Bureau of Land Management Museum Collections: Select Status Report

Archaeological Curation-Needs Assessment
Technical Report No. 12

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In July 1994, the United States Department of the Interior, Bureau of Land Management (BLM) and the U.S. Army Corps of Engineers, St. Louis District, entered into Interagency Agreement No. 1422P852-A4-0015 for the purpose of identifying and locating collections from BLM-administered lands made under the provisions of the Antiquities Act of 1906 (P.L. 59-206) and the Archaeological Resources Protection Act (P.L. 96-95). This task was undertaken to assist BLM in compliance with provisions of the Native American Graves Protection and Repatriation Act (NAGPRA; P.L. 101-601, 36 CFR Part 79 (Curation of Federally-Owned and Administered Archeological Collections), and Department Manual 411 (Policies and Standards for Managing Museum Collections). During Stage One, St. Louis District personnel contacted curation facilities in the eastern United States to identify and locate collections affected by NAGPRA. During Stage Two, NAGPRA inventories were conducted at the American Museum of Natural History (AMNH; New York, New York) and the Haffenreffer Museum of Anthropology (Bristol, Rhode Island). Stage One findings include the locations of the collections, researchers producing the collection, a summary of the collection history, and the individuals contacted at each facility. Stage Two findings include the NAGPRA inventories of skeletal remains and the associated and unassociated funerary objects at the AMNH and the Haffenreffer Museum.

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Christopher B. Pulliam
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Executive Summary

Problem

In July 1994, the Bureau of Land Management (BLM) of the U.S. Department of the Interior (DOI), and the U.S. Army Corps of Engineers, St. Louis District, entered into Interagency Agreement No. 1422P852-A4-0015 for the purpose of locating collections produced under the provisions of the Antiquities Act of 1906 (P.L. 59-206) and the Archaeological Resources Protection Act (ARPA; P.L. 96-95). This task was undertaken to assist the BLM in complying with the provisions of the Native American Graves Protection Act of November 16, 1990 (NAGPRA; P.L. 101-601), 36 CFR Part 79 (Curation of Federally-Owned and Administered Archeological Collections), and Departmental Manual 411 (*Policies and Standards for Managing Museum Collections*).

NAGPRA requires federal agencies and museums receiving federal funds to locate, inventory, and determine the ultimate disposition of "cultural items," that is, Native American human remains, funerary objects, sacred objects, and objects of cultural patrimony under their possession or control. The act also requires consultation with appropriate Native American tribes and Native Alaskan and Native Hawaiian organizations regarding the identification and affiliation of these materials as well as those resulting from subsequent intentional excavations and inadvertent discoveries.

Federal agencies are required under 36 CFR Part 79 to maintain collections and associated documents in repositories capable of providing adequate long-term curatorial services. They are also required to review and evaluate the curatorial services being provided.

Within the DOI, individual bureaus and agencies are further required to comply with the provisions of Departmental Manual 411, which stipulates requirements for the preservation, protection, and documentation of DOI museum collections located in federal, public, or private offices, facilities, or other institutions.

Background

History of Museum Collections in BLM

Congress established the General Land Office (GLO) in 1812 to administer the 1.8-billion-acre public domain. The U.S. Grazing Service and the GLO were merged to become the Bureau of Land Management in 1946. The BLM's mandate under the Federal Land Policy and Management Act of 1976 is to manage public lands for multiple uses, while protecting the long-term health of the land. The BLM currently manages 270 million acres, about one-eighth of the United States' total land surface; significantly, this represents 41 percent of all lands under federal ownership.

Since 1812, individuals and institutions have been conducting scientific investigations on vast acres of public land, excavating and collecting millions of objects. Typically, these objects consist of archaeological, physical anthropological, historical, and paleontological materials. These materials were transported to hundreds of non-federal repositories, including universities, museums, and historical societies over a 185-year time span. It was not until 1906 that legislation was passed to manage and document these collecting activities on federal lands. Under the Antiquities Act, a permitting authority was established to control and document excavations on public lands. However, it was not until the mid-1980s that the BLM was delegated permitting authority.

Little attention was paid to the disposition and care of collections from DOI lands in general, except in agencies like the National Park Service (NPS), whose specific mission included museum property. However, in 1990 an audit by the Office of the Inspector General cited the lack of accountability for office artwork and artifacts as a "material weakness" in DOI. As a consequence, directives were issued placing new obligations on all bureaus of the department to address this issue. Since that time, BLM has been struggling with the overwhelming task of reconstructing events that occurred over almost two centuries, in order to simply identify collections that came from public lands.

Project History

The St. Louis District was asked by the BLM to identify and contact repositories in Alabama, Arkansas, Connecticut, Delaware, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Nebraska, New Hampshire, New Jersey, New York, North Carolina, Ohio, Oklahoma, Pennsylvania, Rhode Island, South Carolina, Tennessee, Texas, Vermont, Virginia, West Virginia, and Wisconsin. The Antiquities Act and ARPA permit applications require the designation of a repository for any collections made. The

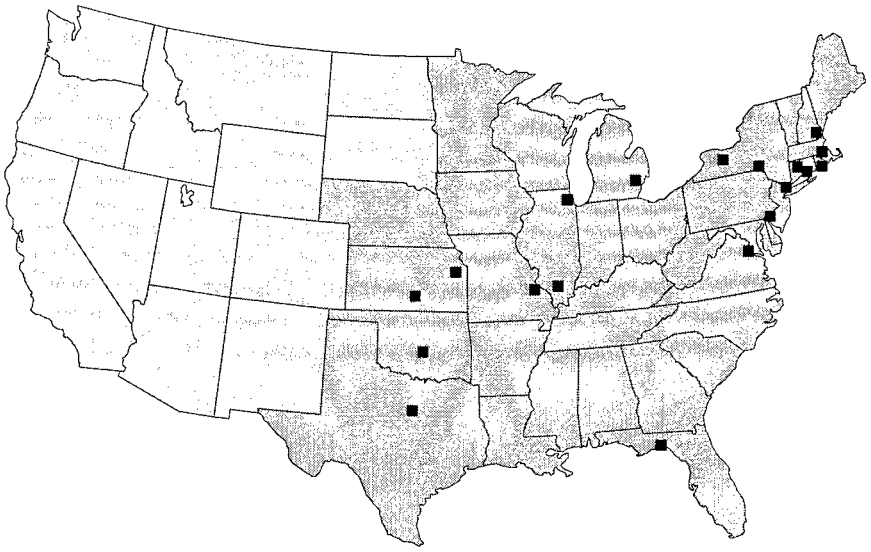

Figure 1. The project area and locations of repositories holding BLM collections.

St. Louis District reviewed Antiquities Act and ARPA permit data in order to identify repositories holding collections of archaeological and other materials from BLM-administered lands. The designated curation facilities were contacted to determine the status of the collections they hold (Figure 1).

The project was divided into two stages. Stage One focused on locating collections. The designated curation facilities for each permit was contacted for information about the collections. Because of the importance of proceeding with NAGPRA inventories, Stage One ended in December 1995.

Stage Two was devoted to the completion of NAGPRA inventories at facilities with collections containing human skeletal remains. Of 10 curation facilities identified as possessing NAGPRA materials from BLM lands, six had already taken steps toward compliance with NAGPRA. Of the remaining four facilities, one held a single long-bone fragment, one did not respond, and two held collections containing large numbers of human skeletal remains and associated artifacts. Stage Two focused on the completion of inventories at the latter two facilities.

Findings

Stage One

Upon completion of Stage One, the status of 134 permits and collections had been determined, and 38 permits were still under

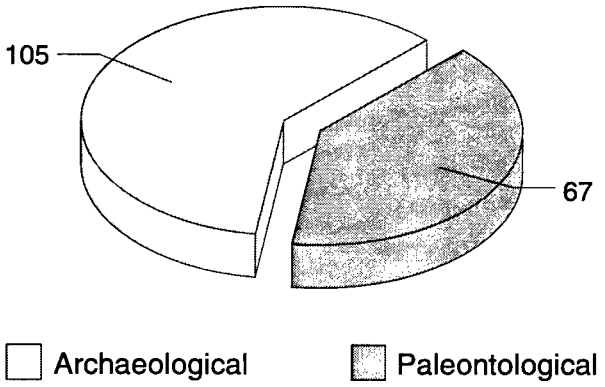

Figure 2. Permit types.

investigation. Archaeological projects were represented by 105 permits, whereas 67 permits were issued for paleontological or geological projects. These archaeological and paleontological permits were issued for projects in 17 states. Most of the archaeological permits were issued for work in Alaska and New Mexico; Wyoming was the state of origin for the most paleontological permits (Figure 2).

Seventy of the identified permits produced collections that are curated at the designated curation facility. Seventeen of the collections had already been transferred to another institution. No collections were associated with 15 permits. Twenty-four permits and collections were untraceable. Finally, 8 permits from Utah and New Mexico were referred to BLM representatives in those states for monitoring and compliance (Figure 3).

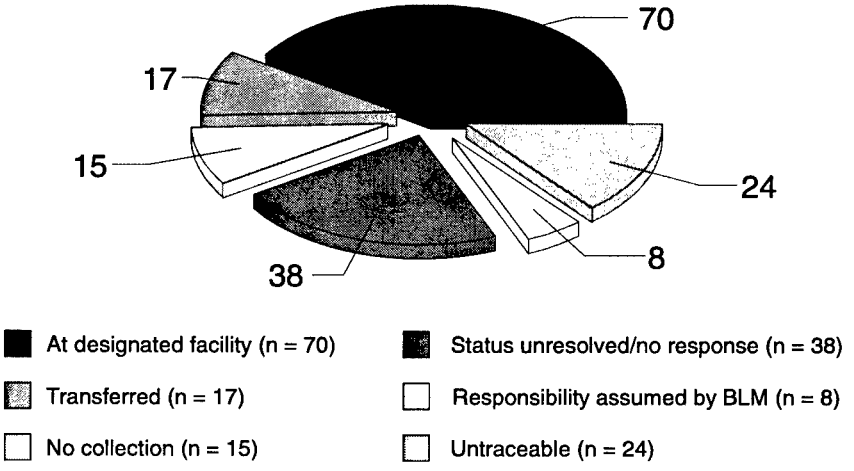

Figure 3. Permit/collection status.

Databases accessed:	BLM permits database (BLMdb) Integrated Permits System database (IPS) National Archaeological Database (NADB)
Permit files reviewed:	5753 files in BLMdb and IPS 1444 files identified as BLM permits 169 permit/collections in project area
Points of contact:	67 institutions 134 individuals > 1200 phone calls, faxes, letters, and email

Figure 4. Summary of project results.

Stage Two

The project findings indicated that 10 curation facilities possessed collections that contained human skeletal remains from BLM-administered lands. Six of these designated curation facilities had already taken steps to comply with NAGPRA. Stage Two of the project focused on the inventory of collections at the Haffenreffer Museum of Anthropology (Haffenreffer), Bristol, Rhode Island, and the American Museum of Natural History (AMNH), New York, New York. The human skeletal remains and funerary objects at these facilities were inventoried for the purpose of compliance with NAGPRA. The human skeletal remains of 696 individuals and 1,462 funerary objects are curated at the AMNH. The Haffenreffer holds the human skeletal remains of 54 individuals, as well as 519 funerary objects. The remaining collections consist of a single long-bone fragment at Wichita State University and a 1921 collection from Colorado at the AMNH. (*Editor's note:* The AMNH has since inventoried the 1921 collection.) A summary of the project results is shown in Figure 4.

Issues and Recommendations

At present, the curation of collections from BLM-administered lands varies by state and institution. Collections are currently housed in a variety of institutions, primarily educational. Considering the issues facing BLM, that is, a complicated 185-year history, an agency mission which in no specific way addresses museum property management, extensive changes in the permitting process over time, the constant changes in public land status, the peculiar nature of agency-museum relationships, and an immense obligation coupled with historically low funding, the BLM is endeavoring to make progress where opportunities and resources exist.

To address these issues, the limited funding in BLM for curation and collections-management programs could be expanded through creative low-cost or no-cost solutions. Examples would be the adaptation of

existing materials and an emphasis on cost-effective, goal-oriented partnerships with state and federal agencies, universities, and museums that support agency priorities. Opportunities for reaching agency goals could also be expanded and enhanced through the use of interns and volunteers. However, it should be noted that while these approaches will aid the agency in reaching compliance, without sizable increases in funding the task will be a long process requiring decades to complete.

Specific issues raised by the project include completion of the inventories for NAGPRA compliance at the AMNH and Wichita State University and the issue of compliance with federal curation standards, particularly 36 CFR Part 79.

1

Introduction

In July 1994, the U.S. Department of the Interior (DOI), Bureau of Land Management (BLM), and the U.S. Army Corps of Engineers, St. Louis District, entered into Interagency Agreement No. 1422P852-A4-0015 for the purpose of tracking collections produced under the provisions of the Antiquities Act of 1906 (P.L. 59-206) and the Archaeological Resources Protection Act (ARPA; P.L. 96-95). The Interagency Agreement was developed to assist the BLM in meeting its obligations under the Native American Graves Protection and Repatriation Act of November 16, 1990 (NAGPRA; P.L. 101-601), 36 CFR Part 79 (Curation of Federally-Owned and Administered Archeological Collections), and Departmental Manual 411 (*Policies and Standards for Managing Museum Collections*).

According to the agreement, the St. Louis District was to identify repositories holding collections of archaeological and other materials that originated from BLM-administered lands. For Stage One, the St. Louis District was asked to identify and contact repositories in Alabama, Arkansas, Connecticut, Delaware, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Nebraska, New Hampshire, New Jersey, New York, North Carolina, Ohio, Oklahoma, Pennsylvania, Rhode Island, South Carolina, Tennessee, Texas, Vermont, Virginia, West Virginia, and Wisconsin. Stage Two of the project was devoted to conducting inventories of NAGPRA materials at two institutions: the AMNH and the Haffenreffer.

Stage One of the project focused on locating collections curated in the states listed above. The Antiquities Act and ARPA permit applications require the designation of a repository to receive any collections made; databases of these permits were reviewed, and the designated curation facilities were contacted to determine the status of the collections. Initially, only archaeological collections were investigated. In July 1995, however, geological and paleontological permits were added to the project at the request of the BLM. Tracking collections and obtaining responses from curation facilities proved more time consuming than was initially anticipated; therefore, Stage One was terminated in December 1995 and a summary report of project findings was submitted to the Office of the National Curator. At that time, all information regarding paleontological permits was turned over to the BLM, with no further action by the St. Louis District.

Those collections containing human skeletal remains were identified during Stage One. Stage Two focused on the completion of inventories for NAGPRA compliance. Of the 10 curation facilities holding collections containing human skeletal remains, two facilities, the Haffenreffer and the AMNH, were visited to conduct inventories of human skeletal remains and funerary objects to comply with NAGPRA provisions. The two aforementioned facilities were selected because the other curation facilities had already undertaken steps to comply with the provisions of NAGPRA.

The report is organized as follows. Following this introductory chapter, Chapter 2 provides a description of the methods used in the project. Chapter 3 summarizes the results of the Stage One permit inquiries. The Stage Two NAGPRA

results are summarized in Chapter 4. Chapter 5 discusses issues and recommendations. Appendix 1 is a copy of NAGPRA. Appendix 2 is a list of individuals contacted during the project. Appendix 3 contains the permit data organized by designated curation facility. Appendix 4 is the inventory of NAGPRA materials from Point Hope, Alaska, at the AMNH. Appendix 5 is the inventory of NAGPRA materials at the Haffenreffer. Appendix 6 is the bibliography of research that produced the collections at the AMNH and the Haffenreffer, and Appendix 7 contains a summary of the findings for paleontological and geological permits investigated during Stage One. Finally, Appendix 8 contains copies of the forms used to collect data for the project.

2

Methods

The methods used varied by task. Stage One focused on the identification and location of collections; the methods developed focused on the information available, its use to locate collections, and the information required to address future issues. Stage Two required a different data-collection process to obtain the information necessary to comply with the provisions of NAGPRA.

Stage One Methods

The initial phases of Stage One were devoted to database development. Permit data were supplied to the St. Louis District by the BLM in two formats, the database (BLM-DB) developed by the BLM and the Integrated Permit System database (IPS) developed by the NPS. The first step in developing a project database required the identification of permits for which the BLM was the designated land manager. This list of permits was then reviewed to identify those permits for which the designated curation facility was located in one of the states in the project area. Each of the primary databases was then converted to a Paradox database. Discrepancies in database structures (e.g., field names, number of fields) were then resolved to combine the data into one database. Some permits were recorded in both primary databases, and the information sometimes varied in the quantity of detail; the project database was edited to remove redundant entries and to maximize the information available. Also, prior to consulting each repository, the National Archeological Database (NADB) was accessed to identify any publications that might have resulted from projects conducted under a permit.

During the second phase of database development, a directory of potential contacts at each repository was created. The Office of the National Curator, BLM, supplied a list of NAGPRA coordinators and contacts for some repositories. Additional telephone numbers were obtained by consulting the American Anthropological Association's guide and the membership list of the Society of Professional Archaeologists.

After the databases were developed, each repository was contacted to determine if a collection had been made under the permit and, if so, the current status of the collection. When available, a list of accession and catalog numbers and an inventory were obtained. In those cases where the repository could not identify the collection, an attempt was made to contact the principal investigator or project director to determine the current location of the collection or to obtain information sufficient to aid the repository in identifying the collection. In many cases, this resulted in contacting additional individuals and institutions. Each telephone call, with some exceptions, was recorded in a communications log. Those telephone calls not logged included some messages left with secretaries, calls that went unanswered, calls to directory assistance, calls to university operators, and calls resulting in busy signals. In addition to telephone calls, faxes, email, and letters were recorded in the communications log.

As information on each permit was collected, the current project status was recorded in a running log. The information was then summarized in interim reports to the BLM's Office of the National Curator. This report presents information

on the archaeological-permit collections. The information on paleontological and geological permits was submitted to the BLM in a draft report at the completion of Stage One, with no further action to be taken by this office (see Appendix 7 for a summary of findings for paleontological and geological permits). The archaeological permits are grouped by state of origin (see Chapter 3, Permit Research Findings), and the repositories are grouped by state (see Appendix 3, Collections Summary by Curation Facility).

Stage Two Methods

After identification of collections containing human skeletal remains, inventories were conducted at two facilities, the AMNH and the Haffenreffer. The inventories of human skeletal remains were conducted using a standardized format developed by St. Louis District personnel (see Data-Collection Forms, Appendix 8). The inventory recorded the presence or absence of major bones and their degree of completeness. Elements at least 95 percent complete were recorded as complete, with the remainder being recorded as incomplete. Age and sex were determined, when feasible, based on morphological features of the human skeletal remains. Individuals were classified as infant (0–3 years), subadult (3–18 years), or adult (18-plus years). Typically, these judgments were based on such factors as fusion of epiphyseal joints, degenerative changes, and dental development or attrition. Determination of sex was based on such features as the shape of the pelvis, the development of muscle attachments, and skeletal features that typically display sexual dimorphism. After completion of the inventories, they were entered in a Paradox database. Artifact inventories also were recorded in a database. The information collected regarding artifacts consisted of accession and catalog numbers, burial association, and descriptive features. In some cases, the description provided in the catalog was used, whereas in other cases, the investigator described the artifact. The inventories of human skeletal remains and artifacts were converted to WordPerfect format for editing and inclusion in this report.

3

Permit Research Findings

Review of the 5,753 permit entries in the databases led to identification of 1,444 Antiquities Act permits that were issued for projects on BLM-administered lands. Of these permit entries, 169 designated a curation facility that was located in one of the project states. With the inclusion of permit and collection information supplied by Frank Wozniak, NAGPRA coordinator for the New Mexico BLM, archaeological projects were represented by 105 permits; 67 permits were issued for paleontological or geological projects reported at the close of Stage One (see Appendix 7 for a summary of paleontological and geological permits). The permits were issued for projects in 17 states. Most of the archaeological permits were issued for work in Alaska and New Mexico; Wyoming was the state of origin for the greatest quantity of paleontological permits.

Sixty-seven repositories in 18 states were contacted regarding collections made on BLM-administered lands. Of these repositories, 42 were identified as curation facilities holding archaeological collections, 21 as holding paleontological or geological collections, and 4 as holding both types of collections.

Seventy of the permits identified produced collections that are curated at the designated curation facility. Of these collections, 38 are archaeological and 31 are paleontological or geological. It should be noted that this category includes 2 collections of which only part is curated at the designated curation facility and 4 collections that were being prepared for transfer to another institution.

Seventeen of the collections had already been transferred to another institution. This category includes 14 archaeological collections and three paleontological collections. In one case, the collection was being prepared for transfer to a third curation facility. This category also includes collections that have not been formally accessioned at any curation facility and remain in the possession of individual researchers. Typically, as these researchers changed jobs, they took the collections with them.

There were 15 permits that produced no collections. In some cases, no work was actually performed; in others, the project did not produce a collection. Twelve of these permits were for archaeological projects, whereas three were for paleontological or geological projects.

Some permits and collections were not traceable. In such cases, no collection matching the permit description was curated at the designated curation facility, attempts to locate the principal investigator or project director failed, and the NADB literature search did not produce any leads. Archaeological permits accounted for 23 of these untraceable collections; one was of a paleontological-geological nature.

Thirty-eight permits were still under investigation at the close of Stage One. In the case of the 29 paleontological permits in this category, the repositories had been contacted, but had not yet responded. Because the responsibility for completion of these inquiries was returned to the BLM, no further efforts were made to contact the curation facilities. The 9 archaeological permits that were unresolved all designated the Smithsonian Institution as the curation facility. That facility did not respond to requests for information. Finally, 8 permits from Utah and New Mexico were referred to BLM representatives in those states for monitoring and compliance.

The results of the permit inquiries are organized by state of origin—that is, the permits are listed under the state in which the activity occurred. Within each state, the permits are organized chronologically. Original numbers represent the permit's original designation in the IPS database. Listed under each permit are the designated curation facility, the status of the collection, whether the collection contains items subject to NAGPRA, references from NADB related to the permitted activity, and a brief description of the permitted activity. A summary of the inquiries, organized by curation facility, including points of contact, is included in Appendix 3.

Alaska

Permit Issued June 11, 1931

Designated Curation Facility

Peabody Museum of Natural History, Yale University, New Haven, Connecticut

Status of Collection

The collection, consisting of approximately 100 objects, is curated at the facility under Accession No. 4352. The catalog numbers are 15830–15927, PA04620, and PA04621. The collection includes historical-period basketry, metal, textiles, leather, glass, and wooden objects, and prehistoric lithics. Also included in the collection are the human skeletal remains of two or more individuals. The human skeletal remains have not been inventoried or analyzed. The cultural affiliation of the objects in the collection, based on the catalog descriptions, is Eskimo and Athapaskan. Only administrative records are available for the collection. The only inventory available is the catalog entries, which were not supplied. Richard Burger, the point of contact at the facility, noted that, according to accession records, the objects in this collection are primarily ethnographic and were purchased by Cornelius Osgood. He suggested contacting the AMNH for further information on excavated archaeological materials; however, according to Martha Graham, there are no excavated materials from this permit at the AMNH.

NAGPRA Items

As stated above, the collection contains the human skeletal remains of two or more individuals. The curation facility has assumed responsibility for compliance with NAGPRA and has taken steps toward compliance.

NADB References

Although Osgood, the project director, is cited numerous times in the database, the exact references that might relate to his activities in 1931 are not clear. Burger, however, supplied the following reference.

Osgood, Cornelius
1937 The Ethnography of the Tanaina. *Yale University Publications in Anthropology* No. 16. Yale University, New Haven, Connecticut.

Summary

This permit was issued to Clark Wissler, principal investigator, and Cornelius Osgood, project director, for collections, excavations, and studies around Cook's Inlet, Alaska. The project was sponsored by the AMNH.

Permit Issued May 25, 1932 (Renewed June 7, 1934)

Designated Curation Facility

Peabody Museum of Natural History, Yale University, New Haven, Connecticut

Status of Collection

The collection recovered in 1932 is curated at the facility under Accession No. 4494. The catalog numbers are 20219–20227 and 21393. The collection consists of only nine artifacts, which Richard Burger notes were not excavated; they were purchased from "Ft. Yukon Kutchin," who had found the artifacts. The collection consists of prehistoric lithics and historical-period glass, textiles, and leather objects. The cultural affiliation of the objects, attributed by Cornelius Osgood, is Kutchin. The collection contains no items relevant to NAGPRA. Only administrative records are associated with the collection. The

Table 1.
AMNH Point Hope Collections from Permit Issued July 9, 1940, Renewed April 11, 1941

Site Name	Accession Number	Catalog Number
Point Hope, Tigara	1940-85	60.1/7221–8328; 99.1/160–685
Point Hope, Tigara	1941-49	60.1/8356–8415; 60.1/8417–8501; 60.1/8833–8953; 99.1/59–113
Point Hope, Tigara	1945-58	60.2/2280–4836
St. Lawrence Island, Kukulik	1942-9	60.1/8502–8763
St. Lawrence Island, Kukulik	1945-57	60.1/9661–9865

collection recovered under the renewed permit in 1934 is curated under Accession No. 4815 and Catalog Nos. 25403–25444 and 30271. The collection consists of 43 historical-period objects. Items include basketry, lithics, textiles, faunal remains, and objects made of metal, leather, and wood. The cultural affiliation attributed to the objects is Ingalik.

NAGPRA Status

The collections contain no human skeletal remains or other items subject to NAGPRA.

NADB References

Although Cornelius Osgood, project director, is cited numerous times in the database, the exact references that might relate to this permit are not clear. However, Burger supplied the following citations. The first is for the 1932 collection, and the second is for the 1934 collection.

Osgood, Cornelius
1936 Contributions to the Ethnography of the Kutchin. *Yale University Publications in Anthropology* No. 14. Yale University, New Haven, Connecticut.

1940 Ingalik Material Culture. *Yale University Publications in Anthropology* No. 22. Yale University, New Haven, Connecticut.

Summary

This permit was issued to Cornelius Osgood, principal investigator, for excavations between the villages of Holy Cross and Tanana along the Yukon River in Alaska.

Permit Issued July 9, 1940 (Renewed April 11, 1941)

Designated Curation Facility

American Museum of Natural History, New York

Status of Collection

The collection is currently housed at the AMNH. Five accessions are noted, with dates of 1940, 1941, 1942, and 1945. The investigators presumably continued their work on the renewed permit in 1942 and 1945. Accession numbers, catalog numbers, and site names are given in Table 1. Note that the catalog number prefixes 60.1 and 99.1 refer to the types of materials. Catalog numbers with the prefix 60.1 consist of archaeological materials (stone, ceramics, and faunal material); those with the prefix 99.1 consist of human skeletal remains. Note also that a single catalog number may represent more than one object or individual.

Documentation associated with the collection includes photographs, field notes, excavation records, provenience catalogs, and administrative records. The inventory of human skeletal remains and associated and unassociated funerary objects is in Appendix 4. Note that, although obtained under the permit issued by the BLM, the material recovered from St. Lawrence Island did not come from BLM-administered lands. The curation facility has evaluated the collection for NAGPRA compliance.

NAGPRA Items

This collection contains numerous human skeletal remains and associated funerary objects subject to NAGPRA. The inventory of these remains and objects is provided in Appendix 4.

NADB References

The database contains five references by Helge Larsen that may relate to the 1940–1941 permit area; however, only three references can be specifically associated with the work performed under permit.

Larsen, Helge

1940 Point Hope Expedition. *American Scandinavia Review* 28(3):210–222.

1945 *A Report on the Archaeological Excavations in the Aleutian Islands, under a Grant Permitted by the U.S. Department of Interior.* Submitted to the American Museum of Natural History, New York.

Larsen, Helge, and Froelich Rainey

1948 Ipiutak and the Arctic Whale Hunting Culture. *Anthropological Papers of the American Museum of Natural History* No. 42. American Museum of Natural History, New York.

Summary

This permit was issued to Charles Bunnell, principal investigator, and Froelich Rainey and Helge Larsen, project directors, for work at Kukulik, St. Lawrence Island, and Point Hope, Tigara, Alaska. The permit file notes that work at the Point Hope Ipiutak site included the excavation of a "burial w/ grave goods." The permit file also states that the 1941 collections consisted of "500 skeletons [at the] American Museum of Natural History; 5,000–6,000 artifacts [at the] U of AK Museum." The University of Alaska Museum was contacted to determine the accuracy of this information, but did not respond to our inquiries; however, it was learned that the University of Alaska Museum does have artifacts collected under this permit. There are also alleged to be artifacts from this collection at the Danish National Museum, Copenhagen. Attempts to determine the extent of the collection in the latter's possession were not concluded prior to completion of the project.

Permit Covering 1948–1951

Designated Curation Facility

Field Museum of Natural History, Chicago, Illinois

Status of Collection

Janice Klein, registrar, stated that no collections made by Theodore P. Bank II are curated at the Field Museum; these collections are part of the Bank Collection at the University of Alaska Museum, Fairbanks (see also summary for Western Michigan University). According to Michael Lewis, collections manager, the collection is held in trust for the Aleut Native Corporation. Lewis stated that the collection is very large and has not been inventoried. The permit database states that the collection contains human skeletal remains. The status of non-NAGPRA items, which remain U.S. government property, has not been addressed.

NAGPRA Items

According to Mr. Lewis, the Bank Collection contains materials and human skeletal remains subject to the provisions of NAGPRA. Because of the agreement with the Aleut Native Corporation, however, the materials have been, in effect, repatriated. The question remains whether the reporting and inventory provisions of NAGPRA apply to competing claims from other parties.

NADB References

Theodore P. Bank II, principal investigator for the projects covered by the permit for 1948–1951, is extensively cited for work in the Aleutians and, in particular, for the University of Michigan expeditions to the Aleutians during the period covered by this permit.

Bank, Theodore P. II

1950 The Phytoecological Recognition of Aleutian Archeological Sites. In *The University of Michigan Expedition to the Aleutian Islands, 1948–1949*, edited by Theodore P. Bank II, Albert C. Spaulding, H. A. Miller, and Janet F. Bank, pp. 93–108. Botanical Gardens, Ann Arbor.

1950 Burial Cave Studies, 1948–49. In *The University of Michigan Expedition to the Aleutian Islands, 1948–1949*, edited by Theodore P. Bank II, Albert C. Spaulding, H. A. Miller, and Janet F. Bank, pp. 145–173. Botanical Gardens, Ann Arbor.

1952 A Preliminary Account of the University of Michigan Aleutian Expeditions, 1950–51. *ASA Gray Bulletin* 1(3):75–88.

1952 Scientific Field Work in the Aleutians. *Gamma Alpha Bulletin* 42(4):73–73 [*sic*].

1952 University of Michigan Expeditions to the Aleutian Islands. *Arctic* 5(1):60–60 [*sic*].

1953 Biological Succession in the Aleutians. *Pacific Science* 7(4):493–503.

1953 Botanical and Ethnobotanical Studies in the Aleutian Islands. *Papers of the Michigan Academy of Science, Arts, and Letters* 38:415–436.

1953 Cultural Succession in the Aleutians. *American Antiquity* 19:40–49.

1953 Ecology of Prehistoric Aleutian Village Sites. *Ecology* 34(2):246–264.

1955 Archaeology at Unalaska, Aleutians. *Field Reports* No. 1. Institute for Regional Exploration, Ann Arbor, Michigan.

Bank, Theodore P. II, and Albert G. Spaulding
1950 Archeology: Past Observations in the Aleutians. In *The University of Michigan Expedition to the Aleutian Islands, 1948–1949*, edited by Theodore P. Bank II, Albert C. Spaulding, H. A. Miller, and Janet F. Bank, pp. 143–144. Botanical Gardens, Ann Arbor.

Bank, Theodore P. II, Albert C. Spaulding, H. A. Miller, and Janet F. Bank
1950 *The University of Michigan Expedition to the Aleutian Islands, 1948–49: Preliminary Report*. University of Michigan. Submitted to the Office of Naval Research, U.S. Department of the Navy.

1950 *The University of Michigan Expedition to the Aleutian Islands, 1948–1949*. Botanical Gardens, Ann Arbor.

Summary

This permit was issued to Theodore P. Bank II for collections, excavations, and surveys between 1948 and 1951 in Alaska. The permit lists the University of Michigan as the sponsoring institution. The locational description includes the Aleutian Islands of Umnak, Agattu, Atka, Shema, Adak, Nikolski, Kagamil, Amaknak, Tanaga, and Unalaska; Kodiak Island and Eider Point are also listed.

Permit Issued May 19, 1960

Designated Curation Facilities

Smithsonian Institution, Washington, D.C.; University of Alaska Museum, Fairbanks

Status of Collection

The status of this collection is unknown (see comments regarding the Smithsonian in Appendix 3).

NAGPRA Status

The NAGPRA status of this collection is unknown; however, articles on the analysis of human skeletal remains from Port Moller, Alaska, have been published, and the permit database indicates that human skeletal remains were recovered.

NADB References

Although the database contains references to work done at Port Moller in 1972 and 1974, there are no citations for work conducted under this permit.

Summary

This permit was issued to C. S. Chard and H. Befu, principal investigators, and Alan Coogan, project director, for work in Alaska. According to the permit database, the Hot Springs site at Port Moller, Alaska, was the location of the excavations. The permit database also notes that the collection contains human skeletal remains and artifacts. The University of Alaska, Fairbanks, is designated as a cocuration facility, but did not respond to our inquiries regarding this collection.

Permit Issued May 1961

Designated Curation Facilities

Smithsonian Institution, Washington, D.C.; University of Alaska Museum, Fairbanks

Status of Collection

The status of this collection is unknown; see Appendix 3, regarding the Smithsonian. No response regarding the collection was received from either curation facility.

NAGPRA Status

The NAGPRA status of this collection is unknown.

NADB References

The database contains the following citation, which may be pertinent to the permit.

Irving, William N.
1962 1961 Field Work in the Western Brooks Range, Alaska: A Preliminary Report. *Arctic Anthropology* 1(1):76–83.

Summary

The permit was issued to C. S. Chard, principal investigator, and William N. Irving, project director, for work in Alaska. The locations given in the permit database are Howard Pass, Brooks Range, Itivilik Lake, Flora Creek, and Nigu River.

Permit Issued August 14, 1962

Designated Curation Facility

Dartmouth College, Hanover, New Hampshire

Status of Collection

Six ethnographic items collected as a result of permitted activity are curated at the Hood Museum of Art, Dartmouth College, under the accession numbers listed in Table 2.

The archaeological artifacts recovered at Healy Lake (see permit issued May 26, 1967) are believed to be at the Canadian Museum of Civilization, Ottawa.

Table 2.
Ethnographic Artifacts Curated at the Hood Museum of Art, Dartmouth College, from Permit Issued August 14, 1962

Accession Number	Artifact
166.45.16176	double-headed war pick or adze
166.45.16177	skin scraper
166.45.16178	net stretcher-sinker, bone
166.45.16179	net stretcher-sinker, bone
166.45.16180	artifact with flattened tip, bone
166.45.16181	rope, 4-strand, leather

NAGPRA Status

The collection reportedly contains no human skeletal remains or other items subject to NAGPRA.

NADB References

See the NADB references for the Alaskan permit issued May 26, 1967, for a complete bibliography regarding Healy Lake archaeology.

Summary

According to a memorandum dated July 5, 1963, from Robert A. McKennan to Albert C. Spaulding at the National Science Foundation, which funded the project, an archaeological reconnaissance along the Tanana River was secondary to the principal goal of defining ethnic divisions among Athapaskan Indians. In reviewing the results of his fieldwork, McKennan notes "a small but significant collection from Healy Lake." None of these archaeological materials, however, is curated at Dartmouth College. Philip Cronenwett, chief of special collections, Dartmouth College library, states in his cover letter that rumor suggests that McKennan returned many of the artifacts to Alaska.

Regarding the ethnographic materials at the Hood Museum, McKennan's memorandum notes the expenditure of $25 to purchase ethnographic materials from Minchumina John's cabin. Hood Museum catalogs contain six items, listed above, from the abandoned cabin of "Roosevelt John" of the Minchumina band of Athapaskans.

Permit Issued March 30, 1963

Designated Curation Facility

Haffenreffer Museum of Anthropology, Bristol, Rhode Island

Status of Collection

The collection is curated at the designated curation facility, the Haffenreffer, which is a unit in the Office of the Provost, Brown University, Providence, Rhode Island.

NAGPRA Status

See Appendix 5 for the Section 5 inventory of human skeletal remains at the Haffenreffer.

NADB References

The work by J. L. Giddings and Douglas Anderson in the Kobuk River region and at Cape Krusenstern, under multiple permits, has resulted in numerous publications and papers. These publications and papers are provided in the bibliography included with the Section 5 inventory (Appendix 6).

Summary

This permit was issued to J. L. Giddings for research in the Kobuk River region of Alaska.

Permit Issued March 26, 1964

Designated Curation Facilities

University of Wisconsin, Madison; University of Alaska, Fairbanks

Status of Collection

The status of this collection is unknown. Joan Townsend stated that there had been problems during the survey and, to the best of her knowledge, no materials had been collected. If a collection was made, it is probably at the University of Alaska Museum, Fairbanks; however, no response regarding this collection was received from that institution.

NADB References

Review of the database indicates that Chester S. Chard, principal investigator for the 1964 permit, has 19 citations, none of which appear related to the permit. Sam-Joe Townsend, project director, is not cited.

Summary

This permit was issued to Chester S. Chard, principal investigator, and Sam-Joe Townsend, project director, to make collections and survey around Iliamna Lake, the Kvichak River drainage, and the Iguigig region.

Permit Issued April 20, 1964

Designated Curation Facility

Haffenreffer Museum of Anthropology, Bristol, Rhode Island

Status of Collection

The collection is curated at the designated curation facility, the Haffenreffer.

NAGPRA Status

See Appendix 5 for the Section 5 inventory of human skeletal remains curated at the Haffenreffer.

NADB References

The work by J. L. Giddings and Douglas Anderson in the Kobuk River region and at Cape Krusenstern, under multiple permits, has resulted in numerous publications and papers. These publications and papers are listed in the bibliography included with the Section 5 inventory (Appendix 6).

Summary

This permit was issued to J. L. Giddings for research in the Kobuk River region of Alaska. The database entry for this permit and the following permit may refer to the same permit, and the two dates may represent the date of application and the date of issue.

Permit Issued May 26, 1964

Designated Curation Facility

Haffenreffer Museum of Anthropology, Bristol, Rhode Island

Status of Collection

The collection is curated at the designated curation facility, the Haffenreffer.

NAGPRA Status

See Appendix 5 for the Section 5 inventory of human skeletal remains at the Haffenreffer.

NADB References

The work by J. L. Giddings and Douglas Anderson in the Kobuk River region and at Cape Krusenstern, under multiple permits, has resulted in numerous publications and papers. These publications and papers are listed in a bibliography in Appendix 6.

Summary

This permit was issued to J. L. Giddings for research in the Kobuk River region of Alaska. The database entry for this permit and the previous permit may refer to the same permit, and the two dates may represent the date of application and the date of issue.

Permit No. 64-AK-220

Designated Curation Facilities

Peabody Museum of Natural History, Yale University, New Haven, Connecticut; Smithsonian Institution, Washington, D.C.

Status of Collection

The collection is curated at the Peabody under Accession No. 7136 and Catalog Nos. 232601–234167. The 1,568 items cataloged consist of prehistoric lithics, faunal remains, ceramics, wooden artifacts, and pitch. The cultural affiliation is Eskimo. Richard Burger (see curation facility summary) notes that the excavation was that of a domestic structure that was dated to A.D. 1578 on the basis of a single dendrochronology sample. It is unknown if any artifacts are curated at the Smithsonian, which did not respond to our inquiries.

NAGPRA Status

The collection reportedly contains no human skeletal remains or other items subject to NAGPRA.

NADB References

The database contains extensive references to Edwin S. Hall, Jr., project director, pertaining to the general area of the permitted activity.

Hall, Edwin S., Jr.
1965 *Preliminary Report of 1964–65 Field Work.*
1966 An Archaeological and Ethnological Study of the Historic and Late Prehistoric Periods in the Noatak River Region, Northern Alaska. *Arctic Institute of North America Technical Report.* Washington, D.C.

Burger supplied the following citation:

Hall, Edwin S., Jr.
1966 *Kangiguksuk: A Cultural Reconstruction of a 16th Century Eskimo Site in Northern Alaska.* Unpublished Ph.D. dissertation, Department of Anthropology, Yale University, New Haven, Connecticut.

Summary

Permit No. 64-AK-220, which was issued for work in the same area as Permit Nos. 70-AK-029 and 73-AK-053 (see below), was issued to Irving B. Rouse, principal investigator, and Edwin S. Hall, Jr., project director (see also the State University of New York [SUNY], Brockport, and Smithsonian Institution curation facility summaries), for collections, survey, and testing in the Noatak River valley, specifically for lands covered by USGS Howard Pass, Ambler River, Mishoguk Mountains, Baird Mountains, and Noatak quadrangles.

Permit Issued April 28, 1965

Designated Curation Facility

Haffenreffer Museum of Anthropology, Bristol, Rhode Island

Status of Collection

The collection is curated at the designated curation facility, the Haffenreffer.

NAGPRA Status

See Appendix 5 for the Section 5 inventory of human skeletal remains at the Haffenreffer.

NADB References

The work by J. L. Giddings, Froelich Rainey, and Douglas Anderson in the Kobuk River region and at Cape Krusenstern, under multiple permits, has resulted in numerous publications and papers. These publications and papers are included with the Section 5 inventory (Appendix 6).

Summary

This permit was issued to Froelich Rainey and Douglas Anderson for work on the Noatak River; the Baird, De Long, and Misheguk Mountains areas; and the Selawik and Shungnak areas.

Permit Issued April 18, 1967

Designated Curation Facility

Smithsonian Institution, Washington, D.C.

Status of Collection

The collection is currently stored at the Edwin S. Hall, Jr., residence in Brockport, New York. Margaret Blackman and Mary Ann Cady provided a short inventory of artifacts recovered in 1967 at Walker Lake and an article about the survey. The inventory lists 992 flakes and 4 fragments of calcined bone, presumed to be faunal remains. The article, however, states that 35 stone tools or bifaces and approximately 325 flakes were found.

NAGPRA Status

The collection reportedly contains no human skeletal remains or other items subject to NAGPRA.

NADB References

The database contains extensive references to works by Edwin S. Hall, Jr., principal investigator, pertaining to the general area of the permitted activity. The first two references listed below appear to be specifically related to this permit. The third reference was supplied by Blackman and Cady.

Hall, Edwin S., Jr.

1968 *Progress Report on Archaeological Research on Interior Northwest Alaska.*

1968 An Archaeological Survey of Northern Alaska. Paper presented at the 33rd Annual Meeting of the Society for American Archaeology, Santa Fe, New Mexico.

1975 An Archaeological Survey of Interior Northwest Alaska. *Anthropological Papers of the University of Alaska* 17(2):13–30.

Summary

This permit was issued to Colin Bull, principal investigator, and Edwin S. Hall, Jr., project director, for work in Alaska. According to the permit database, the collections and excavations were to take place in the area covered by the Umiat, Ikpikpuk River, Baird Mountains, Point Hope, Survey Pass, Phillip Smith Mountains, Howard Pass, Killik River, De Long Mountains, Misheguk Mountains, Noatak, and Utukok USGS quadrangles. The article provided by Cady (Hall 1975) indicates that surveys and testing occurred at Walker Lake, Misheguk Mountain, Howard Pass, Killik River, Chandler Lake, Ikpikpuk River, and Umiat.

Permit Issued April 21, 1967

Designated Curation Facility

Field Museum of Natural History, Chicago, Illinois

Status of Collection

The artifacts collected under this permit are curated at the Field Museum under Accession No. 3586, Catalog Nos. 270145–270745. Janice Klein, registrar, provided a computer-generated inventory of the artifacts in this collection that was submitted to the BLM upon completion of Stage One. The collection consists of a variety of hunting and fishing tools, sled parts, ceramics, and household items; it does not contain any human skeletal remains.

NAGPRA Status

The collection reportedly contains no human skeletal remains or other items subject to NAGPRA.

NADB References

The following publications and papers by James W. VanStone, principal investigator for this permit and for Permit No. 69-AK-130, reference the Nushagak River, the location of the permitted activity.

VanStone, James W.

1967a Archaeological Excavations on the Nushagak River, Alaska. Manuscript.

1967b *Eskimos of Nushagak River, an Ethnographic History*. University of Washington Press, Seattle, Washington

1968 An Annotated Ethnohistorical Bibliography of the Nushagak River, Alaska. *Fieldiana Anthropology* 54(2):149–189. Field Museum of Natural History, Chicago.

1968 Tikchik Village: A Nineteenth Century Riverine Community in Southwestern Alaska. *Fieldiana Anthropology* 56(3):210–368. Field Museum of Natural History, Chicago.

1969a Archaeological Excavations at the Nushagak Site, Nushagak Bay, Southwestern Alaska. Manuscript.

1969b Changing Settlement Patterns in the Nushagak River Region, Alaska. Paper presented at the 68th Annual Meeting of the American Anthropological Association, New Orleans, Louisiana.

1970 Akulivikchuk: A Nineteenth Century Eskimo Village On the Nushagak River, Alaska. *Fieldiana Anthropology* 60:1–123. Field Museum of Natural History, Chicago.

1971 Historic Settlement Patterns in the Nushagak River Region, Alaska. *Fieldiana Anthropology* 61:1–149. Field Museum of Natural History, Chicago.

1972 Nushagak: An Historic Trading Center in Southwestern Alaska. *Fieldiana Anthropology* 62:1–93. Field Museum of Natural History, Chicago.

In addition, Klein indicated that the following citation was directly derived from the collection.

VanStone, James W.

1970 Akulivikchuk: A Nineteenth Century Eskimo Village on the Nushagak River, Alaska. *Fieldiana Anthropology* 60:1–123. Field Museum of Natural History, Chicago.

Summary

The permit database lists the village of Koliganek as the site of the permitted activity; however, according to information provided by Janice Klein, James W. VanStone excavated at Akulivikchuk, a historical-period Inuit village on the Nushagak River, in 1967.

Permit Issued May 26, 1967

Designated Curation Facility

Dartmouth College, Hanover, New Hampshire

Status of Collection

Although Philip Cronenwett, chief of special collections, Dartmouth College library, states that no artifacts were recovered in 1967, John P. Cook, the project director, states that artifacts recovered in 1967 are curated at the National Museum of Canada, Ottawa. Cook states that these are the first 1,100 catalog numbers of the Healy Lake collection; this has not yet been confirmed. Artifacts recovered during subsequent years, presumably under the same permit, are currently stored in Cook's office in Fairbanks, Alaska.

NAGPRA Status

The collection reportedly contains no human skeletal remains or other items subject to NAGPRA.

NADB References

Robert A. McKennan and John P. Cook are cited numerous times in the database. A bibliography of references that appear related to their work at Healy Lake, the locality cited in the permit, is provided below.

Cook, John P.

1969 *The Early Prehistory of Healy Lake, Alaska.* Unpublished Ph.D. dissertation, Department of Anthropology, University of Wisconsin, Madison.

1972 Microblade Populations from Healy Lake and Dixthada. Paper presented at the International Conference on Prehistory and Paleoecology, Calgary, Alberta, Canada.

1980 Distribution of Cultural Materials at the Village Site, Healy Lake, Alaska. Paper presented at the 7th Annual Meeting of the Alaska Anthropological Association, Anchorage, Alaska.

1981 Abstract: Forty-Mile Prehistory: A Synopsis of Current Information. Paper presented at the 32nd Alaska Science Conference.

1989 Historic Archaeology and Ethnohistory at Healy Lake, Alaska. *Arctic* 42(2):109–118.

Cook, John P., and Robert A. McKennan

1968 The Archaeology of Healy Lake, Alaska. Submitted to the 33rd Annual Meeting of the Society for American Archaeology, Santa Fe, New Mexico.

1970 The Athapaskan Tradition: A View from Healy Lake in the Yukon-Tanana Upland. Paper presented at the 10th Annual Meeting of the Northeastern Anthropological Association, Ottawa, Quebec, Canada.

1970 The Village Site at Healy Lake, Alaska: An Interim Report. Paper presented at the 35th Annual Meeting of the Society for American Archaeology, Mexico City, Mexico.

Cook, John P., E. James Dixon, Jr., and Charles E. Holmes

1968 Archaeology of Healy Lake, Alaska. Paper presented at the 33rd Annual Meeting of the Society for American Archaeology, Santa Fe, New Mexico.

1970 The Village Site at Healy Lake, Alaska: An Interim Report. Paper presented at the 35th Annual Meeting of the Society for American Archaeology, Mexico City, Mexico.

1971 The Athapaskan Tradition: A View from Healy Lake. Paper presented at the Athapaskan Conference. National Museums of Canada, Ottawa, Quebec, Canada.

1971 A Culture History of the Central Tanana River Valley. Paper presented at the 36th Annual Meeting of the Society for American Archaeology, Norman, Oklahoma.

McKennan, Robert A., and John P. Cook

1970 Prehistory of Healy Lake, Alaska. Paper presented at the Eighth Annual Meeting of the International Congress of Anthropological and Ethnological Sciences, Tokyo and Kyoto, Japan.

Summary

This permit was issued to Robert A. McKennan, principal investigator, and John P. Cook, project director. The locational description is the Forty-mile River and Healy River drainage basins. Cook, however, stated that the work took place at Healy Lake.

Permit Issued May 22, 1968

Designated Curation Facility

University of Wisconsin, Madison

Status of Collection

Materials collected under this permit are curated at the Canadian Museum of Civilization, Ottawa, under Accession No. 1696 (except for faunal remains, Accession No. 1911). The collection consists of artifacts from 11 sites in two localities: the Koyukuk drainage (Table 3) and Norutak Lake (Table 4). Archaeological materials in the collection are from prehistoric and historical-period contexts. Prehistoric material classes consist of stone tools, debitage and ceramics, whereas historical-period material classes are metal, stone, worked and unworked faunal remains (Table 5), and glass beads. No human

Table 3.
Sites in the Koyukuk Drainage
(Accession No. 1696)

Site Name	ASC Number (Alaska Heritage No.)	Catalog Entries (n)
Lake Creek	ScIc-1 (BET 030)	62
Kayak	SdIb-1 (BET 031)	56
Okak	SdIb-2 (BET 032)	31

Table 4.
Sites at Norutak Lake
(Accession No. 1696)

Site Name	ASC Number	Catalog Entries (n)
Norutak 1	SeIh-1	19
Norutak 2	SeIh-2	6
Norutak 3	SeIh-3	2
Norutak 4	SeIg-4	415
Norutak 5	SeIh-4	21
Norutak 6	SeIg-1	12
Norutak 7	SeIg-2	35
Norutak 8	SeIg-3	1

Table 5.
Faunal Remains
(Accession No. 1911)

Site Name	ASC Number	Catalog Number
Kayak	SdIb-1	57-96
Lake Creek	ScIc-1	63-147

skeletal remains have been accessioned into the collection. Cultural affiliation of the materials is given as "Ancestral Eskimo and Ancestral Athapaskan," and is based on the current inhabitants of the area. Associated documentation includes an inventory, photographs, and excavation records.

NAGPRA Status

The collection contains no human skeletal remains or other items subject to NAGPRA.

NADB References

Donald W. Clark, principal investigator for the 1968 permit, issued a report of his activities to the Canadian Museum of Civilization.

Clark, Donald W.
1974 Archaeological Collections from Norutak Lake on the Kobuk-Alatna River Portage, Northwestern Alaska. *Canadian Museum of Civilization Mercury Series, Archaeological Survey of Canada Paper* No. 18. Ottawa, Ontario.

In addition, Clark supplied the following reference for the Lake Creek, Kayak, and Okak sites.

Clark, A. McFadyen, and Donald W. Clark
1974 Koyukon Athapaskan Houses as Seen through Oral Tradition and through Archaeology. *Arctic Anthropology* (XI Supplement):29.

Summary

This permit was issued to William Irving, principal investigator, and Donald W. Clark, project director, for collections in the Middle and Upper Koyukuk River region of Alaska.

Permit Issued June 18, 1969

Designated Curation Facility

Western Michigan University, Kalamazoo

Status of Collection

The status of this collection is unknown. The collection is possibly part of the Bank Collection at the University of Alaska Museum; however, since the contents of the Bank Collection are unknown, it is possible that this project is not part of the larger collection. Lewis stated that the Bank Collection is very large and certainly contains human skeletal remains and associated and unassociated funerary objects. The collection is held in trust for the Aleut Native Corporation (see summary for University of Michigan, Ann Arbor). It is likely that the collection was in Bank's possession at the time of his death. If so, then it would be in the possession of the executor of his estate.

NAGPRA Status

The NAGPRA status of this collection is unknown.

NADB References

Theodore P. Bank II and Robert Maher are cited numerous times in the database. No citation, however, could be specifically linked to this permit.

Summary

This permit was issued to Robert Maher, principal investigator, and Theodore P. Bank II, project director, for work on Unalaska Island—at Tree Island Bay, Usof Bay, Raven Bay—and on Dutch Harbor Island. The permit database notes that excavations were made at the Amaknak-D site and that a site report is in the NPS files.

Permit No. 69-AK-130

Designated Curation Facility

Field Museum of Natural History, Chicago, Illinois

Status of Collection

Material classes in the collection made under this permit are historical-period metal, ceramics, glass, and lithics. This collection is curated at the Field Museum under Accession No. 3587, Catalog Nos. 270746–270920.

NAGPRA Status

The collection reportedly contains no human skeletal remains or other items subject to NAGPRA.

NADB References

Several publications by James W. VanStone, principal investigator for this permit and for a permit issued April 21, 1967 (see above), reference the Nushagak River as the location of the permitted activity. The primary reference pertaining to this collection is the following.

VanStone, James W.
1972 Nushagak: An Historic Trading Center in Southwestern Alaska. *Fieldiana Anthropology* 62:1–93. Field Museum of Natural History Publication 1145, Chicago.

Summary

This permit was issued to Donald Collier, principal investigator, and James W. VanStone, project director, for work at the village of Nushagak, on the east side of Nushagak Bay, Alaska.

Permit No. 69-AK-132

Designated Curation Facility

University of Pennsylvania Museum, Philadelphia

Status of Collection

The collection is curated at the curation facility under Accession No. 69-16, Catalog Nos. 69-16-1 through 69-16-890. The collection consists of 890 prehistoric artifacts (lithics and ceramics) attributed to the Norton complex (600–100 B.C.) by Bruce J. Lutz, the project director. According to Lucy Williams, the museum's keeper of American collections, the collection contains no NAGPRA-relevant items. No artifact inventory was provided.

NAGPRA Status

The collection reportedly contains no human skeletal remains or other items subject to NAGPRA.

NADB References

The database contains the following references.

Lutz, Bruce J.
1969 Archaeological Investigations near Unalakleet, Alaska. *Expedition* 11(2):52–54.
1970 Variations in Check-Stamped Pottery from an Archeological Site near Unalakleet, Alaska. *University of Alaska Anthropological Papers* 15(1):33–48.

Summary

This permit was issued to Froelich Rainey and Bruce J. Lutz for excavation in a prehistoric settlement adjacent to Unalakeet Village, Alaska. Lutz was the field director of the excavation. Designated land-management agencies are the

BLM and the Bureau of Indian Affairs (BIA). The database notes that the permit file contains newspaper articles and scholarly journals.

Permit No. 69-AK-128

Designated Curation Facility

Haffenreffer Museum of Anthropology, Bristol, Rhode Island

Status of Collection

The collection is curated at the designated curation facility, the Haffenreffer.

NAGPRA Status

The permit did not result in the collection of human skeletal remains or other items subject to NAGPRA.

NADB References

The work by J. L. Giddings, Froelich Rainey, and Douglas Anderson in the Kobuk River region and at Cape Krusenstern, under multiple permits, has resulted in numerous publications and papers. These publications and papers are included with the Section 5 inventory (Appendix 6).

Summary

This permit was issued to Douglas Anderson and Robert Gal for work in the Koyuk region and the Norton Bay area.

Permit No. 69-AK-134

Designated Curation Facility

University of Pennsylvania Museum, Philadelphia

Status of Collection

The status of this collection is unknown; no collection matching the permit information is curated at the designated curation facility. John R. Bockstoce states that the collection should be at the designated curation facility; however, officials at that institution have no record of the collection.

NADB References

No references in the database appear to be associated with this permit.

Summary

This permit was issued to Froelich Rainey, principal investigator, and John R. Bockstoce, project director, for excavations on St. Lawrence Island, Alaska.

Permit No. 70-AK-029

Designated Curation Facilities

Smithsonian Institution, Washington, D.C.; University of Alaska Museum, Fairbanks

Status of Collection

The status of this collection is unknown; see curation facility summary for remarks regarding the Smithsonian.

NADB References

The database contains extensive references to works by Edwin S. Hall, Jr., project director, pertaining to the general area of the permitted activity.

Hall, Edwin S., Jr.

1969 Excavations at Tukuto Lake, Alaska. Paper presented at the 34th Annual Meeting of the Society for American Archaeology, Milwaukee, Wisconsin.

1970 Excavations at Tukuto Lake: The Late Prehistoric/Early Historic Eskimos of Interior Northwest Alaska. Manuscript, location unknown.

1972 A Preliminary Analysis of House Types at Tukuto Lake, Northern Alaska. Paper presented at the 37th Annual Meeting of the Society for American Archaeology, Bal Harbour, Florida.

1976 A Preliminary Analysis of House Types at Tukuto Lake, Northern Alaska. In *Contributions to Anthropology: The Interior Peoples of Northern Alaska,* edited by Edwin S. Hall, Jr. *National Museum of Canada Mercury Series* 49:98–134. Archaeological Survey of Canada, Ottawa, Ontario.

1981 *Rejoinder: Cultural Resources at Betty, Etivluk, Galbraith-Mosquito, Itkillik, Kinguksukvik [sic], Swayback, and Tukuto Lakes in the Northern Foothills of the Brooks Range, Alaska, by Jean S. Aigner.* Report prepared for the North Slope Borough, p. 21.

Summary

This permit was issued to Emanuel Rudolph, principal investigator, and Edwin S. Hall, Jr., project director, for work in the same area as Permit Nos. 64-AK-220 and 73-AK-053 (i.e., the Howard Pass, Noatak, and Baird Mountains USGS quadrangles). The work in the Howard Pass quadrangle area centered on the excavation of a site near Tukuto Lake in the Etivluk River drainage.

Permit No. 70-AK-030

Designated Curation Facility

University of Pennsylvania Museum, Philadelphia

Status of Collection

The status of this collection is unknown; no collection matching the permit information is curated at the designated curation facility. John R. Bockstoce stated that the collection should be at the designated curation facility; however, officials at that institution have no record of the collection.

NAGPRA Status

The NAGPRA status of this collection is unknown.

NADB References

No references in the database appear to be associated with this permit.

Summary

This permit was issued to Froelich Rainey, principal investigator, and John R. Bockstoce, project director, for excavations on St. Lawrence Island, Alaska. It appears to be a continuance of the project permitted under 69-AK-134; the investigators and locational descriptions are identical.

Permit No. 70-AK-031

Designated Curation Facility

University of Pennsylvania Museum, Philadelphia

Status of Collection

A collection is curated at the designated curation facility under Accession No. 70-21, Catalog Nos. 70-21-1 through 70-21-1000 that may have been recovered under this permit. The information included with the questionnaire, however, indicates that the collection was made on Cape Nome rather than Point Hope. Permit No. 71-AK-022, which was issued for areas on Cape Nome, is designated as a continuance of Permit No. 70-AK-031.

NAGPRA Status

The collection reportedly contains no human skeletal remains or other items subject to NAGPRA.

NADB References

No references in the database appear to be associated with this permit.

Summary

This permit was issued to Froelich Rainey and John R. Bockstoce for archaeological surveys in Alaska. The project area designated is in the vicinity of Point Hope, Alaska, including coastal areas between Cape Lisburne and Kivalina and the Kukpuk drainage system.

Permit No. 70-AK-040

Designated Curation Facility

University of Connecticut, Storrs

Status of Collection

The collection recovered under this permit is curated at the University of Alaska Museum,

Fairbanks. Jean S. Aigner removed the collection from the designated curation facility when she joined the faculty at the University of Alaska. Michael Lewis at the University of Alaska Museum has been informed of the arrangements made to transfer the collection to Native Alaskan organizations (see curation facility summary for University of Connecticut, Storrs).

NAGPRA Status

All of the human skeletal remains excavated by the principal investigator were repatriated and reinterred prior to the enactment of NAGPRA.

NADB References

A review of the database revealed numerous publications or papers by Jean S. Aigner and William S. Laughlin, the permittees, directly or indirectly related to the geographic areas named in this permit. Two references appear to be reports about activities conducted under this permit.

Aigner, Jean S.
1971 *Preliminary Report of Archeological Investigations, Nikolski Bay, Umnak Island, Alaska, 1970.* Submitted to the University of Connecticut, Storrs.

Laughlin, William S.
1971 *Preliminary Report of Archaeological Investigation, Nikolski Bay, Umnak Island, Alaska.* Submitted to University of Connecticut, Storrs.

Summary

This permit was issued to Jean S. Aigner and William S. Laughlin, project directors, for projects on Umnak, Anangula, Ship Rock, Kagamil, and Buldir Islands, Alaska. In addition to the BLM, the BIA and the U.S. Fish and Wildlife Service (USFWS) are named as land managers for the project areas.

Permit No. 71-AK-022

Designated Curation Facilities

University of Pennsylvania Museum, Philadelphia; University Museum, Nome, Alaska

Status of Collection

A collection is curated at the University of Pennsylvania Museum under Accession No. 71-10, Catalog Nos. 71-10-1 through 71-10-1169. Museum personnel were unable to determine if the collection is from Permit No. 71-AK-022 (an excavation) or 71-AK-027 (a survey). The collection consists of 1,169 lithic artifacts. According to museum staff, the collection contains no NAGPRA-relevant artifacts. An inventory is not available. Arrangements can be made with the curation facility to copy the catalog cards for artifact descriptions.

NAGPRA Status

The collection reportedly contains no human skeletal remains or other items subject to NAGPRA.

NADB References

The database lists one citation that may apply to this permit or to Permit No. 71-AK-027.

Bockstoce, John R., and Froelich G. Rainey
1972 The Archaeology of Cape Nome. A Preliminary Report on the Excavations Carried Out under Antiquities Act Permits No. 71-AK-127 [*sic*]. Manuscript.

The NADB database and the permits database also contain the following citation, which is believed to be a duplicate.

Bockstoce, John R.
1972 The Archaeology of Cape Nome. A Preliminary Report on the Excavations. Manuscript.

Summary

This permit was issued as a continuance of Permit No. 70-AK-031, for "major excavations" near Cape Nome, Alaska. The University Museum, Nome, Alaska, listed as a designated curation facility, is no longer operational.

Permit No. 71-AK-023

Designated Curation Facility

Haffenreffer Museum of Anthropology, Bristol, Rhode Island

Status of Collection

The collection is curated at the designated curation facility, the Haffenreffer.

NAGPRA Status

The collection reportedly contains no human skeletal remains or other items subject to NAGPRA.

NADB References

The investigations by J. L. Giddings, Froelich Rainey, and Douglas Anderson in the Kobuk River region and at Cape Krusenstern, under multiple permits, have resulted in numerous publications and papers. These publications and papers are included in Appendix 6.

Summary

This permit was issued to Douglas Anderson and Robert Gal for work in the Koyuk River drainage. The permit database lists site numbers N-1 through N-18 and C-1 through C-20.

Permit No. 71-AK-027

Designated Curation Facility

University of Pennsylvania Museum, Philadelphia

Status of Collection

See the entry for Permit No. 71-AK-022.

NAGPRA Status

See the entry for Permit No. 71-AK-022.

NADB References

See the entry for Permit No. 71-AK-022.

Summary

This permit was issued to Froelich Rainey, principal investigator, and John R. Bockstoce, project director, for surveys on the Seward Peninsula, Alaska, in the vicinity of Salmon Lake, Glacial Lake, Sledge Island, and Solomon.

Permit No. 71-AK-054

Designated Curation Facility

Haffenreffer Museum of Anthropology, Bristol, Rhode Island

Status of Collection

The collection recovered under this permit is curated at the designated curation facility, the Haffenreffer. Human skeletal remains were recovered from Cape Krusenstern, but not during the excavations under this permit.

NAGPRA Status

It is not known whether the permitted activities resulted in the collection of human skeletal remains or other items subject to NAGPRA. The Section 5 NAGPRA inventory for the designated curation facility is in Appendix 5.

NADB References

The work by J. L. Giddings, Froelich Rainey, and Douglas Anderson in the Kobuk River region and at Cape Krusenstern, under multiple permits, has resulted in numerous publications and papers. These publications and papers are included in Appendix 6.

Summary

This permit was issued to Douglas Anderson for work at Cape Krusenstern, Onion Portage, and Selawik. According to the permit file, 123 artifacts were recovered during this project. (Cape Krusenstern is now part of the National Park system.)

Permit No. 72-AK-047

Designated Curation Facilities

University of Pennsylvania Museum, Philadelphia; Nome Museum, Alaska

Status of Collection

The status of this collection is unknown. John R. Bockstoce states that the collection is at the designated curation facility, but only one of the designated curation facilities is now operational, and it has no record of the materials.

NAGPRA Status

The NAGPRA status of this collection is unknown.

NADB References

No references in the database appear to be associated with this permit.

Summary

This permit was issued to Froelich Rainey and John R. Bockstoce for a coastal survey between Tin City and Cape Nome, including Imuruk Basin, and for continuing excavations at Cape Nome (see also Permit Nos. 70-AK-031 and 71-AK-022). The Nome Museum, Alaska, is one of the designated curation facilities; however, this museum no longer exists. In addition to the BLM, the BIA is listed as a land manager. Two nonfederal entities, the Arctic Native Brotherhood and the Bering Straits Native Corporation, are listed as concurring with the permit issuance.

Permit No. 73-AK-053

Designated Curation Facilities

Smithsonian Institution, Washington, D.C.; University of Alaska Museum, Fairbanks

Status of Collection

The status of this collection is unknown; see the curation-facility summary for the Smithsonian.

The status of artifacts at the University of Alaska Museum will be investigated by BLM officials in Alaska.

NAGPRA Status

The NAGPRA status of this collection is unknown.

NADB References

The database contains the following references to works by Herbert L. Alexander, Jr., project director, pertaining to the area of the permitted activity; however, all of these references predate the issuance of this permit.

Alexander, Herbert L., Jr.

1970 The Galbraith Lake–Atigun River Area. In *Trans-Alaskan Pipeline System*. Submitted to the University of Alaska, Fairbanks.

1971 Abstract: Early Man Sites: Brooks Range, Alaska. Paper presented at the 4th Annual Meeting of the Canadian Archaeological Association, Calgary, Alberta, Canada.

1968 Archeology in the Atigun Valley. *Expedition* 11(1):35–37.

1968 The Atigun Sites: A New Vista for Brooks Range Archaeology. Paper presented at the 33rd Annual Meeting of the Society for American Archaeology, Santa Fe, New Mexico.

The following two references postdate the permit issuance and were apparently generated from analysis of collections from the excavations at the Atigun site.

Wilson, Ian R.

1977 *Archaeological Investigations at the Atigun Site, Central Brooks Range, Alaska*. Unpublished Master's thesis, Department of Anthropology, Simon Fraser University, Vancouver, British Columbia, Canada.

1977 Archaeological Investigations at the Atigun Site, Central Brooks Range, Alaska. *National Museum of Man Mercury Series, Archaeological Survey of Canada Paper* No. 78. Ottawa, Ontario.

Summary

This permit was issued to Roy L. Carlson, principal investigator, and Herbert L. Alexander, Jr., project director, for work at Putu and Atigun. The project included major excavations and is listed as potentially subject to NAGPRA. Reference is made in the permit database to the Sagavanirktok Early Man Archaeological Project.

Permit No. 73-AK-058

Designated Curation Facility

Haffenreffer Museum of Anthropology, Bristol, Rhode Island

Status of Collection

The collection is curated at the designated curation facility, the Haffenreffer.

NAGPRA Status

The collection contains no human skeletal remains or other items subject to NAGPRA.

NADB References

The work by Douglas Anderson in Alaska, under multiple permits, has resulted in numerous publications and papers. These publications and papers are included in Appendix 6.

Summary

This permit was issued to Douglas Anderson. The location of the project area is given as T1–5S, R8–9W, in the Norton Bay area of Alaska. This would place the project area in the Koyuk River Basin.

Permit No. 73-AK-061

Designated Curation Facility

University of Connecticut, Storrs

Status of Collection

A portion of the collection is curated at the designated curation facility, the University of Connecticut, and is being prepared for repatriation to Native Alaskan organizations (see curation facility summary for the University of Connecticut). However, part of the collection was moved to the University of Alaska, Fairbanks, where Michael Lewis has been informed of the intent of the agreement between the University of Connecticut and the Kodiak Area Natives Association.

NAGPRA Status

The principal investigator has entered into an agreement with a Native Alaskan organization to transfer all human skeletal remains and artifacts recovered under this permit to their possession.

NADB References

The database contained the following references, which appear associated with the permitted activities.

Laughlin, Sara B., William S. Laughlin, and Mary E. McDowell

1974 Anangula Blade Site Excavation, 1972 and 1973. Paper presented at the 1st Alaskan Anthropology Conference, Anchorage, Alaska.

1975 Anangula Blade Site Excavations, 1972 and 1973. *University of Alaska Anthropological Papers* 17(2):39–48.

Laughlin, William S., and Sara B. Laughlin

1981 *Anangula and Chaluka Investigations of 1972*. National Geographic Society Research Reports 1972, edited by Paul H. Oehser, John S. Lea, and Nancy Link Powers, pp. 365–379. National Geographic Society, Washington, D.C.

As the titles of the above references indicate, activities in the project area took place in 1972 and 1973. It is not known which activities took place on BLM-administered lands.

Finally, the following reference refers to a burial recovered in the project area. It is not known whether this burial was recovered on BLM-administered lands or under the auspices of the permit.

Laughlin, William S., and Jean S. Aigner

1974 Burial of an Aged Chaluka Adult Male. *Arctic Anthropology* 11(1):47–60

Summary

This permit was issued to William S. Laughlin, principal investigator, and Jean S. Aigner, project director, for projects on the same Aleutian Islands named in Permit No. 70-AK-040.

Permit No. 74-AK-023

Designated Curation Facility

SUNY, Brockport, New York

Status of Collection

Archaeological materials collected as a result of the permitted activity are currently stored at the Hall-Blackman residence and have not been accessioned at any curation facility. Mary Ann Cady, the project director's assistant, provided copies of publications, field notes, and an artifact inventory (Table 6) related to this permit.

NAGPRA Status

This collection reportedly contains no human skeletal remains or other items subject to NAGPRA.

NADB References

The database contains extensive references to works by Edwin S. Hall, Jr., which pertain to the general area of the permitted activity. Mary Ann Cady provided a copy of the manuscript cited below.

Hall, Edwin S., Jr.
n.d. Archaeological Investigations in Northwestern Alaska, Summer 1974. Manuscript on file, Department of Anthropology, SUNY, Binghamton.

Summary

This permit was issued to Jack R. Rollwagen, principal investigator, and Edwin S. Hall, Jr., project director, for surveys and testing along the shores of Walker Lake in the headwaters of the Kobuk River drainage in Alaska. Based on the notes supplied by Cady, this project was a continuation of work conducted in 1967 and 1973.

Table 6.
Artifact Inventory of Collection from Permit No. 74-AK-023, Walker Lake

Site Number[a]	Artifact Type
74W1	lithic debitage & tools; calcined bone
74W2	lithic debitage & tools
74W3	lithic debitage
74W4	lithic debitage & tools
74W5	lithic debitage; calcined bone
74W6	lithic debitage & tools
74W7	lithic debitage & tools
74W8	lithic debitage & tools; faunal remains
74W9	lithic debitage & tools
74W10	lithic debitage & tools
74W12	lithic debitage & tools
74W13	lithic debitage
74W14	lithic debitage & tools
74W15	lithic debitage & tools
74W29	lithic debitage
40 m north of 74W1 ridge	lithic debitage
40 m north of 74W1	lithic debitage
15 m west of 74W14	lithic debitage

Note: Hall n.d. (see text) indicates that additional sites (74W11 & 74W16–74W28) containing artifacts were found. These artifacts were not included in the submitted inventory.
[a] Site numbers: W = Walker Lake

Permit No. 74-AK-024

Designated Curation Facility

University of Connecticut, Storrs

Status of Collection

The collection is currently stored at the University of Alaska, Anchorage.

NAGPRA Status

The collection reportedly contains no human skeletal remains or other items subject to NAGPRA.

NADB References

Douglas W. Veltre is cited for work in the permitted area in 1974–1976. One reference is believed to be a report on the permitted project.

Veltre, Douglas W.
1975 *Preliminary Report of Archaeological Research on Atka Island, Alaska in 1974.* Submitted to the University of Alaska, Anchorage.

Summary

This permit was issued to Jean S. Aigner, principal investigator, and Douglas W. Veltre, project director, for surveys and excavations on Atka and Amlia Islands in the Aleutian Islands of Alaska. Veltre excavated the material and used the analysis for his Ph.D. dissertation. According to Veltre, the collection was never at the University of Connecticut, although he was a Ph.D. candidate there at the time he conducted the excavations.

Permit No. 74-AK-026

Designated Curation Facility

SUNY, Brockport, New York

Status of Collection

Archaeological materials collected as a result of the permitted activity are currently stored at the Hall-Blackman residence and have not been accessioned at any curation facility. Cady provided copies of publications, field notes, and an artifact inventory (Table 7) related to this permit.

NAGPRA Status

The collection reportedly contains no human skeletal remains or other items subject to NAGPRA.

Table 7.
Artifact Inventory of Collection from Permit No. 74-AK-026

Site Number[a]	Artifact Type
74N2	lithic debitage
74Ni1	lithic debitage
74Ni7	lithic debitage; faunal bone & antler fragments
74Ni8A	lithic debitage
74Ni8B	lithic debitage
74U1	lithic debitage
74U2	lithic debitage
74U4	lithic debitage
74K3D	lithic debitage
74K4A	lithic debitage
74K4B	lithic debitage; antler fragment
74K4B-1	lithic debitage
74K4B-2	lithic debitage
74K4C	lithic debitage
74K5	lithic debitage
74K6	lithic debitage
74K8-1	lithic debitage
74K9	lithic debitage
74K10	lithic debitage
74K12	lithic debitage
74K13	lithic debitage
74K14	lithic debitage; caribou teeth & bone
74K15A & B	lithic debitage

[a] Site numbers: N = Noatak River, Ni = Niminktuk River, K = Kugururok River, and U = Utukok River.

NADB References

See Permit No. 74-AK-023.

Summary

This permit was issued to Jack R. Rollwagen, principal investigator, and Edwin S. Hall, Jr., project director, for collections, excavations, and investigations along the banks of the Noatak River between the Kugururok River and the Nimuktuk River.

Permit No. 75-AK-049

Designated Curation Facilities

University of Pennsylvania Museum, Philadelphia; Sitnasauk Native Corporation Museum, Nome, Alaska

Status of Collection

A portion of this collection is stored at the Sitnasauk Native Corporation; however, Eileen Anderson, land manager, states that the remainder is still at the University of Pennsylvania Museum. Lucy Williams at the University of Pennsylvania, however, was unable to locate a collection corresponding to this permit. John R. Bockstoce reported that the collection should be at the University of Pennsylvania Museum.

NAGPRA Status

The collection reportedly contains no human skeletal remains or other items subject to NAGPRA.

NADB References

No references in the database appear to be associated with this permit.

Summary

This permit was issued to Froelich Rainey and John R. Bockstoce. Locational description defines the project area as "along [the] existing right-of-way of the Nome-Safety Inlet road reconstruction between 14 and mile posts, as necessary."

Permit No. 76-AK-051

Designated Curation Facility

University of Pennsylvania Museum, Philadelphia

Status of Collection

The status of this collection is unknown; see also the entry for Old Dartmouth Historical Society Whaling Museum. John R. Bockstoce states that the collection is at the designated curation facility; however, University of Pennsylvania Museum staff have no record of the collection.

NAGPRA Status

The NAGPRA status of this collection is unknown.

NADB References

The database contained the following reference to the permitted project.

Bockstoce, John R.
1976 Report on Archeological Work Carried Out on the Seward Peninsula, Alaska under Antiquities Act Permit 76-AK-051. Manuscript.

Summary

This permit was issued to Froelich Rainey and John R. Bockstoce for archaeological surveys on BLM and USFWS lands along the north shore of Port Clarence and in Brevig Lagoon, along the perimeter of Glacier Lake, the shores of Sledge Island and Point Spencer, and at the confluence of Salmon Lake and the Pilgrim River, Alaska. It is believed that the unnumbered permits 76-AK-199 and 76-AK-225 (see below) were combined, and one permit, 76-AK-051, was issued. The general notes section of the IPS database state that the collection may be returned to an unspecified native corporation upon completion of analysis and when so requested.

Permit No. 76-AK-199 (Originally 76-AK-598)

Designated Curation Facilities

Old Dartmouth Historical Society Whaling Museum, New Bedford, Massachusetts; University of Pennsylvania Museum, Philadelphia

Status of Collection

The status of this collection is unknown; see also the entry for Old Dartmouth Historical Society Whaling Museum. John R. Bockstoce states that the collection is at the University of Pennsylvania Museum, however, staff at the university have no record of the collection.

NAGPRA Status

The NAGPRA status of this collection is unknown.

NADB References

See the entry for Permit No. 76-AK-051.

Summary

This permit, issued to Froelich Rainey and John R. Bockstoce, is coded as being unnumbered; 76-AK-199 was assigned upon data entry into IPS. Locational description of the project area is the perimeter of Glacial Lake, Seward Peninsula, Alaska. Because the year of application, the personnel involved, and the area are similar to Permit No. 76-AK-051 (see above) and Permit No. 76-AK-225 (see below), it is possible that the permits numbered 76-AK-199 and 76-AK-225 were applications that were combined to form Permit No. 76-AK-051.

Permit No. 76-AK-225 (Originally 76-AK-599)

Designated Curation Facilities

Old Dartmouth Historical Society Whaling Museum, New Bedford, Massachusetts; University of Pennsylvania Museum, Philadelphia

Status of Collection

No collections from investigations conducted under this permit are at either of the designated curation facilities. John R. Bockstoce states that the collection is at the Sitnasuak Native Corporation Museum; however, officials with the latter have no record of the collection. It was suggested that the collection may be at the Brevig Corporation or at the Bering Straits Native Corporation.

NAGPRA Status

The NAGPRA status of this collection is unknown.

NADB References

See the entry for Permit No. 76-AK-051.

Summary

This permit was issued to Froelich Rainey, principal investigator, and John R. Bockstoce, project director, for an archaeological survey on the north shore of Port Clarence and in Brevig Lagoon on the Seward Peninsula, Alaska. The Bering Straits Native Corporation is noted in the permit database as having concurred with the issuance of the permit. The permit does not mention the Sitnasuak Native Corporation Museum, which Bockstoce states is the current curation facility. The Old Dartmouth Historical Society Whaling Museum and the University of Pennsylvania Museum are listed as the designated curation facilities for collections made under this permit. This permit is coded as being unnumbered, Permit No. 76-AK-599 being assigned upon data entry into IPS. The locational description of the project area is the perimeter of Glacial Lake, Seward Peninsula, Alaska. Because of the year of application, the personnel involved, and the similar description of the area to Permit Nos. 76-AK-051 and 76-AK-199, it is possible that Permit Nos. 76-AK-199 and 76-AK-225 were applications that were combined to form Permit No. 76-AK-051. The Old Dartmouth Historical Society Whaling Museum, however, is listed as a curation facility on Permit No. 76-AK-225, but not on Permit Nos. 76-AK-199 or 76-AK-051. This discrepancy and the separate applications may represent differences in funding sources for the original applications.

Permit No. 77-AK-064

Designated Curation Facility

University of Pennsylvania Museum, Philadelphia

Status of Collection

The status of this collection is unknown; John R. Bockstoce states that the collection is at the designated curation facility; however, officials with the University of Pennsylvania Museum have no record of the collection.

NAGPRA Status

The NAGPRA status of this collection is unknown.

NADB References

See the entry for Permit No. 76-AK-051.

Summary

This permit appears to be a continuance of Permit No. 76-AK-051, issued the previous year, as the investigators and the locational descriptions are identical.

Arizona

Permit No. 77-AZ-002

Designated Curation Facility

El Paso Centennial Museum, University of Texas

Status of Collection

The status of this collection is unknown; no projects could be specifically correlated with this permit.

NAGPRA Status

The NAGPRA status of this collection is unknown; no projects could be specifically correlated with this permit.

NADB References

Rex Gerald, principal investigator for this permit, has numerous cultural resource management (CRM) citations in the database; however, no references could be specifically correlated with this permit.

Summary

Review of the permit file suggests that this was a blanket permit issued to Rex Gerald for CRM projects on BLM lands in Arizona, New Mexico, and Texas. Consequently, there may be multiple collections from these permits.

Permit No. 79-AZ-297 (Originally 79-AZ-680)

Designated Curation Facility

University of Wisconsin, Stevens Point

Status of Collection

No collection was made under this permit.

NAGPRA Status

No collection was made under this permit.

NADB References

No citations were listed under the names of the principal investigator or project directors.

Summary

This permit was issued to William S. Marmaduke, principal investigator, and David J. Dechambre and Michael D. Windham, project directors, all of whom are employed by Northland Anthropological Research (now Northland Research), Flagstaff, Arizona. The permit was issued for archaeological investigations in Arizona, New Mexico, Colorado, Utah, and Nevada; however, Dechambre stated that only noncollection, nondisturbing surveys were conducted under the permit.

California

Permit No. 74-CA-047

Designated Curation Facility

American University, Washington, D.C.

Status of Collection

No collection was made under this permit.

NAGPRA Status

No collection was made under this permit.

NADB References

No publications by John J. Bodine or Gary W. Hume are listed in NADB for the Harris site.

Summary

This permit was issued to John J. Bodine, principal investigator, and Gary W. Hume, project director, for work at the Harris site, the type site for the San Dieguito phase. According to Hume, surface finds were mapped but not collected.

Permit No. 76-CA-073

Designated Curation Facility

New York University, New York

Status of Collection

Archaeological materials collected as a result of this permitted activity are curated at the University of California, Davis. Information concerning the collection has been supplied to BLM personnel in California.

NAGPRA Status

The collection reportedly contains no human skeletal remains or other items subject to NAGPRA.

NADB References

No citations in the database appear to be associated with this permit.

Summary

This permit was issued to John Buettner-Janusch for investigations, survey, and testing in California. Specifically, the permit database gives the locational description, in the BLM Bakersfield District, as T3–8S, R30–36E, T10–16S, R33–38E.

Permit No. 78-CA-084

Designated Curation Facility

New York University, New York

Status of Collection

Archaeological materials collected as a result of this permitted activity are curated at the University of California, Davis. Information concerning the collection has been supplied to BLM personnel in California.

NAGPRA Status

The collection reportedly contains no human skeletal remains or other items subject to NAGPRA.

NADB References

Although Robert L. Bettinger is cited 19 times in the database, no citations could be specifically correlated with this permit.

Summary

This permit was issued to John Buettner-Janusch, principal investigator, and Robert L. Bettinger, project director, for work in the same area as Permit No. 76-CA-073. The townships and ranges are given as T3–16S, R29–38E.

Permit No. 79-CA-124

Designated Curation Facility

New York University, New York

Status of Collection

This collection is curated at the University of California, Davis. Information concerning the collection has been supplied to BLM personnel in California.

NAGPRA Status

The collection reportedly contains no human skeletal remains or other items subject to NAGPRA.

NADB References

Review of the database produced the following citation that appears to refer to work done at the same site, albeit two years later.

Bettinger, Robert L.
1981 *Preliminary Report on Archaeological Research Carried Out in 1981 at Crater Middens (Ca-Iny-1700), Inyo County, California, Federal Antiquities Permit # 81-Ca-58.* Robert L. Bettinger, University of California, Davis.

Summary

This permit was issued to John Buettner-Janusch, principal investigator, and Robert L. Bettinger, project director, for survey and excavation at the Crater Middens site (CA-Iny-1700), located in the NE¼ of the NW¼ of Section 30, T92S, R34E, on the Big Pine USGS quadrangle.

Colorado

Permit Issued 1921

Designated Curation Facility

American Museum of Natural History, New York

Status of Collection

The collection is curated at the designated curation facility, the AMNH.

NAGPRA Status

This collection contains human skeletal remains and associated funerary objects. The designated curation facility has completed a NAGPRA inventory of the collection.

NADB References

No citations pertinent to this permit were found in the database.

Summary

This permit was not in the database originally supplied to the St. Louis District. Information regarding the permit was supplied by Frank Wozniak, NAGPRA consultant for the New Mexico BLM. The permit was issued to Clark Wissler in 1921 for excavations and explorations between the Animas and La Plata Rivers, Colorado. AMNH staff indicates that the collection is there and contains 70 catalog numbers of materials that should be evaluated for NAGPRA compliance.

Permit No. 74-CO-028

Designated Curation Facility

Wichita State University, Wichita, Kansas

Status of Collection

This collection, which has not been accessioned, is being analyzed by Arthur Rohn at Wichita State. Presently, only laboratory catalog numbers (1–924) have been assigned.

NAGPRA Status

This collection reportedly contains a single fragment of human bone (Catalog No. 17) that was found on the surface in a disturbed context. Rohn stated this was a field identification that has not been confirmed by a physical anthropologist. No other human skeletal remains or burials were found.

NADB References

No references to this project were found in the database; however, Rohn provided the following citation.

Rohn, Arthur
1974 Payne Site Investigations. *Southwestern Lore* 40(3–4).

Summary

This permit was issued for work at a site designated by Rohn as Y-20. No state site number has been requested. In addition to the work conducted at Y-20, Rohn also excavated at a site he designated Y-21 in 1984. It is unclear whether Y-21 is located on BLM-administered lands.

Permit No. 77-CO-071

Designated Curation Facility

Southern Illinois University, Carbondale

Status of Collection

The location of this collection is currently unknown. George J. Gumerman stated that Robert B. Neily, project director, was under investigation by BLM law enforcement personnel for failure to turn in this collection.

NAGPRA Status

The NAGPRA status of this collection is unknown; however, the collection reportedly contains no human skeletal remains or other items subject to NAGPRA.

NADB References

There are no references in the database pertaining to these permits. Two reports are noted in the permit database for the "Black Mesa Archeological Project." It appears, however, that the project for which the permit was obtained was not related to the Black Mesa Project.

Summary

This permit was issued to George J. Gumerman, principal investigator, and Robert B. Neily, project director. The permit database contains references to Black Mesa, Cajon Mesa, Hovenweep National Monument, Hovenweep Archaeological Project, and Black Mesa Archaeological Project. The location of the project is given as T38N, R19–20W, in the BLM, Montrose District. According to Gumerman, this permit was obtained for the collection of data to be used in Neily's dissertation. The project is not related to the Black Mesa Archaeological Project in Arizona.

Florida

Permit No. 75-FL-054

Designated Curation Facility

Florida Museum of History, Tallahassee

Status of Collection

The status of this collection is unknown.

NAGPRA Status

The NAGPRA status of this collection is unknown; however, the nature of the project makes it unlikely that human skeletal remains or other items subject to NAGPRA would have been recovered.

NADB References

No references to these projects were found in the database.

Summary

This permit was issued to Robert Williams, principal investigator, and Curtiss Peterson, project director, for survey and limited excavations in the Coffin's Patch area. The project area was defined as "from a point beginning at approx. 24 deg 38.6′ N. Latitude and 81 deg 02.7′ W Longitude, run NE to approx. 24 deg. 41.9′ N, Latitude and 80 deg 51.6′ W. Longitude; thence north to an intersection of the three mile limit at approx. 24 deg. 44.5′ N Latitude and 80 51.6′ W Longitude; thence along the three mile limit to the point of beginning." Roger Smith described Coffin's Patch as the locality of the wreckage of a 1733 Spanish flota. The wreckage has been the object of many salvage activities. No other information is available for this permit.

Permit No. 76-FL-088

Designated Curation Facility

Florida Museum of History, Tallahassee

Status of Collection

Three artifacts (Table 8) were recovered and are presently curated at the Florida Bureau of Archeological Research.

NAGPRA Status

The collection contains no human skeletal remains or other items subject to NAGPRA.

NADB References

No references to this project were found in the database.

Table 8.
Artifacts from Permit No. 76-FL-088 Curated at the Florida Bureau of Archeological Research

Site Number	Accession & Catalog Nos.	Description
8MO00000	94A.069.000001	metal, T-shaped handle
8MO00000	94A.069.000002	metal trunnion cap with pin fragment
8MO00000	94A.069.000003	metal trunnion cap

Summary

Listed in the Florida Bureau of Archeological Research records as State Contract S-18b, signed on September 2, 1977, between History and Records Management, Division of Archives, Department of State, State of Florida, and the Underseas Research and Salvage Corporation. The object of the contract was the salvage of an unspecified ship or ships in the area of American Shoals. No site numbers were assigned, as the locational information provided was insufficient to define the localities other than by county. In addition to the artifacts listed above, black-and-white photographs, field notes, and the results of a magnetometer survey are stored in the Florida Bureau of Archeological Research's office for underwater archaeology.

Permit No. 76-FL-237 (Originally 76-FL-645)

Designated Curation Facility

Florida Keys Community College, Key West

Status of Collection

It is unknown whether a collection was made.

NADB References

No references to this project were found in the database.

Summary

This permit was issued to Walter Grahn and Jack Steffney. The application requested permission for work 3.8 miles offshore of Duck Key, Florida, north of the Coffin's Patch area. Duncan Mathewson states that the activities under this permit were not monitored by Florida Keys Community College. He further states that he did not believe that many artifacts were recovered. Furthermore, he implied that any artifacts that might have been recovered remain in private hands. It is possible, however, that, since the permit file contains only an application and no formal permit, no permit was issued.

Permit No. 77-FL-005

Designated Curation Facility

Florida Museum of History, Tallahassee

Status of Collection

The status of this collection is unknown. No information about this permit was available.

NAGPRA Status

The NAGPRA status of this collection is unknown; however, the proposed project would be unlikely to recover human skeletal remains or other items subject to NAGPRA.

NADB References

No references to this project were found in the database.

Summary

This permit was issued to Robert Williams, principal investigator, and Curtiss Peterson and W. A. Cockrell, project directors, for an underwater survey in the Coffin's Patch area. No other information is provided in the permit database. As mentioned above, Roger Smith, state underwater archaeologist of Florida, stated that

Coffin's Patch is the site of many salvage attempts on the wreckage of a 1733 Spanish flota.

Permit No. 77-FL-262 (Originally 77-FL-806)

Designated Curation Facility

Historical Museum of Southern Florida, Miami

Status of Collection

No collection was made under this permit.

NAGPRA Status

No collection was made under this permit.

NADB References

No references to this project were found in the database.

Summary

According to the funding proposal provided by Remko Jansonius, the proposal was submitted to the Office of Archaeology and Historic Preservation, DOI; and the National Marine Sanctuary Program, National Oceanic and Atmospheric Administration. Funding was requested for a project to evaluate underwater survey methods on a 1733 Spanish flota. The proposal was never funded.

Kansas

Permit No. 78-WY/NE/KS-044

See Wyoming.

Permit No. 82-WY/NE/KS-00

Designated Curation Facility

Kansas State Historical Society, Topeka

Status of Collection

No collections from this permit are curated at the Kansas State Historical Society or the Nebraska State Historical Society. Based upon a review of NADB citations for Bruce Rippeteau and Marcia Tate, project directors, numerous collections may be curated at the University of Wyoming, which is outside of the area assigned for this project.

NADB References

No references associated with the permit for the state of Kansas could be found in the database. There is one report on file, cited below, for work in Nebraska.

Brechtel, James
1982 *A Cultural Resource Survey for EMC Energies, Inc., North Pecos 4-1, Well Pad and Access, Cheyenne County, Nebraska.* Powers Elevation Co., Denver, Colorado. Submitted to EMC Energies.

A review of the NADB citations for Wyoming reveals numerous CRM reports that mention Powers Elevation Co., Inc., and Bruce Rippeteau, one of the project directors.

Summary

This permit was issued to George Lapaseotes, principal investigator, and Bruce Rippeteau and Marcia Tate, project directors, of Powers Elevation Co., Inc., Denver, Colorado. This permit was issued for archaeological work in Wyoming, Nebraska, and Kansas. A NADB search revealed that numerous projects were conducted in Wyoming, but that only one project was conducted in Nebraska and none in Kansas. The single project in Nebraska did not generate a collection.

Kentucky

Permit No. 76-KY-039

Designated Curation Facility

University of Kentucky, Lexington

Status of Collection

No collections were made under this permit.

NAGPRA Status

No collection was made under this permit.

NADB References

No references to this permit were found in the database.

Summary

The application for this permit provided specific boundaries of the project area around U.S. Highway 60 and Kentucky Highway 1882. The project report has aerial photos of the project area, and specifically states that no archaeological sites were found.

Nebraska

Permit No. 78-WY/NE/KS-044

See Wyoming.

Permit No. 82-WY/NE/KS-00

See Kansas.

Nevada

Permit Issued June 16, 1967

Designated Curation Facilities

Nevada State Museum, Carson City; Peabody Museum of Archaeology and Ethnology, Harvard University, Cambridge, Massachusetts

Status of Collection

This collection has been transferred to the Nevada State Museum and is included in that curation facility's inventory of BLM collections.

NAGPRA Status

The NAGPRA status of this collection is unknown; this collection is under the jurisdiction of the BLM office in Nevada.

NADB References

The database contains a citation referring to the Harvard-Nevada expedition. The permit refers to the project as the Northwestern Nevada Archaeological Expedition.

Layton, Thomas N.
1967 *The Harvard-Nevada Expedition, a Report on Activities during the 1967 Field Season.* Harvard University, Cambridge, Massachusetts.

Summary

This permit was issued to J. O. Brew, principal investigator, and Thomas Nutter Layton, project director, for collections, excavations, and explorations in Washoe, Humboldt, and Pershing Counties. The permit database lists "Vya and Lovelock" in the locational description, both of which correspond to USGS 7.5-minute quadrangle map names.

Permit No. 72-NV-030-A

Designated Curation Facility

Museum of Anthropology, University of Missouri, Columbia

Status of Collection

This collection is being curated for the BLM at the Nevada State Museum, Carson City.

NAGPRA Status

The NAGPRA status of this collection is unknown; this collection is under the jurisdiction of the Nevada BLM office, which has assumed responsibility for monitoring the collection.

NADB References

No references to this project were found in the database.

Permit Status

This permit was issued to W. Raymond Wood, principal investigator, and Roberta McGonagle, project director, as part of the latter's dissertation research. The work consisted of surface

collections in Washoe and Humboldt Counties, Nevada.

Permit No. 77-NV-047

Designated Curation Facility

American Museum of Natural History, New York

Status of Collection

The Tonopah Collection, which contains approximately 1,200 artifacts from approximately 60 sites, is curated at the AMNH under Accession No. 1994-7. Documents associated with the collection include field notes, maps, provenience catalogs, administrative records, and photographs.

NAGPRA Status

The collection reportedly contains no human skeletal remains or other items subject to NAGPRA.

NADB References

The database contains one reference by David Hurst Thomas that is relevant to this permit.

Thomas, David Hurst
1977 *Report of Work at Pleistocene Lake Tonopah.* Submitted to the BLM, Las Vegas District.

Summary

This permit was issued to David Hurst Thomas, a curator at the designated curation facility, the AMNH. The information received from the curation facility confirms that the permitted activity took place at Lake Tonopah, Nevada.

New Mexico

Permit Issued 1915

Designated Curation Facility

Commercial Museum, Philadelphia, Pennsylvania

Status of Collection

The status of this collection is unknown; the Commercial Museum is no longer in existence. Its successor, the Civic Center Museum, could not be reached.

NAGPRA Status

The NAGPRA status of this collection is unknown.

NADB References

There are no references pertinent to this permit in the database.

Summary

This permit was not in the database originally supplied to the St. Louis District. Information regarding the permit was supplied by Frank Wozniak, NAGPRA consultant for the New Mexico BLM. The permit was issued in 1915 to Edgar Hewitt, of the School of American Archaeology, for excavations and explorations on the Pajarito Plateau and in the Jemez Mountains of New Mexico.

Permit Issued 1925

Designated Curation Facilities

Smithsonian Institution, Washington, D.C.; National Geographic Society, Washington, D.C.

Status of Collection

The status of this collection is unknown; the Smithsonian refused to respond to inquiries; the National Geographic Society does not curate collections.

NAGPRA Status

The NAGPRA status of this collection is unknown.

NADB References

There are no references pertinent to this permit in the database.

Summary

This permit was not in the database originally supplied to the St. Louis District. Information regarding the permit was supplied by Frank Wozniak, NAGPRA consultant for the New Mexico BLM. The permit was issued to Neil Judd for collections on BLM lands southwest of the Carlsbad National Monument in T23–25S, R24–25E.

Permit Activity from 1930 to 1936

Designated Curation Facility

University of Pennsylvania Museum, Philadelphia

Status of Collection

BLM, New Mexico, has assumed responsibility for monitoring compliance for this collection.

NAGPRA Status

According to Frank Wozniak, NAGPRA consultant for the New Mexico BLM, the collection probably contains human skeletal remains and other items subject to NAGPRA.

NADB References

The following references appear to have resulted from the permitted activities.

Howard, Edgar B.
1930 Archaeological Research in the Guadalupe Mountains. *The Museum Journal* 21(3–4): 188–213.

1932 Caves along the Slopes of the Guadalupe Mountains. *Bulletin of the Texas Archeological and Paleontological Society* 4:7–19

Summary

This permit was not in the database originally supplied to the St. Louis District. Information regarding the permit was supplied by Frank Wozniak, NAGPRA consultant for the New Mexico BLM. The collection resulted from work by Edgar B. Howard in Eddy and Otero Counties, at Alamogordo, and in the Guadalupe Mountains.

Permit Issued 1931

Designated Curation Facility

Carnegie Institution, Washington, D.C. (defunct)

Status of Collection

The status of this collection is unknown; the collection was reportedly transferred to the Peabody Museum of Archaeology and Ethnology, Harvard University. The Peabody Museum, however, could not locate a collection corresponding to this permit.

NAGPRA Status

The NAGPRA status of this collection is unknown.

NADB References

See the above entry for permitted activity from 1930 to 1936.

Summary

This permit was not in the database originally supplied to the St. Louis District. Information regarding this permit was supplied by Frank Wozniak, NAGPRA consultant for the New Mexico BLM. The permit was issued to Edgar B. Howard for work in Eddy and Otero Counties. The locational description is similar to the permit covering explorations by the University of Pennsylvania from 1930 to 1936. The degree of overlap is unknown. Contacting the Carnegie Institute, Pittsburgh, Pennsylvania, revealed that the Carnegie Institution, Washington, D.C., is now defunct and all collections from the latter were to have been transferred to the Peabody Museum of Archaeology and Ethnology. Frank Wozniak was already in touch with that institution regarding other collections and assumed responsibility for pursuing further inquiries.

Permit Issued 1932

Designated Curation Facility

Carnegie Institution, Washington, D.C. (defunct)

Status of Collection

The status of this collection is unknown; the collection was reportedly transferred to the Peabody Museum of Archaeology and Ethnology, Harvard University. The Peabody Museum, however, could not locate a collection corresponding to this permit.

NAGPRA Status

The NAGPRA status of this collection is unknown; however, the Peabody Museum possesses a cranial vault, Accession No. N/1069, which was recovered from a grave at a point between McDermott Arroyo and the La Plata River. The museum has included this human skeletal element in its NAGPRA inventory.

NADB References

The following references appear to be related to the permitted activity.

Morris, Earl H.
1939 Archeological Studies in the La Plata District. *Carnegie Institution of Washington Publication* No. 519. Washington, D.C.

Morris, Earl H., and Robert F. Burgh
1941 Anasazi Basketry, Basketmaker II through Pueblo III: A Study Based on Specimens from the San Juan River Country. *Carnegie Institution of Washington Publication* No. 533. Washington, D.C.

Summary

This permit was not in the database originally supplied to the St. Louis District. Information regarding the permit was supplied by Frank Wozniak, NAGPRA consultant for the New Mexico BLM. The permit was issued to Earl H. Morris for explorations between Chaco Wash and the San Juan River. Contacting the Carnegie Institute in Pittsburgh, Pennsylvania, revealed that the Carnegie Institution, Washington, D.C., is now defunct and all collections from the latter were to have been transferred to the Peabody Museum. Frank Wozniak was already in touch with that institution regarding other collections and assumed responsibility for pursuing further inquiries.

Permit Issued 1937

Designated Curation Facility

University of Nebraska, Lincoln

Status of Collection

The collection is curated at the designated curation facility, the University of Nebraska, Lincoln.

NAGPRA Status

The collection reportedly contains no human skeletal remains or other items subject to NAGPRA.

NADB References

There are no references pertinent to this permit in the database.

Summary

This permit was not in the database originally supplied to the St. Louis District. Information regarding the permit was supplied by Frank Wozniak, NAGPRA consultant for the New Mexico BLM. The collection was made in 1937 by C. B. Schultz in the Guadalupe Mountains, near Carlsbad, New Mexico. Obtained from caves, the collection is a mix of archaeological and paleontological specimens.

Permit Issued 1938

Designated Curation Facility

University of Nebraska, Lincoln

Status of Collection

The collection is curated at the designated curation facility, the University of Nebraska, Lincoln.

NAGPRA Status

The collection reportedly contains no human skeletal remains or other items subject to NAGPRA.

NADB References

There are no references pertinent to this permit in the database.

Summary

This permit was not in the database originally supplied to the St. Louis District. Information regarding the permit was supplied by Frank Wozniak, NAGPRA consultant for the New Mexico BLM. The collection was made in 1938 by C. B. Schultz in the Guadalupe Mountains, near Carlsbad, New Mexico. Obtained from caves, the collection is a mix of archaeological and paleontological specimens.

Permit Issued 1947

Designated Curation Facilities

Peabody Museum of Archaeology and Ethnology, Harvard University, Cambridge, Massachusetts; Arizona State Museum; Museum of Northern Arizona; Gila Pueblo Museum; Museum of New Mexico; Maxwell Museum of Anthropology, University of New Mexico, Albuquerque

Status of Collection

The collection is curated at the Peabody Museum under Accession No. 47-55, Catalog Nos. 10/29062–10/29174. The collection consists of 6,744 objects, including potsherds, flaked stone (including obsidian), and shell.

NAGPRA Status

The collection contains no human skeletal remains or other items subject to NAGPRA.

NADB References

There were no references pertinent to this permit in the database.

Summary

This permit was not in the database originally supplied to the St. Louis District. Information regarding this permit was supplied by Frank Wozniak, NAGPRA consultant for the New Mexico BLM. This permit was issued to J. O. Brew for reconnaissance, collections, and excavations in Catron County.

Permit Issued 1949 (Renewed 1950)

Designated Curation Facility

Peabody Museum of Archaeology and Ethnology, Harvard University, Cambridge, Massachusetts

Status of Collection

The collections associated with this permit are curated at the Peabody Museum under Accession No. 50-46, Catalog Nos. 10/37167–10/38691. The collections consist of 23,708 items, and includes ceramic vessels, potsherds, stone tools and flakes, modified faunal remains, seeds, charcoal, basket fragments, and pigments.

NAGPRA Status

The collection contains no human skeletal remains or other items subject to NAGPRA.

NADB References

The database contained the following reference.

McGimsey, Charles R. III
1951 Peabody Museum Upper Gila Expedition—Pueblo Division. *El Palacio* 58(10):299–312

Summary

This permit was not in the database originally supplied to the St. Louis District. Information regarding this permit was supplied by Frank Wozniak, NAGPRA consultant for the New Mexico BLM. This permit was issued to Charles R. McGimsey III for survey and collections in Catron County within T3N, R15W, Sections 1, 2, 11, 12, and 24.

Permit Issued 1951 (Renewed 1952)

Designated Curation Facilities

Peabody Museum of Archaeology and Ethnology, Harvard University, Cambridge, Massachusetts

Status of Collection

The collection is curated at the Peabody Museum under Accession No. 51-27, Catalog Nos. 10/34035–10/34048. The collection consists of seven vessels and 1,344 potsherds.

NAGPRA Status

The collection contains no human skeletal remains or other items subject to NAGPRA.

NADB References

The database contained the following references pertinent to the permitted activities.

Ruppe, R. J., and A. E. Dittert, Jr.
1951 The Archaeology of Cebolleta Mesa: A Preliminary Report. *El Palacio* 58(4):116–129.

1952 The Archaeology of Cebolleta Mesa and Acoma Pueblo: A Preliminary Report Based on Further Investigation. *El Palacio* 59(7):191–217

1953 Acoma Archaeology: A Preliminary Report of the Final Season in the Cebolleta Mesa Region, New Mexico. *El Palacio* 60(7):259–273

Summary

This permit was not in the database originally supplied to the St. Louis District. Information regarding the permit was supplied by Frank Wozniak, NAGPRA consultant for the New Mexico BLM. The permit was issued to Reynold Ruppe and Edward Dittert for survey and excavation on Cebolleta Mesa in west-central New Mexico.

Permit Issued 1951 (Renewed 1953 and 1954)

Designated Curation Facility

Peabody Museum of Archaeology and Ethnology, Harvard University, Cambridge, Massachusetts; Logan Museum of Anthropology, Beloit College, Beloit, Wisconsin

Status of Collection

The status of this collection is unknown; neither the Peabody Museum nor the Logan Museum could locate any collections corresponding to this permit.

NAGPRA Status

The NAGPRA status of this collection is unknown.

NADB References

There are no references pertinent to this permit in the database.

Summary

This permit was not in the database originally supplied to the St. Louis District. Information regarding the permit was supplied by Frank Wozniak, NAGPRA consultant for the New Mexico BLM. The permit was issued to William Godfrey and J. O. Brew for explorations in Catron County, New Mexico.

Permit Issued 1953

Designated Curation Facility

Columbia University, New York

Status of Collection

The status of this collection is unknown. The collection is not curated at the designated curation facility.

NAGPRA Status

The NAGPRA status of this collection is unknown.

NADB References

No references pertinent to this permit were located in the database.

Summary

This permit was not in the database originally supplied to the St. Louis District. Information regarding the permit was supplied by Frank Wozniak, NAGPRA consultant for the New

Mexico BLM. The permit was issued for surface collections at El Morro, southwest of El Morro, Manuelito, Bell, Tinaja, and Lookout.

Permit Issued 1953

Designated Curation Facility

Columbia University, New York

Status of Collection

This collection is curated at the designated curation facility, Columbia.

NAGPRA Status

The collection reportedly contains no human skeletal remains or other items subject to NAGPRA.

NADB References

The following reference, which indicates that the principal investigator had conducted previous work at the permitted location, was located in the database.

Keur, Dorothy L.
1941 Big Bead Mesa: An Archaeological Study of Navajo Acculturation 1745–1812. *Memoirs of the Society for American Archaeology* No. 1. Menasha, Wisconsin.

Summary

This permit was not in the database originally supplied to the St. Louis District. Information regarding this permit was supplied by Frank Wozniak, NAGPRA consultant for the New Mexico BLM. This permit was issued to Dorothy L. Keur for archaeological work at Big Bead Mesa.

Permit Issued 1957

Designated Curation Facilities

Peabody Museum of Archaeology and Ethnology, Harvard University, Cambridge, Massachusetts; Museum of New Mexico, Santa Fe; Maxwell Museum of Anthropology, University of New Mexico, Albuquerque.

Status of Collection

The collection is curated at the Peabody Museum under Accession No. 58-2, Catalog Nos. 10/35726–10/35820 and 10/35831–10/35834. The collection consists of 638 items, including ceramic vessels, potsherds, stone tools, shell ornaments, fossils, and geological specimens.

NAGPRA Status

The collection contains no human skeletal remains or other items subject to NAGPRA.

NADB References

There were no references pertinent to this permit in the database.

Summary

This permit was not in the database originally supplied to the St. Louis District. Information regarding this permit was supplied by Frank Wozniak, NAGPRA consultant for the New Mexico BLM. This permit was issued to Roger Green for survey and excavations in Rio Arriba County, specifically T24–25N, R3W.

Permit Issued October 31, 1966

Designated Curation Facility

Museum of Anthropology, University of Michigan, Ann Arbor

Status of Collection

This collection is curated at the designated curation facility, the Museum of Anthropology, University of Michigan.

NAGPRA Status

This collection was reviewed by the designated curation facility and deemed not to contain any items subject to NAGPRA.

NADB References

Although the principal investigators for the permit are cited in the database, none of the citations appears to be associated with this permit.

Summary

This permit was issued to Arthur Jelinek, James Fitting, and Fred Fischer for surveys in Sierra, Grant, Luna, and Doña Ana Counties, New Mexico. No other information is available.

Permit Issued January 6, 1967

Designated Curation Facility

Museum of Anthropology, University of Michigan, Ann Arbor

Status of Collection

This collection is curated at the designated curation facility, the Museum of Anthropology, University of Michigan.

NAGPRA Status

This collection was reviewed by the designated curation facility and deemed not to contain any items subject to NAGPRA.

NADB References

Although the principal investigators for the permit are cited in the database, none of the citations appear to be associated with this permit.

Summary

This permit was issued to Arthur Jelinek and James Fitting for surveys in Sierra, Luna, Hidalgo and Doña Ana Counties, New Mexico.

Permit No. 70-NM-025

Designated Curation Facility

Southwestern Historical Wax Museum, Dallas, Texas

Status of Collection

The status of this collection is unknown; the curation facility was destroyed in a fire, and the proprietor is dead. It is uncertain whether any collections were made under this permit.

NAGPRA Status

The NAGPRA status of this collection is unknown.

NADB References

No references to this permit or the associated individuals were found in the database.

Summary

Robert Bieberman, one of the three permit applicants, was contacted regarding the project. Although he was not directly involved in the project, he recalls that Thomas Howell, the owner of the Southwestern Historical Wax Museum, conducted a search for cannons that had been abandoned by the Confederate Army in New Mexico. Bieberman states that Howell never found the cannons and that he died in the early 1980s. The other principal investigator, Harold Edgerton (inventor of high speed photography) of the Massachusetts Institute of Technology, is also dead. Edgerton's connection to this project is uncertain.

Permit Issued 1971

Designated Curation Facility

Washington University, St. Louis, Missouri

Status of Collection

The collection is curated at the designated curation facility, Washington University.

NAGPRA Status

The collection reportedly contains no human skeletal remains or other items subject to NAGPRA.

NADB References

There are no references pertinent to this permit in the database.

Summary

This permit was not in the database originally supplied to the St. Louis District. Information regarding the permit was supplied by Frank

Wozniak, NAGPRA consultant for the New Mexico BLM. The permit was issued to Patty Jo Watson and Steven LeBlanc for a survey in the Las Animas Creek drainage, T14S, R7–8W and T15S, R5–7W.

Permit No. 72-NM-029

Designated Curation Facilities

Oklahoma Museum of Natural History–Stovall Museum, University of Oklahoma, Norman; Earth Sciences Observatory, University of Oklahoma, Norman

Status of Collection

This collection consists of archaeomagnetic samples, the location of which is unknown.

NAGPRA Status

The collection contains no human skeletal remains or other items subject to NAGPRA.

NADB References

No references pertaining to this permit were found in the database; however, the IPS permit database contains the following citation.

Anonymous
1972 Preliminary Report of Work Completed in the Pine Creek Area of the Navajo Reservoir under Antiquities Act Permit No. 72-NM-029. Manuscript on file, Smithsonian Institution, Washington, D.C.

Summary

This permit was issued to Robert DuBois, principal investigator, and Jeff Eighmy, project director, for work in New Mexico. The permitted project area includes the Pine Creek area of the Navajo Reservoir District. The permit database lists Sites LA-4261, LA-4266, LA-4282, and LA-4280.

Permit No. 73-NM-028

Designated Curation Facilities

Oklahoma Museum of Natural History–Stovall Museum, University of Oklahoma, Norman; Earth Sciences Observatory, University of Oklahoma, Norman

Status of Collection

This collection consists of archaeomagnetic samples, the location of which is unknown.

NAGPRA Status

The collection contains no human skeletal remains or other items subject to NAGPRA.

NADB References

No citations in the database appear to be associated with this permit.

Summary

This permit was issued to Robert DuBois, principal investigator, and Jeff Eighmy, project director, for work in New Mexico. The permitted project area included the Pine Creek area of the Navajo Reservoir District. In addition, the permit database defines the locality as Sections 7, 18, and 31 of T32N, R7W.

Permit No. 75-NM-070

Designated Curation Facility

Texas Tech Museum, Lubbock

Status of Collection

Currently at the University of Alberta, Calgary, Canada, this collection is being prepared for transfer to the Museum of New Mexico, Santa Fe, or to any curation facility designated by the BLM. Tables 9 and 10 list the artifacts recovered.

Table 9.
Site Numbers, Artifacts, and Cultural Affiliations for the Fort Stanton Mesa Survey

Site No.	Artifacts Recovered	Cultural Affiliation
75-1	prehistoric lithics, ceramics, & faunal remains (n = 13)	Mogollon—Jornada branch, Christian era (Palmillas point & Jornada brownware)
75-2	prehistoric lithics & ceramics (n = 64)	unknown
75-4	prehistoric lithics & ceramics (n = 18)	Mogollon—Jornada branch, A.D. 500–1200 (Fresno & Scallorn points)
75-5	prehistoric lithics	unknown
75-6	prehistoric lithics & ceramics; historical-period ceramics & glass (n = 115)	Mogollon—Jornada branch & historical-period (Jornada brownware; historical-period ceramics & glass)
75-7	prehistoric ceramics (n = 10)	Mogollon—Jornada branch (Jornada brownware)
75-8	prehistoric lithics & ceramics (n = 82)	Mogollon—Jornada branch (Jornada brownware)
75-10	prehistoric lithics & faunal remains (n = 7)	unknown
75-12	prehistoric lithics (n = 27)	unknown
75-13	prehistoric lithics (n = 37)	unknown
75-14	prehistoric lithics & ceramics (n = 16)	unknown
75-15	prehistoric lithics & ceramics (n = 72)	Mogollon—Jornada branch (Chupadero Black-on-white, Jornada branch)
75-16	prehistoric lithics (n = 8)	unknown
75-17	prehistoric lithics (n = 6)	unknown
75-18	prehistoric lithics & ceramics (n = 500–2,000)	Plano to Mogollon—Jornada branch (Plano point, Jornada brownware, Chupadero Black-on-white)
75-19	prehistoric lithics & ceramics (n = 40)	unknown
75-20	prehistoric lithics (n = 3)	unknown
75-21	prehistoric lithics & ceramics (n = 500–2,000)	Mogollon—Jornada branch, A.D. 100–1500 (Jornada brownware, Harrell point)

Note: Information provided by Jane H. Kelley, University of Alberta, Canada.

Table 10.
Randomly Located Sites and Artifacts Recovered from the Fort Stanton Mesa Survey

Site Number	Artifacts Recovered
R-1	prehistoric lithics, historical-period ceramics (n = 19)
R-2	prehistoric lithics (n = 2)
R-3	prehistoric lithics (n = 1)
R-4	prehistoric lithics (n = 3)
R-5	prehistoric lithics (n = 1)
R-6	prehistoric lithics (n = 6)
R-7	prehistoric lithics & ceramics (n = 6)
R-8	prehistoric lithics (n = 3)
R-9	prehistoric lithics (n = 4)

Note: Information provided by Jane H. Kelley, University of Alberta, Canada; the cultural affiliation of these sites and artifacts is unknown.

NAGPRA Status

The collection contains no human skeletal remains or other items subject to NAGPRA.

NADB References

The database contained the following reference, which may be related to this permit.

Kelley, Jane Holden
1984 The Archaeology of the Sierra Blanca Region of Southeastern New Mexico. *University of Michigan, Museum of Anthropology, Anthropological Papers*No. 74. Ann Arbor.

Summary

This permit was issued to Jane H. Kelley, project director, for a project referred to as the Fort Stanton Mesa Survey. The collection is presently

being prepared for curation at the Museum of New Mexico, Santa Fe.

Permit No. 75-NM-105

Designated Curation Facility

Grand Valley State University, Allandale, Michigan

Status of Collection

No collections were made under this permit.

NAGPRA Status

No collections were made under this permit.

NADB References

No references to this project were found in the database. Archaeological Records Management Service (ARMS), Santa Fe, New Mexico, provided the following citation.

Harrison, William M.
n.d. Report of Field Investigations: Cultural Resources on the Proposed Santa Fe Railway Corridors within McKinley County, New Mexico. ARMS Survey No. 13071. Manuscript on file, ARMS, Santa Fe, New Mexico

Summary

This permit was issued to William M. Harrison, principal investigator, and Christina Allen, project director, for survey of a proposed Santa Fe Railroad route. Site locations and artifact distributions are noted in the project report, but no artifact collections were made. The BLM and the BIA are both listed as the responsible federal land managers.

Permit No. 76-NM-027

Designated Curation Facility

Center for Archaeological Investigations, Southern Illinois University, Carbondale

Status of Collection

Artifacts collected under this permit are curated at the designated curation facility, the Center for Archaeological Investigations. No inventory is available; accession and catalog numbers have not been assigned. Approximately 4,300 artifacts, from 102 sites and 43 isolated finds, were recorded during the project; the collected materials occupy 59 boxes (63 ft^3). This collection consists primarily of surface-collected prehistoric stone tools and debitage, ceramics, and historical-period ceramics; it does not contain human skeletal remains. The cultural affiliation, based on artifact analysis (mean date A.D. 1121) and a radiocarbon date (A.D. 1050–1750), is Archaic through Basketmaker II, and historical period. Associated documentation generated by this project includes field notes, photographs, optical scan artifact inventory cards, and excavation and administrative records.

NAGPRA Status

The collection reportedly contains no human skeletal remains or other items subject to NAGPRA.

NADB References

The database contains the following reference.

Wait, Walter K., and Ben A. Nelson (editors)
1983 *The Star Lake Archaeological Project, Anthropology of a Headwaters Area of Chaco Wash, New Mexico*. Southern Illinois University Press, Carbondale, Illinois.

Summary

This permit was issued to George J. Gumerman, principal investigator, and Stephen E. Plog, project director, for work on lands in New Mexico that are administered by the BLM (Albuquerque District, Farmington Resource Area) and the BIA (Navajo Reservation). In addition, the Navajo Tribal Council is noted as concurring with the issuance of this permit. The project area is given as T19N, R5W, Sections 6–7; T19N, R6W, Sections 1–5; T20N, R6W, Sections 18–21 and 27–35; and T20N, R7W, Sections 13–15 and 22–25.

Permit No. 76-NM-099

Designated Curation Facility

Texas Tech Museum, Lubbock

Status of Collection

Currently curated at the Museum of New Mexico, Santa Fe, this collection contains surface collections from numerous sites. An inventory of this collection has not yet been compiled.

NAGPRA Status

The collection reportedly contains no human skeletal remains or other items subject to NAGPRA.

NADB References

Although Alston Thom is cited in the database for other investigations, he states that no report about this permitted project was published.

Summary

Alston Thom identified the project for Permit No. 76-NM-099 as the Santa Ana Mesa–Ojo Caliente Project that was performed for the BLM. The collection is now stored at the Museum of New Mexico. Lou Haecker, of ARMS, stated that the collection contains extensive documentation, and Thom indicated that he is still interested in completing analysis of the collection.

Permit No. 77-NM-051

Designated Curation Facility

Southern Methodist University, Dallas, Texas

Status of Collection

Southern Methodist has an agreement with the Bureau of Reclamation (BOR) to rehabilitate the Brantley Reservoir Collection. After rehabilitation, the collection will be transferred to the Museum of Indian Arts and Crafts, Laboratory of Anthropology, Santa Fe, New Mexico.

NAGPRA Status

The collection reportedly contains no human skeletal remains or other items subject to NAGPRA.

NADB References

There are six references to the Brantley Reservoir Project in the database. The reports listed were submitted to three different federal agencies; it is unclear which agency is ultimately responsible for the archaeological remains generated by the work at this reservoir.

Bousman, C. Britt
1974 *An Archaeological Reconnaissance of Brantley Reservoir.* Southern Methodist University, Dallas, Texas. Submitted to the Bureau of Reclamation, Southwest Regional Office, Amarillo, Texas.

Etchieson, Gerald M.
1983 *Archeological Survey of Additional Portions of the Brantley Project Area, Eddy County, New Mexico.* Submitted to the Bureau of Reclamation, Southwest Regional Office, Amarillo, Texas.

Gallagher, Joseph G., and Susan E. Bearden
1980 *Evaluation of Cultural Resources at Brantley Reservoir, Eddy County, New Mexico.* Department of Anthropology, Southern Methodist University, Dallas, Texas. Submitted to the NPS, Southwest Region, Santa Fe, New Mexico.

Henderson, Mark
1976 An Archaeological Inventory of Brantley Reservoir, New Mexico: Models of Regional Culture History. *Southern Methodist University Contributions in Anthropology* No. 18. Dallas.

Katz, Susana R., and Paul Katz
1985 *The Prehistory of the Carlsbad Basin, Southeastern New Mexico: Technical Report of Prehistoric Archaeological Investigations in the Brantley Project Locality.* Submitted to the Bureau of Reclamation, Southwest Regional Office, Amarillo, Texas.

Skinner, A. S, J. G. Gallagher, and S. E. Bearden
1980 *Evaluation of Cultural Resources at Brantley Reservoir, Eddy County, New Mexico.* Submitted to the U.S. Army Corps of Engineers, Albuquerque District.

Summary

This permit, which was issued to Alan S. Skinner, principal investigator, and Joseph G. Gallagher, project director, covers BLM, Roswell District, lands in Chaves, Curry, De Baca, Eddy, Guadalupe, Lea, Lincoln, Quay, and Roosevelt Counties, New Mexico. According to informants, the permit was issued for archaeological surveys of lands that were to be flooded by Brantley Reservoir.

Permit No. 77-NM-037

Designated Curation Facility

Museum of Anthropology, University of Michigan, Ann Arbor

Status of Collection

This collection is stored at the designated curation facility, the Museum of Anthropology, University of Michigan. All of the artifacts have been inventoried, and extensive analyses have been performed. Artifact inventories and the results of analyses have been published in the references cited below.

NAGPRA Status

This collection contains a fragment of human mandible subject to the provisions of NAGPRA. Because of the antiquity of the site, the curation facility has included the fragment in its inventory of culturally unaffiliated human skeletal remains. Frank Wozniak, conducting NAGPRA inquiries for the New Mexico BLM, has assumed responsibility for tracking compliance.

NADB References

Five items by John D. Speth and William J. Parry are cited in the database.

Parry, William J., and John D. Speth
1984 The Garnsey Spring Campsite: Late Prehistoric Occupation in Southeastern New Mexico. *University of Michigan, Museum of Anthropology, Technical Report* No. 15. Ann Arbor.

Speth, John D., and William J. Parry
1978 *The Garnsey Bison Kill Site, Bottomless Lakes, Chaves County, New Mexico: Preliminary Report of the 1977 Field Season.* University of Michigan, Museum of Anthropology, Ann Arbor. Submitted to the BLM, Roswell District Office, Roswell, New Mexico.

1978 *The Garnsey Bison Kill Site, Bottomless Lakes, Chaves County, New Mexico: Preliminary Report of the 1978 Field Season.* University of Michigan, Museum of Anthropology, Ann Arbor. Submitted to the BLM, Roswell District Office, Roswell, New Mexico.

1978 Late Prehistoric Bison Procurement in Southwestern New Mexico: The 1977 Season at the Garnsey Site. *University of Michigan, Museum of Anthropology, Technical Report* No. 8. Ann Arbor.

1980 Late Prehistoric Bison Procurement in Southeastern New Mexico: The 1978 Season at the Garnsey Site (LA-18399). *University of Michigan, Museum of Anthropology, Technical Report* No. 12. Ann Arbor.

Summary

This permit was issued to John D. Speth for work at the Garnsey Bison Kill site (LA-18399) and the Garnsey Spring Camp site (LA-18400). Both sites are located in Chaves County near Roswell, New Mexico. Excavations, which were conducted in 1977 and 1978, produced an extensive collection of faunal remains, stone tools, and debitage that has been analyzed and the results published in the Museum of Anthropology, University of Michigan, Technical Report series.

Permit No. 77-NM-082

Designated Curation Facility

Columbia University, New York

Status of Collection

The location of the artifacts from this collection is unknown; however, some of the human skeletal

remains are at the Fowler Museum of Cultural History, University of California, Los Angeles.

NAGPRA Status

The collection contains human skeletal remains, which are curated at the Fowler Museum. It is unknown whether any other items subject to NAGPRA are in the collection. Frank Wozniak, conducting NAGPRA inquiries for the New Mexico BLM, assumed responsibility for seeking further information regarding this collection.

NADB References

No references relevant to this permit could be identified in the database.

Summary

Terence D'Altroy believes that the materials collected under this permit are included in a collection that he referred to as the Animas Collection. The only information relevant to the permit available in the permit database is that the location of the permitted activities was within the Las Cruces District of the BLM, in New Mexico.

Permit No. 79-NM-104

Designated Curation Facility

Museum of Anthropology, University of Michigan, Ann Arbor

Status of Collection

No collection was made under this permit.

NAGPRA Status

No collection was made under this permit.

NADB References

No references in the database appear to be associated with this permit.

Summary

The permit file states that John D. Speth, project director, was issued this permit for work at Site LA-2707, which was originally recorded in 1953. Although a permit was requested, fieldwork for this project was dependent on National Science Foundation funding, which was not received. As a result, no fieldwork was conducted or collection made under this permit.

Permit Issued 1981

Designated Curation Facility

University of Tulsa, Oklahoma

Status of Collection

No collection was made under this permit.

NAGPRA Status

No collection was made under this permit.

NADB References

The database contained the following reference to this permitted activity.

Whalen, Michael E.
1981 *Archaeological Investigations at the Bruton Bead Site (NM-030-092) Final Report.* Laboratory of Archaeology, University of Tulsa, Tulsa, Oklahoma. Submitted to the Office of Research, University of Tulsa, Tulsa, Oklahoma.

Summary

This permit was not in the database originally supplied to the St. Louis District. Information regarding the permit was supplied by Frank Wozniak, NAGPRA consultant for the New Mexico BLM. The permit was issued to Michael E. Whalen of the University of Tulsa for excavations at the Bruton Bead site (NM-030-092) in 1981. According to Dr. Whalen, no collections were made at the site.

Permit No. 81-NM-199

Designated Curation Facility

Museum of Anthropology, University of Michigan, Ann Arbor

Status of Collection

The collection is at the designated curation facility, the Museum of Anthropology, University of Michigan.

NAGPRA Status

Curation facility staff reviewed the collection and determined it contains no items subject to NAGPRA.

NADB References

The following reference is directly related to permitted activities.

Wills, Wirt H.
1982 *Preliminary Report of the 1981 University of Michigan Museum of Anthropology Research at Bat Cave*. Submitted to the BLM, New Mexico State Office, Santa Fe. Museum of Anthropology, University of Michigan, Ann Arbor.

Summary

This permit, and the following permit, were issued to Richard Ford, principal investigator, and John D. Speth and Wirt H. Wills, project directors, for work conducted at the Bat Cave site (LA-4935). The permit file defines the project locality as the NW ¼ of Section 20, T6S, R13W, Catron County, New Mexico.

Permit No. 83-NM-205

Designated Curation Facility

Museum of Anthropology, University of Michigan, Ann Arbor

Status of Collection

The collection is at the designated curation facility, the Museum of Anthropology, University of Michigan.

NAGPRA Status

Curation facility staff reviewed the collection and determined it contains no items subject to NAGPRA.

NADB References

No references appear to be specifically linked to this permit; see the entry for the previous permit.

Summary

This permit was issued to Richard Ford, principal investigator, and John D. Speth and Wirt H. Wills, project directors, for work conducted at the Bat Cave site (LA-4935). The permit file defines the project locality as the NW ¼ of Section 20, T6S, R13W, Catron County, New Mexico.

North Carolina

Permit No. 75-NC-093

Designated Curation Facilities

North Carolina Museum of History, Greenville; Fort Fisher, Raleigh, North Carolina

Status of Collection

No collection was made under this permit.

NAGPRA Status

No collection was made under this permit.

NADB References

No references were identified that appear to be associated with this permit.

Summary

This permit was intended for survey of the wreckage of the vessel *Peterhof;* however, the project was never conducted.

Oklahoma

Permit No. 77-OK-265 (Originally 77-OK-800)

Designated Curation Facility

Museum of the Red River, Idabel, Oklahoma

Status of Collection

No collection was made under this permit.

NAGPRA Status

No collection was made under this permit.

NADB References

No references in the database were located that appeared to be associated with this permit.

Summary

According to William Bennett, the permit application was made in anticipation of conducting surveys and testing on BLM properties in connection with coal-mining permits. The Museum of the Red River failed to obtain any of these Section 106 contracts. It is uncertain whether a permit was ever actually issued.

Permit No. 78-OK-287 (Originally 78-OK-607)

Designated Curation Facilities

Oklahoma Museum of Natural History–Stovall Museum, Norman

Status of Collection

The status of this collection is unknown; since the permit file did not contain a copy of the issued permit, it is possible that this database entry represents a permit application and that no permit was issued.

NAGPRA Status

The NAGPRA status of this collection is unknown; it is possible that this database entry represents a permit application and that no permit was issued.

NADB References

No citations in the database appear to be associated with this permit.

Summary

The permit was issued to C. Britt Bousman, principal investigator, and Annetta L. Cheek, project director, of Archeological Research Associates, Tulsa, Oklahoma. According to the Oklahoma State Archeologist, this company failed, and the collections in their possession were moved to the Oklahoma Museum of Natural History. The locational description of the project area indicates that the permit was intended for surveys on federal coal reserves in southeastern Oklahoma. Atoka, Coal, Haskell, Latimer, Le Flore, and Pittsburg Counties are named in the permit application.

Permit No. 79-OK-076

Designated Curation Facilities

Oklahoma Museum of Natural History–Stovall Museum, Norman

Status of Collection

The status of this collection is unknown; the collection identified by Julie Droke cannot have been recovered under this permit.

NAGPRA Status

The NAGPRA status of this collection is unknown.

NADB References

No citations in the database appear to be associated with this permit.

Summary

This permit was issued to Annetta L. Cheek and C. Britt Bousman of Archeological Research Associates, Tulsa, Oklahoma. According to Robert Brooks, this company is no longer in business, and the collections formerly in their possession have been moved to the Oklahoma Museum of Natural History. The locational description of the project area indicates that the permit was intended for surveys in Atoka, Coal, Haskell,

Latimer, Le Flore, and Pittsburg Counties, Oklahoma. It also includes the notation, "Control # 050-OK/79-203."

Permit No. 79-OK-330 (Originally 79-OK-685)

Designated Curation Facilities

Oklahoma Museum of Natural History–Stovall Museum, Norman, Oklahoma

Status of Collection

No collections appear to have been made under this permit. Marcia Tate stated that her company (Powers Elevation Co., Inc.) had not conducted any projects in Oklahoma. In addition, the designated curation facility could not identify any collections that originated from work performed by Powers Elevation, Co., Inc., or any of the named individuals. Since the permit file did not contain a copy of the issued permit, it is possible that this database entry represents a permit application and that no permit was issued.

NAGPRA Status

The NAGPRA status of this collection is unknown; it is possible that this database entry represents a permit application and that no permit was issued.

NADB References

No citations in the database appear to be associated with this permit.

Summary

The permit was applied for by George Lapaseotes, principal investigator, and Michael D. Metcalf, project director, of Powers Elevation Co., Inc., Denver, Colorado. The locational description states that the permit was intended for "general consulting work" on BLM lands in Oklahoma.

Texas

Permit No. 76-TX-255 (Originally 76-TX-653)

Designated Curation Facility

Galveston Historical Foundation, Galveston, Texas

Status of Collection

No collection was made under this permit.

NAGPRA Status

No collection was made under this permit.

NADB References

No citations corresponding to this permit were located in the database.

Summary

This permit was issued for investigations to locate the wreck of the USS *Hatteras*. Galveston Historical Foundation curator Betty Massey researched the results of the project, and she stated that the activities under this permit consisted of one dive on a shipwreck that could not be identified. According to Massey, no collections were made during the dive.

Utah

Permit Issued January 26, 1968

Designated Curation Facility

SUNY, Binghamton

Status of Collection

The archaeological materials collected as a result of this permitted activity are located at Washington State University, Pullman. Responsibility for tracking compliance was transferred to Garth Portillo of the Utah BLM, by direction of the Office of the National Curator, BLM, Washington, D.C.

NAGPRA Status

The NAGPRA status of this collection is unknown.

NADB References

No references specific to this permit could be identified in the database; however, see the citations for Permit Nos. 69-UT-173 and 70-UT-048.

Summary

This permit was issued to L. E. Sweet, principal investigator, and William D. Lipe, project director, for excavations in Utah. The locational description of the project area is San Juan County, R17–18E, T33–34S, Sections 1–6; R17E, T38S, Sections 25–26; R18E, T38S, Sections 29–32; R15E, T40S, Sections 1–2 and 11–13; R16E, T38–40S, Sections 1–12; and R17–19E, T36–40S. The area described is similar to the area listed for the following three permits and is in the Grand Gulch region of Utah.

Permit No. 69-UT-173

Designated Curation Facility

SUNY, Binghamton

Status of Collection

The archaeological materials collected as a result of this permitted activity are located at Washington State University, Pullman. Responsibility for tracking compliance was transferred to Garth Portillo of the Utah BLM, by direction of the Office of the National Curator, BLM, Washington, D.C.

NAGPRA Status

The NAGPRA status of this collection is unknown; responsibility for tracking compliance was transferred to Garth Portillo of the Utah BLM, by direction of the Office of the National Curator, BLM, Washington, D.C.

NADB References

The database cites the following reference, which is associated with this permit. In addition, the permit database notes that a copy of the report is in the permit file.

Lipe, William D.
1969 *Report on Archeological Work in the Grand Gulch Region, Southeastern Utah, 1969.* SUNY, Binghamton. Submitted to the Museum of Northern Arizona, Flagstaff, Arizona, and the National Geographic Society, Washington, D.C.

Summary

This permit was issued to Richard U. Moench, principal investigator, and William D. Lipe, project director. The locational description is given as R16E, T38–T39S; R17E, T37–T39S; and R18E, T37–T39S in San Juan County, Utah, excluding lands in Natural Bridges National Monument. As indicated by the citations above, the locality was Grand Gulch.

Permit No. 70-UT-048

Designated Curation Facility

SUNY, Binghamton

Status of Collection

The archaeological materials collected as a result of this permitted activity are located at Washington State University, Pullman. Responsibility for tracking compliance was transferred to Garth Portillo of the Utah BLM, by direction of the Office of the National Curator, BLM, Washington, D.C.

NAGPRA Status

The NAGPRA status of this collection is unknown; responsibility for tracking compliance was transferred to Garth Portillo of the Utah BLM, by direction of the Office of the National Curator, BLM, Washington, D.C.

NADB References

The database contains the following reference that might be associated with this permit.

Lipe, William D., R. G. Matson, and M. Powers
1970 *Archeological Investigations, Bureau of Land Management, Moab District, San Juan County, Utah Contract No. Ya-512-Ct6-200.* Museum of Northern Arizona, Flagstaff, Arizona.

Summary

This permit was issued to Robert Melville, principal investigator, and William D. Lipe for work in the Grand Gulch region, San Juan County, Utah. Locational information is identical to both the previous permit, No. 69-UT-173, and the following permit, No. 70-UT-049. The reason for the duplication of permits in 1970 is unknown.

Permit No. 70-UT-049

Designated Curation Facility

SUNY, Binghamton

Status of Collection

The archaeological materials collected as a result of this permitted activity are located at Washington State University, Pullman. Responsibility for tracking compliance was transferred to Garth Portillo of the Utah BLM, by direction of the Office of the National Curator, BLM, Washington, D.C.

NAGPRA Status

The NAGPRA status of this collection is unknown; responsibility for tracking compliance was transferred to Garth Portillo of the Utah BLM, by direction of the Office of the National Curator, BLM, Washington, D.C.

NADB References

See the entry for Permit No. 70-UT-048.

Summary

This permit was issued to Robert Melville, principal investigator, and William D. Lipe for work in the Grand Gulch region, San Juan County, Utah. The locational description is identical to the two previous permits, Nos. 69-UT-173 and 70-UT-048. The reason for the duplication of permits in 1970 is unknown.

Wyoming

Permit No. 76-WY-260 (Originally 76-WY-811)

Designated Curation Facility

Chadron State College, Chadron, Nebraska

Status of Collection

The status of this collection is unknown; there are no collections at the designated curation facility, and no collections could be associated with the permit.

NAGPRA Status

The NAGPRA status of this collection is unknown; there are no collections at the designated curation facility, and no collections could be associated with the permit.

NADB References

A review of the database indicates that Larry Agenbroad, principal investigator, was active in Wyoming CRM work (see bibliography below).

Summary

This permit appears to be a multistate, blanket permit for CRM contracts. The permit was issued to Edwin C. Nelson, principal investigator, and Larry Agenbroad, project director, for work on BLM-administered lands in Nebraska, Kansas, and Wyoming.

Permit No. 77-WY-028

Designated Curation Facility

Chadron State College, Chadron, Nebraska

Status of Collection

The status of this collection is unknown; no collections could be associated with this permit.

NAGPRA Status

The NAGPRA status of this collection is unknown; no collections could be associated with this permit.

NADB References

A review of the database indicates that Larry Agenbroad, principal investigator, was active in Wyoming CRM work (see bibliography below).

Summary

This permit appears to be a multistate, blanket permit for CRM contracts. The permit database indicates that the permit was issued to Edwin C. Nelson, principal investigator, and Larry Agenbroad, project director, for work on BLM-administered lands in Nebraska and Wyoming.

Permit No. 78-WY/NE/KS-044

Designated Curation Facility

Chadron State College, Chadron, Nebraska

Status of Collection

The status of this collection is unknown; no collections could be associated with this permit.

NAGPRA Status

The NAGPRA status of this collection is unknown; no collections could be associated with this permit.

NADB References

A review of the database indicates that Larry Agenbroad, principal investigator, was active in Wyoming CRM work (see bibliography below).

Summary

This permit appears to be a multistate, blanket permit for CRM contracts. The permit database indicates that the permit was issued to Edwin C. Nelson, principal investigator, and Larry Agenbroad, project director, for work on BLM-administered lands in Nebraska, Kansas, and Wyoming.

Bibliography for Chadron State College Permits

Larry Agenbroad

1977 *Preliminary Report of the Archaeological Survey for Well Locations 38-27-G, 48-27-G, 83-21-G, 38-15-G, 28-15-G, 83-28-G, Crook County, Wyoming*. Department of Earth Sciences, Chadron State College, Chadron, Nebraska. Submitted to Planet Engineering, Denver.

1978 *Report of the Environmental Impact—Archaeological Survey for Well Locations 27-3-G, 28-3-G, Crook County, Wyoming*. Department of Earth Sciences, Chadron State College, Chadron, Nebraska. Submitted to Planet Associates, Denver.

1978 *Letter Report: Archaeological Environmental Impact Survey*. Chadron State College, Chadron, Nebraska. Submitted to the J. M. Huber Corporation.

1978 *Archeological Environmental Impact Survey*. Chadron State College, Chadron, Nebraska. Submitted to the Marathon Oil Company, Casper, Wyoming.

1978 *Archaeological Environmental Impact Survey, Anderson Oil, Campbell County, Wyoming*. Chadron State College, Chadron, Nebraska. Submitted to Anderson Oil, Mills, Wyoming.

1978 *Archaeological Environmental Impact Survey, Atlantic Oil Corporation, Weston County, Wyoming*. Chadron State College, Chadron, Nebraska. Submitted to the Atlantic Oil Corporation.

1978 *Letter Report: Archeological-Environmental Impact Survey on Antelope Creek #1-30*. Chadron State College, Chadron, Nebraska. Submitted to the Marathon Oil Company, Casper, Wyoming.

1979 *Archaeological/Histo-Environmental Impact Survey Portions of Niobrara and Goshen Counties, Wyoming, Chicago and Northwestern Railroad: Proposed Alignment for Madison International, Cleveland, Ohio*. Northern Arizona University, Flagstaff. Submitted to Madison International, Cleveland, Ohio.

4

NAGPRA-Research Findings

The results of the permit inquiries indicated that there are 10 curation facilities storing human skeletal remains excavated from BLM-administered lands (Table 11). Of the 10 collections, two have been inventoried, three have been turned over to BLM representatives in New Mexico, the status of three could not be determined, and two remain to be inventoried.

The largest collection (from Alaska, permit issued July 9, 1940, and renewed April 11, 1941) is at the AMNH. This collection consists of the human skeletal remains of approximately 696 individuals and 1,462 associated funerary objects. The inventory of this collection is in Appendix 4. In addition to the human skeletal remains and objects at the AMNH, there are additional artifacts at the University of Alaska Museum and, apparently, at the Danish National Museum. A second collection at the AMNH, identified by Frank Wozniak, also contains human skeletal remains. Collected in 1921 by Clark Wissler, the latter collection contains 70 catalog numbers of human skeletal remains and artifacts from Colorado, and has not been inventoried. (*Editor's note:* The AMNH has since inventoried this collection.)

The Haffenreffer is curating the human skeletal remains of 54 individuals, 168 associated funerary objects, and 351 unassociated funerary objects from Alaska. These human skeletal remains and objects were collected under a number of permits. Due to the lack of accession records on some of the human skeletal remains, it is uncertain when they were excavated. The inventory of human skeletal remains and funerary objects is contained in Appendix 5; the extensive bibliography generated by the excavations is contained in Appendix 6.

A collection (from Alaska, permit covering the period 1948–1951) containing human remains that was designated to be curated at the Field Museum of Natural History is stored at the University of Alaska Museum. According to the latter institution, the collection, made in the Aleutian Islands, is being held in trust for the Aleut Native Corporation. Since it is being held in trust, the collection has reportedly not been inventoried and, thus, the contents are unknown. However, citations in NADB indicate that a large quantity of literature has been published on the permitted excavations. This literature should provide an indication of the contents of the collection. The University of Alaska Museum is also a designated curation facility for a permit that produced human skeletal remains. The Smithsonian Institution, which has not responded to our inquiries, is named as another curation facility for the same permit. The permit file (for Alaska, permit issued May 19, 1960) notes that human skeletal remains were excavated, but their quantity and location are unknown.

The University of Connecticut is designated as a curation facility for three collections (70-AK-040, 73-AK-061, and 74-AK-024) potentially containing human skeletal remains. These collections are presently being prepared for repatriation to Native Alaskan organizations under previously existing agreements. The human skeletal remains collected by the principal investigator, William S. Laughlin, were returned to Alaska and reinterred in Native Alaskan ceremonies in 1988, prior to passage of NAGPRA.

A fragment of human skeletal material from the Payne site has been tentatively identified in a collection at Wichita State University

Table 11.
Curation Facilities Holding Collections that Contain NAGPRA Items

Curation Facility	Collection(s)	NAGPRA Items
American Museum of Natural History	Point Hope, Alaska; La Plata, Colorado	Point Hope: 696 remains, 1,462 funerary objects; La Plata: approx. 70
Field Museum of Natural History	Bank Collection (at Univ. of Alaska Museum)	unknown (held in trust for Aleut Corp.)
Fowler Museum of Cultural History	Columbia Univ. was the designated curation facility.	unknown (responsibility assumed by BLM, New Mexico)
Haffenreffer Museum of Anthropology	Cape Krusenstern, Onion Portage, Ambler River, Alaska	54 remains, 519 funerary objects
Peabody Museum of Natural History, Yale Univ.	Cook's Inlet, Alaska	2+ remains
Smithsonian Institution/ Univ. of Alaska Museum	Hot Springs Site, Port Moller, Alaska	unknown (neither facility responded to inquiries)
Univ. of Connecticut, Storrs	Aleutians (Anangula, Chaluka)	unknown; repatriated
Museum of Anthropology, Univ. of Michigan	Garnsey site, New Mexico	1 mandible fragment (responsibility assumed by BLM, New Mexico)
Univ. of Pennsylvania Museum	Edgar Howard Collection, New Mexico	unknown (responsibility assumed by BLM, New Mexico)
Wichita State University	Payne Site, Colorado	1 bone fragment

(74-CO-028). These remains have not yet been inventoried. The Museum of Anthropology, University of Michigan, has a single human mandible fragment (77-NM-037). The curation facility has already included the remains in their NAGPRA inventory as culturally unaffiliated. Two additional collections from New Mexico contain human skeletal remains. The Fowler Museum of Cultural History, Los Angeles, California, is in possession of human skeletal remains excavated under Permit No. 77-NM-082. Columbia University was originally designated as the curation facility. The third collection for New Mexico, collected by Edgar B. Howard in the 1930s, is at the University of Pennsylvania. Frank Wozniak, who is conducting NAGPRA inquiries for the New Mexico BLM, has assumed responsibility for monitoring NAGPRA compliance for these collections. Finally, a collection (from Alaska, permit issued June 11, 1931) from Cook's Inlet, Alaska, containing the human skeletal remains of two or more individuals is curated at the Peabody Museum of Natural History, Yale University. The curation facility has already included these human skeletal remains in their inventory process and will accept responsibility for NAGPRA compliance.

5

Issues and Recommendations

During the project, several curation and collections-management issues were raised. General issues include the permit record-keeping process and the comprehensiveness of the Antiquities Act permits, land status and ownership, and the federal agency-museum relationship. Specific issues concern institutions that failed to respond to inquiries, collections that have been transferred to other institutions, and NAGPRA compliance.

General BLM Collections Issues

The Permit Database

Several complicating factors became apparent when examining the permit database. Permits were often issued for large areas under the jurisdiction of multiple land-management agencies. Therefore, it would be uncertain whether the collection was made on BLM or, for example, USFWS lands. In such cases it was decided to assume BLM responsibility for any collections made under the permit. Also, few permits were listed beyond 1985. This reflects the change in permitting procedures that occurred in 1984 after which permitting was decentralized. Finally, the comprehensiveness of the database was questionable. However, limited funding prohibited other alternatives, and the database provided an existing and viable starting point.

Changes in Land Status

The BLM's task in collections management is complicated by constant, significant changes in land status both in the past and today. Lands have been regularly conveyed to and from BLM, withdrawn from the public domain, and occasionally returned to BLM's jurisdiction at a later date. In 1994–1995 alone, 2,623,986 acres were removed from the public domain. Therefore, to accurately and consistently identify collections for which the BLM is responsible would require a comprehensive review of land status at the time each collection was made.

An example of the complications involved are the collections from Cape Krusenstern, Alaska (see Appendix 5). These collections were made while the land was within the public domain and, therefore, BLM's responsibility. The lands have since been withdrawn to establish a national park. Any collections obtained subsequently would be the responsibility of the NPS.

Collection Ownership

While it is the BLM's position that non-federally curated collections remain under federal ownership, the history of archaeological investigations has created a need for sensitivity in addressing museums' concerns. In the past, federal agencies have practiced a policy best viewed as benign neglect. Museums have curated collections, largely without compensation, viewing them as teaching and research resources. In turn,

they were little troubled by requests for information by agencies. However, with the passage of NAGPRA, agencies are taking an active interest in collections that curation facilities often view with a proprietary interest. Increased reporting requirements and the need to identify affected collections have raised concerns with curation facilities regarding the issues of ownership and responsibility. During the course of the project, enquiries were often met with concern. Curation facilities were worried either that they would lose valuable collections or that they would be burdened with costs to comply with NAGPRA for federally owned collections. The importance of partnerships between the federal government and museums will require delicate handling to ensure the development of mutually satisfactory and beneficial arrangements.

Specific Project Issues

The most immediate issue, of course, is the completion of the necessary NAGPRA inventories. The inventories of the Point Hope collections at the AMNH and the collections at the Haffenreffer are completed and are provided in Appendixes 4 and 5, respectively. The collection of human skeletal remains from the La Plata River area of Colorado has, at the time of writing, been completed by the AMNH staff. It will be necessary to obtain the results of this inventory, or to coordinate with the museum to further the NAGPRA process. The possible human bone fragment at Wichita State University has not yet been identified or inventoried. Finally, six curation facilities are including BLM collections in their NAGPRA inventories. These institutions should be contacted, and the repatriation process at each should be monitored.

As noted in Chapter 3, some permits and collection inquiries remain unresolved. Five of these were from the Smithsonian Institution. The BLM will have to negotiate with that facility for further information. Seven collections, and part of an eighth, that were to have been curated at the University of Pennsylvania could not be located. Locating these collections may require additional effort and coordination with the University of Pennsylvania.

Finally, one of the reasons for the Interagency Agreement was to assist the BLM with 36 CFR Part 79 compliance. Several issues relating to the curation regulations arose during the project. First, many institutions were unaware that their collections originated from BLM-administered lands. Second, many of the facilities contacted could not provide information on the contents of the collections, i.e., an inventory. Both of these factors indicate inadequate record keeping. The fact that some of the collections have been transferred from their designated curation facility to another facility without notification of the appropriate BLM officials also indicates a breakdown in the management of the collections. Though most collections are properly cared for, some are being stored in inadequate facilities. For example, collections designated to be curated at the SUNY, Brockport were, at the time of writing, stored in the principal investigator's garage. He has, however, hired an assistant to catalog and prepare the collections for curation. Without visiting the facilities, it is unknown how many other collections are stored in environments that fail to meet the requirements of 36 CFR Part 79. This is a long-term issue that all federal agencies must address with regard to museum collections that requires extensive resources (funding and personnel) not available to most agencies. Without prioritization and increases in resources by both Congress and the individual agencies, this will remain an unresolved issue.

APPENDIX 1

NAGPRA Legislation and Regulations

Public Law 101-601
101st Congress

An Act

To provide for the protection of Native American graves, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

SECTION 1. SHORT TITLE.

This Act may be cited as the "Native American Graves Protection and Repatriation Act."

SEC. 2. DEFINITIONS.

For purposes of this Act, the term—

(1) "burial site" means any natural or prepared physical location, whether originally below, on, or above the surface of the earth, into which as a part of the death rite or ceremony of a culture, individual human remains are deposited.

(2) "cultural affiliation" means that there is a relationship of shared group identity which can be reasonably traced historically or prehistorically between a present day Indian tribe or Native Hawaiian organization and an identifiable earlier group.

(3) "cultural items" means human remains and—

(A) "associated funerary objects" which shall mean objects that, as a part of the death rite or ceremony of a culture, are reasonably believed to have been placed with individual human remains either at the time of death or later, and both the human remains and associated funerary objects are presently in the possession or control of a Federal agency or museum, except that other items exclusively made for burial purposes or to contain human remains shall be considered as associated funerary objects.

(B) "unassociated funerary objects" which shall mean objects that, as a part of the death rite or ceremony of a culture, are reasonably believed to have been placed with individual human remains either at the time of death or later, where the remains are not in the possession or control of the Federal agency or museum and the objects can be identified by a preponderance of the evidence as related to specific individuals or families or to known human remains or, by a preponderance the evidence, as having been removed from a specific burial site of an individual culturally affiliated with a particular Indian tribe,

(C) "sacred objects" shall mean specific ceremonial objects which are needed by traditional Native American religious leaders for the practice of traditional Native American religions by their present day adherents, and

(D) "cultural patrimony" which shall mean an object having ongoing historical, traditional, or cultural importance central to the Native American group or culture itself, rather than property owned by an individual Native American, and which, therefore, cannot be alienated, appropriated, or conveyed by any individual regardless of whether or not the individual is a member of the Indian tribe or Native Hawaiian organization and such object shall have been considered inalienable by such Native American group at the time the object was separated from such group.

(4) "Federal agency" means any department, agency, or instrumentality of the United States. Such term does not include the Smithsonian Institution.

(5) "Federal lands" means any land other than tribal lands which are controlled or owned by the United States, including lands selected by but not yet conveyed to Alaska Native Corporations and groups organized pursuant to the Alaska Native Claims Settlement Act of 1971.

(6) "Hui Malama I Na Kupuna 0 Hawai'i Nei" means the nonprofit, Native Hawaiian organization incorporated under the laws of the State of Hawaii by that name on April 17, 1989, for the purpose of providing guidance and expertise in decisions dealing with Native Hawaiian cultural issues, particularly burial issues.

(7) "Indian tribe" means any tribe, band, nation, or other organized group or community of Indians, including any Alaska Native village (as defined in, or established pursuant to, the Alaska Native Claims Settlement Act), which is recognized as eligible for the special programs and services provided by the United States to Indians because of their status as Indians.

(8) "museum" means any institution or State or local government agency (including any institution of higher learning) that receives Federal funds an has possession of, or control over, Native American cultural items. Such term does not include the Smithsonian Institution or any other Federal agency.

(9) "Native American" means of, or relating to, a tribe, people, or culture that is indigenous to the United States.

(10) "Native Hawaiian" means any individual who is a descendant of the aboriginal people who, prior to 1778, occupied and exercised sovereignty in the area that now constitutes the State of Hawaii.

(11) "Native Hawaiian organization" mean any organization which—

(A) serves and represents the interests of Native Hawaiians,

(B) has as a primary and stated purpose the provision of services to Native Hawaiians, and

(C) has expertise in Native Hawaiian Affairs, and shall include the Office of Hawaiian Affairs and Hui Malama I Na Kupuna 0 Hawai'i Nei.

(12) "Office of Hawaiian Affairs" means the Office of Hawaiian Affairs established by the constitution of the State Hawaii.

(13) "right of possession" means possession obtained with the voluntary consent of an individual or group that had authority of alienation. The original acquisition of a Native American unassociated funerary object, sacred object or object of cultural patrimony from an Indian tribe or Native Hawaiian organization with the voluntary consent of an individual or group with authority to alienate such object is deemed to give right of possession of that object, unless the phrase so defined would, as applied in section 7(c), result in a Fifth Amendment taking by the United States as determined by the United States Claims Court pursuant to 28 U.S.C. 1491 in which event the "right of possession" shall be as provided under otherwise applicable property law. The original acquisition of Native American human remains and associated funerary objects which were excavated, exhumed, or otherwise obtained with full knowledge and consent of the next of kin or the official governing body of the appropriate culturally affiliated Indian tribe or Native Hawaiian organization is deemed to give right of possession to those remains.

(14) "Secretary" means the Secretary of the Interior.

(15) "tribal land" means—

(A) all lands within the exterior boundaries of any Indian reservation;

(B) all dependent Indian communities;

(C) any lands administered for the benefit of Native Hawaiians pursuant to the Hawaiian Homes Commission Act, 1920, and section 4 of Public Law 86-3.

SEC. 3. OWNERSHIP.

(a) NATIVE AMERICAN HUMAN REMAINS AND OBJECTS.—The ownership or control of Native American cultural items which are excavated or discovered on Federal or tribal lands after the date of enactment of this Act shall be (with priority given in the order listed)—

(1) in the case of Native American human remains and associated funerary objects, in the lineal descendants of the Native American; or

(2) in any case in which such lineal descendants cannot be ascertained, and in the case of unassociated funerary objects, sacred objects, and objects of cultural patrimony—

(A) in the Indian tribe or Native Hawaiian organization on whose tribal land such objects or remains were discovered;

(B) in the Indian tribe or Native Hawaiian organization which has the closest cultural affiliation with such remains or objects and which, upon notice, states a claim for such remains or objects; or

(C) if the cultural affiliation of the objects cannot be reasonably ascertained and if the objects were discovered on Federal land that is recognized by a final judgment of the Indian Claims Commission or the United States Court of Claims as the aboriginal land of some Indian tribe—

(1) in the Indian tribe that is recognized as aboriginally occupying the area in which the objects were discovered, if upon notice, such

tribe states a claim for such remains or objects, or

(2) if it can be shown by a preponderance of the evidence that a different tribe has a stronger cultural relationship with the remains or objects than the tribe or organization specified in paragraph (1), in the Indian tribe that has the strongest demonstrated relationship, if upon notice, such tribe states a claim for such remains or objects.

(b) UNCLAIMED NATIVE AMERICAN HUMAN REMAINS AND OBJECTS.—Native American cultural items not claimed under subsection (a) shall be disposed of in accordance with regulations promulgated by the Secretary in consultation with the review committee established under section 8, Native American groups, representatives of museums and the scientific community.

(c) INTENTIONAL EXCAVATION AND REMOVAL OF NATIVE AMERICAN HUMAN REMAINS AND OBJECTS.—The intentional removal from or excavation of Native American cultural items from Federal or tribal lands for purposes of discovery, study, or removal of such items is permitted only if—

(1) such items are excavated or removed pursuant to a permit issued under section 4 of the Archaeological Resources Protection Act of 1979 (93 Stat. 721; 16 U.S.C. 470aa *et seq.*) which shall be consistent with this Act;

(2) such items are excavated or removed after consultation with or, in the case of tribal lands, consent of the appropriate (if any) Indian tribe or Native Hawaiian organization;

(3)the ownership and right of control of the disposition of such items shall be as provided in subsections (a) and (b); and

(4) proof of consultation or consent under paragraph (2) is shown.

(d) INADVERTENT DISCOVERY OF NATIVE AMERICAN REMAINS AND OBJECTS.—(1) Any person who knows, or has reason to know, that such person has discovered Native American cultural items on Federal or tribal lands after the date of enactment of this Act shall notify, in writing, the Secretary of the Department, or head of any other agency or instrumentality of the United States, having primary management authority with respect to Federal lands and the appropriate Indian tribe or Native Hawaiian organization with respect to tribal lands, if known or readily ascertainable, and, in the case of lands that have been selected by an Alaska Native Corporation or group organized pursuant to the Alaska Native Claims Settlement Act of 1971, the appropriate corporation or group. If the discovery occurred in connection with an activity, including (but not limited to) construction, mining, logging, and agriculture, the person shall cease the activity in the area of the discovery, make a reasonable effort to protect the items discovered before resuming such activity, and provide notice under this subsection. Following the notification under this subsection, and upon certification by the Secretary of the department or the head of any agency or instrumentality of the United States or the appropriate Indian tribe or Native Hawaiian organization that notification has been received, the activity may resume after 30 days of such certification.

(2) The disposition of and control over any cultural items excavated or removed under this subsection shall be determined as provided for in this section.

(3) If the Secretary of the Interior consents, the responsibilities (in whole or in part) under paragraphs (1) and (2) of the Secretary of any department (other than the Department of the Interior) or the head of any other agency or instrumentality may be delegated to the Secretary with respect to any land managed by such other Secretary or agency head.

(e) RELINQUISHMENT. Nothing in this section shall prevent the governing body of an Indian tribe or Native Hawaiian organization from expressly relinquishing control over any Native American human remains, or title to or control over any funerary object, or sacred object.

SEC. 4. ILLEGAL TRAFFICKING.

(a) ILLEGAL TRAFFICKING.—Chapter 53 of title 18, United States Code, is amended by adding at the end thereof the following new section:

"§1170. Illegal Trafficking In Native American Human Remains and Cultural Items

"(a) Whoever knowingly sells, purchases, uses for profit, or transports for sale or profit, the human remains of a Native American without the right of possession to those remains as provided in the Native American Graves Protection and Repatriation Act shall be fined in accordance with this title, or imprisoned not more than 12 months, or both, and in the case of a second or subsequent violation, be fined in accordance with this title, or imprisoned not more than 5 years, or both.

"(b) Whoever knowingly sells, purchases, uses for profit, or transports for sale or profit any Native American cultural items obtained in violation of the Native American Grave Protection and Repatriation Act shall be fined in accordance with this title, imprisoned not more than one year, or both, and in the case of a second or subsequent violation, be fined in accordance with this title, imprisoned not more than 5 years, or both."

(b) TABLE OF CONTENTS.—The table of contents for chapter 53 of title 18, United States Code, is amended by adding at the end thereof the following new item:

"§1170. Illegal Trafficking In Native American Human Remains and Cultural Items."

SEC. 5. INVENTORY FOR HUMAN REMAINS AND ASSOCIATED FUNERARY OBJECTS.

(a) IN GENERAL.—Each Federal agency and each museum which has possession or control over holdings or collections of Native American human remains and associated funerary objects shall compile and inventory of such items and, to the extent possible based on information possessed such museum or Federal agency, identify the geographical and cultural affiliation of such item.

(b) REQUIREMENTS.—(1) The inventories and identifications required under subsection (a) shall be—

(A) completed in consultation with tribal government and Native Hawaiian organization officials and traditional religious leaders;

(B) completed by not later than the date that is 5 years after the date of enactment of thus Act, and

(C) made available both during the time they are being conducted and afterward to a review committee established under section 8.

(2) Upon request by an Indian tribe or Native Hawaiian organization which receives or should have received notice, a museum or Federal agency shall supply additional available documentation to supplement the information required by subsection (a) of this section. The term "documentation" means a summary of existing museum or Federal agency records, including inventories or catalogues, relevant studies, or other pertinent data for the limited purpose of determining the geographical origin, cultural affiliation, and basic facts surrounding acquisition and accession of Native American human remains and associated funerary objects subject to this section. Such term does not mean, and this Act shall not be construed to be an authorization for, the initiation of new scientific studies of such remains and associated funerary objects or other means of acquiring or preserving additional scientific information from such remains and objects.

(c) EXTENSION OF TIME FOR INVENTORY.—Any museum which has made a good faith effort to carry out an inventory and identification under this section, but which has been unable to complete the process, may appeal to the Secretary for an extension of the time requirements set forth in subsection (b)(l)(B). The Secretary may extend such time requirements for any such museum upon a finding of good faith effort. An indication of good faith shall include the development of a plan to carry out the inventory and identification process.

(d) NOTIFICATION.—(l) If the cultural affiliation of any particular Native American human remains or associated funerary objects is determined pursuant to this section, the Federal agency or museum concerned shall, not later than 6 months after the completion of the inventory, notify the affected Indian tribes or Native Hawaiian organizations.

(2) The notice required by paragraph (1) shall include information—

(A) which identifies each Native American human remains or associated funerary objects and the circumstances surrounding its acquisition;

(B) which lists the human remains or associated funerary objects that are clearly identifiable as to tribal origin; and

(C) which lists the Native American human remains and associated funerary objects that are not clearly identifiable as being culturally affiliated with that Indian tribe or Native Hawaiian organization, but which, given the totality of circumstances surrounding acquisition of the remains or objects, are determined by a reasonable belief to be remains or objects culturally affiliated with the Indian tribe or Native Hawaiian organization.

(3) A copy of each notice provided under paragraph (1) shall be sent to the Secretary who shall publish each notice in the Federal Register.

(e) INVENTORY.—For the purposes of this section, the term "inventory" means a simple itemized list that summarizes the information called for by this section.

SEC. 6. SUMMARY FOR UNASSOCIATED FUNERARY OBJECTS, SACRED OBJECTS, AND CULTURAL PATRIMONY.

(a) IN GENERAL.—Each Federal agency or museum which has possession or control over holdings or collections of Native American unassociated funerary objects, sacred objects, or objects of cultural patrimony shall provide a written summary of such objects based upon available information held by such agency or museum. The summary shall describe the scope of the collection, kinds of objects included, reference to geographical location, means and period of acquisition and cultural affiliation, where readily ascertainable.

(b) REQUIREMENTS.—(1) The summary required under subsection (a) shall be—

(A) in lieu of an object-by-object inventory;

(B) followed by consultation with tribal government and Native Hawaiian organization officials and traditional religious leaders; and

(C) completed by not later than the date that is 3 years after the date of enactment of this Act.

(2) Upon request, Indian Tribes and Native Hawaiian organizations shall have access to records, catalogues, relevant studies or other pertinent data for the limited purposes of determining the geographic origin, cultural affiliation, and basic facts surrounding acquisition and accession of Native American objects subject

to this section. Such information shall be provided in a reasonable manner to be agreed upon by all parties.

SEC. 7. REPATRIATION.

(a) REPATRIATION OF NATIVE AMERICAN HUMAN REMAINS AND OBJECTS POSSESSED OR CONTROLLED BY FEDERAL AGENCIES AND MUSEUMS.—(1) If, pursuant to section 5, the cultural affiliation of Native American human remains and associated funerary objects with a particular Indian tribe or Native Hawaiian organization is established, then the Federal agency or museum, upon the request of a known lineal descendant of the Native American or of the tribe or organization and pursuant to subsections (b) and (e) of this section, shall expeditiously return such remains and associated funerary objects.

(2) If, pursuant to section 6, the cultural affiliation with a particular Indian tribe or Native Hawaiian organization is shown with respect to unassociated funerary objects, sacred objects or objects of cultural patrimony, then the Federal agency or museum, upon the request of the Indian tribe or Native Hawaiian organization and pursuant to subsections (b), (c) and (e) of this section, shall expeditiously return such objects.

(3) The return of cultural items covered by this Act shall be in consultation with the requesting lineal descendant or tribe or organization to determine the place and manner of delivery of such items.

(4) Where cultural affiliation of Native American human remains and funerary objects has not been established in an inventory prepared pursuant to section 5, or the summary pursuant to section 6, or where Native American human remains and funerary objects are not included upon any such inventory, then, upon request and pursuant to subsections (b) and (e) and, in the case of unassociated funerary objects, subsection (c), such Native American human remains and funerary objects shall be expeditiously returned where the requesting Indian tribe or Native Hawaiian organization can show cultural affiliation by a preponderance of the evidence based upon geographical, kinship, biological, archaeological, anthropological, linguistic, folkloric, oral traditional, historical, or other relevant information or expert opinion.

(5) Upon request and pursuant to subsections (b), (c) and (e), sacred objects and objects of cultural patrimony shall be expeditiously returned where—

(A) the requesting party is the direct lineal descendant of an individual who owned the sacred object;

(B) the requesting Indian tribe or Native Hawaiian organization can show that the object was owned or controlled by the tribe or organization; or

(C) the requesting Indian tribe or Native Hawaiian organization can show that the sacred object was owned or controlled by a member thereof, provided that in the case where a sacred object was owned by a member thereof, there are no identifiable lineal descendants of said member or the lineal descendants, upon notice, have failed to make a claim for the object under this Act.

(b) SCIENTIFIC STUDY.—If the lineal descendant, Indian tribe, or Native Hawaiian organization requests the return of culturally affiliated Native American cultural items, the Federal agency or museum shall expeditiously return such items unless such items are indispensable for completion of a specific scientific study, the outcome of which would be of major benefit to the United States. Such items shall be returned by no later than 90 days after the date on which the scientific study is completed.

(c) STANDARD OF REPATRIATION.—If a known lineal descendant or an Indian tribe or Native Hawaiian organization requests the return of Native American unassociated funerary objects, sacred objects or objects of cultural patrimony pursuant to this Act and presents evidence which, if standing alone before the introduction of evidence to the contrary, would support a finding that the Federal agency or museum did not have the right of possession, then such agency or museum shall return such objects unless it can overcome such inference and prove that it has a right of possession to the objects.

(d) SHARING OF INFORMATION BY FEDERAL AGENCIES AND MUSEUMS.—Any Federal agency or museum shall share what information it does possess regarding the object in question with the known lineal descendant, Indian tribe, or Native Hawaiian organization to assist in making a claim under this section.

(e) COMPETING CLAIMS.—Where there are multiple requests for repatriation of any cultural item and, after complying with the requirements of this Act, the Federal agency or museum cannot clearly determine which requesting party is the most appropriate claimant, the agency or museum may retain such item until the requesting parties agree upon its disposition or the dispute is otherwise resolved pursuant to the provisions of this Act or by a court of competent jurisdiction.

(f) MUSEUM OBLIGATION.—Any museum which repatriates any item in good faith pursuant to this Act shall not be liable for claims by an aggrieved party or for claims of breach of fiduciary duty, public trust, or violations of state law that are inconsistent with the provisions of this Act.

SEC. 8. REVIEW COMMITTEE.

(a) ESTABLISHMENT.—Within 120 days after the date of enactment of this Act, the Secretary shall establish a committee to monitor and review the implementation of the inventory and identification process and repatriation activities required under sections 5, 6 and 7.

(b) MEMBERSHIP.—(1) The Committee established under subsection (a) shall be composed of 7 members,

(A) 3 of whom shall be appointed by the Secretary from nominations submitted by Indian tribes, Native Hawaiian organizations, and traditional Native American religious leaders with at least 2 of such persons being traditional Indian religious leaders;

(B) 3 of whom shall be appointed by the Secretary from nominations submitted by national museum organizations and scientific organizations; and

(C) 1 who shall be appointed by the Secretary from a list of persons developed and consented to by all of the members appointed pursuant to subparagraphs (A) and (B).

(2) The Secretary may not appoint Federal officers or employees to the committee.

(3) In the event vacancies shall occur, such vacancies shall be filled by the Secretary in the same manner as the original appointment within 90 days of the occurrence of such vacancy.

(4) Members of the committee established under subsection (a) shall serve without pay, but shall be reimbursed at a rate equal to the daily rate for GS-18 of the General Schedule for each day (including travel time) for which the member is actually engaged in committee business. Each member shall receive travel expenses, including per diem in lieu of subsistence, in accordance with sections 5702 and 5703 of title 5, United States Code.

(c) RESPONSIBILITIES.—The committee established under subsection (a) shall be responsible for—

(1) designating one of the members of the committee as chairman;

(2) monitoring the inventory and identification process conducted under sections 5 and 6 to ensure a fair, objective consideration and assessment of all available relevant information and evidence;

(3) upon the request of any affected party, reviewing and making findings related to—

(A) the identity or cultural affiliation of cultural items, or

(B) the return of such items;

(4) facilitating the resolution of any disputes among Indian tribes, Native Hawaiian organizations, or lineal descendants and Federal agencies or museums relating to the return of such items including convening the parties to the dispute if deemed desirable;

(5) compiling an inventory of culturally unidentifiable human remains that are in the possession or control of each Federal agency and museum and recommending specific actions for developing a process for disposition of such remains;

(6) consulting with Indian tribes and Native Hawaiian organizations and museums on matters within the scope of the work of the committee affecting such tribes or organizations;

(7) consulting with the Secretary in the development of regulations to carry out this Act;

(8) performing such other related functions as the Secretary may assign to the committee; and

(9) making recommendations, if appropriate, regarding future care of cultural items which are to be repatriated.

(d) Any records and findings made by the review committee pursuant to this Act relating to the identity or cultural affiliation of any cultural items and the return of such items may be admissible in any action brought under section 15 of this Act.

(e) RECOMMENDATIONS AND REPORT.—The committee shall make the recommendations under paragraph (c)(5) in consultation with Indian tribes and Native Hawaiian organizations and appropriate scientific and museum groups.

(f) ACCESS.—The Secretary shall ensure that the committee established under subsection (a) and the members of the committee have reasonable access to Native American cultural items under review and to associated scientific and historical documents.

(g) DUTIES OF SECRETARY.—The Secretary shall—

(1) establish such rules and regulations for the committee as may be necessary, and

(2)provide reasonable administrative and staff support necessary for the deliberations of the committee.

(h) ANNUAL REPORT.—The committee established under subsection (a) shall submit an annual report to the Congress on the progress made, and any barriers encountered, in implementing this section during the previous year.

(i) TERMINATION.—The committee established under subsection (a) shall terminate at the end of the 120-day period beginning on the day the Secretary certifies, in a report submitted to Congress, that the work of the committee has been completed.

SEC. 9. PENALTY.

(a) PENALTY.—Any museum that fails to comply with the requirements of this Act may be assessed a civil penalty by the Secretary of the Interior pursuant to procedures established by the Secretary through regulation. A penalty assessed under this subsection shall be determined on the record after opportunity for an agency hearing. Each violation under this subsection shall be a separate offense.

(b) AMOUNT OF PENALTY.—The amount of a penalty assessed under subsection (a) shall be determined under regulations promulgated pursuant to this Act, taking into account, in addition other factors—

(1) the archaeological, historical, or commercial value of the item involved;

(2) the damages suffered, both economic and noneconomic, by an aggrieved party, and

(3) the number of violations that have occurred.

(c) ACTIONS TO RECOVER PENALTIES.—If any museum fails to pay an assessment of a civil penalty pursuant to a final order of the Secretary that has been issued under subsection (a) and not appealed or after a final judgment has been rendered on appeal of such order, the Attorney General may institute a civil action in an appropriate district court of the United States to collect the penalty. In such action, the validity and amount of such penalty shall not be subject to review.

(d) SUBPOENAS.—In hearings held pursuant to subsection (a), subpoenas may be issued for the attendance and testimony of witnesses and the production of relevant papers, books, and documents. Witnesses so summoned shall be paid the same fees and mileage that are paid to witnesses in the courts of the United States.

SEC. 10. GRANTS.

(a) INDIAN TRIBES AND NATIVE HAWAIIAN ORGANIZATIONS.—The Secretary is authorized to make grants to Indian tribes and Native Hawaiian organizations for the purpose of assisting such tribes and organizations in the repatriation of Native American cultural items.

(b) MUSEUMS.—The Secretary is authorized to make grants to museums for the purpose of assisting the museums in conducting the inventories and identification required under sections 5 and 6.

SEC. 11. SAVINGS PROVISIONS.

Nothing in this Act shall be construed to—

(1) limit the authority of any Federal agency or museum to—

(A) return or repatriate Native American cultural items to Indian tribes, Native Hawaiian organizations, or individuals, and

(B) enter into any other agreement with the consent of the culturally affiliated tribe or organization as to the disposition of, or control over, items covered by this Act;

(2) delay actions on repatriation requests that are pending on the date of enactment of this Act;

(3) deny or otherwise affect access to any court;

(4) Limit any procedural or substantive right which may otherwise be secured to individuals or Indian tribes or Native Hawaiian organizations; or

(5) limit the application of any State or Federal law pertaining to theft or stolen property.

SEC. 12. SPECIAL RELATIONSHIP BETWEEN FEDERAL GOVERNMENT AND INDIAN TRIBES.

This Act reflects the unique relationship between the Federal Government and Indian tribes and Native Hawaiian organizations and should not be construed to establish a precedent with respect to any other individual, organization or foreign government.

SEC. 13. REGULATIONS.

This Secretion shall promulgate regulations to carry out this Act within 12 months of enactment.

SEC. 14. AUTHORIZATION OF APPROPRIATIONS.

There is authorized to be appropriated such sums as may be necessary to carry out this Act.

SEC. 15. ENFORCEMENT.

The United States district courts shall have jurisdiction over any action brought by any person alleging a violation of this Act and shall have the authority to issue such orders as may be necessary to enforce the provisions of this Act.

Approved November 16, 1990.

Part II

DEPARTMENT OF THE INTERIOR

Office of the Secretary

43 CFR Part 10

Native American Graves Protection and Repatriation Act Regulations; Final Rule

RIN 1024-AC07

AGENCY: Department of the Interior.

ACTION: Final rule.

SUMMARY: This final rule establishes definitions and procedures for lineal descendants, Indian tribes, Native Hawaiian organizations, museums, and Federal agencies to carry out the Native American Graves Protection and Repatriation Act of 1990. These regulations develop a systematic process for determining the rights of lineal descendants, Indian tribes, and Native Hawaiian organizations to certain Native American human remains, funerary objects, sacred objects, or objects of cultural patrimony with which they are affiliated.

EFFECTIVE DATE: This final rule will take effect on January 3, 1996.

FOR FURTHER INFORMATION CONTACT: Dr. Francis P. McManamon, Departmental Consulting Archeologist, Archeological Assistance Division, National Park Service, Box 37127, Washington DC 20013-7127. Telephone: (202) 343-4101. Fax: (202) 523-1547.

SUPPLEMENTARY INFORMATION:

Background

On November 16, 1990, President George Bush signed into law the Native American Graves Protection and Repatriation Act, hereafter referred to as the Act. The Act addresses the rights of lineal descendants, Indian tribes, and Native Hawaiian organizations to certain Native American human remains, funerary objects, sacred objects, or objects of cultural patrimony with which they are affiliated. Section 13 of the Act requires the Secretary of the Interior to publish regulations to carry out provisions of the Act.

Preparation of the Rulemaking

The proposed rule (43 CFR Part 10) for carrying out the Act was published in the Federal Register on May 28, 1993 (58 FR 31122). Public comment was invited for a 60-day period, ending on July 27, 1993. Copies of the proposed rule were sent to the chairs or chief executive officers of all Indian tribes, Alaska Native villages and corporations, Native Hawaiian organizations, national Indian organizations and advocacy groups, national scientific and museum organizations, and State and Federal agency Historic Preservation Officers and chief archeologists.

Eighty-two written comments were received representing 89 specific organizations and individuals. These included thirteen Indian tribes, ten Native American organizations, nine museums, seven universities, three national scientific and museum organizations, eleven state agencies, nineteen Federal agencies, nine other organizations, and eight individuals. Several letters represent more than one organization. Comments addressed nearly all sections and appendices of the proposed rule. All comments were fully considered when revising the proposed rule for publication as a final rulemaking.

Given the volume of comments, it is impractical to respond in detail in the preamble to every question raised or suggestion offered. Some commenters pointed out errors in spelling, syntax, and minor technical matters. Those errors were corrected and are not mentioned further in the preamble. In addition, many commenters made similar suggestions or criticisms, or repeated the same suggestion for different sections of the proposed rule. In the interest of reducing the length of the text, comments that are similar in nature are grouped and discussed in the most relevant section in the preamble. Some comments pointed out vague and unclear language. Clarifying and explanatory language was added to the rule and preamble.

Changes in Response to Public Comment

Section 10.1

This section outlines the purpose and applicability of the regulations. Three commenters recommended including specific reference to the applicability of the rule to provisions of the United States Code regarding illegal trafficking. Section 4 of the Act, which deals with illegal trafficking in "Native American Human Remains and Cultural Items," is incorporated directly into Chapter 53 of title 18, United States Code, and does not require implementing regulations. For that reason, a section regarding section 4 of the Act has not been included in these regulations.

One commenter recommended including language to guarantee "that these collections will remain intact and always be available to qualified researchers . . ."

Another commenter recommended amending the regulations to preclude the removal of prehistoric skeletal and cultural materials from the nation's museums. The drafters consider the proposed changes contrary to the intent of the Act as reflected in statutory language and legislative history.

One commenter recommended additional language addressing Federal trust responsibilities and tribal sovereignty. These regulations are consistent with the United States' trust responsibilities to Indian tribes.

Three commenters recommended amending the rule to apply to territories of the United States. The rule of statutory construction stipulates that Federal law applies to United States territories only when specifically indicated. No such reference is indicated in either the statute or its legislative history. It is inappropriate to use regulations to extend applicability to areas not defined in the Act.

Section 10.2

This section defines terms used throughout the regulations. One commenter recommended listing the definitions alphabetically instead of thematically under the present categories of "participants," "human remains and cultural items," "cultural affiliation," "location," and "procedures." A thematic organization has been retained. However, the subsections have been retitled and reorganized. The new subsections are (a) who must comply with these regulations?; (b) who has standing to make a claim under these regulations?; (c) who is responsible for carrying out these regulations?; (d) what objects are covered by these regulations?; (e) what is cultural affiliation?; (f) what types of lands do the excavation and discovery provisions of these regulations apply to?; and (g) what procedures are required by these regulations?

Subsection 10.2 (a) includes definitions of those persons or organizations who must comply with these regulations.

One commenter asked for clarification as to whether all Federal agencies as defined in § 10.2 (a)(4) (renumbered as § 10.2 (a)(1)) must comply with provisions of the Act. All Federal agencies, except the Smithsonian Institution, are responsible for completing summaries and inventories of collections in their control and with ensuring compliance regarding inadvertent discoveries and intentional excavations conducted as part of activities on Federal or tribal lands. Three commenters and the Review Committee authorized under section 8 of the Act requested clarification of the exclusion of the Smithsonian Institution as a Federal agency. Sections 2 (4) and 2 (8) of the Act specifically exclude the Smithsonian Institution from having to comply with the provisions of the Act. The legislative history of the Act is silent as to the reason for this exclusion. The exclusion is likely to have been based on prior passage of the National Museum of the American Indian Act in 1989 that included provisions requiring the repatriation of human remains from all of the Smithsonian Institution's constituent museums.

Seven commenters requested clarification of the definition of Federal agency official in § 10.2 (a)(5) (renumbered as § 10.2 (a)(2)). One commenter recommended changing the term to Federal land manager. The definition included in the proposed rule applies to both individuals with authority for the management of Federal lands and individuals with responsibility for the management of Federal collections that may contain human remains, funerary objects, sacred objects, or objects of cultural patrimony. Since responsibility for the latter task may fall to Federal agency officials who do not manage land, the recommended change has not been made. Four commenters recommended changes in the definition of Federal agency official to reflect that a Federal agency may have more than one delegated authority. The definition was rewritten to reflect this concern. One commenter recommended stipulation of a specific date by which each agency must delegate individuals to perform the duties relating to these regulations. Such a deadline is unnecessary as all Federal agencies have already named their contacts. A listing of Federal agency officials for each agency is available from the Departmental Consulting Archeologist.

Seven commenters requested clarification of the definition of museum in § 10.2 (a)(6) (renumbered § 10.2 (a)(3)). One commenter recommended replacing the term "human remains or cultural items" with "Native American artifacts" to reflect the expanded reporting of "collections that may contain unassociated funerary objects, sacred objects, or objects of cultural patrimony" in the summaries required in § 10.8. The specific focus of the Act and the rule remains limited to Native American human remains, funerary objects, sacred objects, and objects of cultural patrimony, and not the broader category of Native American artifacts.

One commenter recommended providing a definition of the term "possession of, or control over" in the first sentence of the definition. One commenter recommended requiring museums take responsibility for all human remains, funerary objects, sacred objects, or objects of cultural patrimony in their possession that were originally excavated intentionally or discovered inadvertently by Federal agencies on non-Federal lands. All museums or Federal agencies with Native American collections should consider carefully whether they have possession or control of human remains, funerary objects, sacred objects, or objects of cultural patrimony as defined in § 10.2 (a)(3)(i) and (a)(3)(ii).

Eleven commenters recommended changes to the definitions of possession in § 10.2 (e)(5) (renumbered § 10.2 (a)(3)(i)) and control in § 10.2 (e)(6) (renumbered § 10.2 (a)(3)(ii)). One commenter recommended giving

both terms their ordinary and customary meaning in the regulations. Two commenters objected to use of "legal interest" in both definitions on the grounds that under common law, museums and Federal agencies do not have sufficient legal interest in human remains to do anything with them. Two commenters questioned including items on loan to a museum in a summary or inventory since the items are not the property of the museum. One commenter recommended deleting the definition of control as it would require Federal bureaucrats and museum officials to make complicated legal determinations. Examples designed to clarify the uses of possession and control have been added to these sections to address the concerns reflected in these comments. Two commenters questioned whether "control" applied to museum collections or to Federal lands. The term applies to human remains, funerary objects, sacred objects, or objects of cultural patrimony in museum or Federal agency collections or excavated intentionally or discovered inadvertently on Federal or tribal lands. One commenter recommended that the definition specifically address Federal agency responsibilities for collections from Federal lands being held by non-governmental repositories. Federal agencies are responsible for the appropriate treatment and care of such collections.

One commenter requested clarification of the exclusion of procurement contracts from "Federal funds" in § 10.2 (a)(6) (renumbered § 10.2 (a)(3)(iii)). Procurement contracts are not considered a form of Federal-based aid but are provided to a contractor in exchange for a specific service or product. One commenter requested deletion of the last two sentences of the definition that clarify the applicability of the rule to museums that are part of a larger entity that receives Federal funds, questioning if the legislative history supports such an interpretation. One commenter supported the present definition of institutions receiving Federal funds. Application of Federal laws to institutions that receive Federal funds is common, being used with such recent legislation as the Americans with Disabilities Act. These laws typically are interpreted to apply to organizations that are part of larger entities that receive Federal funds. Two commenters recommended specifying the applicability of the rule to museums affiliated with certified local governments and Indian tribal museums. The rule applies to museums that are part of certified local governments. A tribal museum is covered by the Act if the Indian tribe of which it is part receives Federal funds through any grant, loan, or contract (other than a procurement contract).

Subsection 10.2(b) includes definitions of those persons or organizations that have standing to make a claim under these regulations.

Eight commenters recommended changes in the definition of lineal descendant in § 10.2 (a)(14) (renumbered § 10.2 (b)(1)). Two commenters identified the definition as too restrictive. The drafters realize that claims of lineal descent require a high standard but feel that this standard is consistent with the preference for repatriation to lineal descendants required by the Act. Another commenter presented a statistical argument to indicate that all members of Indian tribes might be recognized as lineal descendants of human remains over 1,000 year old. Regardless of the statistical possibilities that someone might be related to another, the definition of lineal descent requires that the human remains, funerary objects, or sacred objects under consideration be from a known individual. It is highly unlikely that the identity of an individual that lived 1,000 years ago is known, or that it is possible to trace descent directly and without interruption from that known individual to a living individual. One commenter recommended replacing the "known Native American individual" from which lineal descent is traced with "known individual of a tribe." The term Indian tribe as used in these regulations refers only to those contemporary tribes, bands, nations, or other organized Indian groups or communities that are recognized as eligible for the special programs and services provided by the United States to Indians because of their status as Indians. Requiring the known individual to have been a member of the same Federally recognized Indian tribe as their lineal descendant would limit repatriation to only the most recent human remains, funerary objects, or sacred objects and is not supported by the statutory language or legislative history. One commenter recommended deleting reference to use of the "traditional kinship system." Reference to traditional kinship systems is designed to accommodate the different systems that individual Indian tribes use to reckon kinship. One commenter recommended that the definition should also allow more conventional means of reckoning kinship. The definition has been amended to include the common law system of descendance as well as the traditional kinship system of the appropriate Indian tribe or Native Hawaiian organization. One commenter recommended defining an additional class of "lineage members" or "kindred"—individuals that are not lineal descendants in the biological sense of the term but are related by the traditional kinship system—and then giving these individuals a secondary priority for making a claim after lineal descendants but before culturally affiliated Indian tribes. Determinations of priority between blood descendants and descendants by some other traditional kinship system are more properly resolved in specific situations rather than through general regulations.

One commenter recommended clarifying the definition of Indian tribe in § 10.2 (a)(9) (renumbered § 10.2 (b)(2)) to ensure timely notification. Seventeen commenters recommended expanding the definition to include a broader spectrum of Indian groups than those

recognized by the Bureau of Indian Affairs (BIA). Several commenters identified specific groups they felt should have standing, including: various bands or tribes in California, Washington, and Ohio; Native American organizations such as the American Indian Movement; Native American groups that "would be eligible for recognition by the BIA if they so chose to be"; and "bands recognized by other Federal agencies." Section 12 of the Act makes it clear that Congress based the Act upon the unique relationship between the United States government and Indian tribes. That section goes on to state that the Act should not be construed to establish a precedent with respect to any other individual or organization. The statutory definition of Indian tribe, which specifies that such tribes must be "recognized as eligible for the special programs and services provided by the United States to Indians because of their status as Indians," precludes extending applicability of the Act to Indian tribes that have been terminated, that are current applicants for recognition, or have only State or local jurisdiction legal status.

As was explained in the preamble of the proposed regulations, the definition of Indian tribe used in the Act was drawn explicitly from an earlier version of the bill (H.R. 5237, 101st Congress, 2nd Sess. § 2 (7), (July 10, 1990)) using a specific statutory reference. The final language of the Act is verbatim from the American Indian Self Determination and Education Act (25 U.S.C. 450b). The earlier statute has been carried out since 1976 by the BIA to apply to a specific list of eligible Indian tribes which has been published in the Federal Register.

Four commenters found this interpretation unduly narrow and recommended interpreting the statutory definition to apply to Indian tribes that are recognized as eligible for benefits for the special programs and services provided by "any" agency of the United States to Indians because of their status as Indians. The Review Committee concurred with this recommendation. Based on the above recommendations, the definition of Indian tribe included in the regulations was amended by deleting all text describing the process for obtaining recognition from the BIA. In place of this text, the final regulations include a statement identifying the Secretary as responsible for creating and distributing a list of Indian tribes for the purpose of carrying out the Act. This list is currently available from the Departmental Consulting Archeologist and will be updated periodically.

One commenter recommended deleting the reference to Alaska Native corporations in the definition of Indian tribe. The American Indian Self Determination and Education Act, the source for the definition of Indian tribe in the Act, explicitly applies to Alaska Native corporations and, as such, supports their inclusion under the Act. Alaska Native corporations are generally considered to have standing under these regulations if they are recognized as eligible for a self-determination contract under 25 U.S.C. 450b.

Two commenters recommended deleting the final line of the definition of Indian tribe in which Native Hawaiian organizations are subsumed for purposes of the regulations. The Review Committee concurred with this recommendation. The final sentence has been deleted and the applicability of the regulations to Native Hawaiian organizations has been specified where appropriate throughout the text. The term Indian tribe official defined in § 10.2 (b)(4) has not been changed, though the drafters wish to stress the term's applicability to the representatives of both Indian tribes and Native Hawaiian organizations.

Two commenters recommended changes to the definition of Native Hawaiian organization in § 10.2 (a)(11) (renumbered § 10.2 (b)(3)). One commenter recommended specifying that such organizations should have a primary and stated purpose of the "preservation of Hawaiian history," and have expertise in Native Hawaiian "cultural" affairs. Two commenters recommended requiring a Native Hawaiian organization verify that more than 50% of its membership is Native Hawaiian. The statutory definition of Native Hawaiian organization in section 2 (11) of the Act precludes expansion of the criteria for identifying Native Hawaiian organizations. An earlier version of the bill (S. 1980, 101st Cong. 2nd sess. section 3 (6)(c), (September 10,1990)) that eventually became the Act included a provision requiring Native Hawaiian organization to have "a membership of which a majority are Native Hawaiian." This provision was not included in the Act. The legislative history confirms that Congress considered the additional criterion and decided not to include it in the Act.

One commenter recommended rewriting the definition of Native Hawaiian in § 10.2 (a)(10) (renumbered § 10.2 (b)(3)) to include Pacific Islanders. The statutory definition of Native Hawaiian in section 2 (10) of the Act precludes expansion of this definition to include Pacific Islanders who are not descendants of the aboriginal people who, prior to 1778, occupied and exercised sovereignty in the area that now constitutes the State of Hawaii.

Three commenters recommended changes to the definition of Indian tribe official in § 10.2 (a)(12) (renumbered § 10.2 (b)(4)). One commenter recommended specifying that Indian tribe official means the tribal chair or officially designated individual. One commenter recommended allowing designation by the governing body of an Indian tribe "or as otherwise provided by tribal code, policy, or procedure." One commenter recommended that the designated person need not be a member of that Indian tribe. The definition of Indian tribe official was amended to identify the principal leader or the individual officially designated or

otherwise provided by tribal code, policy or established procedure. This person need not necessarily be a member of the particular Indian tribe.

Subsection 10.2(c) includes definitions of those persons or organizations that are responsible for carrying out these regulations.

One commenter requested clarification of the role of the Departmental Consulting Archeologist defined in Section 10.2 (a)(3) (renumbered § 10.2 (c)(3)). The Departmental Consulting Archeologist was delegated by the Secretary of the Interior with responsibilities for drafting regulations, providing staff support to the Review Committee, administering grants, and providing technical aid under the Act.

Subsection 10.2 (d) includes definitions of the objects covered by these regulations.

One commenter recommended that the definition of Native American in § 10.2 (a)(8) (renumbered § 10.2 (d)) specifically include Native Hawaiians. The definition already includes Native Hawaiians. To clarify the applicability of the rule, the definition of Native American was rewritten to specifically include tribes, people, or cultures indigenous to the United States, "including Alaska and Hawaii." The drafters point out that "Native American" is used in the Act and in these rules only to refer to particular human remains, funerary objects, sacred objects, or objects of cultural patrimony and not to any living individual or group of individuals.

Thirteen commenters recommended changes to the definition of human remains in § 10.2 (b)(1) (renumbered § 10.2 (d)(1)). One commenter recommended expanding the definition to include all human remains, not just those of Native Americans. The Act is designed specifically to address the disposition or repatriation of Native American human remains, funerary objects, sacred objects, or objects of cultural patrimony and not to cover all human remains. Three commenters recommended excluding disarticulated and unassociated human remains, such as isolated teeth and finger bones, from repatriation. Two commenters recommended amending the definition to include only those human remains "associated with the body at the time of death," to eliminate such things as extracted or lost teeth, cut finger nails, coprolites, blood residues, and tissue samples taken by coroners. One commenter recommending deleting the exemplary clause—"including but not limited to bones, teeth, hair, ashes, or mummified or otherwise soft tissue"—as being overly limiting. The Act makes no distinction between fully-articulated burials and isolated bones and teeth. Additional text has been added excluding "naturally shed" human remains from consideration under the Act. This exclusion does not include any human remains for which there is evidence of purposeful disposal or deposition. The exemplary clause has been deleted. One commenter requested clarification as to whether the regulations would apply to blood sold or given to a blood bank by an individual of Native American ancestry. The blood bank would not be subject to repatriation having been freely given. One commenter supported considering human remains that had been incorporated into a sacred object or object of cultural patrimony be considered as part of that cultural item for the purpose of determining cultural affiliation. Two commenters recommended excluding human remains incorporated into cultural items from repatriation since, as one said, they were "objectified by their original makers and owners, not the institutions that might house them now." One commenter requested clarification regarding the status of human remains that were not freely given but that have been incorporated into objects that are not cultural items as defined in these regulations. The legislative history is silent on this issue. Determination of the proper disposition of such human remains must necessarily be made on a case-by-case basis. One commenter recommended deleting reference to human remains that have been incorporated into a funerary object, sacred object, or object of cultural patrimony, in that any change in the character of the human remains, including the definition, would only further their dishonor. Three commenters asked for clarification in how to determine whether human remains incorporated into a funerary object, sacred object, or object of cultural patrimony were freely given. The provision regarding determination of the cultural affiliation of human remains that had been incorporated into a funerary object, sacred object, or object of cultural patrimony was recommended by the Review Committee to preclude the destruction of items that might be culturally affiliated with one Indian tribe that incorporate human remains culturally affiliated with another Indian tribe.

Two commenters recommended changing the definition of cultural items in § 10.2 (b)(2). One commenter recommended broadening the definition to include any and all objects deemed to have cultural significance by an Indian tribe. Cultural items are defined in the Act to include human remains, funerary objects, sacred objects, and objects of cultural patrimony. The term was redefined in the proposed regulations to include funerary objects, sacred objects, and objects of cultural patrimony, and not human remains to address the objections some individuals had expressed over referring to human remains as "cultural items." Two commenters recommended retaining the statutory definition. The term has been changed to read "human remains, funerary object, sacred object, or object of cultural patrimony" throughout the rule to ensure clarity. The definition of "cultural item" has been deleted throughout the text.

One commenter recommended combining the definitions of associated funerary object in § 10.2 (b)(3) and unassociated funerary object in § 10.2 (b)(4) into a single definition of funerary object. The two definitions have been combined in § 10.2 (d)(2).

Ten commenters recommended changes to the definition of associated funerary object in § 10.2 (b)(3) and unassociated funerary object in § 10.2 (b)(4) (combined and renumbered § 10.2 (d)(2)). One commenter recommended rewriting both definitions to make a distinction between objects associated with individual human remains and objects for which a funerary context is suspected, but association with individual human remains is not possible. Another commenter objected to what he considered an overly rigorous standard of proof. The statutory language makes it clear that only those objects that are associated with individual human remains are considered funerary objects. The distinction between associated and unassociated funerary objects is based on whether the individual human remains are in the possession or control of a museum or Federal agency. One commenter recommended deleting the word "intentionally" in § 10.2 (b)(3)(i) and § 10.2 (b)(4) since the term does not occur in the statutory language. The term is included to emphasize the intentional nature of death rites or ceremonies. Items that inadvertently came into proximity or contact with human remains are not considered funerary objects. One commenter questioned whether any objects excavated intentionally or discovered inadvertently on Federal or tribal land after November 16, 1990, would fit these definitions, since it requires the objects be in the possession or control of a Federal agency, and section 3 of the Act seems to preclude Federal ownership of such objects. Possession of funerary objects excavated intentionally or discovered inadvertently on Federal or tribal land is sufficient to apply the provisions of the statute to such intentional excavations or inadvertent discoveries.

Two commenters recommended deletion of the clause "or near" from § 10.2 (b)(3) (renumbered § 10.2 (d)(2)), indicating that it would require museums to enter into debates about the proximity of objects to human remains. The clause was included to accommodate variations in Native American death rites or ceremonies. Some Indian tribes, particularly those from the northern plains, have ceremonies in which objects are placed near, but not with, the human remains at the time of death or later. The drafters consider these funerary objects.

One commenter recommended clarifying § 10.2 (b)(3)(i) (renumbered § 10.2 (d)(2)(i)) by specifying that funerary objects are "associated" even when another institution has possession or control of the human remains. The drafters consider the statutory definition, which is repeated in the rule, to support this interpretation without any additional modification. One commenter recommended clarifying § 10.2 (a)(3)(ii) [renumbered § 10.2 (d)(2)(i)] by specifying that items made exclusively for burial purposes are considered as associated funerary objects even if there are no associated human remains. Items made exclusively for burial purposes are considered associated funerary objects even if there are no associated human remains. Four commenters recommended deleting the final sentence of the definition of unassociated funerary object in § 10.2 (b)(4) [renumbered § 10.2 (d)(2)], objecting to the requirement that such human remains were removed from a "specific" burial site. Another commenter recommended deleting reference to the "preponderance of the evidence" in the same sentence, because it implies an adversarial context which is inappropriate for the process of identifying unassociated funerary objects. In both of these instances, the text of the regulations reflects exactly the statutory text and has not been modified. The final sentence of this section was drawn from an explanation of the definition in House Report 101-877 (1990: page 2) and is taken to represent Congressional intent. Another commenter recommended deleting "reasonably believed to have been" from § 10.2 (b)(2)(ii). The phrase has been deleted.

One commenter recommended clarifying the definition of unassociated funerary objects in § 10.2 (b)(4) to exempt items exhibited intentionally with individual human remains but subsequently returned or distributed to living descendants or other individuals. The recommended language has been added to § 10.2 (d)(2)(ii).

Ten commenters recommended changes to the definition of sacred objects in § 10.2 (b)(5) (renumbered § 10.2 (d)(3)). One commenter recommended broadening the definition to include any and all objects deemed to have sacred significance by Indian tribes and not just those objects needed by traditional Native American religious leaders for the practice of traditional Native American religions by their present-day adherents. Another commenter recommended broadening the definition to include specific objects or geological features identified by traditional Native American practitioners as endowed with sacredness due to the object's past role in traditional Native American religious ceremony or on the basis of similar objects having contemporaneous religious significance or function in the continued observance or renewal or a ceremony. The statutory language and legislative history indicate that this definition was written carefully and precisely. Expanding the definition to include the types of items identified above in the comments runs counter to Congressional intent.

Four commenters recommended changes in the definition of traditional religious leader in § 10.2 (a)(13) (renumbered § 10.2 (d)(3)). Two commenters recommended replacing the phrase allowing such leaders to be recognized "by members of that Indian tribe" with "that Indian tribe." The drafters realize that allowing members of an Indian tribe or Native Hawaiian organization to recognize traditional religious leaders may result in conflicting claims. However, such issues are best resolved by the members of the Indian tribe or Native Hawaiian organization themselves. One commenter

recommended replacing the word "or" at the end of § 10.2(a)(13)(i) with "and." The two criteria listed are intended as alternative methods for identifying traditional religious leaders and not as cumulative criteria. Another commenter recommended specifying that an individual's leadership role must be based on "traditional" religious practices. The drafters consider whether or not an individual's leadership in a religion is based upon traditional practice an inappropriate concern for Federal regulations.

Two commenters recommended deleting the word "current" from the first line of the definition of sacred object since the term was not included in the statutory text. The term was deleted. One commenter objected to "use" being the measure to decide whether an object should be repatriated, suggesting instead right of possession as the relevant standard. The necessity of an object for use by present day adherents of a traditional Native American religion is critical in identifying a sacred object, while determination of right of possession is necessary to determine whether the sacred object must be repatriated to the Indian tribe or Native Hawaiian organization or may be retained by the museum or Federal agency.

One commenter recommended deleting the second sentence of the definition of sacred object which he considers to depart in major ways from the statutory definition. The second sentence of the definition was drawn from the Senate Select Committee Report (S.R. 101-473: p. 7) and helps clarify the precise, limited use of this category intended by Congress.

One commenter recommended including clarification in the definition that: 1) sacred objects can not be associated with human remains, as they would then be funerary objects, and 2) only in rare circumstances can prehistoric items be sacred objects. While this usually may be so, blanket exclusion of any funerary object from also being a sacred object is not considered appropriate in that the categories are not mutually exclusive. Similarly, identification of sacred objects from prehistoric contexts must be made on a case-by-case basis.

One commenter agreed with the inclusion of sacred objects that have religious significance or function in the continued observance or renewal of a traditional Native American religious ceremony or ritual. Another commenter recommended deleting reference to "renewal" in the second sentence, stating that the issue was debated during the legislative process and final statutory language does not include reference to renewal of a traditional Native American religious ceremony. Language specifying the inclusion of objects that function in the continued observance or renewal of a traditional Native American religious ceremony as sacred objects was drawn from the Senate Select Committee Report (S.R. 101-473: p. 7) and is thought to reflect Congressional intent.

Three commenters requested clarification as to who is responsible for making the determination that a particular item fits the definition of sacred object. In all cases, the museum or Federal agency official has the initial responsibility for deciding whether an object in its possession or control fits the definition of sacred object. However, if an Indian tribe or Native Hawaiian organization does not agree with this decision, it has recourse to challenge directly the decision of the museum or Federal agency. The Indian tribe or Native Hawaiian organization may seek the involvement of the Review Committee if it is unsuccessful in its direct appeal to the museum or Federal agency.

Six commenters recommended changes to the definition of objects of cultural patrimony in § 10.2 (b)(6) (renumbered § 10.2 (d)(4)]). One commenter recommended deleting the word "cultural" from the term "cultural items" in the first sentence, in that the current phrasing is circular. The word has been deleted. One commenter cautioned that the definition does not recognize that internal disagreements may occur within an Indian tribe or Native Hawaiian organization about the importance of an object of cultural patrimony. Another commenter recommended broadening the definition to include those objects of ongoing historical, traditional, or cultural importance central to any sub-group of an Indian tribe, such as a band, clan, lineage, ceremonial society, or other subdivisions. Claims for human remains, funerary objects, sacred objects, or objects of cultural patrimony by such sub-groups must be made through an Indian tribe or Native Hawaiian organization.

One commenter requested clarification of the example of the Zuni War Gods that appear to be both objects of cultural patrimony and sacred objects. An object can fit both categories depending upon the nature of the traditional religion and the system of property rights used by a particular Indian tribe or Native Hawaiian organization. Zuni War Gods present such a case. In other cases, sacred objects may have been owned privately and, thus, are not considered objects of cultural patrimony. One commenter requested clarification as to who is responsible for making the determination that a particular item fits the definition of object of cultural patrimony. In all cases, the museum or Federal agency official has the initial responsibility for deciding whether an object in its possession or control fits the definition of object of cultural patrimony. However, if an Indian tribe or Native Hawaiian organization does not agree with this decision, it has recourse to challenge directly the decision with the museum or Federal agency.

Section 10.2 (e) includes the definition of cultural affiliation. One commenter recommended deleting reference to Native Hawaiian organizations as they are included under the definition of Indian tribe in § 10.2 (b)(2). The text has been changed to read "Indian tribe

or Native Hawaiian organization" throughout the regulations. One commenter requested inclusion of a short characterization of the threshold criteria applicable to determining cultural affiliation. A second sentence clarifying this threshold has been added to the definition. Three commenters requested additional clarification of the definition of cultural affiliation. Procedures for determining cultural affiliation are included in § 10.14 (c).

Section 10.2 (f) includes definitions of the types of lands that the excavation and discovery provisions of these regulations apply.

Six commenters asked for clarification regarding the applicability of statutory provisions for intentional excavation or inadvertent discovery of human remains, funerary objects, sacred objects, or objects of cultural patrimony to private lands. Unlike provisions of the National Historic Preservation Act (NHPA) that are applicable to Federal undertakings regardless of who owns the land on which the project is being conducted, the intentional excavation and inadvertent discovery provisions of these regulations apply only to Federal and tribal lands.

Five commenters recommended changes to the definition of Federal lands in § 10.2 (d)(1) (renumbered § 10.2 (f)(1)). One commenter recommended deleting the definition of "control" as it will require Federal bureaucrats to make complicated legal determinations as to what is "a sufficient legal interest to permit it to apply these regulations without abrogating the rights of a person." Another commenter recognized the need for a definition of Federal "control," but suggested that the present definition fails to clarify the issue. Another commenter requested clarification whether Federal control, and thus the intentional excavation and inadvertent discovery provisions of these regulations, extends to the Wetlands Reserve Program or to the Forest Legacy Program. One commenter requested clarification of the applicability of Federal control to real property instruments such as easements, rights-of-way, and rights-of-entry for performance of specific activities. One commenter requested clarification of the applicability of Federal control to private lands through issuance of a Federal permit, license, or funding. One commenter recommended including the existence of a long term lease by a Federal agency or an interest under which the land owner has authorized the United States to undertake intentional excavation or other land disturbance as under Federal control. As indicated above, the intentional excavation and inadvertent discovery provisions of the Act apply only to Federal and tribal lands. Whether Federal control of programs such as those mentioned above is sufficient to apply these regulations to the lands covered by the program depends on the circumstances of the Federal agency authority and on the nature of state and local jurisdiction. Such determinations must necessarily be made on a case-by-case basis. Generally, however, a Federal agency will only have sufficient legal interest to "control" lands it does not own when it has some other form of property interest in the land such as a lease or easement. The fact that a Federal permit is required to undertake and activity on non-Federal land generally is not sufficient legal interest in and of itself to "control" the land within the meaning of these regulations and the Act. In situations when two or more Federal agencies share regulatory or management jurisdiction over Federal land, the Federal agency with primary management authority will generally have control for purposes of implementing the Act.

Nineteen commenters recommended changes to the definition of tribal lands in § 10.2 (c)(2) (renumbered § 10.2 (f)(2)). One commenter recommended broadening the exclusion of privately owned lands within the exterior boundaries of an Indian reservation to encompass state and Federal land holdings. Thirteen commenters objected to the exclusion of privately owned lands within the exterior boundaries of an Indian reservation and recommended returning to the statutory language. The proposed exclusion was intended to rectify a contradiction between the statutory definition of tribal lands in section 2 (15) of the Act and the guarantee in section 2 (13) of the Act that no taking of property without compensation within the meaning of the Fifth Amendment of the United States Constitution is intended. The drafters concur with the majority of commenters that the blanket exclusion of private lands within the exterior boundaries of an Indian reservation from the intentional excavation and inadvertent discovery provisions of the regulations is overly broad. The exclusion was deleted and a new subsection added at § 10.2 (f)(2)(iv) stating that the regulations will not apply to tribal lands to the extent that any particular action authorized or required will result in a taking of property without just compensation within the meaning of the Fifth Amendment to the United States Constitution.

Three commenters recommended broadening the definition of tribal lands to apply to allotments held in trust for Indian tribes or individuals, regardless of whether the allotments are inside or outside the boundaries of an Indian reservation. This suggestion is inconsistent with the Act's definition of tribal lands. One commenter stated that the reference to 18 U.S.C. 1151 in § 10.2 (d)(2)(ii) (renumbered § 10.2 (f)(2)(ii)) does not clarify the nature of dependent Indian community. Dependent Indian communities, as defined in 18 U.S.C. 1151 (b), include those Indian communities under Federal protection that were neither "reserved" formally, nor designated specifically as a reservation. Cohen, in The Field of Indian Law (1982:38) concludes that "it is apparent that Indian reservations and dependent Indian communities are not two distinct definitions of place but rather definitions which largely overlap. All Indian reservations are also dependent Indian communities

unless they are uninhabited." In addition to Indian reservations, dependent Indian communities also include patented parcels of land and rights-of-way within residential Indian communities under Federal protection. One commenter recommend joining § 10.2 (d)(2)(i), (ii), and (iii) (renumbered § 10.2 (f)(2)(i), (ii), and (iii)) with "or" at the end of the first two lines. This change has been made.

Nine commenters recommended changes to the definition of aboriginal lands in § 10.2 (c)(3). Four commenters challenged use of Indian Claims Commission judgements to determine aboriginal territories. One commenter recommended using Native American origin stories and anthropological evidence instead. A second commenter recommended that the limits of aboriginal territory must come directly from the Indian tribe itself. A third commenter recommended expanding the definition to include all ceded lands and all lands traditionally used by an Indian tribe, regardless of whether there may have been overlapping usage by neighboring Indian tribes. The Indian Claims Commission was established in 1949 specifically to adjudicate tribal land claims against the United States. Over 200 cases were settled between 1949 and 1978 when the Commission was terminated. Since 1978, Indian land claims have been adjudicated by the United States Court of Claims. The Commission and the Court have considered a wide range of information, including oral history and anthropological evidence, in reaching their decisions. Section 3 (a)(1)(C) of the Act specifically gives Indian tribes the right to claim human remains, funerary objects, sacred objects, or objects of cultural patrimony excavated intentionally or discovered inadvertently on Federal land that is recognized by a final judgement of the Indian Claims Commission or United States Court of Claims as part of their aboriginal land. The drafters consider the final judgements of the Indian Claims Commission a valuable tool for identifying area occupied aboriginally by a present-day Indian tribe. Other sources of information regarding aboriginal occupation should also be consulted. The definition has been deleted from the rule.

One commenter questioned whether provisions of the Act regarding intentional excavation or inadvertent discovery of human remains, funerary objects, sacred objects, or objects of cultural patrimony apply to all aboriginal lands, or just to that portion of an Indian tribe's aboriginal territory that is now in Federal ownership or control. These regulations apply to claims for human remains, funerary objects, sacred objects, or objects of cultural patrimony excavated intentionally or discovered inadvertently on Federal lands. One commenter requested reference information for final judgements by the Court of Claims. One commenter stated that the map of aboriginal lands included with the final report of the Indian Claims Commission is out of print, out of date, and difficult to use as neither counties nor detailed geographic indicators are provided. The United States Geological Survey has recently republished the 1978 map. Efforts are underway to update the map to include land claims settled since 1978. One commenter inquired about the status of Indian tribes that have filed a land claim for a particular area, but for which a court judgement or ruling from the court has been made. An Indian tribe's status to make a claim under the Act based upon aboriginal occupation of an area is recognized when a favorable court judgement or ruling has been made. However, this situation will only affect the disposition of human remains, funerary objects, sacred objects, or objects of cultural patrimony excavated intentionally or discovered inadvertently on Federal land where no lineal descendants or culturally affiliated Indian tribe has made a claim.

Subsection 10.2 (g) includes definitions of procedures required to carry out these regulations. Two commenters asked for clarification of the difference between the items included on the summary in § 10.2 (e)(1) (renumbered § 10.2 (g)(1)) and the items on the inventory in § 10.2 (e)(2) (renumbered § 10.2 (g)(2)). Summaries are written general descriptions of collections or portions of collections that may contain unassociated funerary objects, sacred objects, and objects of cultural patrimony. Inventories are item-by-item descriptions of human remains and associated funerary objects. The distinction between the documents reflects not only their subject matter, but also their detail (brief overview vs. item-by-item list), and place within the process. Summaries represent an initial exchange of information prior to consultation while inventories are documents completed in consultation with Indian tribe officials and representing a decision by the museum official or Federal agency official about the cultural affiliation of human remains and associated funerary objects.

One commenter recommended including a definition of "repatriation" in the regulations. The rules of statutory construction require interpreting undefined terms according to their common meaning. Repatriation means the return of someone or something to its nation of origin.

One commenter recommended inclusion of a definition for "appropriate care and treatment" of human remains, funerary objects, sacred objects, or objects of cultural patrimony. The appropriateness of particular types of care and treatment will necessarily depend on the nature of the particular human remains, funerary objects, sacred objects, or objects of cultural patrimony under consideration and the concerns of any lineal descendants or affiliated Indian tribes or Native Hawaiian organizations.

Three commenters recommended changes to the definition of intentional excavation in 10.2 (e)(3) (renumbered § 10.2 (g)(3)). One commenter recommended

deleting the word "planned" from the definition to embrace all kinds of archeological removal, whether planned or occasioned by an encounter with human remains, funerary objects, sacred objects, or objects of cultural patrimony during construction or land use. One commenter recommended expanding the definition to include intentional excavations on private lands. One commenter recommended replacing the definition with "means intentional removal for the purposes of discovery, study, or removal of such items" from section 3(c) of the statute. These changes are unnecessary or inappropriate and were not made.

Two commenters recommended changes to the definition of inadvertent discovery in 10.2 (e)(4) (renumbered § 10.2 (g)(4)). One commenter recommended replacing "inadvertent" with "accidental, unintended, unpredictable, or unexpected in spite of all precaution," to avoid any presumption that such discoveries were made without forethought or through negligence. Another commenter recommended expanding the definition to include inadvertent discoveries on private lands. These changes are unnecessary or not appropriate and were not made.

Section 10.3

This section carries out section 3(c) of the Act regarding the custody of human remains, funerary objects, sacred objects, or objects of cultural patrimony that are excavated intentionally from Federal or tribal lands after November 16, 1990. One commenter recommended stating explicitly that the section applies only to Native American human remains and not to non-Native American human remains such as mountain men or early settler burials. The language has not been changed as all provisions of these regulations apply only to Native American human remains, funerary objects, sacred objects or objects of cultural patrimony. One commenter requested reviewing use of the term "intentional excavation" throughout the section to ensure consistency with the statutory language. Section 3(c) of the Act applies to the "intentional removal from or excavation of Native American [human remains and] cultural items from Federal or tribal lands for the purposes of discovery, study, or removal." This definition includes scientific archeological excavations for independent research, public interpretation, or as part of planned removal of human remains during land-disturbing activities such as construction projects.

One commenter recommended the regulations focus on "more protection of archeological sites . . . for research by the scientific community." The Act certainly has as one goal improved protection of in situ archeological sites. However, this protection is afforded not simply to allow for more scientific study. Rather, the intent is to preserve and protect Native American graves, allowing for their scientific examination only as necessary and appropriate.

Two commenters requested clarification of the clause "if otherwise required" regarding the necessity for obtaining a permit issued pursuant to the Archeological Resources Protection Act (ARPA) in § 10.3 (b)(1). The clause has been deleted. The Review Committee recommended additional clarification in § 10.3 (b)(1) regarding issuance of ARPA permits on private holdings within the exterior boundaries of Indian reservations and on lands administered for the benefit of Native Hawaiians pursuant to the Hawaiian Homes Commission Act. Language regarding issuance of permits on these lands has been included.

One commenter recommended requiring the consent of culturally affiliated Indian tribes and Native Hawaiian organizations for intentional excavations on both Federal and tribal lands. Another commenter recommended requiring the consent of traditional religious leaders for intentional excavations on both Federal and tribal lands. These changes have not been made. Section 3 (c)(2) of the Act authorizes excavation or removal of human remains, funerary objects, sacred objects, or objects of cultural patrimony only after consultation with or, in the case of tribal lands, consent of the appropriate Indian tribe or Native Hawaiian organization. One commenter recommended that § 10.3 (b)(4) not be "the only requisite for intentional excavation." The requirements of § 10.3 (b)(1) through (4) must all be met before conducting an intentional excavation.

One commenter recommended changing the title of § 10.3(c) from "Procedures" to "Disturbances during authorized land use." The procedures outlined in this subsection apply to intentional removal or excavation of human remains, funerary objects, sacred objects, or objects of cultural patrimony from Federal or tribal land and not disturbance during authorized land use, which is dealt with under § 10.4 regarding inadvertent discovery of human remains, funerary objects, sacred objects, or objects of cultural patrimony on Federal or tribal lands. One commenter suggested that § 10.3 (c)(1) confuses the issue of who—"any person" or the Federal official—is responsible for complying with the provisions of the regulations regarding intentional excavations, and recommended deleting the section. Two commenters requested clarification of an "activity" as referred to in the first sentence of § 10.3 (c)(1). The subsection has been deleted and subsequent subsections renumbered.

One commenter requested clearly defining "responsible Federal agency." The Federal agency with the responsibility for issuing approvals or permits on actions within their designated Federal lands is the responsible Federal agency under the Act. In situations when two or more Federal agencies share regulatory or management jurisdiction of Federal land, the Federal agency

with primary management authority will have control for purposes of carrying out these regulations unless otherwise agreed.

One commenter recommended requiring any person who proposes to undertake an activity on Federal or tribal lands that may result in the intentional excavation of human remains, funerary objects, sacred objects, or objects of cultural patrimony to notify all affected parties, including culturally affiliated Indian tribes and Native Hawaiian organizations. The Federal agency official—and not a person proposing to undertake an activity on Federal lands—is responsible for the management of lands under his or her control and is the appropriate person to notify Indian tribes and Native Hawaiian organizations of intentional excavations. The Federal agency official, once notified by a person of such an activity, is required to take reasonable steps to determine whether the planned activity may result in the intentional excavation of human remains, funerary objects, sacred objects, or objects of cultural patrimony. Prior to issuing any approvals or permits, the Federal agency official must notify in writing the Indian tribe or Native Hawaiian organizations that are likely to be affiliated with any excavated items. A person proposing to undertake an activity on tribal lands should contact the appropriate tribal official directly.

One commenter recommended requiring the Federal official identified in the first sentence of § 10.3 (c)(2) (renumbered § 10.3 (c)(1)) to meet the Secretary's standards for persons conducting ethnohistoric research. There currently are no Secretary's standards for ethnohistoric research. Each agency is responsible for ensuring that their employees are qualified to conduct the work required of them. One commenter recommended clarifying the "reasonable steps" required of Federal officials to explicitly include completion of Stage I surveys for of all planned ground-disturbing activities as required under section 106 of the NHPA. The type of steps taken by a Federal agency official are expected of vary from case-to-case and have not been specified in these regulations.

One commenter recommended requiring Federal officials to take reasonable steps regarding planned activities "or Federal actions." The recommended language has not been added as it might be interpreted to refer to Federal actions on non-Federal lands. Provisions of the Act regarding intentional excavations and inadvertent discoveries apply only to activities occurring on Federal and tribal lands.

One commenter questioned whether the responsible Federal agency official need be notified regarding planned activities for which there is no indication that disturbance of human remains, funerary objects, sacred objects, or objects of cultural patrimony is likely. These regulations do not require notification of the responsible Federal agency official regarding planned activities for which intentional excavation or removal of human remains, funerary objects, sacred objects, or objects of cultural patrimony is not anticipated. Human remains, funerary objects, sacred objects, or objects of cultural patrimony discovered inadvertently during such an activity would require cessation of activity for thirty (30) days while the Federal official consults with affiliated Indian tribes and Native Hawaiian organizations.

One commenter questioned whether the phrase "otherwise required by law" in the second sentence of § 10.3 (c)(2) (renumbered § 10.3 (c)(1)) referred to "approvals or permits" or to "activities." The sentence has been rewritten as "required approvals or permits for activities." One commenter recommended including language requiring Federal agency officials to notify both Indian tribe officials and traditional religious leaders and obtaining that written approval from the traditional leaders prior to issuance of required approvals or permits. The Act requires Federal agency officials to consult with Indian tribes and Native Hawaiian organizations regarding the disposition of human remains, funerary objects, sacred objects, or objects of cultural patrimony excavated intentionally or discovered inadvertently on Federal or tribal lands. Consultation with traditional religious leaders is required regarding the identification of cultural items in museum or Federal agency collections. The consent of traditional religious leaders prior to the issuance of approvals or permits is not required by the Act. One commenter recommended inclusion of provisions requiring a minimum of at least ten days advance warning of any proposed meeting in the Federal agency official's notification to culturally affiliated Indian tribes or Native Hawaiian organizations. The recommended requirement could needlessly delay consultation between Federal and tribal officials. Federal officials should include adequate advance notice of upcoming meetings, but the necessary time will vary according to the situation and existing relationship between the Federal agency and the Indian tribes or Native Hawaiian organizations. The text has not been changed.

One commenter questioned the necessity of distinguishing in the third sentence of § 10.3 (c)(2) (renumbered § 10.3 (c)(1)) between culturally affiliated Indian tribes and those Indian tribes that aboriginally occupied an area. The priority order for evaluating claims of human remains, funerary objects, sacred objects, or objects of cultural patrimony excavated intentionally or discovered inadvertently on Federal or tribal lands, provided in Section 3 of Act, includes Indian tribes that are recognized as aboriginally occupying the area in which the objects were identified. The regulatory language ensures that those Indian tribes that aboriginally occupied an area are notified of planned activities that may result in the intentional excavation of human remains, funerary objects, sacred objects, or objects of cultural patrimony.

Another commenter recommended including state-recognized intertribal councils in the notification process. Section 12 of the Act makes clear the special relationship between the Federal government and Indian tribes. Federal officials are thus directed to consult directly with Indian tribes. Indian tribes may however, delegate their consultation responsibilities to other organizations, including state inter-tribal councils. One commenter recommended following written notification by telephone contact if there is no response in 15 days. Language to that effect has been inserted as the second to last line of the section. One commenter recommended that, after consultation, Federal officials are required to complete a written plan of action as described in § 10.5 (e) and to execute the actions called for in the plan of action. The recommended text has been inserted as § 10.3 (c)(2) and all subsequent subsections renumbered.

Two commenters objected to § 10.3 (c)(3) on the grounds that by exhorting Federal agencies to coordinate activities required by these regulations with the compliance procedures for section 106 of the NHPA, the regulations give the impression that human remains, funerary objects, sacred objects, or objects of cultural patrimony would be eligible for the National Register of Historic Places. Four other commenters recommended the subsection either be left as is, or edited to require such coordination to ensure consistency between and among Federal agencies. One commenter recommended excluding such "secondary agencies as the State Historic Preservation Officers" from the consultation process. The subsection is intended to remind Federal agencies of similarities between the two consultation processes while providing the necessary latitude for designing effective and situation-specific procedures. The text has not been changed.

Two commenters objected to identification in § 10.3 (c)(4) of the Indian tribe as being responsible for compliance with provisions of the Act regarding intentional excavations on their lands. Section 3 (a)(2)(A) of the Act makes it clear that Indian tribes have preference regarding custody of human remains, funerary objects, sacred objects, or objects of cultural patrimony excavated intentionally or discovered inadvertently on their tribal lands second only to lineal descendants. The regulatory text is consistent with Federal recognition of an Indian tribe's sovereignty regarding administration of their lands and has not been changed. Another commenter requested clarification of whether the intentional excavation provisions apply to lands exchanged by Indian tribes. In general, the provisions regarding intentional excavations and inadvertent discoveries apply to Federal lands and those lands currently held in trust by the United States for an Indian tribe. Lands outside the exterior boundary of an Indian reservation that are held in trust by the United States for an Indian tribe do not meet the statutory definition of tribal lands. These lands are under Federal control, and the provisions for intentional excavation and inadvertent discovery on Federal lands apply. The provisions of these regulations do not apply to lands owned by an Indian tribe that have not been accepted into trust by the United States. Another commenter requested clarification regarding which Federal agency would have primary responsibility for compliance with the intentional excavation and inadvertent discovery provisions of these regulations for proposed or existing coal mining operations on tribal lands. Any person who proposes to undertake an activity on tribal lands that may result in the intentional excavation of human remains, funerary objects, sacred objects, or objects of cultural patrimony must immediately notify in writing the responsible Indian tribe official. The tribal official then decides what, if any, steps to take. One commenter recommended including a deadline for Indian tribe response to notification of an activity planned for tribal lands. A deadline for Indian tribal response regarding proposed intentional excavations on tribal land is not considered appropriate as section 3 (c)(2) of the Act makes it clear that any intentional excavation or removal of human remains, funerary objects, sacred objects, or objects of cultural patrimony on tribal land requires the consent of the appropriate Indian tribe or Native Hawaiian organization. Another commenter recommended clarifying that the Indian tribe should take appropriate steps to make certain that the "treatment and disposition" of human remains, funerary objects, sacred objects, or objects of cultural patrimony be carried out. The recommended language has been included.

Section 10.4

This section carries out section 3 (d) of the Act regarding the custody of human remains, funerary objects, sacred objects, or objects of cultural patrimony that are discovered inadvertently on Federal or tribal lands after November 16, 1990. One commenter requested replacement of the word "inadvertent" in the section title with "unintended." Section 3 (d) of the Act addresses the inadvertent discovery of human remains, funerary objects, sacred objects, or objects of cultural patrimony as part of approved work projects as well as other, unintentional discoveries on Federal or tribal lands. The statutory term covers both meanings adequately and has been retained in the title and throughout the text.

One commenter felt the entire section needed to be more specific. One commenter recommended editing the general statement in § 10.4 (a) to state explicitly that the provisions apply only to "Native American" human remains, funerary objects, sacred objects, or objects of cultural patrimony. The definition of human remains, funerary objects, sacred objects, or objects of cultural patrimony in § 10.2 (d) make it clear that these regulations only apply to Native American human

remains, funerary objects, sacred objects, or objects of cultural patrimony. One commenter requested clarification in the regulations regarding treatment of disarticulated and unassociated human remains. Section 10.4 of the Act covers the treatment and disposition of such human remains under "Inadvertent Discoveries."

Two commenters recommended revising the first sentence of § 10.4 (b) to require the person making an inadvertent discovery, and not just anyone that knows of an inadvertent discovery, to notify the responsible Federal official. The phrase has been revised to more closely reflect the statutory language. Another commenter recommended that the notification of the responsible Federal official be immediate, via telephone or fax, to ensure that the activity is ceased as soon as possible. The text has been modified to require immediate telephone notification of the inadvertent discovery with written confirmation following. One commenter recommended inclusion of language in this subsection restating that determination of lineal descent or cultural affiliation usually require physical anthropological study, laboratory analysis, radiocarbon dating, and other study to make a legally defendable statement. The criteria for determining lineal descent and cultural affiliation, which may include these kinds of examinations, are contained in § 10.14, and apply throughout these regulations; they have not been repeated in this section. Another commenter recommended requiring professional investigation sufficient to complete an accurate identification of the nature of the inadvertent discovery prior to notifying the responsible Federal agency official or Indian tribe official to ensure that the procedures are not carried out unnecessarily. The drafters consider requiring the complete professional identification of inadvertently discovered human remains, funerary objects, sacred objects, or objects of cultural patrimony prior to notification of the responsible Federal or Indian tribe officials inconsistent with the statutory language and the legislative history. One commenter requested clarification of the responsibilities of the person making an inadvertent discovery for notifying other agencies, such as the local police, coroner, and the State Historic Preservation Officer. Requirements for notification of local or state officials vary by jurisdiction and have not been addressed in this rule. Subsection 10.4 (f) of these regulations suggests Federal land managers coordinate their responsibilities under this section with their emergency discovery responsibilities under section 106 of the NHPA which includes notification of the State Historic Preservation Officer. One commenter recommended modifying the text to require Federal agency employees working on tribal lands to immediately notify their supervisor, who in turn will notify the Indian tribe official. Section 3 (d)(1) of the Act requires notification of Indian tribe officials regarding inadvertent discoveries on tribal lands. Federal agency officials conducting activities on tribal lands should ensure that their employees are familiar with the notification procedures of these regulations. One commenter recommended expanding this subsection to include provisions to ensure that a Federal agency documents and acts on reported inadvertent discoveries. Federal agency officials are required to comply with the provisions of these regulations.

One commenter recommended applying the cessation of activity following inadvertent discovery of human remains, funerary objects, sacred objects, or objects of cultural patrimony on Federal or tribal lands in § 10.4(c) only to burials in areas that will not be disturbed and in emergency discovery situations. This suggestion runs counter to the statutory requirements and the regulatory language has not been changed. Two commenters requested clarification of the phrases "in the area of the discovery" and a "reasonable effort" regarding protection of human remains, funerary objects, sacred objects, or objects of cultural patrimony following inadvertent discovery. The terms have not been precisely defined in recognition of the variability of site locations and types. In general, the terms are interpreted in a fashion that adequately protects the human remains, funerary objects, sacred objects, or objects of cultural patrimony from additional damage.

One commenter recommended editing and renumbering § 10.4 (a), (e), and (f) to more accurately reflect the distinctions between procedures on Federal lands and those for tribal lands. The text of § 10.4 (d) has been renumbered § 10.4 (d)(1) and § 10.4 (e) has been renumbered as § 10.4 (d)(2).

Two commenters recommended including additional text in § 10.4 (d)(1) (renumbered section 10.4 (d)(1)(i)) directing Federal agencies to establish a process for certifying the receipt of inadvertent discovery notifications and training personnel responsible for such certifications by a specific date. Certification procedures for the receipt of notifications—such as those resulting from inadvertent discoveries—are already in place with all land management Federal agencies and need only be modified to the specifics of these regulations. One commenter recommended including additional examples of steps to secure and protect inadvertently discovered human remains, funerary objects, sacred objects, or objects of cultural patrimony—such as fencing, 24-hour surveillance in populated areas—in § 10.4 (d)(2) (renumbered section 10.4 (d)(1)(i)). Specific steps to secure and protect inadvertently discovered human remains, funerary objects, sacred objects, or objects of cultural patrimony will vary from site-to-site and have not been specified in this rule.

Seven commenters recommended extending the one (1) day deadline for notification of affiliated Indian tribes by Federal agency officials in § 10.4 (d)(3), with suggestions ranging anywhere from three to ten days.

The one (1) day deadline was designed to ensure that Federal agency officials and Indian tribe officials maximize the amount of time available for consultation regarding the treatment and disposition of inadvertently discovered human remains, funerary objects, sacred objects, or objects of cultural patrimony. The Act requires that the thirty (30)-day cessation of the activity begins with the Federal agency official certifying receipt of notification from the inadvertent discoverer of the human remains, funerary objects, sacred objects, or objects of cultural patrimony. As a result, any additional time provided the Federal agency official to contact the appropriate Indian tribe official is time taken away from the consultation process. In recognition of the inherent notification difficulties, the drafters have modified the initial notification requirements to require the person making the inadvertent discovery to provide immediate telephone notification with written confirmation to the Federal official. Certification of the notification by the Federal official and the required notification of the Indian tribe official occurs upon receipt of the written confirmation, thus providing the Federal agency official with some additional time between the telephone call and receipt of the written notice to identify the appropriate Indian tribe officials. The one (1) day notification deadline has been extended to three (3) working days. One commenter requested clarification for the phrase "Indian tribe or tribes known or likely to be affiliated." It should be noted that this initial contact is designed to notify those Indian tribes or Native Hawaiian organizations that are "likely" to be affiliated with the inadvertently discovered human remains, funerary objects, sacred objects, or objects of cultural patrimony. Federal agencies are encouraged to compile a listing of the appropriate Indian tribes or Native Hawaiian organizations and their officials as soon as possible to facilitate rapid notification when an inadvertent discovery is made. Determination of the specific affiliation of the inadvertently discovered human remains, funerary objects, sacred objects, or objects of cultural patrimony can be made during the thirty (30) day cessation of activity. Two commenters requested clarification of the phrase "if known" in § 10.4 (d)(3) (renumbered § 10.4 (d)(1)(iii)) regarding the required notification of Indian tribes which aboriginally occupied the area in which human remains, funerary objects, sacred objects, or objects of cultural patrimony have been discovered inadvertently. Information regarding the aboriginal lands of Indian tribes is readily available to Federal agency officials from the results of Indian Land Claims Commission and Court of Claims decisions. "If known" has been deleted.

One commenter recommended suspending the initiation of consultation required in § 10.4 (d)(4) (renumbered § 10.4(d)(1)(ii)) for up to thirty (30) days in cases of illegal excavation or violation of Federal law, specifically in cases where confidential criminal investigation are being conducted. As the likely custodians of illegally excavated human remains, funerary objects, sacred objects, or objects of cultural patrimony pursuant to section 3 of the Act, the appropriate Indian tribe or Native Hawaiian organization should be notified of the inadvertently discovery and consulted as part of any ongoing investigation. The responsibility to pursue ARPA investigations does not devolve from the land manager's law enforcement agency merely because consultation is required under this Act. If an ARPA investigation is under way, the law enforcement agents involved should immediately notify their superiors and other Federal agency officials involved in NAGPRA consultation if any aspect of NAGPRA consultation is likely to interfere with the investigation.

Six commenters recommended changing the length of the required cessation of activities in § 10.4 (e) (renumbered § 10.4 (d)(2)). Four commenters recommended reducing the period—to fifteen (15) days, seven (7) days, or deleted entirely—while two commenters recommended extending the period until the affiliated Indian tribe or Native Hawaiian organization consents to continuation of the project. The thirty (30) day period for cessation of activities in the area of an inadvertent discovery is stipulated in section 5 (d) of the Act and has not been changed. Three commenters requested clarification of the stipulation that activity may resume after thirty (30) days, "if the resumption of the activity is otherwise lawful." The phrase is used to acknowledge that provisions of other statutes, such as section 106 of the NHPA, may also apply to a particular inadvertent discovery and the resumption of activities in the area of the inadvertent discovery must comply with other legal requirements as well as those of these regulations.

Four commenters requested clarification of the procedures following the thirty (30)-day cessation of activity. After consulting with the affiliated Indian tribe or Native Hawaiian organization during the thirty day (30) cessation of activity, the Federal agency official must make a decision regarding the treatment, excavation, and disposition of any inadvertently discovered human remains, funerary objects, sacred objects, or objects of cultural patrimony. The options may include preservation in situ or excavation of the human remains, funerary objects, sacred objects, or objects of cultural patrimony. This decision must be informed by the consultation process, but obviously will take into account other considerations as well. One commenter requested clarification regarding the responsibility for costs incurred during the required work cessation. Responsibility for costs incurred during the required work cessation will depend upon the nature of the contract drawn between the Federal agency and the appropriate contractor. One commenter recommended additional

language indicating that resumption of an activity in the area of inadvertent discovery can occur only after the human remains, funerary objects, sacred objects, or objects of cultural patrimony have been removed or treated. Determining the disposition of human remains, funerary objects, sacred objects, or objects of cultural patrimony discovered inadvertently on Federal and tribe land can only occur after consultation with affiliated Indian tribes and Native Hawaiian organizations. The drafters consider it premature to stipulate the outcomes.

One commenter recommended accompanying the written, binding agreement between the Federal agency and the affiliated Indian tribes or Native Hawaiian organizations in the second sentence of § 10.4 (e) (renumbered 10.4 (d)(2)) by a letter from the appropriate Indian tribe official expressing agreement with a proposed course of action. The nature of agreements between Federal agencies and Indian tribes and Native Hawaiian organizations will depend upon the specific situation and have not been defined precisely in these regulations. Four commenters recommended clarifying the phrase "necessary parties." The phrase has been replaced with "Federal agency and the affiliated Indian tribes or Native Hawaiian organizations." One commenter inquired whether a memorandum of agreement signed and executed under the NHPA prior to any inadvertent discovery would take priority standing. Such an agreement might apply if the agreement specifies the plan for the removal, treatment, and disposition of the human remains, funerary objects, sacred objects, or objects of cultural patrimony; the agreement is considered binding by both the Federal agency and the affiliated Indian tribes or Native Hawaiian organizations; and, the agreement is consistent with the requirements of the Act and these regulations.

One commenter identified § 10.4 (f) (renumbered section 10.4 (e)) as an "absurd attempt to fob off the Federal agency's responsibilities onto the tribes." Requiring a Federal agency to act as intermediary between the person inadvertently discovering human remains, funerary objects, sacred objects, or objects of cultural patrimony and the Indian tribe on whose land the human remains, funerary objects, sacred objects, or objects of cultural patrimony have been discovered inadvertently is counter to the goal of the statute, as expressed in the legislative history, of facilitating direct dialogue. One commenter recommended inclusion in this subsection of a listing of those actions required of Indian tribe officials under the Act. The subsection has been amended to include the recommended text. One commenter recommended inclusion of a specified deadline for an Indian tribe to respond following notification of the inadvertent discovery of human remains, funerary objects, sacred objects, or objects of cultural patrimony. The drafters consider it inappropriate to impose a deadline for Indian tribe response following notification. One commenter recommended inclusion of a section regarding the resumption of activity on tribal lands. The recommended section has been included as § 10.4 (e)(2).

One commenter identified § 10.4 (g) (renumbered § 10.4 (f)) as serving only to confuse requirements and procedures stemming from distinct laws with distinct purposes and recommended deleting the subsection. Other commenters identified § 10.4 (g) as being most welcome, but recommended omitting the specific regulatory citations in light of current efforts to amend regulations for the NHPA. The citations have been retained to facilitate cross-referencing. One commenter recommended clarifying the subsection to indicate that the inadvertent discovery of human remains, funerary objects, sacred objects, or objects of cultural patrimony does not necessarily require an agreement under section 106 of the NHPA. Not all human remains, funerary objects, sacred objects, or objects of cultural patrimony are deemed eligible for the National Register of Historic Places and thus do not fall within the purview of the NHPA. Their inadvertent discovery would thus not require such an agreement. Two commenters recommended including specific language to outline the relationship between provisions of the Act and those of ARPA, NHPA, and the American Indian Religious Freedom Act (AIRFA). The details of how Federal agencies coordinate their responsibilities under the various statutes will depend on their procedures and specific situations; the text has not been modified. However, § 110 (a)(2)(E)(iii) of the NHPA requires Federal agencies to provide for the disposition of Native American human remains, funerary objects, sacred objects, and objects of cultural patrimony in a manner consistent with the Act. Further, section 112 (b)(3) and (b)(4) require the Secretary of the Interior to publish guidelines to encourage private owners as well as Federal, state, and tribal governments to protect Native American human remains, funerary objects, sacred objects, and object of cultural patrimony.

One commenter recommended including language at § 10.4 (g) requiring all authorizations to carry out land use activities on Federal lands or tribal lands, including all leases and permits, to include a requirement for the holder of the authorization to notify the appropriate Federal or tribal official immediately upon the discovery of human remains, funerary objects, sacred objects, or objects of cultural patrimony. The language is included in the text.

Section 10.5

This section establishes requirements for consultation as part of the intentional excavation or inadvertent discovery of human remains, funerary objects, sacred objects, or objects of cultural patrimony on Federal

lands. One commenter objected to the implication in the first sentence of the section that consultation is necessarily "part of" the intentional excavation or inadvertent discovery process. The Act requires consultation as part of intentional excavation and inadvertent discovery situations. The language has been retained. One commenter recommended replacing the phrase "Federal lands" with "land in the United States, its territories, or possessions." Provisions of section 3 of the Act are clearly limited to Federal and tribal lands. The language has been retained. One commenter recommended that "a minimum set of standards be identified for the scientific study of human remains and associated grave goods." Section 5 (a)(2) of the Act precludes using the Act as an authorization for the initiation of new scientific studies of human remains and associated funerary objects. The recommended language has not been included.

Two commenters recommended revising the first sentence of § 10.5 (a) to coordinate contact with traditional religious leaders through the appropriate Indian tribe. The most appropriate method for contacting traditional religious leaders will vary between Indian tribes. The language has been retained to provide this necessary flexibility. Another commenter recommended clarifying that consultation must be conducted without regard to state boundaries. The widespread relocation of Indian tribes during the eighteenth and nineteenth centuries means that consultation may often require contact with Indian tribes that are no long resident in the area of the intentional excavation or inadvertent discovery. Lineal descendants and affiliated Indian tribes and Native Hawaiian organizations must be contacted and consulted with regardless of where they are living presently.

One commenter recommended inserting "the" before "human remains" in § 10.5 (a)(1) to make it clear that the consulting parties may vary from case-to-case. The text has been changed. One commenter recommended changing the "and" between § 10.5 (a)(1) and (a)(2) to "or." The original text has been retained to emphasize the necessity of consulting with Indian tribes that are or are likely to be culturally affiliated with the human remains, funerary objects, sacred objects, or objects of cultural patrimony as well as the Indian tribe on whose aboriginal lands the human remains, funerary objects, sacred objects, or objects of cultural patrimony have been located or are expected to be found and the Indian tribe or Native Hawaiian organization have a demonstrated cultural relationship with the human remains, funerary objects, sacred objects, or objects of cultural patrimony. One commenter recommended deleting § 10.5 (a)(2) in that it assumes a relationship between prehistoric archeological sites and historic use of an area. Section 3 of the Act makes it clear that Indian tribes on whose aboriginal lands human remains, funerary objects, sacred objects, or objects of cultural patrimony have been or are likely to be located need not be culturally affiliated with those human remains, funerary objects, sacred objects, or objects of cultural patrimony to be considered their legitimate custodian. One commenter recommended substituting "excavation" for "activity" in § 10.5 (a)(2). The term "activity" in this sentence refers to "an activity on Federal or tribal lands that may result in the excavation of human remains or cultural items" as defined in § 10.3 (c). The text has been modified to incorporate this clarification.

One commenter recommended deleting "likely" cultural affiliation in the first sentence of § 10.5 (b) since the term is not defined in either the Act or these regulations. The term has been deleted. One commenter recommended replacing the term "objects" in the same sentence with "human remains, funerary objects, sacred objects, or objects of cultural patrimony." The term has been replaced. One commenter recommended deleting the phrase "other Indian tribes that may have a relationship . . ." in the second sentence. The existing phrase is drawn from § 3 (a)(2)(C)(2) of the Act and has been retained. One commenter recommended provisions that require the notice include information regarding the proposed time and place for meetings and the Federal agency's proposed treatment and disposition of the intentionally excavated or inadvertently discovered human remains, funerary objects, sacred objects, or objects of cultural patrimony. The suggested language has been included in the text. One commenter recommended revising the last sentence of § 10.5 (b) to require traditional religious leaders be consulted and their recommendations followed. The requested revision runs counter to the requirements of the Act and has not been included in the text.

Two commenters requested further clarification of the type of activities that constitute consultation. Additional text has been added throughout § 10.5 to clarify the consultation process.

One commenter recommended inclusion of additional language in § 10.5(c) requiring Federal agencies to provide in writing information regarding the nature and general location of any inadvertent discovery or proposed activity. The recommended text has been added. One commenter recommended rewriting Sec. 10.5 (c)(2) to indicate that additional documentation will be supplied if it has been used to identify the cultural affiliation of human remains, funerary objects, sacred objects, or objects of cultural patrimony. The proposed language has been included in the text.

One commenter recommended amending § 10.5 (d) to indicate that failure to respond to the Federal agency's request for information could be taken to signify an Indian tribe's voluntary withdrawal from standing under these sections. Indian tribes or Native Hawaiian organizations that have been duly notified of

an intentional excavation or inadvertent discovery are not required to respond to the Federal agency's request for information. One commenter recommended including language to insure that information provided to Federal agency officials will, at the request of the Indian tribe or Native Hawaiian organization, be held in confidence. The Act provides no specific exemptions from provisions for the Freedom of Information Act for culturally sensitive information. However, Federal agency officials may, at the request of an Indian tribe or Native Hawaiian organization official, take such steps as are considered necessary pursuant to otherwise applicable law to ensure that information of a particularly sensitive nature is not made available to the general public. One commenter recommended changing "collections" in § 10.5 (d)(3) to "human remains, funerary objects, sacred objects, or objects of cultural patrimony." The recommended change has been made. Two commenters identified § 10.5 (d)(5) as being too broad and unlikely to give useful guidance and recommended deleting the subsection. Although not determinant, information about the kinds of cultural items that the Indian tribe or Native Hawaiian organization considers as funerary objects, sacred objects, or objects of cultural patrimony is important and useful for Federal agency officials to make decisions required of them under these regulations. The subsection has been retained.

One commenter recommended tying the requirements in § 10.5 (e) explicitly to the coordinated preparation of individual environmental and cultural resource management plans for projects, facilities, and land units. Integration of the requirements of these regulations with those of other statutes and policies has been left to the discretion of each affected Federal agency. One commenter considered § 10.5 (e) fine as it stands. One commenter recommended requiring the completion of a written plan of action as a result of consultation. The text has been rewritten to make it clear that completion of a written plan of action, approved and signed by the Federal agency official, is required. One commenter recommended requiring the approval and signature of the written plan of action by the affiliated Indian tribe officials. While the approval and signature of Indian tribe officials and other parties is desirable, the concurrence of these officials to the written plan of action is not required. One commenter recommended the written plan of action include in situ preservation to offset what the commenter perceived as a bias toward "excavation, analysis and recordation of imbedded materials," and too narrow a definition of custodial interest in imbedded materials. One commenter requested clarification of the term "treatment" as used in § 10.5 (e)(3) and (e)(7). The term is used throughout these regulations according to its common meaning, that is, a specific manner of dealing with human remains, funerary objects, sacred objects, or objects of cultural patrimony. The specifics of treatment must be considered as part of the consultation process. Two commenters recommended including in situ preservation specifically as a treatment option in § 10.5 (e)(3). Preservation of human remains, funerary objects, sacred objects, or objects of cultural patrimony in place should be considered whenever possible. Because case-by-case examples have not been provided, the option has not been added to the regulatory text. Three commenters recommended including language under § 10.5 (e)(4) to indicate that archeological recording must comply with certain standards. Any archeological activity conducted on Federal or tribal lands, including the intentional excavation or removal of human remains, funerary objects, sacred objects, or objects of cultural patrimony, must meet the standards provided by ARPA. One commenter recommended requiring radiocarbon dating as part of the archeological reporting. Determining the necessity of radiocarbon or other types of analysis must be on a case-by-case basis. One commenter recommended deleting § 10.5 (e)(5) since analysis should only be permitted in the rare circumstance where the cultural affiliation of human remains, funerary objects, sacred objects, or objects of cultural patrimony is not clear. The subsection has been retained to ensure that analysis is discussed thoroughly during the consultation process. One commenter recommended specifying the steps to be followed to contact traditional religious leaders should under § 10.5 (e)(6). The Act does not require consultation between Federal agency officials and traditional religious leaders regarding the intentional excavation or inadvertent discovery of human remains, funerary objects, sacred objects, or objects of cultural patrimony. Identification of traditional religious leaders and the recommended steps in contacting them is left to the discretion of Indian tribe officials. Three commenters recommended specification of a deadline for completion of the written plan of action. Written plans of action should generally be completed during the thirty (30) day consultation period following an inadvertent discovery or prior to issuance of an ARPA permit for intentional excavations.

Three commenters recommended changing the title of § 10.5 (f) from "Programmatic agreements" to Comprehensive agreements" to avoid confusion between agreements developed regarding the treatment and disposition of human remains, funerary objects, sacred objects, or objects of cultural patrimony excavated intentionally or discovered inadvertently on Federal lands and programmatic agreements developed pursuant to provisions of the NHPA. The term "programmatic agreements" has been changed in the title and throughout the subsection to "comprehensive agreements." Two commenters identified such agreements as "an awkward means of accomplishing the intent of the law," and recommended deleting the subsection.

Comprehensive agreements are intended to provide Federal agency officials and Indian tribe officials with an efficient means of ensuring intentionally excavated and inadvertently discovered human remains, funerary objects, sacred objects, or objects of cultural patrimony receive the appropriate treatment and disposition. The subsection has been retained. One commenter objected to the reference to "specific" human remains, funerary objects, sacred objects, or objects of cultural patrimony referenced in the first section of § 10.5 (f) on the grounds that such agreements should define proactively the procedures and criteria for the treatment and disposition of any human remains, funerary objects, sacred objects, or objects of cultural patrimony excavated intentionally or discovered inadvertently. The term has been deleted from the text. One commenter recommended that comprehensive agreements address not only Federal agency land management activities, but Federal agency regulatory responsibilities as well. These regulations address Federal agency responsibilities under the Act. While Federal agency responsibilities under other statutory, regulatory, and policy mandates need to be considered in preparation of such documents, the inclusion of such requirements in these rules is not appropriate. One commenter recommended including language requiring the consent of traditional religious leaders to any comprehensive agreements in the text. The Act does not require consultation between Federal agency officials and traditional religious leaders regarding the treatment or disposition of human remains, funerary objects, sacred objects, or objects of cultural patrimony excavated intentionally or discovered inadvertently on Federal lands. One commenter recommended modifying the last sentence of the subsection to indicate that the "signed" comprehensive agreement should be considered proof of consultation. The text has been edited as recommended.

One commenter recommended requiring Indian tribe officials to consult with and make recommendations following the advice of traditional religious leaders. The Act does not require consultation between Indian tribe officials and traditional religious leaders regarding the intentional excavation or inadvertent discovery of human remains, funerary objects, sacred objects, or objects of cultural patrimony. Consultation with traditional religious leaders is left to the discretion of Indian tribe officials.

Section 10.6

This section carries out section 3 (a) of the Act, subject to the limitations in § 10.15, regarding custody of human remains, funerary objects, sacred objects, or objects of cultural patrimony excavated intentionally or discovered inadvertently on Federal or tribal lands after November 16, 1990. One commenter objected to the terms "legal interest in" and "ownership" as applied to human remains, funerary objects, and objects of cultural patrimony; and recommended replacing the terms with "custodial responsibility." The terms have been changed to "custody" throughout the text. This change, however, is only editorial and does not alter the requirements of the Act. One commenter recommended deleting reference to the limitations in § 10.15 from this section. Limitations on the custodial criteria presented in section 3 (a) of the Act are drawn from section 7 (b), (c), and (e) of the Act. Both § 10.15 and the cross-reference in this section have been retained. One commenter recommended setting limits in this section on just how temporally and culturally far afield claims of custody can be extended reasonably. Applicability of the custody criteria in this section is dependant on the facts of each case and will vary. The type of limits recommended by the commenter are considered inappropriate to such a case-by-case evaluation process. One commenter recommended including language in this section to identify the party responsible for substantiating claims. Lineal descendants or Indian tribes or Native Hawaiian organizations must provide information to substantiate their claims as outlined in § 10.10 (a) and (b).

One commenter recommended concluding the search for the custodian of human remains, funerary objects, sacred objects, or objects of cultural patrimony excavated intentionally or discovered inadvertently on Federal or tribal lands with the first legitimate claimant identified under § 10.6 (a) that declines to make and substantiate a claim. One commenter recommended limiting custody of human remains, funerary objects, sacred objects, or objects of cultural patrimony found on tribal lands to those human remains, funerary objects, sacred objects, or objects of cultural patrimony dating after establishment of the reservation. Two commenters recommended reversing the order of the custody criteria in § 10.6 (a)(2)(i) and (a)(2)(ii) so that culturally affiliated Indian tribes or Native Hawaiian organizations are given preference over tribal land owners. Another commenter recommended giving culturally affiliated Indian tribes preference over tribal land owners in claims for sacred objects or objects of cultural patrimony found on tribal lands. One commenter recommended deleting the custody criteria in § 10.6 (a)(2)(ii) and (a)(2)(iii) and instead have human remains, funerary objects, sacred objects, or objects of cultural patrimony found on Federal lands revert to the United States. One commenter recommended including language under § 10.6 (a)(2)(iii)(A) that would restrict any Indian tribe making a claim based upon its aboriginal occupation of Federal land from any action that would irreparably damage the interests of another Indian tribe who might have a superior claim. The custody criteria in § 10.6 (a) are taken virtually verbatim from section 3 (a) of the Act. All of the above recommendations run counter to

those ownership criteria established by the Act and have not been included in the text.

Three commenters requested clarification in § 10.6 (b) of how the custody criteria effect Federal responsibilities under NHPA and ARPA. To the extent that any conflicts among those laws may exist, it is a general rule of statutory construction that newer and more specific legislation takes precedence over older or more general laws. The custody of human remains, funerary objects, sacred objects, or objects of cultural patrimony excavated intentionally or discovered inadvertently on Federal or tribal lands is as specified in § 10.6 (a).

One commenter stated that the obvious purpose of § 10.6(c) is to create disputes between Indian tribes or between Native Hawaiian organizations regarding the custody of human remains, funerary objects, sacred objects, or objects of cultural patrimony excavated intentionally or discovered inadvertently on Federal lands, and recommended deleting the subsection. One commenter recommended inclusion of language in this subsection indicating that an identified individual, Indian tribe, or Native Hawaiian organization custodian has decision-making authority regarding the treatment and disposition of human remains, funerary objects, sacred objects, or objects of cultural patrimony excavated intentionally or discovered inadvertently on Federal lands. Individual, Indian tribe, or Native Hawaiian custodians of human remains, funerary objects, sacred objects, or objects of cultural patrimony gain complete decision-making authority regarding the treatment and disposition of human remains, funerary objects, sacred objects, or objects of cultural patrimony upon the transfer of those human remains, funerary objects, sacred objects, or objects of cultural patrimony from the Federal agency. One commenter recommended deleting the word "traditional" from the second sentence of § 10.6 (c). Another commenter recommended adding the phrase "of the specific Indian tribe in each instance" at the end of the same sentence for clarification. The recommended language has been added to the text. Two commenters requested clarification of the purpose and nature of the public notices required in the third sentence of § 10.6 (c). Three commenters recommended the publication of notices regarding the disposition of human remains, funerary objects, sacred objects, or objects of cultural patrimony excavated intentionally or discovered inadvertently on Federal lands in the tribal or local newspapers of those Indian tribes that have standing to make a claim under § 10.6 (a), as well as in a newspaper of general circulation in the area in which the human remains, funerary objects, sacred objects, or objects of cultural patrimony were excavated intentionally or discovered inadvertently. Another commenter recommended requiring publication of the notices within seven (7) days of determination of which Indian tribe or Native Hawaiian organization has custodial rights. Another commenter objected to the public notice requirement in that it might offend the sensibilities of those Indian tribes or Native Hawaiian organizations involved. This subsection outlines procedures to ensure due process in the transfer of human remains, funerary objects, sacred objects, or objects of cultural patrimony excavated intentionally or discovered inadvertently on Federal lands to their proper individual, Indian tribe, or Native Hawaiian organization custodian. Notices need only provide information adequate to allow potentially interested lineal descendants, Indian tribes, or Native Hawaiian organizations to determine their interest in claiming custody under these regulations. The requirements regarding publication of public notices have been rewritten for clarity and include provisions for publication in local and tribal newspapers of general circulation in the areas in which culturally affiliated Indian tribes or Native Hawaiian organizations now reside.

Section 10.7

This section has been reserved for procedures for the disposition of unclaimed human remains, funerary objects, sacred objects, or objects of cultural patrimony excavated intentionally or discovered inadvertently on Federal lands or tribal lands after November 16, 1990. One commenter recommended developing this section with input from Indian tribes and Native Hawaiian organizations. Section 3 (b) of the Act requires that regulations regarding the disposition of unclaimed human remains, funerary objects, sacred objects, or objects of cultural patrimony excavated intentionally or discovered inadvertently on Federal or tribe lands be published by the Secretary in consultation with the Review Committee, and representatives of Indian tribes, Native Hawaiian organizations, museums and the scientific community.

Section 10.8

This section carries out Section 6 of the Act related to conducting summaries of collections in the possession or control of museums that receive Federal funding or Federal agencies which may contain unassociated funerary objects, sacred objects, and objects of cultural patrimony. Four commenters objected to use of the phrase "collections that may include . . ." in § 10.8 (a) and throughout the section as overstepping the statutory authorization and giving the mistaken impression that these regulations apply to entire collections and not to specific unassociated funerary objects, sacred objects, and objects of cultural patrimony. The statutory language is unclear whether summaries should include only those unassociated funerary objects, sacred objects, or objects of culturally affiliated with a particular Indian tribe or Native Hawaiian organization, or the entire collection which may include these cultural items. The legislative history and statutory language does

make it clear that the summary is intended as an initial step in bringing an Indian tribe and Native Hawaiian organization into consultation with a museum or Federal agency. Consultation between a museum or Federal agency and an Indian tribe or Native Hawaiian organization is not required until after completion of the summary. Identification of specific sacred objects or objects of cultural patrimony must be done in consultation with Indian tribe representatives and traditional religious leaders since few, if any, museums or Federal agencies have the necessary personnel to make such identifications. Further, identification of specific unassociated funerary objects, sacred objects, and objects of cultural patrimony would require a museum or Federal agency to complete an item-by-item listing first. The drafters opted for the more general approach to completing summaries of collections that may include unassociated funerary objects, sacred objects, or objects of cultural patrimony rather than the itemized list required for the inventories in hopes of enhancing the dialogue between museums, Federal agencies, Indian tribes, and Native Hawaiian organizations required under the Act. One commenter requested clarification of the deadlines and funding responsibility of this section. Section 10.8(c) of these regulations clearly states that summaries under this section are to be sent to affiliated or likely affiliated tribes by November 16, 1993. Funding responsibilities lie with the museums and Federal agencies maintaining such collections. Grants to aid museums, Indian tribes, and Native Hawaiian organizations in carrying out the Act are authorized in section 10 of the Act.

Three commenters questioned use of the term "undertakings" in the last sentence of § 10.8 (a). One commenter (67-3) recommended defining the term as used in section 106 of NHPA. Two commenters recommended changing the term to "activities" or "actions" to make it clear that provisions of the Act do not necessarily apply to Federal "undertakings" conducted on private land. The term has been changed to "actions" to clarify that Federal agencies may not be responsible for ensuring that requirements of this section are met for all collections obtained as part of section 106 "undertakings" on non-Federal land.

One commenter recommended including language in § 10.8 (a) to require Federal agencies to consult with non-Federal institutions prior to initiating consultation with Indian tribes or Native Hawaiian organizations that are culturally affiliated with human remains, funerary objects, sacred objects, or objects of cultural patrimony from Federal lands but currently in the possession of the non-Federal institution. Another commenter recommended including specific language to stress that non-Federal institutions do not have authorization to unilaterally dispose of human remains, funerary objects, sacred objects, or objects of cultural patrimony from Federal lands. Requirements regarding the relationship between Federal agencies and non-Federal institutions are not specified in the Act. ARPA and NHPA assign responsibility for long term care and curation of collections from Federal land and actions to the Federal agency that manages the land or undertakes the action.

One commenter recommended including language in § 10.8 (b) specifying that summaries should include information readily available from museum records as to whether an object is an unassociated funerary object, sacred object, or object of cultural patrimony, as well as an assessment of the general reliability of the records. Information regarding individual unassociated funerary objects, sacred objects, and objects of cultural patrimony is more appropriately shared during the consultation process. The regulatory text has not been changed.

Three commenters recommended including some provision for extension of the November 16, 1993 deadline for completion of the summaries in § 10.8 (c). While provisions for extensions to the November 16, 1995 deadline for completion of inventories of human remains and associated funerary objects are included in section 5(c) of the Act, no such provisions for extension of the summary deadlines are included in either the statutory language or in the legislative history. Provisions for extensions to the summary deadlines have not been included in these regulations.

Six commenters recommended changes regarding the identification of consulting parties in § 10.8 (d)(1). Two commenters recommended deleting § 10.8 (d)(1)(i) requiring consultation with lineal descendants, since section 7 (a)(3) of the Act only requires consultation with lineal descendants to determine the place and manner of delivery of human remains, funerary objects, sacred objects, or objects of cultural patrimony being repatriated. The subsection requiring consultation with lineal descendants has been deleted. Two commenters recommended that identification of traditional religious leaders in § 10.8 (d)(1)(ii) be made by "members of" Indian tribes and Native Hawaiian organizations to be consistent with the definition of that term. The phrase has been edited to conform with the definition of in § 10.2 (a)(13). One commenter recommended deleting § 10.8 (d)(1)(ii)(A) and (a)(ii)(B) requiring consultation with Indian tribes from whose tribal or aboriginal lands unassociated funerary objects, sacred objects, and objects of cultural patrimony were recovered since section 7 (a)(2) of the Act specifies that only lineal descendants and culturally affiliated Indian tribes and Native Hawaiian organizations have standing to make a claim. Another commenter recommended including language in the rule indicating a presumption that the Indian tribe from whose tribal lands unassociated funerary objects, sacred objects, and objects of cultural patrimony were recovered is the custodian. The requirements in § 10.8 (d)(1)(ii)(A) and (d)(1)(ii)(B) are included to ensure

that all Indian tribes and Native Hawaiian organizations that are potentially culturally affiliated with particular unassociated funerary objects, sacred objects, and objects of cultural patrimony are included in the consultation process. Whether an Indian tribe from whose tribal or aboriginal lands a particular unassociated funerary object, sacred object, or objects of cultural patrimony originated is culturally affiliated with that object must be determined on an item-by-item basis. Two commenters recommended deleting the phrase "or likely to be" in § 10.8 (d)(1)(iii). This subsection defines the class of consulting parties from which the culturally affiliated Indian tribe or Native Hawaiian organization will be identified. The phrase is used to indicate that the identification of consulting parties should be inclusive to ensure all Indian tribes and Native Hawaiian organizations that are, or are likely to be culturally affiliated with the unassociated funerary objects, sacred objects, or objects of cultural patrimony are included in the consultation process.

One commenter recommended revising the requirement to initiate consultation no later than the completion of the summary process in § 10.8 (d)(2) to indicate consultation must follow completion of the summary. Another commenter recommended revising the subsection to require the initiation of consultation as early as possible. Another commenter recommended requiring museums and Federal agencies to provide Indian tribes and Native Hawaiian organizations with a "notice of summary" indicating that their collections were under review. The Review Committee recommended revising the subsection to indicate that consultation should result in telephone or face-to-face dialogue. The drafters intend the summary to serve as an initial invitation from the museum or Federal agency to the Indian tribe or Native Hawaiian organization to engage in consultation regarding the identification of unassociated funerary objects, sacred objects, and objects of cultural patrimony in their collection. All museums and Federal agencies are required to complete their summaries by November 16, 1993. Language has been added to the subsection indicating that consultation may be initiated with a letter, but should be followed up by telephone or face-to-face dialogue with the appropriate Indian tribe official.

The Review Committee recommended requiring museums and Federal agencies to provide copies of their summaries to the Departmental Consulting Archeologist in § 10.8 (d)(3). The Departmental Consulting Archeologist provides staff support to the Review Committee, which in turn is required, under section 8 (c)(2) of the Act, to monitor the summary and inventory processes to ensure a fair, objective consideration and assessment of all available relevant information and evidence. The recommended language has been included. One commenter requested clarification regarding the requirement in the second sentence of § 10.8 (d)(3) that museums and Federal agencies, upon request, provide Indian tribes and Native Hawaiian organizations with access to records, catalogues, relevant studies, or other pertinent data. The regulatory language is drawn from section 6 (b)(2) of the Act. Museums or Federal agencies may not limit Indian tribal access to information needed to determine the geographic origin, cultural affiliation, and basic facts surrounding acquisition and accession of object covered by the summary. Museums or Federal agencies are under no obligation to pay the travel or other expenses of visiting Indian tribe representatives or traditional religious leaders.

One commenter recommended inclusion of time limits for Indian tribe and Native Hawaiian organization responses to museum and Federal agency requests for information outlined in § 10.8 (d)(4). No time limits for Indian tribe and Native Hawaiian organization response are included in the statutory language or the legislative history and none have been included in this subsection. Indian tribes and Native Hawaiian organizations are under no requirement to respond to museum or Federal agency requests for information. One commenter recommended revising the request for information under § 10.8 (d)(4)(i) to include the name and address of one or more traditional religious leaders. Requirements to request the name and address of traditional religious leaders have already been included under § 10.8 (d)(4)(iii). One commenter objected to the implication in § 10.8 (d)(4)(ii) that, prior to consultation, a museum or Federal agency official could identify a sacred object in their collection to request the name and address of the lineal descendants of its previous custodian. Documentation may be sufficient to indicate that a particular item in a museum of Federal agency's collection might fit the definition of sacred object. The museum or Federal agency should use this information to advance the consultation process by requesting the name and address of any lineal descendants of its previous custodian. One commenter recommended that the requests for information also include a description of the Indian tribe's traditional kinship system under § 10.8 (d)(4)(ii)(A). Information regarding an Indian tribe's traditional kinship system is only necessary when an individual is claiming an unassociated funerary object or sacred object, and is more appropriately requested at that time. One commenter recommended amending § 10.8 (d)(4)(iii) to require consultation and agreement with the recommendations of traditional religious leaders. The recommended requirement is not appropriate since the statutory language does not require Indian tribes or Native Hawaiian organizations to provide information regarding traditional religious leaders. One commenter recommended limiting the request for information to recommendations on how the consultation process should be conducted and that § 10.8 (d)(4)(i), (4)(ii), (4)(iii), and (4)(v) be deleted. The drafters

recognize that the identification of lineal descendants, funerary objects, sacred objects, and objects of cultural patrimony may require Indian tribes and Native Hawaiian organizations to divulge sensitive information. Requesting the information at the beginning of consultation, however, may lead to a more open and effective consultation process. Indian tribe officials are under no obligation to respond to these inquires.

One commenter, fearing widespread misapplication of these regulations, recommended requiring museums and Federal agency officials to document certain information and use that information to identify unassociated funerary objects, sacred objects, objects of cultural patrimony, lineal descendants, and culturally affiliated Indian tribes and Native Hawaiian organizations. The recommended text has been included as § 10.8 (a) and the subsequent section renumbered. Submission of this information to the Departmental Consulting Archeologist is not required by these regulations. The Review Committee, pursuant to section 8 (f), may request access to this information.

Two commenters requested clarification for requiring notification prior to repatriation of unassociated funerary objects, sacred objects, and objects of cultural patrimony in § 10.8 (e) (renumbered as § 10.8 (f)). The notification required in section 5 (d) of the Act ensures due process regarding the repatriation of human remains and associated funerary objects. Provisions of this subsection extend the notification procedures to ensure due process in the repatriation of unassociated funerary objects, sacred objects, and objects of cultural patrimony. The Review Committee recommended reducing the specificity of the requirement of an object-by-object listing of unassociated funerary objects, sacred objects, and objects of cultural patrimony to be repatriated. The regulatory text has been revised to require a description of any unassociated funerary objects, sacred objects, and objects of cultural patrimony to be repatriated in sufficient detail so as to allow others to determine if they are interested in the claim. Section 10.8 (e) of these regulations requires that museums and Federal agencies consider the same types of information as are required in § 10.9(c) in evaluating requests for repatriation. Two commenters recommended including text establishing a deadline for responses to the required notification. A minimum waiting period of thirty (30) days following publication of the notice of intent to repatriate in the Federal Register is established in § 10.10 (a)(3). Any claim received by a museum or Federal agency prior to actual repatriation, however, should be given full consideration. One commenter recommended requiring museum officials to consult with the appropriate Federal agency officials prior to issuance of notices by the museum regarding unassociated funerary objects, sacred objects, or objects of cultural patrimony that were excavated intentionally or discovered inadvertently on Federal lands. Notices regarding the repatriation of unassociated funerary objects, sacred objects, or objects of cultural patrimony that were excavated from Federal lands can only be issued by the appropriate Federal agency or by an institution specifically authorized to issue such notices by the appropriate Federal agency. One commenter recommended including language in this subsection informing Indian tribes and Native Hawaiian organizations of their right by law to request access to museum or Federal agency records as they relate to the review of their claim. The recommended language is included in § 10.8 (d)(3). The Review Committee recommended inclusion of text in this subsection to reiterate the requirement in § 10.10 (a)(3) that repatriation not occur until at least thirty (30) days after publication of a notice of intent to repatriate in the Federal Register. The proposed language has been included.

Section 10.9

This section presents procedures for carrying out section 5 of the Act related to conducting inventories of human remains and associated funerary objects in the collections of Federal agencies or museums receiving Federal funds. Fifteen commenters recommended changes to the inventory procedures in § 10.9. One commenter requested clarification of the deadlines and funding responsibility of this section. Section 10.9 (f) states that inventories under this section are to be completed not later than November 16, 1995. Funding responsibilities lie with the museums and Federal agencies maintaining such collections. Three commenters requested funding aid to comply with the Act. Although section 10 of the Act authorizes funding in terms of grants to aid museums, Indian tribes, and Native Hawaiian organizations in carrying out the Act, funds were first appropriated.

One commenter requested clarification regarding the term "geographical affiliation" in the first sentence of § 10.9 (a). The term has been changed to "geographical origin" to reflect usage in section 5 (b)(2) of the Act. Two commenters recommended deleting the term "undertakings" from the last sentence of § 10.9 (a) because of its long history as a legal term of art under section 106 of the NHPA. The term has been changed to "actions" to avoid any confusion.

One commenter recommended inclusion of language in § 10.9 (b) stressing that Federal agency officials are responsible for carrying out consultation regarding human remains and associated funerary objects that were excavated or removed from Federal lands and that are currently in a non-Federal repository. One commenter suggested inclusion of language allowing shared responsibility between a Federal agency and curating institution. Federal agency officials are responsible for carrying out the Act regarding all human

remains, funerary objects, sacred objects, or objects of cultural patrimony excavated intentionally or discovered inadvertently on Federal lands, regardless of the type of institution that currently is in possession of those human remains, funerary objects, sacred objects, or objects of cultural patrimony. Section 10.9 (a) emphasizes this responsibility of Federal agencies. Two commenters recommended including a stipulation in § 10.9 (b) allowing a museum or Federal agency to declare that, due to unresponsiveness, no further contact with an Indian tribe or Native Hawaiian organization will be pursued. The drafters consider the recommended language counterproductive to achieving the type of effective consultation envisioned by the Act. Museums and Federal agencies are required to complete inventories of human remains and associated funerary objects in their collections by November 16, 1995. If no response is forthcoming after repeated attempts to contact Indian tribe officials by telephone, fax, and mail, the museum or Federal agency official may be required to complete the inventory without consultation to meet the statutory deadline. The drafters suggest museum and Federal agency officials document attempts to contact Indian tribe officials to demonstrate good faith compliance with these regulations and the Act.

One commenter recommended rewriting the requirements regarding consultation with lineal descendants in § 10.9 (b)(1)(i) to coordinate these activities through designated Indian tribe officials. The statute gives lineal descendants priority over culturally affiliated Indian tribes or Native Hawaiian organizations for the repatriation of human remains, funerary objects, sacred objects, or objects of cultural patrimony. Establishing a system in which contact with lineal descendants is coordinated through Indian tribes or Native Hawaiian organizations would be detrimental to the rights of lineal descendants, particularly those that are not members of an Indian tribe or Native Hawaiian organization. One commenter recommended amending § 10.9 (b)(1)(i) to make it clear that museum and Federal agency officials must consult with lineal descendants of individuals whose remains and associated funerary objects are, in the opinion of the responsible Federal agency official or museum official, likely to be subject to the inventory provisions of these regulations. The drafters consider the current language to describe adequately the responsibilities of Federal agency officials or museum officials regarding consultation with lineal descendants.

One commenter recommended rewording the first sentence of § 10.9 (b)(1)(ii) to make it clear that consultation must be with Indian tribe officials. This change has been made. Two commenters recommended changing the second part of the sentence to indicate that traditional religious leaders must be recognized by members of the Indian tribe. The text has been changed to conform with the definition of in § 10.2 (a)(13). One commenter recommended inserting the word "the" prior to each usage of "human remains" throughout § 10.9 (b)(1)(ii)(A), (B), and (C) to make it clear that the procedures refer to specific human remains and not human remains in general. The recommended change has been made.

Three commenters recommended restructuring the consultation process in § 10.9 (b)(2) to allow museums and Federal agencies to make a tentative determination of cultural affiliation and then allow comment on the determination by interested groups. Section 5 (b)(1)(A) of the Act requires that inventories be completed in consultation with Indian tribe and Native Hawaiian organization officials and traditional religious leaders. The notification procedures in § 10.9 (e) are designed to ensure that all interested parties have the opportunity to participate in the consultation process. Another commenter recommended requiring consultation at the earliest possible moment in the inventory process. Language reflecting the latter recommendation has been included in the text.

One commenter recommended revising § 10.9 (b)(3)(iv) to state that if any additional documentation was used to identify cultural affiliation, this documentation must be made available on request. Language ensuring Indian tribes and Native Hawaiian organization access to relevant documentation is included in § 10.9 (e).

One commenter recommended deleting the word "reasonably" from § 10.9 (b)(4)(v) on the grounds that it is unreasonable for the United States to request an Indian tribe or Native Hawaiian organization to be reasonable in its beliefs regarding objects used for burial purposes. Reasonableness in this context refers to an accepted legal standard and has been retained in the regulatory text.

One commenter objected to the information requirements in § 10.9(c) as exceeding requirements of the Act. Another commenter recommended amending the requirements to ensure that completion of the inventory would not be delayed. The information requirements in § 10.9(c) were drawn from section 5 (a)(2) of the Act. One commenter recommended including text in § 10.9(c) specifying the types of information that can not be requested. The Act does not identify any types of information that can not be requested. The drafters consider inclusion of such a requirement to be detrimental to the development of productive dialogues between museums, Federal agencies, Indian tribes, and Native Hawaiian organizations. One commenter recommended reorganizing the information requirements for clarity. Sections 10.9 (c)(1) through (c)(8) have been reorganized and renumbered. One commenter recommended changing § 10.9 (c)(7) to require either a description or photographic documentation of the human remains, funerary objects, sacred objects, or objects of cultural

patrimony, and not both. The drafters consider description of the human remains, funerary objects, sacred objects, or objects of cultural patrimony to be necessary in all cases, with photographic documentation considered appropriate in some circumstances. The types of information required in § 10.9(c) have not been changed. The drafters feel that careful, detailed consideration of all human remains and associated funerary objects is critical to carry out the statutory requirements. Basic descriptive information is necessary to ensure accountability and that the human remains and associated funerary objects conform to the statutory definitions. Detailed information from Federal agency or museum records and other sources are essential in reaching determinations of lineal descent or cultural affiliation as part of the inventory procedures.

One commenter recommended consolidating the two listings described in § 10.9 (d)(1) and (d)(2) into one list. Separation of the two lists reflects the different purposes intended in the § 10.9 (e) inventory process. The listing of culturally affiliated human remains and associated funerary objects is sent directly to Indian tribes and Native Hawaiian organizations, with a copy to the Departmental Consulting Archeologist. The listing of culturally unidentifiable human remains and associated funerary objects is sent only to the Departmental Consulting Archeologist. One commenter objected to use of the term "clearly" regarding the determination of cultural affiliation in § 10.9 (d)(1) as being contrary to Congressional intent and recommended deleting it from the regulatory text. The term was drawn from section 5 (d)(1)(B) of the Act and reflects Congressional intent. Another commenter recommended keeping the list of those human remains and associated funerary objects that are clearly identifiable as to tribal origin separate from those human remains and associated funerary objects are determined by reasonable belief to be cultural affiliated with the same Indian tribe or Native Hawaiian organization. Since both categories of human remains and associated funerary objects are considered to be culturally affiliated with the Indian tribe or Native Hawaiian organization, and are thus available for repatriation by that Indian tribe or Native Hawaiian organization, there is no practical reason to separate the lists.

One commenter recommended clarifying throughout this subsection that museum or Federal agency officials may need to send the same inventory to multiple Indian tribes or Native Hawaiian organizations. The text has been modified to reflect this concern.

Four commenters recommended replacing the word "shall" in the second sentence of § 10.9 (e)(4) with "should." The Secretary has delegated authority to carry out some provisions of the Act to the Departmental Consulting Archeologist. These responsibilities include providing staff support to the Review Committee. The Review Committee is required under section 8 (c)(2) of the Act to monitor the inventory and identification process. Submission of inventories in electronic format is intended to facilitate the monitoring process. However, in recognition that some museums may have difficulty meeting the electronic format requirement, the drafters have changed the word "shall" in the second sentence to "should." One commenter recommended also allowing Federal agencies to use alternative methods for submission of notices to the Departmental Consulting Archeologist. The phrase "and Federal agencies" has been inserted after "museums" in the text. The Review Committee recommended inclusion of language in this subsection requiring museums and Federal agencies to retain possession of culturally unidentifiable human remains pending promulgation of § 10.11 of these regulations. The recommended language has been included.

One commenter recommended requiring listings of culturally unidentifiable human remains described in § 10.9 (e)(6) be sent to all Indian tribes and Native Hawaiian organizations as well as to the Departmental Consulting Archeologist. Section 8 (c)(5) of the Act gives the Review Committee responsibility for recommending specific action for developing a process for disposition of culturally unidentifiable human remains. Section 10.11 of these regulations has been reserved for that purpose. The drafters consider it premature at this time to establish such procedures.

Two commenters requested extending the November 16, 1995 deadline for completion of inventories in § 10.9 (f). The deadline for completion of inventories is specified in section 5 (b)(1)(B) of the Act and would require Congressional action to change. One commenter recommended including language in this subsection to indicate that the requirement to repatriate may be suspended during the preparation of the inventories. The drafters consider such a suspension of the requirement to repatriate counter to statutory language and legislative history. Two commenters recommended including language in this subsection to allow Federal agencies to apply for extensions of time to complete their inventories. Section 5 (c) of the Act specified that any museum which has made a good faith effort but which has been unable to complete an inventory may appeal to the Secretary for an extension of the time requirements. No provisions are provided in the Act for Federal agencies to apply for extension. One commenter recommended including language in this subsection limiting the number and length of extensions granted to a museum to complete its inventories. The Secretary will determine the number and length of extensions on a case-by-case basis. One commenter recommended requiring museums to apply for an extension in the second sentence of § 10.9 (f). While a museum may chose not to apply for an extension, it is likely that failure to do so would be taken into account by the Secretary in

determining if the museum had failed to comply with the requirements of the Act. One commenter requested clarification regarding a situation in which a museum fails to complete an inventory of human remains and associated funerary objects from Federal lands. Federal agencies are responsible for completion of summaries and inventories of all human remains, funerary objects, sacred objects, or objects of cultural patrimony from Federal lands regardless of the type of institution in which they are currently curated. One commenter recommended incorporation of personnel qualifications in this subsection for individuals involved in the completion of the inventory plan. Museums are expected in make sure that all of their personnel are qualified to undertake the tasks expected of them.

Section 10.10

Thirty-three commenters recommended changes to the section on repatriation. One commenter recommended rewriting § 10.10 (a)(1) and § 10.10 (b)(1) to emphasis that all of the criteria for repatriation must be met. The initial sentence of each section has been rewritten to state "If all the following criteria are met . . ." In addition, the word "and" has been added at the end of all but the final roman numeralled subsections in these two sections. Another commenter requested clarification of the term "expeditiously" which is used in both sections. The rule of statutory construction generally holds that undefined terms are interpreted in their common meaning.

One commenter recommended inclusion of language in § 10.10 (a)(1)(ii) and (b)(1)(ii) allowing several Indian tribes or Native Hawaiian organizations to make joint claims for human remains, funerary objects, sacred objects, or objects of cultural patrimony. The drafters feel the current language allows for joint claims. Another commenter recommended amending § 10.10 (a)(1)(ii) and § 10.10 (b)(1)(ii) to clarify that the cultural affiliation of human remains, funerary objects, sacred objects, or objects of cultural patrimony can be established independently of the summary and inventory processes by presentation of a preponderance of the evidence by a requesting Indian tribe or Native Hawaiian organization. Additional text has been inserted under § 10.10 (a)(1)(ii)(B) and § 10.10 (b)(1)(ii)(B) to clarify this issue. Another commenter requested inserting the phrase "culturally affiliated" before "Indian tribe" in § 10.10 (a)(1)(iii), The recommended text has been included.

One commenter recommended deleting the phrase "which, if standing alone before the introduction of evidence to the contrary" from § 10.10 (a)(1)(iii). This phrase is taken directly from section 7 (c) of the Act regarding the standard of repatriation for unassociated funerary objects, sacred objects, and objects of cultural patrimony; and has been retained in the regulations.

One commenter recommended rewriting § 10.10 (a)(1)(iv) to make clear that a Federal agency or museum must present evidence to overcome the inference of tribal custody and prove its right of possession to unassociated funerary objects, sacred objects, or objects of cultural patrimony. The existing text is drawn from section 7 (c) of the Act and is interpreted to provide Federal agencies with some discretion as to whether information regarding right of possession must be used to challenge a request for repatriation.

One commenter recommended deleting § 10.10 (a)(1)(v) and § 10.10 (b)(1)(iii), referring to specific repatriation exemptions, to avoid confusion and havoc with Indian tribes. The specific exemptions to repatriation referred to in these subsections come from section 7 (b) and (e) of the Act.

Two commenters recommended changes to § 10.10 (a)(2) regarding right of possession. One commenter requested clarification of how right of possession might be demonstrated for prehistoric human remains, funerary objects, sacred objects, or objects of cultural patrimony. The right of possession basis for retaining cultural items in an existing collection does not apply to human remains or associated funerary objects, only to unassociated funerary objects, sacred objects, and objects of cultural patrimony. A right of possession for prehistoric cultural items fitting these categories might be written authorization from a competent authority to excavate, remove, and curate such items from a particular area or site. Another commenter recommended locating the definition of right of possession would more appropriately with the other definitions in § 10.2. The concept of right of possession has limited applicability in these regulations to unassociated funerary objects, sacred objects, and objects of cultural patrimony. The explanation of right of possession is retained at this place in the regulations because it is only used for this specific aspect of the Act.

Three commenters recommended changes to § 10.10 (a)(3) and § 10.10 (b)(2) regarding notification. Two commenters requested clarification of whether the ninety (90) days during which repatriation must take place begins from the day a request for repatriation is received or from the day the responsible museum of Federal agency official makes a positive determination that the criteria for repatriation apply. The first sentence of this section has been redrafted to clarify that the ninety (90) day period begins with the receipt of a written request for repatriation from a culturally affiliated Indian tribe or Native Hawaiian organization. Another commenter stated that ninety (90) days may not be sufficient to determine to validity of each request. Section 7 of the Act requires that repatriation must be done "expeditiously" and implies in section 7 (b) a ninety (90) day time frame for such actions. Text has been added to provide for a longer period if mutually agreed upon. It

is noted that determination of the validity of a claim should not be difficult since this period only applies to requests from Indian tribes and Native Hawaiian organizations that have been determined to be culturally affiliated with specific human remains, funerary objects, sacred objects, or objects of cultural patrimony.

Five commenters recommended changes to § 10.10 (b) regarding the repatriation of human remains and associated funerary objects. One commenter identified the criteria for repatriating human remains and associated funerary objects as being very confusing and recommended rewriting them for comprehension by lay people. One commenter recommended reiterating the applicability of "right of possession" to human remains and associated funerary objects recognized in the last sentence of section 2 (13) of the Act in this section of the regulations. American law generally recognizes that human remains can not be "owned." This interpretation is consistent with the second sentence of section 2 (13) of the Act that specifically refers to unassociated funerary objects, sacred objects, and objects of cultural patrimony, and with section 7 (a)(1) and (a)(2) of the Act in which no right of possession to human remains or associated funerary objects is inferred. One commenter strongly objected to the requirement in § 10.10 (b)(2) that repatriation not occur until at least thirty days after publication of a notice of inventory completion in the Federal Register, referring to section 11 (1)(A) of the Act that states that nothing in the Act shall be construed to limit the authority of any museum or Federal agency to return or repatriate. Publication of the notice in the Federal Register was recognized in section 5 (d)(3) of the Act as necessary to ensure Constitutional due process requirements. Delaying a repatriation for thirty (30) days following publication of the notice provides any other legitimate claimant with an opportunity to come forward with a claim. This requirement in no way limits any organization's authority to repatriate. Section 11 (2) of the Act states that nothing in the Act shall be construed to delay action on repatriation requests "that are pending on the date of enactment of this Act," and makes it clear that Congress anticipated there might be some subsequent delays of repatriation initiated after November 16, 1990, due to the statutory provisions. One commenter asked whether a second Federal Register notice is required to document a claim following publication of a Notice of Inventory Completion. Requests for repatriation made after completion of the inventory and publication of the Notice of Inventory Completion in the Federal Register do not require publication of a second notice, unless it is determined as a result of a competing claim or otherwise that a different Indian tribe or Native Hawaiian organization than the one identified in the original notice is the proper recipient. In such instances, a second Federal Register notice is required prior to repatriation. In situations where more than one Indian tribe or Native Hawaiian organization was listed in the original notice, the museum or Federal agency official should consult with each of the listed Indian tribes or Native Hawaiian organizations prior to repatriating to any one of them.

Three commenters recommended deleting § 10.10 (c)(1) regarding the exception to the repatriation requirements for studies of human remains, funerary objects, sacred objects, or objects of cultural patrimony of major benefit to the United States. This exemption is drawn from section 7 of the Act. One commenter identified the phrase "commenced prior to receipt of a request" in this subsection as not being included in the statutory language and recommended deleting it. The phrase has been deleted. Six commenters recommended clarifying the concept of "major benefit" in the exemption for completion of a specific scientific study in § 10.10 (c)(1). Such determinations necessarily will have to be made on a case-by-case basis. One commenter recommended that the deadline after completion of a study by which human remains, funerary objects, sacred objects, or objects of cultural patrimony must be repatriated be left to the discretion of the parties involved. The requirement that human remains, funerary objects, sacred objects, or objects of cultural patrimony be repatriated no later than ninety days (90) after completion of the study is drawn from the statutory language.

One commenter recommended replacing the phrase "proper recipient" in the first sentence of § 10.10 (c)(2) with "most appropriate recipient." The recommended change has been made. One commenter recommended including language in this subsection requiring museums and Federal agencies to comply with multiple party claims. The language in these regulations does not preclude claims for repatriation made by groups of lineal descendants or groups of Indian tribes or Native Hawaiian organizations. Museum and Federal agency officials are responsible for assessing the merits of each claim received.

One commenter recommended deleting the "takings exemption" in § 10.10 (c)(3) since it requires complex legal analysis that would unduly burden museum and Federal agency officials and is contrary to the provisions of the Act regarding the determination of custody of human remains, funerary objects, sacred objects, or objects of cultural patrimony. The language in this subsection was drawn from section 2 (13) of the Act. Six commenters requested additional clarification of the subsection. Additional language has been included in the text. One commenter objected to the "globalization" of the constitutional test of a Fifth Amendment taking in this subsection to include human remains and associated funerary objects, stating that such an interpretation is not supported by the statutory language and recommending that the drafters refrain from attempting to redress in regulation what the commenter considers a

facially unconstitutional element of the Act. The regulation has not been changed in response to this comment. The Act does not indicate an express intention to effectuate a legislative or regulatory taking. It is possible, though not likely, that human remains may be subject to Fifth Amendment concerns, e.g., where the human remains have been incorporated into another object. The same commenter recommended including text to exempt museums from the threat of civil penalties in situations where the museum invokes its authority to refuse to repatriate human remains and associated funerary objects based on "otherwise applicable property law." A determination that repatriation of human remains, funerary objects, sacred objects, or objects of cultural patrimony constitutes a taking of property without just compensation within the meaning of the Fifth Amendment of the United States Constitution must be made by a court of competent jurisdiction and can not be "invoked" by a museum or Federal agency. Assessment of civil penalties by the Secretary will necessarily be made on a case-by-case basis and, as such, the recommended exemption is not considered appropriate. However, the drafters consider it unlikely that the Secretary would assess civil penalties while a takings issue is being considered by a court of competent jurisdiction.

One commenter recommended deleting the reference in § 10.10 (c)(4) to other repatriation limitations in § 10.15. Section 10.15 includes limitation and remedies applying to both the disposition of human remains, funerary objects, sacred objects, or objects of cultural patrimony excavated intentionally or discovered inadvertently on Federal land or tribal lands and to the repatriation of human remains, funerary objects, sacred objects, or objects of cultural patrimony in the possession or control of museums or Federal agencies.

Two commenters requested clarification regarding procedures related to the transfer of custody of human remains, funerary objects, sacred objects, or objects of cultural patrimony to lineal descendants or Indian tribes in § 10.10 (d). Museum and Federal agency officials are responsible for making decisions regarding place and manner of repatriation. However, prior to making such decisions, they must first consult with the requesting lineal descendants or culturally affiliated Indian tribes.

One commenter recommended including additional text requiring museum and Federal agency officials to inform recipients of repatriations of any known treatments, such as application of pesticides, preservatives, or other substances, that might represent a potential hazard to the human remains, funerary objects, sacred objects, or objects of cultural patrimony or the persons handling them. The recommended text has been included as § 10.10 (e) and subsequent subsections renumbered.

Two commenters recommended including language in § 10.10 (e) (renumbered as § 10.10 (f)) advising museum and Federal agency officials that, upon the request of Indian tribe officials, they take steps to ensure that information of a particularly sensitive nature is not made available to the general public. The recommended text has been included in the rule. Documentation of some cultural items, particularly sacred objects and objects of cultural patrimony, is expected to require Indian tribe officials and traditional religious leaders to divulge some information considered sensitive to the Indian tribe or Native Hawaiian organization. There is currently no exemption available to protect such sensitive information from disclosure under the Freedom of Information Act. Museum or Federal officials may wish to ensure that sensitive information does not become part of the public record by not writing such information down in the first place.

Two commenters identified "unidentified human remains," referred to in § 10.10 (f) (renumbered as § 10.10 (g)) as a category not supported by the statutory language, and recommended deleting the term. Section 8 (c)(5) of the Act required the Review Committee to compile an inventory and make recommendations regarding specific actions for developing a process for disposition of "culturally unidentifiable human remains." Section 10.10 (g) has been amended to reflect that statutory language.

One commenter requested that § 10.10 reference the requirements of the Migratory Bird Treaty Act, the Bald and Golden Eagle Act, the Endangered Species Act and the Marine Mammal Act. While it is not appropriate to include the requirements of these acts in the regulations, museums, Federal agencies, and Indian tribes should be aware that additional statutes and regulations may affect the transport and possession of repatriated objects. For additional information, contact, the U.S. Fish and Wildlife Service, Division of Law Enforcement, PO Box 3247, Arlington VA 22203-3247.

Section 10.11

This section has been reserved for procedures related to the disposition of culturally unidentifiable human remains in museum or Federal agency collections. One commenter questioned the authority under which the Federal government can determine the final disposition of human remains for which no cultural affiliation can reasonably be established. Another commenter recommended changing the title of this section to read "culturally and geographically unidentifiable" to ensure that a "simple-minded or hostile reading of the rules" would not result in assignment of many human remains to the catch-all category. One commenter requested clarification for procedures concerning "affected remains of . . . biologically extinct peoples". Section 8 (c)(5) and (c)(7) of the Act gives the Review Committee

the responsibilities of recommending specific actions for developing a process for disposition of "culturally unidentifiable human remains" and consulting with the Secretary in the development of regulations to carry out the statute. Section 13 of the Act charges the Secretary with promulgating regulations to carry out the statute. One commenter recommended interring all culturally unidentifiable human remains in a tribal or intertribal cemetery. One commenter recommended sending inventories of all culturally unidentifiable human remains to all Indian tribes and Native Hawaiian organizations. One commenter requested that this section be published promptly. Another commenter recommended seeking Indian tribal input in developing this section to ensure that "the dominant society [not dictate] the proposed language to protect their own interests." A draft of this section is being developed currently and will submitted to the Review Committee for discussion and recommendations prior to publication as proposed regulation for public comment in the Federal Register.

Section 10.12

This section has been reserved for procedures related to the assessment of civil penalties by the Secretary against any museum that fails to comply with the requirements of the statute. One commenter requested prompt publication of this section. A draft of this section is currently being developed and will submitted to the Review Committee for discussion prior to publication for public comment in the Federal Register.

Section 10.13

This section has been reserved for procedures related to the future applicability of the statute. One commenter recommended that the section should include continuing responsibilities for museums and Federal agencies to update summaries and inventories of human remains, funerary objects, sacred objects, or objects of cultural patrimony to reflect new accessions, first time receipt of Federal funds, and the recognition of new Indian tribes and Native Hawaiian organizations. One commenter requested clarification on the subject of future accessions. One commenter stressed that tribal input, comment and recommendations are imperative in formulating this section. A draft of this section is currently being developed and will be submitted to the Review Committee for discussion prior to publication for public comment in the Federal Register. One commenter proposed inclusion of a ten year time limit during which Indian tribes must make claims for repatriation. Time limits for claims were discussed by Congress when the bill was being considered but were not included in the Act. Inclusion of such time limits in the regulations would contradict Congressional intent.

Section 10.14

Eighteen commenters recommended changes to the section on lineal descent and cultural affiliation. Two commenters recommended further identification in § 10.14 (a) of the parties responsible for completing the required activities. On Federal lands, Federal agency officials are responsible for determining which modern Indian tribes and Native Hawaiian organizations may have valid claims upon human remains, funerary objects, sacred objects, or objects of cultural patrimony that are excavated intentionally or discovered inadvertently on lands they manage. For existing collections, the museum or Federal agency official is responsible for assembling, describing, evaluating human remains, funerary objects, sacred objects, or objects of cultural patrimony and making determinations regarding their cultural affiliation and disposition. It is the responsibility of lineal descendants, Indian tribes or Native Hawaiian organizations that disagree with determinations of cultural affiliation made by a Federal agency or museum official to develop and present information to challenge that determination.

Another commenter recommended changing all references to Indian tribe in this section to "Indian tribe or tribes" to reflect the fact that Indian tribes may bring joint claims for certain items. The drafters consider the current language to support the possibility of joint claims.

One commenter identified the criteria for determining lineal descendants in § 10.14 (b) as being overly restrictive and recommended broadening them to allow for both individual and Indian tribe and Native Hawaiian organization claims. One commenter requested including a procedure "for independent verification of claimed descent." Criteria for determining lineal descent have been narrowly defined to reflect the priority given these claims under section 3 and section 7 of the Act. One commenter requested that the section include procedures for independent verification of any claims of lineal descent based upon traditional kinship systems. Museum or Federal agency officials are responsible for evaluating claims of lineal descent.

Three commenters identified criteria for determining cultural affiliation under § 10.14 (c)(1), (2) and (3) as placing an undue and unrealistic burden of proof on Indian tribes and Native Hawaiian organizations, and recommended fewer requirements. The three criteria—existence of an identifiable present-day Indian tribe or Native Hawaiian organization, evidence of the existence of an identifiable earlier group, and evidence of a shared group identity that can be reasonably traced between the present-day Indian tribe or Native Hawaiian organization and the earlier group—are the components of the statutory definition of cultural affiliation at

section 2 (2) of the Act. They have been retained in the regulations.

Three commenters recommended rewording § 10.14 (c)(2) for clarification. The second sentence of § 10.14 (c)(2) has been rewritten to read: "Evidence to support this requirement may include, but is not necessarily limited to: . . ." One commenter recommended rewording § 10.14 (c)(2)(ii) to emphasize the desirability of demonstrating linkages between claimants and archeological remains. One commenter questioned whether it is possible to make biological distinctions between earlier groups as suggested in § 10.14 (c)(2)(iii). Cultural affiliation between particular human remains, funerary objects, sacred objects, or objects of cultural patrimony and particular Indian tribes and Native Hawaiian organizations must be determined on a case-by-case basis.

One commenter recommended regarding human remains or cultural objects found within the traditional (aboriginal) territory of an Indian tribe as being culturally affiliated with that Indian tribe, regardless of the antiquity of the human remains, funerary objects, sacred objects, or objects of cultural patrimony. The statutory provisions related to intentional excavation and inadvertent discovery of human remains, funerary objects, sacred objects, or objects of cultural patrimony on Federal or tribal lands (section 3 of the Act) includes provisions for the disposition of human remains, funerary objects, sacred objects, or objects of cultural patrimony to the Indian tribe that is recognized as aboriginally occupying the area in which the human remains or objects were recovered, if upon notice, such tribe states a claim for such human remains or items. No such criteria are included in the statutory sections regarding repatriation of human remains, funerary objects, sacred objects, or objects of cultural patrimony in museum or Federal agency collections.

One commenter recommended inclusion of language from House Report 101-877 (page 5) clarifying that determinations of cultural affiliation should be based on an overall evaluation of the totality of the circumstances and evidence and should not be precluded solely because of some gaps in the record. Language from the House Report has been included as § 10.14 (d), and the subsequent sections relettered.

One commenter noted that the types of evidence listed in § 10.14 (e) were originally derived from section 7 (a)(4) of the Act—which deals exclusively with the determination of cultural affiliation—and recommends that lineal descent should be established through normally accepted methods of evidence. Section 7 (a) of the Act, of which section 7 (a)(4) is a subpart, deals with both determinations of lineal descent and cultural affiliation. It is the opinion of the drafters that each of the types of evidence listed could potentially be used to support a claim of lineal descent and should be available for use by potential claimants.

One commenter objected to oral tradition and folklore being allowed as evidence in § 10.14 (d), particularly for those areas, such as central, southwestern, southern, and coastal Texas, "where the aboriginal inhabitants have no biological descendants." One commenter recommended including a statement that physical anthropological/biological, archeological, and other "hard" scientific evidence will have the greatest bearing in determining the cultural affiliation of prehistoric materials, scaled with weight increasing as distance in time increases. One commenter recommended inclusion of a statement regarding "standards of evidence." The applicability and strength of particular types of evidence must be determined on a case-by-case basis. It would be inappropriate to place stipulations on the applicability of various types of evidence in regulation.

Two commenters recommended changing the last sentence of § 10.14 (e) to require that cultural affiliation be established with scientific certainty to avoid any misuse of the Act. A standard of scientific certainty is not consistent with Congressional intent. The statement of evidence in this subsection is drawn from section 7 (a)(4) of the Act. Two other commenters questioned whether this subsection might give the impression that scientific research is of no value in determining cultural affiliation. Section 7 (a)(4) identifies scientific information related to numerous fields as having relevance to the determination of cultural affiliation. One commenter recommended stipulating that no repatriation will occur until the analysis is completed. Section 5 (a) specifies that the geographic and cultural affiliation of human remains and associated funerary objects be determined "to the extent possible based on information possessed by the museum of Federal agency." No new scientific research is required. Delaying repatriation until new scientific research is completed contradicts the intent of Congress unless that scientific research is considered to be of major benefit to the United States.

Section 10.15

Eleven commenters recommended changes to the section on repatriation limitations and remedies. One commenter stated the section was not consistent with the statute and recommended deleting it in its entirety. Two commenters identified § 10.15 (a)(1) as being unduly harsh to Indian tribes and Native Hawaiian organizations, and recommended deleting it. Section 10.15 (a)(1) ensures that any claim received prior to the disposition or repatriation of human remains, funerary objects, sacred objects, or objects of cultural patrimony must be considered by the museum or Federal agency. Claims made after disposition or repatriation have occurred are properly the responsibility of the receiving lineal descendant, Indian tribe, or Native Hawaiian

organization. The subsection has been retained as it is important for the protection of museums and Federal agencies that comply with the Act and regulations. One commenter recommended adding another subsection under the title "Multiple Claimants" to address such situations. Three commenters recommended specifying that a time period for competing parties to reach agreement on the appropriate disposition or repatriation of human remains, funerary objects, sacred objects, or objects of cultural patrimony. No time period has been established because it appears to be contrary to Congressional intent. One commenter recommended inclusion of a statement specifying who decides the disposition of human remains, funerary objects, sacred objects, or objects of cultural patrimony that cannot be shown to be culturally affiliated to a present-day Indian tribe or Native Hawaiian organization. Section 10.11 of the regulations has been reserved for procedures related to the disposition of culturally unidentifiable human remains.

One commenter recommended completing § 10.15 (b), reserved for "Failure to claim where no repatriation or disposition has occurred," as quickly as possible. Another commenter questioned whether the statutory language supports the inclusion of unclaimed cultural items as well as human remains. Section 3 (b) of the Act addresses the disposition of "unclaimed human remains and objects" and requires the Secretary to publish regulations to carry out their disposition in consultation with the Review Committee, Native American groups, and representatives of museums and the scientific community.

One commenter asked for clarification regarding whether the denial of a request for repatriation implied in § 10.15 (c) would have the effect of stopping the "90-day clock" for expedient repatriation. Museum and Federal agency officials are required to make a decision regarding claims for the disposition or repatriation of human remains, funerary objects, sacred objects, or objects of cultural patrimony within ninety (90) days of receipt of that claim. Once that decision is made, the museum or Federal agency official has carried out their responsibility. Another commenter recommended that this subsection state specifically that museums and Federal agencies must repatriate within ninety (90)-days of receipt of a written request. Section 10.10 (a)(3) and (b)(2) specify that museums and Federal agencies must repatriate human remains, funerary objects, sacred objects, or objects of cultural patrimony in their collections within ninety (90) days of receipt of a written request for repatriation that satisfies the requirements of § 10.10 (a)(1) and (b)(1), respectively, provided that the repatriation may not occur until at least thirty (30) days after publication of the appropriate notice in the Federal Register.

Section 10.16

Two commenters recommended changes to the section on the Review Committee. One commenter recommended deletion of the term "culturally unidentifiable human remains" on the grounds that there is no such category recognized under the Act. Section 8 (b)(5) of the Act requires the Review Committee to compile an inventory of culturally unidentifiable human remains and recommend specific actions for developing a process for disposition of such human remains. Another commenter recommended specifying the criteria to be used by the Review Committee in resolving disputes. One commenter requested clarification as to the "arbitrator" for disputes arising from the Act. The Review Committee has established its own guidelines for facilitating the resolution of disputes that include both procedures and criteria. Copies of these procedures are available from the Department of the Interior through the Departmental Consulting Archeologist, Archeological Assistance Division, National Park Service.

Section 10.17

Three commenters recommended changes to the section on dispute resolution. One commenter recommended strengthening the section to provide a realistic and definitive forum for resolving problems. Another commenter recommended including criteria to be used by the Review Committee in resolving disputes. A third commenter recommended that appropriate time frames should be established for Review Committee comments concerning disputes. The Review Committee has established its own guidelines for facilitating the resolution of disputes that include both procedures and criteria. Copies of these procedures are available from the Department of the Interior through the Departmental Consulting Archeologist, Archeological Assistance Division, National Park Service.

Appendix A

Four commenters recommended changes to the sample summary. Two commenters recommended narrowing the focus of the summary from collections held by a museum which may contain unassociated funerary objects, sacred objects, or objects of cultural patrimony to a summary of those specific objects. This proposed text was not changed for reasons previously presented in the discussion of section 10.8.

One commenter objected to the enumeration of sites and objects in the seventh paragraph of the sample summary as being both impractical and impossible. The enumeration of sites and objects in the sample summary are identified clearly as approximations. Further, provision of this type of information to Indian tribes and Native Hawaiian organizations is consistent with

the requirements of section 6 of the Act as clarified in section 10.8 of these regulations.

One commenter objected to the apparently broad access to museum records given Indian tribes in the final paragraph. The sentence in question closely paraphrases section 6 (b)(2) of the Act and has not been changed.

Appendix B

This appendix was reserved for a sample inventory of human remains and associated funerary objects. One commenter stressed the importance of developing this section as quickly as possible. A sample inventory of human remains and associated funerary objects currently has been developed in consultation with the Review Committee and distributed to Indian tribes, Native Hawaiian organizations, museums, and Federal agencies. This reserved appendix has been deleted from the rule.

Appendix C

The notice of inventory completion in this appendix has been updated with a more recent version and retitled as Appendix B.

Appendix D

The Review Committee recommended deleting this section that had been reserved for a sample memorandum of understanding dealing with repatriation of human remains, funerary objects, sacred objects, or objects of cultural patrimony in Federal collections from the regulations. Guidance regarding such memoranda of understanding will be developed and distributed by the Department of the Interior.

Appendix E

The Review Committee recommended deleting this section that had been reserved for a sample memorandum of understanding dealing with intentional excavation on Federal or tribal lands from the regulations. Guidance regarding such memoranda of understanding will be developed and distributed by the Department of the Interior.

Authorship These proposed regulations were prepared by Dr. Francis P. McManamon (Departmental Consulting Archeologist, National Park Service), Dr. C. Timothy McKeown (NAGPRA Program Leader, National Park Service), and Mr. Lars Hanslin (Senior Attorney, Office of the Solicitor), in consultation with the Native American Graves Protection and Repatriation Review Committee as directed by section 8 (c)(7) of the Act.

Compliance with the Paperwork Reduction Act

The collections of information contained in this rule have been approved by the Office of Management and Budget as required by 44 U.S.C. 3501 et seq (OMB control number 1024-0144). Public reporting burden for this collection of information is expected to average 100 hours for the exchange of summary/inventory information between a museum or Federal agency and an Indian tribe or Native Hawaiian organization and six hours per response for the notification to the Secretary, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collected information. Two commenters questioned use of an average amount of time to characterize the expected burden. While the amount of time required to complete the reporting requirements of these regulations will vary between institutions depending on the size and nature of their collections and the comprehensiveness of their documentation, review of summaries, inventories, and notices received by the Departmental Consulting Archeologist confirms the accuracy of the previous estimates. Send comments regarding this burden estimate or any other aspects of this collection of information, including suggestions for reducing the burden, to Information Collection Officer, National Park Service, Box 37127, Washington D.C. 20013 and to the Office of Management and Budget, Paperwork Reduction Project, Washington DC 20503.

Compliance with Other Laws

This rule has been reviewed under Executive Order 12866. The final rule implements provisions of the Native American Graves Protection and Repatriation Act of 1990 and addresses the rights of lineal descendants, Indian tribes, and Native Hawaiian organizations to Native American human remains, funerary objects, sacred objects, and objects of cultural patrimony. The final rule requires that any museum receiving Federal funds prepare summaries and conduct inventories. These requirements are within professionally accepted standards for museum record keeping consistent with the purposes of such institutions or organizations. Grants have been awarded during FY 1994 and FY 1995 to assist museums in these tasks. Federal agencies will incur costs in two ways: (1) Preparing the summaries and conducting the inventories; and (2) conducting consultation prior to planned excavations and following inadvertent discoveries on Federal or tribal lands. The Congressional Budget Office estimated costs for summary and inventory activities at between $5 and $30 million over a five year period. Many of the actions required of Federal agencies under item (2) are recommended or required by previous legislation—such as

the National Historic Preservation Act and the Archaeological Resources Protection Act—and costs for these activities are not expected to increase appreciably, particularly if the Federal agencies are able to coordinate their consultation and review activities as encouraged by these regulations and other guidance documents.

The Department of the Interior certifies that this document does not have a significant economic effect on a substantial number of small entities under the Regulatory Flexibility Act (5 U.S.C. 601 *et seq.*).

The Department of the Interior has determined that these final regulations meet the applicable standards provided in sections 2(a) and 2(b) of Executive Order 12778.

The Department of the Interior has determined that these final regulations will not have a significant effect on the quality of the human environment under the National Environmental Policy Act (42 U.S.C. 4321-4347). In addition, the Department of the Interior has determined that these final regulations are categorically excluded from the procedural requirements of the National Environmental Policy Act by Departmental regulations in 516 DM 2. As such, neither an Environmental Assessment nor an Environmental Impact statement has been prepared.

List of Subjects in 43 CFR Part 10

Administrative practice and procedure, Graves, Hawaiian Natives, Historic preservation, Indians—Claims, Indians—lands, Museums, Public lands, Reporting and record keeping requirements.

For the reasons set out in the preamble, 43 CFR Subtitle A is amended by adding Part 10 to read as follows:

PART 10—NATIVE AMERICAN GRAVES PROTECTION AND REPATRIATION REGULATIONS

Subpart A—Introduction

Sec.

10.1 Purpose and applicability.
10.2 Definitions.

Subpart B—Human Remains, Funerary Objects, Sacred Objects, or Objects of Cultural Patrimony from Federal or Tribal Lands

10.3 Intentional archeological excavations.
10.4 Inadvertent discoveries.
10.5 Consultation.
10.6 Custody.
10.7 Disposition of unclaimed human remains, funerary objects, sacred objects, or objects of cultural patrimony. [Reserved]

Subpart C—Human Remains, Funerary Objects, Sacred Objects, or Objects of Cultural Patrimony in Museums and Federal Collections

10.8 Summaries.
10.9 Inventories.
10.10 Repatriation.
10.11 Disposition of culturally unidentifiable human remains. [Reserved]
10.12 Civil penalties. [Reserved]
10.13 Future applicability. [Reserved]

Subpart D—General

10.14 Lineal descent and cultural affiliation.
10.15 Repatriation limitations and remedies.
10.16 Review committee.
10.17 Dispute resolution.

Appendix-A to Part 10—Sample summary.

Appendix-B to Part 10—Sample notice of inventory completion.

Authority: 25 U.S.C. 3001 *et seq.*

Subpart A—Introduction

§ 10.1 Purpose and applicability.

(a) *Purpose.* These regulations carry out provisions of the Native American Graves Protection and Repatriation Act of 1990 (Pub. L. 101-601; 25 U.S.C. 3001-3013;104 Stat. 3048-3058). These regulations develop a systematic process for determining the rights of lineal descendants and Indian tribes and Native Hawaiian organizations to certain Native American human remains, funerary objects, sacred objects, or objects of cultural patrimony with which they are affiliated.

(b) *Applicability.* (1) These regulations pertain to the identification and appropriate disposition of human remains, funerary objects, sacred objects, or objects of cultural patrimony that are:

(i) In Federal possession or control; or

(ii) In the possession or control of any institution or State or local government receiving Federal funds; or

(iii) Excavated intentionally or discovered inadvertently on Federal or tribal lands.

(2) These regulations apply to human remains, funerary objects, sacred objects, or objects of cultural patrimony which are indigenous to Alaska, Hawaii, and the continental United States, but not to territories of the United States.

(3) Throughout these regulations are decision points which determine their applicability in particularly circumstances, e.g., a decision as to whether a museum "controls" human remains and cultural objects within the meaning of the regulations, or, a decision as to whether an object is a "human remain," "funerary object," "sacred object," or "object of cultural patrimony"

within the meaning of the regulations. Any final determination making the Act or these regulations inapplicable is subject to review pursuant to section 15 of the Act.

§ 10.2 Definitions.

In addition to the term *Act,* which means the Native American Graves Protection and Repatriation Act as described above, definitions used in these regulations are grouped in seven classes: Parties required to comply with these regulations; Parties with standing to make claims under these regulations; Parties responsible for implementing these regulations; Objects covered by these regulations; Cultural affiliation; Types of land covered by these regulations; and Procedures required by these regulations.

(a) *Who must comply with these regulations?*

(1) *Federal agency* means any department, agency, or instrumentality of the United States. Such term does not include the Smithsonian Institution as specified in section 2 (4) of the Act.

(2) *Federal agency official* means any individual authorized by delegation of authority within a Federal agency to perform the duties relating to these regulations.

(3) *Museum* means any institution or State or local government agency (including any institution of higher learning) that has possession of, or control over, human remains, funerary objects, sacred objects, or objects of cultural patrimony and receives Federal funds.

(i) The term *"possession"* means having physical custody of human remains, funerary objects, sacred objects, or objects of cultural patrimony with a sufficient legal interest to lawfully treat the objects as part of its collection for purposes of these regulations. Generally, a museum or Federal agency would not be considered to have possession of human remains, funerary objects, sacred objects, or objects of cultural patrimony on loan from another individual, museum, or Federal agency.

(ii) The term *"control"* means having a legal interest in human remains, funerary objects, sacred objects, or objects of cultural patrimony sufficient to lawfully permit the museum or Federal agency to treat the objects as part of its collection for purposes of these regulations whether or not the human remains, funerary objects, sacred objects or objects of cultural patrimony are in the physical custody of the museum or Federal agency. Generally, a museum or Federal agency that has loaned human remains, funerary objects, sacred objects, or objects of cultural patrimony to another individual, museum, or Federal agency is considered to retain control of those human remains, funerary objects, sacred objects, or objects of cultural patrimony for purposes of these regulations.

(iii) The phrase *"receives Federal funds"* means the receipt of funds by a museum after November 16, 1990, from a Federal agency through any grant, loan, contract (other than a procurement contract), or other arrangement by which a Federal agency makes or made available to a museum aid in the form of funds. Federal funds provided for any purpose that are received by a larger entity of which the museum is a part are considered Federal funds for the purposes of these regulations. For example, if a museum is a part of a State or local government or a private university and the State or local government or private university receives Federal funds for any purpose, the museum is considered to receive Federal funds for the purpose of these regulations.

(4) *Museum official* means the individual within a museum designated as being responsible for matters relating to these regulations.

(5) *Person* means an individual, partnership, corporation, trust, institution, association, or any other private entity, or, any official, employee, agent, department, or instrumentality of the United States, or of any Indian tribe or Native Hawaiian organization, or of any State or political subdivision thereof that discovers human remains, funerary objects, sacred objects or objects of cultural patrimony on Federal or tribal lands after November 16, 1990.

(b) *Who has standing to make a claim under these regulations?*

(1) *Lineal descendant* means an individual tracing his or her ancestry directly and without interruption by means of the traditional kinship system of the appropriate Indian tribe or Native Hawaiian organization or by the common law system of descendance to a known Native American individual whose remains, funerary objects, or sacred objects are being claimed under these regulations.

(2) *Indian tribe* means any tribe, band, nation, or other organized Indian group or community of Indians, including any Alaska Native village or corporation as defined in or established by the Alaska Native Claims Settlement Act (43 U.S.C. 1601 *et seq.*), which is recognized as eligible for the special programs and services provided by the United States to Indians because of their status as Indians. The Secretary will distribute a list of Indian tribes for the purposes of carrying out this statute through the Departmental Consulting Archeologist.

(3)(i) *Native Hawaiian organization* means any organization that:

(A) Serves and represents the interests of Native Hawaiians;

(B) Has as a primary and stated purpose the provision of services to Native Hawaiians; and

(C) Has expertise in Native Hawaiian affairs.

(ii)The term *Native Hawaiian* means any individual who is a descendant of the aboriginal people who, prior to 1778, occupied and exercised sovereignty in the area that now constitutes the State of Hawaii. Such

organizations must include the Office of Hawaiian Affairs and *Hui Malama I Na Kupuna 'O Hawai'i Nei.*

(4) *Indian tribe official* means the principal leader of an Indian tribe or Native Hawaiian organization or the individual officially designated by the governing body of an Indian tribe or Native Hawaiian organization or as otherwise provided by tribal code, policy, or established procedure as responsible for matters relating to these regulations.

(c) *Who is responsible for carrying out these regulations?*

(1) *Secretary* means the Secretary of the Interior.

(2) *Review Committee* means the advisory committee established pursuant to section 8 of the Act.

(3) *Departmental Consulting Archeologist* means the official of the Department of the Interior designated by the Secretary as responsible for the administration of matters relating to these regulations. Communications to the Departmental Consulting Archeologist should be addressed to:

Departmental Consulting Archeologist
National Park Service
PO Box 37127
Washington, DC 20013-7127.

(d) *What objects are covered by these regulations?* The Act covers four types of Native American objects. The term *Native American* means of, or relating to, a tribe, people, or culture indigenous to the United States, including Alaska and Hawaii:

(1) *Human remains* means the physical remains of a human body of a person of Native American ancestry. The term does not include remains or portions of remains that may reasonably be determined to have been freely given or naturally shed by the individual from whose body they were obtained, such as hair made into ropes or nets. For the purposes of determining cultural affiliation, human remains incorporated into a funerary object, sacred object, or object of cultural patrimony, as defined below, must be considered as part of that item.

(2) *Funerary objects* means items that, as part of the death rite or ceremony of a culture, are reasonably believed to have been placed intentionally at the time of death or later with or near individual human remains. Funerary objects must be identified by a preponderance of the evidence as having been removed from a specific burial site of an individual affiliated with a particular Indian tribe or Native Hawaiian organization or as being related to specific individuals or families or to known human remains. The term *burial site* means any natural or prepared physical location, whether originally below, on, or above the surface of the earth, into which as part of the death rite or ceremony of a culture, individual human remains were deposited, and includes rock cairns or pyres which do not fall within the ordinary definition of grave site. For purposes of completing the summary requirements in § 10.8 and the inventory requirements of § 10.9:

(i) *Associated funerary objects* means those funerary objects for which the human remains with which they were placed intentionally are also in the possession or control of a museum or Federal agency. Associated funerary objects also means those funerary objects that were made exclusively for burial purposes or to contain human remains.

(ii) *Unassociated funerary objects* means those funerary objects for which the human remains with which they were placed intentionally are not in the possession or control of a museum or Federal agency. Objects that were displayed with individual human remains as part of a death rite or ceremony of a culture and subsequently returned or distributed according to traditional custom to living descendants or other individuals are not considered unassociated funerary objects.

(3) *Sacred objects* means items that are specific ceremonial objects needed by traditional Native American religious leaders for the practice of traditional Native American religions by their present-day adherents. While many items, from ancient pottery sherds to arrowheads, might be imbued with sacredness in the eyes of an individual, these regulations are specifically limited to objects that were devoted to a traditional Native American religious ceremony or ritual and which have religious significance or function in the continued observance or renewal of such ceremony. The term *traditional religious leader* means a person who is recognized by members of an Indian tribe or Native Hawaiian organization as:

(i) Being responsible for performing cultural duties relating to the ceremonial or religious traditions of that Indian tribe or Native Hawaiian organization, or

(ii) Exercising a leadership role in an Indian tribe or Native Hawaiian organization based on the tribe or organization's cultural, ceremonial, or religious practices.

(4) *Objects of cultural patrimony* means items having ongoing historical, traditional, or cultural importance central to the Indian tribe or Native Hawaiian organization itself, rather than property owned by an individual tribal or organization member. These objects are of such central importance that they may not be alienated, appropriated, or conveyed by any individual tribal or organization member. Such objects must have been considered inalienable by the culturally affiliated Indian tribe or Native Hawaiian organization at the time the object was separated from the group. Objects of cultural patrimony include items such as Zuni War Gods, the Confederacy Wampum Belts of the Iroquois, and other objects of similar character and significance to the Indian tribe or Native Hawaiian organization as a whole.

(e) *What is cultural affiliation?* Cultural affiliation means that there is a relationship of shared group

identity which can reasonably be traced historically or prehistorically between members of a present-day Indian tribe or Native Hawaiian organization and an identifiable earlier group. Cultural affiliation is established when the preponderance of the evidence—based on geographical, kinship, biological, archeological, linguistic, folklore, oral tradition, historical evidence, or other information or expert opinion—reasonably leads to such a conclusion.

(f) *What types of lands to the excavation and discovery provisions of these regulations apply to?*

(1) *Federal lands* means any land other than tribal lands that are controlled or owned by the United States Government, including lands selected by but not yet conveyed to Alaska Native Corporations and groups organized pursuant to the Alaska Native Claims Settlement Act (43 U.S.C. 1601 *et seq.*). United States "control," as used in this definition, refers to those lands not owned by the United States but in which the United States has a legal interest sufficient to permit it to apply these regulations without abrogating the otherwise existing legal rights of a person.

(2) *Tribal lands* means all lands which:

(i) Are within the exterior boundaries of any Indian reservation including, but not limited to, allotments held in trust or subject to a restriction on alienation by the United States; or

(ii) Comprise dependent Indian communities as recognized pursuant to 18 U.S.C. 1151; or

(iii) Are administered for the benefit of Native Hawaiians pursuant to the Hawaiian Homes Commission Act of 1920 and section 4 of the Hawaiian Statehood Admission Act (Pub. L. 86-3; 73 Stat. 6).

(iv) Actions authorized or required under these regulations will not apply to tribal lands to the extent that any action would result in a taking of property without compensation within the meaning of the Fifth Amendment of the United States Constitution.

(g) *What procedures are required by these regulations?*

(1) *Summary* means the written description of collections that may contain unassociated funerary objects, sacred objects, and objects of cultural patrimony required by § 10.8 of these regulations.

(2) *Inventory* means the item-by-item description of human remains and associated funerary objects.

(3) *Intentional excavation* means the planned archeological removal of human remains, funerary objects, sacred objects, or objects of cultural patrimony found under or on the surface of Federal or tribal lands pursuant to section 3 (c) of the Act.

(4) *Inadvertent discovery* means the unanticipated encounter or detection of human remains, funerary objects, sacred objects, or objects of cultural patrimony found under or on the surface of Federal or tribal lands pursuant to section 3 (d) of the Act.

Subpart B—Human Remains, funerary objects, sacred objects, or objects of cultural patrimony from Federal or Tribal Lands

§ 10.3 Intentional archeological excavations.

(a) *General.* This section carries out section 3 (c) of the Act regarding the custody of human remains, funerary objects, sacred objects, or objects of cultural patrimony that are excavated intentionally from Federal or tribal lands after November 16, 1990.

(b) *Specific Requirements.* These regulations permit the intentional excavation of human remains, funerary objects, sacred objects, or objects of cultural patrimony from Federal or tribal lands only if:

(1) The objects are excavated or removed following the requirements of the Archaeological Resources Protection Act (ARPA) (16 U.S.C. 470aa *et seq.*) and its implementing regulations. Regarding private lands within the exterior boundaries of any Indian reservation, the Bureau of Indian Affairs (BIA) will serve as the issuing agency for any permits required under the Act. For BIA procedures for obtaining such permits, see 25 CFR part 262 or contact the Deputy Commissioner of Indian Affairs, Department of the Interior, Washington, DC 20240. Regarding lands administered for the benefit of Native Hawaiians pursuant to the Hawaiian Homes Commission Act, 1920, and section 4 of Pub. L. 86-3, the Department of Hawaiian Home Lands will serve as the issuing agency for any permits required under the Act, with the Hawaii State Historic Preservation Division of the Department of Land and Natural Resources acting in an advisory capacity for such issuance. Procedures and requirements for issuing permits will be consistent with those required by the ARPA and its implementing regulations;

(2) The objects are excavated after consultation with or, in the case of tribal lands, consent of, the appropriate Indian tribe or Native Hawaiian organization pursuant to § 10.5;

(3) The disposition of the objects is consistent with their custody as described in § 10.6; and

(4) Proof of the consultation or consent is shown to the Federal agency official or other agency official responsible for the issuance of the required permit.

(c) *Procedures.* (1) The Federal agency official must take reasonable steps to determine whether a planned activity may result in the excavation of human remains, funerary objects, sacred objects, or objects of cultural patrimony from Federal lands. Prior to issuing any approvals or permits for activities, the Federal agency official must notify in writing the Indian tribes or Native Hawaiian organizations that are likely to be culturally affiliated with any human remains, funerary objects, sacred objects, or objects of cultural patrimony that may be excavated. The Federal agency official must also notify any present-day Indian tribe which aboriginally

occupied the area of the planned activity and any other Indian tribes or Native Hawaiian organizations that the Federal agency official reasonably believes are likely to have a cultural relationship to the human remains, funerary objects, sacred objects, or objects of cultural patrimony that are expected to be found. The notice must be in writing and describe the planned activity, its general location, the basis upon which it was determined that human remains, funerary objects, sacred objects, or objects of cultural patrimony may be excavated, and, the basis for determining likely custody pursuant to § 10.6. The notice must also propose a time and place for meetings or consultations to further consider the activity, the Federal agency's proposed treatment of any human remains, funerary objects, sacred objects, or objects of cultural patrimony that may be excavated, and the proposed disposition of any excavated human remains, funerary objects, sacred objects, or objects of cultural patrimony. Written notification should be followed up by telephone contact if there is no response in 15 days. Consultation must be conducted pursuant to § 10.5.

(2) Following consultation, the Federal agency official must complete a written plan of action (described in § 10.5(e)) and execute the actions called for in it.

(3) If the planned activity is also subject to review under section 106 of the National Historic Preservation Act (16 U.S.C. 470 *et seq.*), the Federal agency official should coordinate consultation and any subsequent agreement for compliance conducted under that Act with the requirements of § 10.3 (c)(2) and § 10.5. Compliance with these regulations does not relieve Federal agency officials of requirements to comply with section 106 of the National Historic Preservation Act (16 U.S.C. 470 *et seq.*).

(4) If an Indian tribe or Native Hawaiian organization receives notice of a planned activity or otherwise becomes aware of a planned activity that may result in the excavation of human remains, funerary objects, sacred objects, or objects of cultural patrimony on tribal lands, the Indian tribe or Native Hawaiian organization may take appropriate steps to:

(i) Ensure that the human remains, funerary objects, sacred objects, or objects of cultural patrimony are excavated or removed following § 10.3 (b), and

(ii) make certain that the disposition of any human remains, funerary objects, sacred objects, or objects of cultural patrimony excavated intentionally or discovered inadvertently as a result of the planned activity are carried out following § 10.6.

§ 10.4 Inadvertent discoveries.

(a) *General.* This section carries out section 3 (d) of the Act regarding the custody of human remains, funerary objects, sacred objects, or objects of cultural patrimony that are discovered inadvertently on Federal or tribal lands after November 16, 1990.

(b) *Discovery.* Any person who knows or has reason to know that he or she has discovered inadvertently human remains, funerary objects, sacred objects, or objects of cultural patrimony on Federal or tribal lands after November 16, 1990, must provide immediate telephone notification of the inadvertent discovery, with written confirmation, to the responsible Federal agency official with respect to Federal lands, and, with respect to tribal lands, to the responsible Indian tribe official. The requirements of these regulations regarding inadvertent discoveries apply whether or not an inadvertent discovery is duly reported. If written confirmation is provided by certified mail, the return receipt constitutes evidence of the receipt of the written notification by the Federal agency official or Indian tribe official.

(c) *Ceasing activity.* If the inadvertent discovery occurred in connection with an on-going activity on Federal or tribal lands, the person, in addition to providing the notice described above, must stop the activity in the area of the inadvertent discovery and make a reasonable effort to protect the human remains, funerary objects, sacred objects, or objects of cultural patrimony discovered inadvertently.

(d) *Federal lands.* (1) As soon as possible, but no later than three (3) working days after receipt of the written confirmation of notification with respect to Federal lands described in §10.4 (b), the responsible Federal agency official must:

(i) Certify receipt of the notification;

(ii) Take immediate steps, if necessary, to further secure and protect inadvertently discovered human remains, funerary objects, sacred objects, or objects of cultural patrimony, including, as appropriate, stabilization or covering;

(iii) Notify by telephone, with written confirmation, the Indian tribes or Native Hawaiian organizations likely to be culturally affiliated with the inadvertently discovered human remains, funerary objects, sacred objects, or objects of cultural patrimony, the Indian tribe or Native Hawaiian organization which aboriginally occupied the area, and any other Indian tribe or Native Hawaiian organization that is reasonably known to have a cultural relationship to the human remains, funerary objects, sacred objects, or objects of cultural patrimony. This notification must include pertinent information as to kinds of human remains, funerary objects, sacred objects, or objects of cultural patrimony discovered inadvertently, their condition, and the circumstances of their inadvertent discovery;

(iv) Initiate consultation on the inadvertent discovery pursuant to § 10.5;

(v) If the human remains, funerary objects, sacred objects, or objects of cultural patrimony must be excavated or removed, follow the requirements and procedures in § 10.3 (b) of these regulations; and

(vi) Ensure that disposition of all inadvertently discovered human remains, funerary objects, sacred objects, or objects of cultural patrimony is carried out following § 10.6.

(2) *Resumption of activity.* The activity that resulted in the inadvertent discovery may resume thirty (30) days after certification by the notified Federal agency of receipt of the written confirmation of notification of inadvertent discovery if the resumption of the activity is otherwise lawful. The activity may also resume, if otherwise lawful, at any time that a written, binding agreement is executed between the Federal agency and the affiliated Indian tribes or Native Hawaiian organizations that adopt a recovery plan for the excavation or removal of the human remains, funerary objects, sacred objects, or objects of cultural patrimony following § 10.3 (b)(1) of these regulations. The disposition of all human remains, funerary objects, sacred objects, or objects of cultural patrimony must be following § 10.6.

(e) *Tribal lands.* (1) As soon as possible, but no later than three (3) working days after receipt of the written confirmation of notification with respect to Tribal lands described in § 10.4 (b), the responsible Indian tribe official may:

(i) Certify receipt of the notification;

(ii) Take immediate steps, if necessary, to further secure and protect inadvertently discovered human remains, funerary objects, sacred objects, or objects of cultural patrimony, including, as appropriate, stabilization or covering;

(iii) If the human remains, funerary objects, sacred objects, or objects of cultural patrimony must be excavated or removed, follow the requirements and procedures in § 10.3 (b) of these regulations; and

(iv) Ensure that disposition of all inadvertently discovered human remains, funerary objects, sacred objects, or objects of cultural patrimony is carried out following § 10.6.

(2) Resumption of Activity. The activity that resulted in the inadvertent discovery may resume if otherwise lawful after thirty (30) days of the certification of the receipt of notification by the Indian tribe or Native Hawaiian organization.

(f) *Federal agency officials.* Federal agency officials should coordinate their responsibilities under this section with their emergency discovery responsibilities under section 106 of the National Historical Preservation Act (16 U.S.C. 470 (f) *et seq.*), 36 CFR 800.11 or section 3 (a) of the Archeological and Historic Preservation Act (16 U.S.C. 469 (a–c)). Compliance with these regulations does not relieve Federal agency officials of the requirement to comply with section 106 of the National Historical Preservation Act (16 U.S.C. 470 (f) *et seq.*), 36 CFR 800.11 or section 3 (a) of the Archeological and Historic Preservation Act (16 U.S.C. 469 (a–c)).

(g) *Notification requirement in authorizations.* All Federal authorizations to carry out land use activities on Federal lands or tribal lands, including all leases and permits, must include a requirement for the holder of the authorization to notify the appropriate Federal or tribal official immediately upon the discovery of human remains, funerary objects, sacred objects, or objects of cultural patrimony pursuant to § 10.4 (b) of these regulations.

§ 10.5 Consultation.

Consultation as part of the intentional excavation or inadvertent discovery of human remains, funerary objects, sacred objects, or objects of cultural patrimony on Federal lands must be conducted in accordance with the following requirements.

(a) *Consulting parties.* Federal agency officials must consult with known lineal descendants and Indian tribe officials:

(1) from Indian tribes on whose aboriginal lands the planned activity will occur or where the inadvertent discovery has been made; and

(2) from Indian tribes and Native Hawaiian organizations that are, or are likely to be, culturally affiliated with the human remains, funerary objects, sacred objects, or objects of cultural patrimony; and

(3) from Indian tribes and Native Hawaiian organizations that have a demonstrated cultural relationship with the human remains, funerary objects, sacred objects, or objects of cultural patrimony.

(b) *Initiation of consultation.* (1) Upon receiving notice of, or otherwise becoming aware of, an inadvertent discovery or planned activity that has resulted or may result in the intentional excavation or inadvertent discovery of human remains, funerary objects, sacred objects, or objects of cultural patrimony on Federal lands, the responsible Federal agency official must, as part of the procedures described in § 10.3 and § 10.4, take appropriate steps to identify the lineal descendant, Indian tribe, or Native Hawaiian organization entitled to custody of the human remains, funerary objects, sacred objects, or objects of cultural patrimony pursuant to § 10.6 and § 10.14. The Federal agency official shall notify in writing:

(i) any known lineal descendants of the individual whose remains, funerary objects, sacred objects, or objects of cultural patrimony have been or are likely to be excavated intentionally or discovered inadvertently; and

(ii) the Indian tribes or Native Hawaiian organizations that are likely to be culturally affiliated with the human remains, funerary objects, sacred objects, or objects of cultural patrimony that have been or are likely to be excavated intentionally or discovered inadvertently; and

(iii) the Indian tribes which aboriginally occupied the area in which the human remains, funerary objects,

sacred objects, or objects of cultural patrimony have been or are likely to be excavated intentionally or discovered inadvertently; and

(iv) the Indian tribes or Native Hawaiian organizations that have a demonstrated cultural relationship with the human remains, funerary objects, sacred objects, or objects of cultural patrimony that have been or are likely to be excavated intentionally or discovered inadvertently.

(2) The notice must propose a time and place for meetings or consultation to further consider the intentional excavation or inadvertent discovery, the Federal agency's proposed treatment of the human remains, funerary objects, sacred objects, or objects of cultural patrimony that may be excavated, and the proposed disposition of any intentionally excavated or inadvertently discovered human remains, funerary objects, sacred objects, or objects of cultural patrimony.

(3) The consultation must seek to identify traditional religious leaders who should also be consulted and seek to identify, where applicable, lineal descendants and Indian tribes or Native Hawaiian organizations affiliated with the human remains, funerary objects, sacred objects, or objects of cultural patrimony.

(c) *Provision of information.* During the consultation process, as appropriate, the Federal agency official must provide the following information in writing to the lineal descendants and the officials of Indian tribes or Native Hawaiian organizations that are or are likely to be affiliated with the human remains, funerary objects, sacred objects, or objects of cultural patrimony excavated intentionally or discovered inadvertently on Federal lands:

(1) A list of all lineal descendants and Indian tribes or Native Hawaiian organizations that are being, or have been, consulted regarding the particular human remains, funerary objects, sacred objects, or objects of cultural patrimony;

(2) An indication that additional documentation used to identify affiliation will be supplied upon request.

(d) *Requests for information.* During the consultation process, Federal agency officials must request, as appropriate, the following information from Indian tribes or Native Hawaiian organizations that are, or are likely to be, affiliated pursuant to § 10.6 (a) with intentionally excavated or inadvertently discovered human remains, funerary objects, sacred objects, or objects of cultural patrimony:

(1) Name and address of the Indian tribe official to act as representative in consultations related to particular human remains, funerary objects, sacred objects, or objects of cultural patrimony;

(2) Names and appropriate methods to contact lineal descendants who should be contacted to participate in the consultation process;

(3) Recommendations on how the consultation process should be conducted; and

(4) Kinds of cultural items that the Indian tribe or Native Hawaiian organization considers likely to be unassociated funerary objects, sacred objects, or objects of cultural patrimony.

(e) *Written plan of action.* Following consultation, the Federal agency official must prepare, approve, and sign a written plan of action. A copy of this plan of action must be provided to the lineal descendants, Indian tribes and Native Hawaiian organizations involved. Lineal descendants and Indian tribe official(s) may sign the written plan of action as appropriate. At a minimum, the plan of action must comply with § 10.3 (b)(1) and document the following:

(1) The kinds of objects to be considered as cultural items as defined in § 10.2 (b);

(2) The specific information used to determine custody pursuant to § 10.6;

(3) The planned treatment, care, and handling of human remains, funerary objects, sacred objects, or objects of cultural patrimony recovered;

(4) The planned archeological recording of the human remains, funerary objects, sacred objects, or objects of cultural patrimony recovered;

(5) The kinds of analysis planned for each kind of object;

(6) Any steps to be followed to contact Indian tribe officials at the time of intentional excavation or inadvertent discovery of specific human remains, funerary objects, sacred objects, or objects of cultural patrimony;

(7) The kind of traditional treatment, if any, to be afforded the human remains, funerary objects, sacred objects, or objects of cultural patrimony by members of the Indian tribe or Native Hawaiian organization;

(8) The nature of reports to be prepared; and

(9) The disposition of human remains, funerary objects, sacred objects, or objects of cultural patrimony following § 10.6.

(f) *Comprehensive agreements.* Whenever possible, Federal agencies should enter into comprehensive agreements with Indian tribes or Native Hawaiian organizations that are affiliated with specific human remains, funerary objects, sacred objects, or objects of cultural patrimony and have claimed, or are likely to claim, those human remains, funerary objects, sacred objects, or objects of cultural patrimony excavated intentionally or discovered inadvertently on Federal lands. These agreements should address all Federal agency land management activities that could result in the intentional excavation or inadvertent discovery of human remains, funerary objects, sacred objects, or objects of cultural patrimony. Consultation should lead to the establishment of a process for effectively carrying out the requirements of these regulations regarding standard consultation procedures, the determination of

custody consistent with procedures in this section and § 10.6, and the treatment and disposition of human remains, funerary objects, sacred objects, or objects of cultural patrimony. The signed agreements, or the correspondence related to the effort to reach agreements, must constitute proof of consultation as required by these regulations.

(g) *Traditional religious leaders.* The Federal agency official must be cognizant that Indian tribe officials may need to confer with traditional religious leaders prior to making recommendations. Indian tribe officials are under no obligation to reveal the identity of traditional religious leaders.

§ 10.6 Custody.

(a) *Priority of custody.* This section carries out section 3 (a) of the Act, subject to the limitations of § 10.15, regarding the custody of human remains, funerary objects, sacred objects, or objects of cultural patrimony excavated intentionally or discovered inadvertently on Federal or tribal lands after November 16, 1990. For the purposes of this section, custody means ownership or control of human remains, funerary objects, sacred objects, or objects of cultural patrimony excavated intentionally or discovered inadvertently in Federal or tribal lands after November 16, 1990. Custody of these human remains, funerary objects, sacred objects, or objects of cultural patrimony is, with priority given in the order listed:

(1) In the case of human remains and associated funerary objects, in the lineal descendant of the deceased individual as determined pursuant to § 10.14 (b);

(2) In cases where a lineal descendant cannot be ascertained or no claim is made, and with respect to unassociated funerary objects, sacred objects, and objects of cultural patrimony:

(i) In the Indian tribe on whose tribal land the human remains, funerary objects, sacred objects, or objects of cultural patrimony were discovered inadvertently;

(ii) In the Indian tribe or Native Hawaiian organization that has the closest cultural affiliation with the human remains, funerary objects, sacred objects, or objects of cultural patrimony as determined pursuant to § 10.14 (c); or

(iii) In circumstances in which the cultural affiliation of the human remains, funerary objects, sacred objects, or objects of cultural patrimony cannot be ascertained and the objects were discovered inadvertently on Federal land that is recognized by a final judgment of the Indian Claims Commission or the United States Court of Claims as the aboriginal land of an Indian tribe:

(A) In the Indian tribe aboriginally occupying the Federal land on which the human remains, funerary objects, sacred objects, or objects of cultural patrimony were discovered inadvertently, or

(B) If it can be shown by a preponderance of the evidence that a different Indian tribe or Native Hawaiian organization has a stronger cultural relationship with the human remains, funerary objects, sacred objects, or objects of cultural patrimony, in the Indian tribe or Native Hawaiian organization that has the strongest demonstrated relationship with the objects.

(b) Custody of human remains, funerary objects, sacred objects, or objects of cultural patrimony and other provisions of the Act apply to all intentional excavations and inadvertent discoveries made after November 16, 1990, including those made before the effective date of these regulations.

(c) *Final notice, claims and disposition with respect to Federal lands.* Upon determination of the lineal descendant, Indian tribe, or Native Hawaiian organization that under these regulations appears to be entitled to custody of particular human remains, funerary objects, sacred objects, or objects of cultural patrimony excavated intentionally or discovered inadvertently on Federal lands, the responsible Federal agency official must, subject to the notice required herein and the limitations of § 10.15, transfer custody of the objects to the lineal descendant, Indian tribe, or Native Hawaiian organization following appropriate procedures, which must respect traditional customs and practices of the affiliated Indian tribes or Native Hawaiian organizations in each instance. Prior to any such disposition by a Federal agency official, the Federal agency official must publish general notices of the proposed disposition in a newspaper of general circulation in the area in which the human remains, funerary objects, sacred objects, or objects of cultural patrimony were excavated intentionally or discovered inadvertently and, if applicable, in a newspaper of general circulation in the area(s) in which affiliated Indian tribes or Native Hawaiian organizations members now reside. The notice must provide information as to the nature and affiliation of the human remains, funerary objects, sacred objects, or objects of cultural patrimony and solicit further claims to custody. The notice must be published at least two (2) times at least a week apart, and the transfer must not take place until at least thirty (30) days after the publication of the second notice to allow time for any additional claimants to come forward. If additional claimants do come forward and the Federal agency official cannot clearly determine which claimant is entitled to custody, the Federal agency must not transfer custody of the objects until such time as the proper recipient is determined pursuant to these regulations. The Federal agency official must send a copy of the notice and information on when and in what newspaper(s) the notice was published to the Departmental Consulting Archeologist.

§ 10.7 Disposition of unclaimed human remains, funerary objects, sacred objects, or objects of cultural patrimony. [Reserved]

Subpart C—Human remains, funerary objects, sacred objects, or objects of cultural patrimony in museums and Federal collections

§ 10.8 Summaries.

(a) *General.* This section carries out section 6 of the Act. Under section 6 of the Act, each museum or Federal agency that has possession or control over collections which may contain unassociated funerary objects, sacred objects, or objects of cultural patrimony must complete a summary of these collections based upon available information held by the museum or Federal agency. The purpose of the summary is to provide information about the collections to lineal descendants and culturally affiliated Indian tribes or Native Hawaiian organizations that may wish to request repatriation of such objects. The summary serves in lieu of an object-by-object inventory of these collections, although, if an inventory is available, it may be substituted. Federal agencies are responsible for ensuring that these requirements are met for all collections from their lands or generated by their actions whether the collections are held by the Federal agency or by a non-Federal institution.

(b) *Contents of summaries.* For each collection or portion of a collection, the summary must include: an estimate of the number of objects in the collection or portion of the collection; a description of the kinds of objects included; reference to the means, date(s), and location(s) in which the collection or portion of the collection was acquired, where readily ascertainable; and information relevant to identifying lineal descendants, if available, and cultural affiliation.

(c) *Completion.* Summaries must be completed not later than November 16, 1993.

(d) *Consultation.* (1) Consulting parties. Museum and Federal agency officials must consult with Indian tribe officials and traditional religious leaders:

(A) From whose tribal lands unassociated funerary objects, sacred objects, or objects of cultural patrimony originated;

(B) That are, or are likely to be, culturally affiliated with unassociated funerary objects, sacred objects, or objects of cultural patrimony; and

(C) From whose aboriginal lands unassociated funerary objects, sacred objects, or objects of cultural patrimony originated.

(2) Initiation of consultation. Museum and Federal agency officials must begin summary consultation no later than the completion of the summary process. Consultation may be initiated with a letter, but should be followed up by telephone or face-to-face dialogue with the appropriate Indian tribe official.

(3) Provision of information. During summary consultation, museum and Federal agency officials must provide copies of the summary to lineal descendants, when known, and to officials and traditional religious leaders representing Indian tribes or Native Hawaiian organizations that are, or are likely to be, culturally affiliated with the cultural items. A copy of the summary must also be provided to the Departmental Consulting Archeologist. Upon request by lineal descendants or Indian tribe officials, museum and Federal agency officials must provide lineal descendants, Indian tribe officials and traditional religious leaders with access to records, catalogues, relevant studies, or other pertinent data for the limited purposes of determining the geographic origin, cultural affiliation, and basic facts surrounding acquisition and accession of objects covered by the summary. Access to this information may be requested at any time and must be provided in a reasonable must be provided access to such materials.

(4) Requests for information. During the summary consultation, museum and Federal agency officials must request, as appropriate, the following information from Indian tribes and Native Hawaiian organizations that are, or are likely to be, culturally affiliated with their collections:

(i) Name and address of the Indian tribe official to act as representative in consultations related to particular objects;

(ii) Recommendations on how the consultation process should be conducted, including: (A) Names and appropriate methods to contact any lineal descendants, if known, of individuals whose unassociated funerary objects or sacred objects are included in the summary;

(B) Names and appropriate methods to contact any traditional religious leaders that the Indian tribe or Native Hawaiian organization thinks should be consulted regarding the collections; and

(iii) Kinds of cultural items that the Indian tribe or Native Hawaiian organization considers to be sacred objects or objects of cultural patrimony.

(e) Museum and Federal agency officials must document the following information regarding unassociated funerary objects, sacred objects, and objects of cultural patrimony in their collections and must use this documentation in determining the individuals, Indian tribes, and Native Hawaiian organizations with which they are affiliated:

(1) Accession and catalogue entries;

(2) Information related to the acquisition of unassociated funerary object, sacred object, or object of cultural patrimony, including:

(i) the name of the person or organization from whom the object was obtained, if known;

(ii) The date of acquisition,

(iii) The place each object was acquired, i.e., name or number of site, county, state, and Federal agency administrative unit, if applicable; and

(iv) The means of acquisition, i.e., gift, purchase, or excavation;

(3) A description of each unassociated funerary object, sacred object, or object of cultural patrimony, including dimensions, materials, and photographic documentation, if appropriate, and the antiquity of such objects, if known;

(4) A summary of the evidence used to determine the cultural affiliation of the unassociated funerary objects, sacred objects, or objects of cultural patrimony pursuant to § 10.14 of these regulations.

(f) *Notification.* Repatriation of unassociated funerary objects, sacred objects, or objects of cultural patrimony to lineal descendants, culturally affiliated Indian tribes, or Native Hawaiian organizations as determined pursuant to § 10.10 (a), must not proceed prior to submission of a notice of intent to repatriate to the Departmental Consulting Archeologist, and publication of the notice of intent to repatriate in the Federal Register. The notice of intent to repatriate must describe the unassociated funerary objects, sacred objects, or objects of cultural patrimony being claimed in sufficient detail so as to enable other individuals, Indian tribes or Native Hawaiian organizations to determine their interest in the claimed objects. It must include information that identifies each claimed unassociated funerary object, sacred object, or object of cultural patrimony and the circumstances surrounding its acquisition, and describes the objects that are clearly identifiable as to cultural affiliation. It must also describe the objects that are not clearly identifiable as being culturally affiliated with a particular Indian tribe or Native Hawaiian organization, but which, given the totality of circumstances surrounding acquisition of the objects, are likely to be culturally affiliated with a particular Indian tribe or Native Hawaiian organization. The Departmental Consulting Archeologist must publish the notice of intent to repatriate in the Federal Register. Repatriation may not occur until at least thirty (30) days after publication of the notice of intent to repatriate in the Federal Register.

§ 10.9 Inventories.

(a) *General.* This section carries out section 5 of the Act. Under section 5 of the Act, each museum or Federal agency that has possession or control over holdings or collections of human remains and associated funerary objects must compile an inventory of such objects, and, to the fullest extent possible based on information possessed by the museum or Federal agency, must identify the geographical and cultural affiliation of each item. The purpose of the inventory is to facilitate repatriation by providing clear descriptions of human remains and associated funerary objects and establishing the cultural affiliation between these objects and present-day Indian tribes and Native Hawaiian organizations. Museums and Federal agencies are encouraged to produce inventories first on those portions of their collections for which information is readily available or about which Indian tribes or Native Hawaiian organizations have expressed special interest. Early focus on these parts of collections will result in determinations that may serve as models for other inventories. Federal agencies must ensure that these requirements are met for all collections from their lands or generated by their actions whether the collections are held by the Federal agency or by a non-Federal institution.

(b) *Consultation.* (1) *Consulting parties.* Museum and Federal agency officials must consult with:

(i) Lineal descendants of individuals whose remains and associated funerary objects are likely to be subject to the inventory provisions of these regulations; and

(ii) Indian tribe officials and traditional religious leaders:

(A) From whose tribal lands the human remains and associated funerary objects originated;

(B) That are, or are likely to be, culturally affiliated with human remains and associated funerary objects; and

(C) From whose aboriginal lands the human remains and associated funerary objects originated.

(2) *Initiation of consultation.* Museum and Federal agency officials must begin inventory consultation as early as possible, no later in the inventory process than the time at which investigation into the cultural affiliation of human remains and associated funerary objects is being conducted. Consultation may be initiated with a letter, but should be followed up by telephone or face-to-face dialogue.

(3) *Provision of information.* During inventory consultation, museums and Federal agency officials must provide the following information in writing to lineal descendants, when known, and to officials and traditional religious leaders representing Indian tribes or Native Hawaiian organizations that are, or are likely to be, culturally affiliated with the human remains and associated funerary objects.

(i) A list of all Indian tribes and Native Hawaiian organizations that are, or have been, consulted regarding the particular human remains and associated funerary objects;

(ii) A general description of the conduct of the inventory;

(iii) The projected time frame for conducting the inventory; and

(iv) An indication that additional documentation used to identify cultural affiliation will be supplied upon request.

(4) *Requests for information.* During the inventory consultation, museum and Federal agency officials

must request, as appropriate, the following information from Indian tribes and Native Hawaiian organizations that are, or are likely to be, culturally affiliated with their collections:

(i) Name and address of the Indian tribe official to act as representative in consultations related to particular human remains and associated funerary objects;

(ii) Recommendations on how the consultation process should be conducted, including:

(A) Names and appropriate methods to contact any lineal descendants of individuals whose remains and associated funerary objects are or are likely to be included in the inventory; and

(B) Names and appropriate methods to contact traditional religious leaders who should be consulted regarding the human remains and associated funerary objects.

(iii) Kinds of cultural objects that the Indian tribe or Native Hawaiian organization reasonably believes to have been made exclusively for burial purposes or to contain human remains of their ancestors.

(c) *Required information.* The following documentation must be included, if available, for all inventories completed by museum or Federal agency officials:

(1) Accession and catalogue entries, including the accession/catalogue entries of human remains with which funerary objects were associated;

(2) Information related to the acquisition of each object, including:

(i) the name of the person or organization from whom the object was obtained, if known;

(ii) The date of acquisition,

(iii) The place each object was acquired, i.e., name or number of site, county, state, and Federal agency administrative unit, if applicable; and

(iv) The means of acquisition, i.e., gift, purchase, or excavation;

(3) A description of each set of human remains or associated funerary object, including dimensions, materials, and, if appropriate, photographic documentation, and the antiquity of such human remains or associated funerary objects, if known;

(4) A summary of the evidence, including the results of consultation, used to determine the cultural affiliation of the human remains and associated funerary objects pursuant to § 10.14 of these regulations.

(d) *Documents.* Two separate documents comprise the inventory:

(1) A listing of all human remains and associated funerary objects that are identified as being culturally affiliated with one or more present-day Indian tribes or Native Hawaiian organizations. The list must indicate for each item or set of items whether cultural affiliation is clearly determined or likely based upon the preponderance of the evidence; and

(2) A listing of all culturally unidentifiable human remains and associated funerary objects for which no culturally affiliated present-day Indian tribe or Native Hawaiian organization can be determined.

(e) *Notification.* (1) If the inventory results in the identification or likely identification of the cultural affiliation of any particular human remains or associated funerary objects with one or more Indian tribes or Native Hawaiian organizations, the museum or Federal agency, not later than six (6) months after completion of the inventory, must send such Indian tribes or Native Hawaiian organizations the inventory of culturally affiliated human remains, including all information required under § 10.9 (c), and a notice of inventory completion that summarizes the results of the inventory.

(2) The notice of inventory completion must summarize the contents of the inventory in sufficient detail so as to enable the recipients to determine their interest in claiming the inventoried items. It must identify each particular set of human remains or each associated funerary object and the circumstances surrounding its acquisition, describe the human remains or associated funerary objects that are clearly identifiable as to cultural affiliation, and describe the human remains and associated funerary objects that are not clearly identifiable as being culturally affiliated with an Indian tribe or Native Hawaiian organization, but which, given the totality of circumstances surrounding acquisition of the human remains or associated objects, are identified as likely to be culturally affiliated with a particular Indian tribe or Native Hawaiian organization.

(3) If the inventory results in a determination that the human remains are of an identifiable individual, the museum or Federal agency official must convey this information to the lineal descendant of the deceased individual, if known, and to the Indian tribe or Native Hawaiian organization of which the deceased individual was culturally affiliated.

(4) The notice of inventory completion and a copy of the inventory must also be sent to the Departmental Consulting Archeologist. These submissions should be sent in both printed hard copy and electronic formats. Information on the proper format for electronic submission and suggested alternatives for museums and Federal agencies unable to meet these requirements are available from the Departmental Consulting Archeologist.

(5) Upon request by an Indian tribe or Native Hawaiian organization that has received or should have received a notice of inventory completion and a copy of the inventory as described above, a museum or Federal agency must supply additional available documentation to supplement the information provided with the notice. For these purposes, the term documentation means a summary of existing museum or Federal agency records including inventories or catalogues, relevant studies, or other pertinent data for the limited purpose of determining the geographical origin, cultural affiliation,

and basic facts surrounding the acquisition and accession of human remains and associated funerary objects.

(6) If the museum or Federal agency official determines that the museum or Federal agency has possession of or control over human remains that cannot be identified as affiliated with a particular individual, Indian tribes or Native Hawaiian organizations, the museum or Federal agency must provide the Department Consulting Archeologist notice of this result and a copy of the list of culturally unidentifiable human remains and associated funerary objects. The Departmental Consulting Archeologist must make this information available to members of the Review Committee. Section 10.11 of these regulations will set forth procedures for disposition of culturally unidentifiable human remains of Native American origin. Museums or Federal agencies must retain possession of such human remains pending promulgation of § 10.11 unless legally required to do otherwise, or recommended to do otherwise by the Secretary. Recommendations regarding the disposition of culturally unidentifiable human remains may be requested prior to final promulgation of § 10.11.

(7) The Departmental Consulting Archeologist must publish notices of inventory completion received from museums and Federal agencies in the Federal Register.

(f) *Completion.* Inventories must be completed not later than November 16, 1995. Any museum that has made a good faith effort to complete its inventory, but which will be unable to complete the process by this deadline, may request an extension of the time requirements from the Secretary. An indication of good faith efforts must include, but not necessarily be limited to, the initiation of active consultation and documentation regarding the collections and the development of a written plan to carry out the inventory process. Minimum components of an inventory plan are: a definition of the steps required; the position titles of the persons responsible for each step; a schedule for carrying out the plan; and a proposal to obtain the requisite funding.

§ 10.10 Repatriation.

(a) *Unassociated funerary objects, sacred objects, and objects of cultural patrimony*—(1) *Criteria.* Upon the request of a lineal descendant, Indian tribe, or Native Hawaiian organization, a museum or Federal agency must expeditiously repatriate unassociated funerary objects, sacred objects, or objects of cultural patrimony if all the following criteria are met:

(i) The object meets the definitions established in § 10.2 (b)(4), (5) or (6); and

(ii) The cultural affiliation of the object is established:

(A) through the summary, consultation, and notification procedures in § 10.14 of these regulations; or

(B) by presentation of a preponderance of the evidence by a requesting Indian tribe or Native Hawaiian organization pursuant to section 7(c) of the Act; and

(iii) The known lineal descendant or culturally affiliated Indian tribe or Native Hawaiian organization presents evidence which, if standing alone before the introduction of evidence to the contrary, would support a finding that the museum or Federal agency does not have a right of possession to the objects as defined in § 10.10 (a)(2); and

(iv) The agency or museum is unable to present evidence to the contrary proving that it does have a right of possession as defined below; and

(v) None of the specific exceptions listed in § 10.10 (c) apply.

(2) *Right of possession.* For purposes of this section, "right of possession" means possession obtained with the voluntary consent of an individual or group that had authority of alienation. The original acquisition of a Native American unassociated funerary object, sacred object, or object of cultural patrimony from an Indian tribe or Native Hawaiian organization with the voluntary consent of an individual or group with authority to alienate such object is deemed to give right of possession to that object.

(3) *Notification.* Repatriation must take place within ninety (90) days of receipt of a written request for repatriation that satisfies the requirements of § 10.10 (a)(1) from a culturally affiliated Indian tribe or Native Hawaiian organization, provided that the repatriation may not occur until at least thirty (30) days after publication of the notice of intent to repatriate in the Federal Register as described in § 10.8.

(b) *Human remains and associated funerary objects*—(1) *Criteria.* Upon the request of a lineal descendant, Indian tribe, or Native Hawaiian organization, a museum and Federal agency must expeditiously repatriate human remains and associated funerary objects if all of the following criteria are met:

(i) The human remains or associated funerary object meets the definitions established in § 10.2 (b)(1) or (b)(3); and

(ii) The affiliation of the deceased individual to known lineal descendant, present day Indian tribe, or Native Hawaiian organization:

(A) has been reasonably traced through the procedures outlined in § 10.9 and § 10.14 of these regulations; or

(B) has been shown by a preponderance of the evidence presented by a requesting Indian tribe or Native Hawaiian organization pursuant to section 7 (c) of the Act; and

(iii) None of the specific exceptions listed in § 10.10 (c) apply.

(2) *Notification.* Repatriation must take place within ninety (90) days of receipt of a written request for

repatriation that satisfies the requirements of § 10.10 (b)(1) from the culturally affiliated Indian tribe or Native Hawaiian organization, provided that the repatriation may not occur until at least thirty (30) days after publication of the notice of inventory completion in the Federal Register as described in § 10.9.

(c) *Exceptions.* These requirements for repatriation do not apply to:

(1) Circumstances where human remains, funerary objects, sacred objects, or objects of cultural patrimony are indispensable to the completion of a specific scientific study, the outcome of which is of major benefit to the United States. Human remains, funerary objects, sacred objects, or objects of cultural patrimony in such circumstances must be returned no later than ninety (90) days after completion of the study; or

(2) Circumstances where there are multiple requests for repatriation of human remains, funerary objects, sacred objects, or objects of cultural patrimony and the museum or Federal agency, after complying with these regulations, cannot determine by a preponderance of the evidence which requesting party is the most appropriate claimant. In such circumstances, the museum or Federal agency may retain the human remains, funerary objects, sacred objects, or objects of cultural patrimony until such time as the requesting parties mutually agree upon the appropriate recipient or the dispute is otherwise resolved pursuant to these regulations or as ordered by a court of competent jurisdiction; or

(3) Circumstances where a court of competent jurisdiction has determined that the repatriation of the human remains, funerary objects, sacred objects, or objects of cultural patrimony in the possession or control of a museum would result in a taking of property without just compensation within the meaning of the Fifth Amendment of the United States Constitution, in which event the custody of the objects must be as provided under otherwise applicable law. Nothing in these regulations must prevent a museum or Federal agency, where otherwise so authorized, or a lineal descendant, Indian tribe, or Native Hawaiian organization, from expressly relinquishing title to, right of possession of, or control over any human remains, funerary objects, sacred objects, or objects of cultural patrimony.

(4) Circumstances where the repatriation is not consistent with other repatriation limitations identified in § 10.15 of these regulations.

(d) *Place and manner of repatriation.* The repatriation of human remains, funerary objects, sacred objects, or objects of cultural patrimony must be accomplished by the museum or Federal agency in consultation with the requesting lineal descendants, or culturally affiliated Indian tribe or Native Hawaiian organization, as appropriate, to determine the place and manner of the repatriation.

(e) The museum official or Federal agency official must inform the recipients of repatriations of any presently known treatment of the human remains, funerary objects, sacred objects, or objects of cultural patrimony with pesticides, preservatives, or other substances that represent a potential hazard to the objects or to persons handling the objects.

(f) *Record of repatriation.* (1) Museums and Federal agencies must adopt internal procedures adequate to permanently document the content and recipients of all repatriations.

(2) The museum official or Federal agency official, at the request of the Indian tribe official, may take such steps as are considered necessary pursuant to otherwise applicable law, to ensure that information of a particularly sensitive nature is not made available to the general public.

(g) *Culturally unidentifiable human remains.* If the cultural affiliation of human remains cannot be established pursuant to these regulations, the human remains must be considered culturally unidentifiable. Museum and Federal agency officials must report the inventory information regarding such human remains in their holdings to the Departmental Consulting Archeologist who will transmit this information to the Review Committee. The Review Committee is responsible for compiling an inventory of culturally unidentifiable human remains in the possession or control of each museum and Federal agency, and, for recommending to the Secretary specific actions for disposition of such human remains.

§ 10.11 Disposition of culturally unidentifiable human remains.[Reserved]

§ 10.12 Civil penalties. [Reserved]

§ 10.13 Future applicability. [Reserved]

Subpart D—General

§ 10.14 Lineal descent and cultural affiliation.

(a) *General.* This section identifies procedures for determining lineal descent and cultural affiliation between present-day individuals and Indian tribes or Native Hawaiian organizations and human remains, funerary objects, sacred objects, or objects of cultural patrimony in museum or Federal agency collections or excavated intentionally or discovered inadvertently from Federal lands. They may also be used by Indian tribes and Native Hawaiian organizations with respect to tribal lands.

(b) *Criteria for determining lineal descent.* A lineal descendant is an individual tracing his or her ancestry directly and without interruption by means of the

traditional kinship system of the appropriate Indian tribe or Native Hawaiian organization or by the common law system of descendance to a known Native American individual whose remains, funerary objects, or sacred objects are being requested under these regulations. This standard requires that the earlier person be identified as an individual whose descendants can be traced.

(c) *Criteria for determining cultural affiliation.* Cultural affiliation means a relationship of shared group identity that may be reasonably traced historically or prehistorically between a present-day Indian tribe or Native Hawaiian organization and an identifiable earlier group. All of the following requirements must be met to determine cultural affiliation between a present-day Indian tribe or Native Hawaiian organization and the human remains, funerary objects, sacred objects, or objects of cultural patrimony of an earlier group:

(1) Existence of an identifiable present-day Indian tribe or Native Hawaiian organization with standing under these regulations and the Act; and

(2) Evidence of the existence of an identifiable earlier group. Support for this requirement may include, but is not necessarily limited to evidence sufficient to:

(i) Establish the identity and cultural characteristics of the earlier group,

(ii) Document distinct patterns of material culture manufacture and distribution methods for the earlier group, or

(iii) Establish the existence of the earlier group as a biologically distinct population; and

(3) Evidence of the existence of a shared group identity that can be reasonably traced between the present-day Indian tribe or Native Hawaiian organization and the earlier group. Evidence to support this requirement must establish that a present-day Indian tribe or Native Hawaiian organization has been identified from prehistoric or historic times to the present as descending from the earlier group.

(d) A finding of cultural affiliation should be based upon an overall evaluation of the totality of the circumstances and evidence pertaining to the connection between the claimant and the material being claimed and should not be precluded solely because of some gaps in the record.

(e) *Evidence.* Evidence of a kin or cultural affiliation between a present-day individual, Indian tribe, or Native Hawaiian organization and human remains, funerary objects, sacred objects, or objects of cultural patrimony must be established by using the following types of evidence: Geographical, kinship, biological, archeological, anthropological, linguistic, folklore, oral tradition, historical, or other relevant information or expert opinion.

(f) *Standard of proof.* Lineal descent of a present-day individual from an earlier individual and cultural affiliation of a present-day Indian tribe or Native Hawaiian organization to human remains, funerary objects, sacred objects, or objects of cultural patrimony must be established by a preponderance of the evidence. Claimants do not have to establish cultural affiliation with scientific certainty.

§ 10.15 Repatriation limitations and remedies.

(a) *Failure to claim prior to repatriation.* (1) Any person who fails to make a timely claim prior to the repatriation or transfer of human remains, funerary objects, sacred objects, or objects of cultural patrimony is deemed to have irrevocably waived any right to claim such items pursuant to these regulations or the Act. For these purposes, a "timely claim" means the filing of a written claim with a responsible museum or Federal agency official prior to the time the particular human remains, funerary objects, sacred objects, or objects of cultural patrimony at issue are duly repatriated or disposed of to a claimant by a museum or Federal agency pursuant to these regulations.

(2) If there is more than one (1) claimant, the human remains, funerary object, sacred object, or objects of cultural patrimony may be held by the responsible museum or Federal agency or person having custody thereof pending resolution of the claim. Any person who has custody of such human remains, funerary objects, sacred objects, or objects of cultural patrimony and does not claim entitlement to them must place the objects in the custody of the responsible museum or Federal agency for retention until the question of custody is resolved.

(b) *Failure to claim where no repatriation or disposition has occurred. [Reserved]*

(c) *Exhaustion of remedies.* No person is considered to have exhausted his or her administrative remedies with respect to the repatriation or disposition of human remains, funerary objects, sacred objects, or objects of cultural patrimony subject to subpart B of these regulations, or, with respect to Federal lands, subpart C of these regulations, until such time as the person has filed a written claim for repatriation or disposition of the objects with the responsible museum or Federal agency and the claim has been duly denied following these regulations.

(d) *Savings provisions.* Nothing in these regulations can be construed to:

(1) Limit the authority of any museum or Federal agency to:

(i) Return or repatriate human remains, funerary objects, sacred objects, or objects of cultural patrimony to Indian tribes, Native Hawaiian organizations, or individuals; and

(ii) Enter into any other agreement with the consent of the culturally affiliated Indian tribe or Native Hawaiian organization as to the disposition of, or control

over, human remains, funerary objects, sacred objects, or objects of cultural patrimony.

(2) Delay actions on repatriation requests that were pending on November 16, 1990;

(3) Deny or otherwise affect access to court;

(4) Limit any procedural or substantive right which may otherwise be secured to individuals or Indian tribes or Native Hawaiian organizations; or

(5) Limit the application of any State or Federal law pertaining to theft of stolen property.

§ 10.16 Review committee.

(a) *General.* The Review Committee will advise Congress and the Secretary on matters relating to these regulations and the Act, including, but not limited to, monitoring the performance of museums and Federal agencies in carrying out their responsibilities, facilitating and making recommendations on the resolution of disputes as described further in § 10.17, and compiling a record of culturally unidentifiable human remains that are in the possession or control of museums and Federal agencies and recommending actions for their disposition.

(b) *Recommendations.* Any recommendation, finding, report, or other action of the Review Committee is advisory only and not binding on any person. Any records and findings made by the Review Committee may be admissible as evidence in actions brought by persons alleging a violation of the Act.

§ 10.17 Dispute resolution.

(a) *Formal and informal resolutions.* Any person who wishes to contest actions taken by museums, Federal agencies, Indian tribes, or Native Hawaiian organizations with respect to the repatriation and disposition of human remains, funerary objects, sacred objects, or objects of cultural patrimony is encouraged to do so through informal negotiations to achieve a fair resolution of the matter. The Review Committee may aid in this regard as described below. In addition, the United States District Courts have jurisdiction over any action brought that alleges a violation of the Act.

(b) *Review Committee Role.* The Review Committee may facilitate the informal resolution of disputes relating to these regulations among interested parties that are not resolved by good faith negotiations. Review Committee actions may include convening meetings between parties to disputes, making advisory findings as to contested facts, and making recommendations to the disputing parties or to the Secretary as to the proper resolution of disputes consistent with these regulations and the Act.

Appendix A to Part 10—Sample Summary

The following is a generic sample and should be used as a guideline for preparation of summaries tailoring the information to the specific circumstances of each case.

Before November 17, 1993

Chairman or Other Authorized Official

Indian tribe or Native Hawaiian organization

Street

State

Dear Sir/Madame Chair:

I write to inform you of collections held by our museum which may contain unassociated funerary objects, sacred objects, or objects of cultural patrimony that are, or are likely to be, culturally affiliated with your Indian tribe or Native Hawaiian organization. This notification is required by section 6 of the Native American Graves Protection and Repatriation Act.

Our ethnographic collection includes approximately 200 items specifically identified as being manufactured or used by members of your Indian tribe or Native Hawaiian organization. These items represent various categories of material culture, including sea and land hunting, fishing, tools, household equipment, clothing, travel and transportation, personal adornment, smoking, toys, and figurines. The collection includes thirteen objects identified in our records as "medicine bags."

Approximately half of these items were collected by John Doe during his expedition to your reservation in 1903 and accessioned by the museum that same year (see Major Museum Publication, no. 65 (1965).

Another 50 of these items were collected by Jane Roe during her expeditions to your reservation between 1950–1960 and accessioned by the museum in 1970 (see Major Museum: no. 75 (1975). Accession information indicates that several of these items were collected from members of the Able and Baker families.

For the remaining approximately 50 items, which were obtained from various collectors between 1930 and 1980, additional collection information is not readily available.

In addition to the above mentioned items, the museum has approximately 50 ethnographic items obtained from the estate of a private collector and identified as being collected from the "northwest portion of the State."

Our archeological collection includes approximately 1,500 items recovered from ten archeological sites on your reservation and another 5,000 items from fifteen sites within the area recognized by the Indian Claims Commission as being part of your Indian tribe's aboriginal territory.

Please feel free to contact Fred Poe at (012) 345-6789 regarding the identification and potential repatriation of unassociated funerary objects, sacred objects, or objects of cultural patrimony in this collection that are, or are likely to be, culturally affiliated with your Indian tribe or Native Hawaiian organization. You are invited to review our records, catalogues, relevant studies or other pertinent data for the purpose of determining the geographic origin, cultural affiliation, and basic facts surrounding acquisition and accession of these items. We look forward to working together with you.

Sincerely,

Museum Official

Major Museum

Appendix B to Part 10—Sample Notice of Inventory Completion

The following is an example of a Notice of Inventory Completion published in the Federal Register.

National Park Service

Notice of Inventory Completion for Native American Human Remains and Associated Funerary Objects from Hancock County, ME, in the Control of the National Park Service.

AGENCY: National Park Service, Interior.

ACTION: Notice.

Notice is hereby given following provisions of the Native American Graves Protection and Repatriation Act, 25 U.S.C. 3003(d), of completion of the inventory of human remains and associated funerary objects from a site in Hancock County, ME, that are presently in the control of the National Park Service.

A detailed inventory and assessment of these human remains has been made by National Park Service curatorial staff, contracted specialists in physical anthropology and prehistoric archeology, and representatives of the Penobscot Nation, Aroostook Band of Micmac, Houlton Band of Maliseet, and the Passamaquoddy Nation, identified collectively hereafter as the Wabanaki Tribes of Maine.

The partial remains of at least seven individuals (including five adults, one subadult, and one child) were recovered in 1977 from a single grave at the Fernald Point Site (ME Site 43-24), a prehistoric shell midden on Mount Desert Island, within the boundary of Acadia National Park. A bone harpoon head, a modified beaver tooth, and several animal and fish bone fragments were found associated with the eight individuals. Radiocarbon assays indicate the burial site dates between 1035–1155 AD. The human remains and associated funerary objects have been catalogued as ACAD-5747, 5749, 5750, 5751, 5752, 5783, 5784. The partial remains of an eighth individual (an elderly male) was also recovered in 1977 from a second grave at the Fernald Point Site. No associated funerary objects were recovered with this individual. Radiocarbon assays indicate the second burial site dates between 480–680 AD. The human remains have been catalogued as ACAD-5748. The human remains and associated funerary objects of all nine individuals are currently in the possession of the University of Maine, Orono, ME.

Inventory of the human remains and associated funerary objects and review of the accompanying documentation indicates that no known individuals were identifiable. A representative of the Wabanaki Tribes of Maine has identified the Acadia National Park area as a historic gathering place for his people and stated his belief that there exists a relationship of shared group identity between these individuals and the Wabanaki Tribes of Maine. The Prehistoric Subcommittee of the Maine State Historic Preservation Office's Archaeological Advisory Committee has found it reasonable to trace a shared group identity from the Late Prehistoric Period (1000–1500 AD) inhabitants of Maine as an undivided whole to the four modern Indian tribes known collectively as the Wabanaki Tribes of Maine on the basis of geographic proximity; survivals of stone, ceramic and perishable material culture skills; and probable linguistic continuity across the Late Prehistoric/Contact Period boundary. In a 1979 article, Dr. David Sanger, the archeologist who conducted the 1977 excavations at the Fernald Point Site and uncovered the above-mentioned burials, recognizes a relationship between Maine sites dating to the Ceramic Period (2,000 B.P.–1600 A.D.) and present-day Algonkian speakers generally known as Abenakis, including the Micmac, Maliseet, Passamaquoddy, Penobscot, Kennebec, and Pennacook groups.

Based on the above mentioned information, officials of the National Park Service have determined that, pursuant to 25 U.S.C. 3001 (2), there is a relationship of shared group identity which can be reasonably traced between these human remains and associated funerary objects and the Wabanaki Tribes of Maine.

This notice has been sent to officials of the Wabanaki Tribes of Maine. Representatives of any other Indian tribe which believes itself to be culturally affiliated with these human remains and associated funerary objects should contact Len Bobinchock, Acting Superintendent, Acadia National Park, P.O. Box 177, Bar Harbor, ME 04609, telephone: (207) 288-0374, before August 31, 1994. Repatriation of these human remains and associated funerary objects to the Wabanaki Tribes of Maine may begin after that date if no additional claimants come forward.

Dated: July 21, 1994

Francis P. McManamon,

Departmental Consulting Archeologist,

Chief, Archeological Assistance Division.

[Published: August 1, 1994]

George T. Frampton, Jr.,

Assistant Secretary for Fish and Wildlife and Parks.

[FR Doc. 95-29418 Filed 12-1-95; 8:45 am]

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APPENDIX 2

Points of Contact for BLM Archaeological-Collections Information

Adelberg, Edward, director, Peabody Museum of Natural History, Yale University, contacted by mail

Agenbroad, Larry, professor, Northern Arizona University, (602) 523-3180

Allen, Christina, project director, (505) 897-3431

Anderson, Douglas, professor, Brown University, (401) 863-3251, fax: ext. 7588

Anderson, Eileen, land manager, Sitnasauk Native Corporation, (907) 443-2632

Arbolino, Jamie, research assistant, AMNH, (212) 769-5866

Arrington, Kristie, BLM, Colorado, (303) 247-4082

Barker, Pat, archaeologist, BLM, Nevada, (702) 785-6482

Bellantoni, Nicholas, state archeologist, University of Connecticut, Storrs, (203) 486-5248

Bennett, Jack, Archaeological Assessments, Inc., Nashville, Arkansas, (501) 845-4348

Bettinger, Robert, professor, University of California, Davis, (916) 752-0745

Bieberman, Robert, New Mexico Mining Institute, Socorro, (505) 835-5420

Black, Lydia, University of Alaska, Fairbanks, (907) 474-7288

Blackman, Margaret, professor, SUNY, Brockport, (716) 637-2931, fax: (716) 395-2684

Bockstoce, John, Dartmouth, Massachusetts, (508) 999-4963

Brashler, Janet, curator, Grand Valley State University, (616) 895-3694

Brooks, Robert, state archeologist, Oklahoma, (405) 325-7211

Buck, Rebecca, curator, University of Pennsylvania Museum, (215) 898-7900

Bucksath, Sue, curator, University Museum, Southern Illinois University, Carbondale, (618) 453-5388

Burger, Richard, director, Peabody Museum of Natural History, Yale University, fax: (203) 432-3758

Butler, Brian, assistant director, Center for Archaeological Investigations, Southern Illinois University, Carbondale, (618) 453-5031

Cady, Mary Ann, assistant to Edwin Hall, SUNY, Brockport, (716) 637-2931, fax: (716) 395-2684

Capon, Ranel, archaeologist, BLM, Wyoming, (307) 775-6110

Chadwick, Dick, staff, University of New Mexico Office of Contract Archaeology, (505) 277-5853

Clark, Donald, Archaeological Survey of Canada, Ottawa, (819) 776-8179

Clay, Berle, state archaeologist, University of Kentucky, Lexington, (606) 257-5735

Cook, John, archaeologist, BLM, Fairbanks, Alaska, (907) 474-2359

Cox, Jeff, lab supervisor, Museum of New Mexico, (505) 827-6343, fax: (505) 827-7308

Cramer, Ken, librarian, Baker Library Special Collections, Dartmouth College, (603) 646-2037

Cronenwett, Phillip, curator of manuscripts, Baker Library, Dartmouth College, (603) 646-2037

Cutler, Scott, collections manager, El Paso Centennial Museum, University of Texas, (915) 747-5565

D'Altroy, Terence, professor, Anthropology Department, Columbia University, (212) 854-2131

Dansie, Amy, administrator of federal contracts, Nevada State Museum, (702) 687-4811

Davis, Ted, dean of Arts and Sciences, Chadron State College, (308) 432-6293

Dechambre, David J., Northland Research, Inc., Flagstaff, Arizona, (520) 774-5057

Deitz, Lisa, curator, University of California, Davis, (916) 757-0745

Dent, Joseph, curator of archaeological collections, American University, (202) 885-1848

De Mita, Frank, research assistant, Museum of Anthropology, University of Michigan, Ann Arbor, email: fdemita@umich.edu

Dickel, David, collections manager, Florida Bureau of Archeological Research, (904) 487-2299, fax: (904) 488-3353

Droke, Julie, collections manager, Oklahoma Museum of Natural History, (405) 325-4712

DuBois, Robert, formerly at Earth Sciences Observatory, University of Oklahoma, Norman, retired, contacted at residence, number withheld

Dunbar, Jim, archaeologist, Florida Bureau of Archeological Research, (904) 487-2299

Garland, Elizabeth, professor, Western Michigan University, (616) 387-3969

Gentis, Thierry, assistant curator, Haffenreffer, (401) 253-8388

Graham, Martha, director, Cultural Resources Office, AMNH, (212) 769-5846, fax: (212) 769-5334

Gumerman, George, College of Santa Fe, email: jorge@santafe.edu

Haecker, Lou, Archaeological Records Management Service, Santa Fe, New Mexico, (505) 827-6347, fax: (505) 827-6497

Harrison, Terry, associate professor, New York University, (212) 998-8581

Herron, Mary, curator, Museum of the Red River, (405) 286-3616

Hill, Diana, Monitor Sanctuary Education Office, (804) 599-3122

Hill, Jim, professor, University of California, Los Angeles, (310) 825-3222

Hill, Martha, curator, Peabody Museum of Natural History, Yale University, (203) 432-3774

Hull-Walski, Debra, collections manager, Smithsonian Institution, (202) 357-2483

Hume, Gary, state archaeologist, New Hampshire, (603)271-3483 or -3558

Jacobs, Theresa, registrar, Nebraska State Historical Society, (402) 471-4790

Jansonius, Remko, curator, Historical Museum of Southern Florida, (305) 375-1492

Johnson, Ann, archeologist, NPS, Colorado, (303) 969-2887

Kelley, Jane H., principal investigator, University of Alberta, Calgary, (403) 220-5227

Kennedy, David, curator, Museum of Anthropology, University of Michigan, Ann Arbor, (313) 764-0485, fax: (313) 763-7783

Killion, Tom, NAGPRA coordinator, Smithsonian Institution, (202) 357-4740

Klein, Janice, registrar, Field Museum of Natural History, Chicago, (312) 922-9410

Knecht, Richard, director, Alutiiq Cultural Center, (907) 486-1992 or 486-1942

Krakker, James, collections manager, archaeological collections, Smithsonian Institution, (202) 357-2483

Ladkin, Nicki, curator, Texas Tech Museum, Lubbock, Texas, (806) 742-2479

Larralde, Signa, BOR, Salt Lake City, (801) 524-6292

Laughlin, William S., professor, University of Connecticut, Storrs, (203) 486-2556

Leicht, Ray, archeologist, BLM, Wyoming, (307) 775-6119

Levine, Fran, status unknown, contacted at residence, phone number withheld

Lewis, Michael, University of Alaska Museum, Fairbanks, Alaska, (907) 474-6943

Linder-Lindsley, Sue, collections manager, Southern Methodist University, Dallas, (214) 768-2938

Lipe, William, Washington State University, (509) 335-3441 ext. 2100, fax: (509) 335-3199

Lund, Judy, curator, Old Dartmouth Historical Society Whaling Museum, (508) 997-0046

Massey, Betty, curator, Galveston Historical Foundation, Galveston, Texas, (409) 765-7834

Mathewson, Duncan, executive director, National Center for Shipwreck Research, (305) 852-1690, fax: (305) 852-8617

McGonagle, Roberta, archeologist, BLM, Nevada, (702) 635-4000

Meyers, Tom, Department of Anthropology, University of Nebraska, Lincoln, (402) 472-5044

Moore, John, director, Regional Archeology Center, University of Wisconsin, Stevens Point, (715) 346-3752

Morrell, Ross, Florida Department of Game and Fish, (904) 487-3794, fax: (904) 488-6988

Nassaney, Michael, associate professor, Western Michigan University, (616) 387-3981, email: michael.nassaney@wmich.edu

Newsom, Lee, curator, Center for Archaeological Investigations, Southern Illinois University, Carbondale, (618) 453-5031

Nietfeld, Pat, curator, Laboratory of Anthropology, Museum of New Mexico, Santa Fe, (505) 827-6344

O'Donnell, Molly, assistant curator, Museum of Anthropology, University of Missouri, Columbia, (314) 882-3764

Olsen, Bill, archeologist, BLM, California, (916) 978-4730

Reed, Nelson, dean of Business, Florida Keys Community College, (305) 296-9081

Reger, Doug, Office of History and Archaeology, Alaska, Anchorage, (907) 762-2622

Rohn, Arthur, professor, Wichita State University, Wichita, Kansas, (316) 689-3195

Russell, Glenn, curator, Fowler Museum of Cultural History, University of California, Los Angeles, (310) 825-1864

Schenian, Pamela, archaeologist, Fort Knox Military Reservation, (502) 624-6581

Scrantz, Bruce, Florida Museum of History, (904) 488-1484

Smith, Bob, diving instructor, Florida Keys Community College, (305) 296-9081

Smith, Roger, state underwater archaeologist, Florida, (904) 487-2299

Speth, John, University of Michigan, Ann Arbor, (313) 764-0485

Stoltman, John, University of Wisconsin, Madison, (608) 262-2574

Stubbs, John, Peabody Museum of Archaeology and Ethnology, Harvard University, (617) 496-3702

Tate, Marcia, Powers Elevation Co., Inc., Denver, (303) 321-2217

Taylor, Michelle, NAGPRA coordinator, Onalaska Corporation, (907) 581-1276

Thom, Alston, professor, Texas Tech University, Lubbock, (409) 845-4044

Townsend, Joan, professor, University of Manitoba, (204) 474-6328, email: townsnd @ccm.umanitoba.ca

Townsend, Steve, Archaeological Records Management Service, Santa Fe, New Mexico, (505) 827-6343

Trantham, Bill, instructor, Florida Keys Community College, (305) 296-9081

Versaggi, Nina, collections manager, SUNY, Binghamton, (607) 777-4786

Watson, Patty Jo, professor, Washington University, (314) 935-6346

Watts, Gordon, professor, maritime history, East Carolina University, (919) 975-6659

Wilde-Ramsing, Mark, North Carolina Department of Cultural Resources, (910) 458-9042

Williams, Barry, Kansas State Historical Society, (913) 296-3251

Williams, Lee, director, Newfound Harbor Marine Institute, (305) 872-2205

Williams, Lucy, keeper of American collections, University of Pennsylvania Museum, (215) 898-4048

Wolfman, Dan (deceased), formerly at the Museum of New Mexico, Santa Fe

Wood, W. Raymond, professor, University of Missouri, Columbia, (314) 882-4362

APPENDIX 3

Collections Summary by Curation Facility

Information about each permit—the points of contact and a summary of the permit inquiries—is provided for each designated curation facility. Original numbers represent the permit's original designation in the IPS database. The facilities are organized by state, and alphabetically within each state.

Connecticut

Peabody Museum of Natural History, Yale University, New Haven

Permits Issued June 11, 1931, and May 25, 1932 (Renewed June 7, 1934), and Permit No. 64-AK-220, Alaska

Points of Contact

Martha Hill, curator, Peabody Museum of Natural History, (203) 432-3774

Edward Adelberg, former director, Peabody Museum of Natural History, contacted by mail

Richard Burger, director, Peabody Museum of Natural History, fax: (203) 432-3758

Summary of Contacts

Martha Hill located in a computerized database references to two collections—one archaeological and one ethnographic—that may be associated with Permit No. 64-AK-220. No record of collections from 1931 or 1932 was present in the database, which is incomplete. Hill requested that a formal letter indicating our needs be addressed to Adelberg, who had replaced Alison Richard as the NAGPRA representative. When Hill was contacted to ascertain the progress of the inquiry, she stated that Adelberg was no longer the director and that the letter had never reached her. Hill then requested that another letter be sent to the new director, Richard Burger. Burger subsequently supplied completed questionnaires regarding the permitted collections.

Status of Inquiry

The 1931-permit collection contains the human skeletal remains of two or more individuals. The designated curation facility has assumed responsibility for NAGPRA compliance. The presence or absence of any materials from Permit No. 64-AK-220 at the Smithsonian Institution remains to be determined.

University of Connecticut, Storrs

Permit Nos. 70-AK-040, 73-AK-061, and 74-AK-024

Points of Contact

Nicholas Bellantoni, state archaeologist, University of Connecticut, Storrs, (203) 486-5248

Doug Reger, Office of History and Archaeology, Anchorage, Alaska, (907) 762-2622

Richard Knecht, director, Alutiiq Cultural Center, Kodiak, Alaska, (907) 486-1992 or 486-1942

William S. Laughlin, professor, University of Connecticut, Storrs, (203) 486-2556

Michael Lewis, University of Alaska Museum, Fairbanks, (907) 474-6943

Summary of Contacts

Nicholas Bellantoni stated that he recalled some collections from Alaska being present at the curation facility and that he would investigate. He

subsequently stated that all of the collections had been returned to a museum on Kodiak Island. Doug Reger was contacted in reference to permits at the University of Wisconsin, Madison. He supplied the telephone number for the Alutiiq Cultural Center, which was believed to be the museum to which Bellantoni was referring. Richard Knecht stated that Laughlin had received funding to prepare his collections for curation at the Alutiiq Cultural Center, but the task was not completed before the funds were depleted. Laughlin confirmed this and stated that he is still preparing the collections and his papers for curation. However, the recovered human skeletal remains have been repatriated and reinterred in a Native Alaskan ceremony. He provided documentation of this ceremony, which was submitted to the BLM at the completion of Stage One.

Status of Inquiry

This inquiry has been completed, but the status of the transfer of collections to Native Alaskan organizations should be monitored.

District of Columbia

American University, Washington, D.C.

Permit No. 74-CA-047

Points of Contact

Joseph Dent, curator of archaeological collections, American University, (202) 885-1848

Gary Hume, state archaeologist, New Hampshire, (603) 271-3483 or 271-3558

Summary of Contacts

Joseph Dent was contacted to determine if any collections made under this permit were at American University. Dent stated that Gary Hume, the project director, was no longer at American University and no collection made by Hume was being curated there. Upon speaking with Hume, he stated that artifact locations were mapped, but no materials were collected at the Harris site, which is located in the permitted area.

Status of Inquiry

No collections were made under this permit.

Carnegie Institution, Washington, D.C.

Permit Issued 1932, New Mexico

Point of Contact

John Stubbs, curatorial assistant for North American archaeology, Peabody Museum of Archaeology and Ethnology, Harvard University, (617) 496-3702

Summary of Contacts

The Carnegie Institute in Pittsburgh was initially contacted and it was learned that the Carnegie Institution was a separate—now defunct—organization. Frank Wozniak, NAGPRA coordinator for the New Mexico BLM, supplied information indicating that the collections had been transferred to the Peabody Museum at Harvard. John Stubbs provided some information about the collections.

Status of Inquiry

The Carnegie Institution was an entity distinct from the Carnegie Institute in Pittsburgh, and is no longer operational. The collections held at the institution were reportedly transferred to the Peabody Museum.

Smithsonian Institution, Washington, D.C.

Permits Issued May 19, 1960, May 1961, and April 18, 1967, and Permit Nos. 64-AK-220, 70-AK-029, and 73-AK-053, Alaska

Points of Contact

James Krakker, collections manager, archaeological collections, Smithsonian Institution, (202) 357-2483

Debra Hull-Walski, collections manager, Smithsonian Institution, (202) 357-2483

Tom Killion, NAGPRA coordinator, Smithsonian Institution, (202) 357-4740

Margaret Blackman, professor, SUNY, Brockport, (716) 637-2931, fax: (716) 395-2684

Mary Ann Cady, assistant to Edwin S. Hall, SUNY, Brockport, fax: (716) 395-2684

Summary of Contacts

An attempt was made to contact James Krakker. Debra Hull-Walski subsequently contacted the St. Louis District office for Krakker, and stated that the Smithsonian was conducting its own repatriation review and that providing other federal agencies with information about collections would be a duplication of effort. She also stated that a letter to that effect had been mailed to Stephanie Damadio of the BLM. Tom Killion agreed to provide the information requested, but did not respond to our written request prior to the end of Stage One. Information concerning the permit issued on April 18, 1967, was supplied by Margaret Blackman and Mary Ann Cady as a result of contacts regarding other BLM collections at SUNY, Brockport.

Status of Inquiry

Smithsonian Institution personnel did not respond to our inquiries prior to the end of Stage One. The 1960 permit file indicates that human skeletal remains were collected and that they may be curated at either the Smithsonian or the University of Alaska Museum, the designated curation facilities. The permit file for Permit No. 73-AK-053 also indicates that its collection may include human skeletal remains. Killion should be recontacted to obtain information on these collections. The University of Alaska Museum should be contacted, as it is a designated co-curation facility on several of the permits.

Florida

Florida Keys Community College, Key West

Permit No. 76-FL-237

Points of Contact

Bill Trantham, instructor, Florida Keys Community College, (305) 296-9081

Bob Smith, diving instructor, Florida Keys Community College, (305) 296-9081

Nelson Reed, dean of Business, Florida Keys Community College, (305) 296-9081

Lee Williams, director, Newfound Harbor Marine Institute, Key West, Florida, (305) 872-2205

Duncan Mathewson, executive director, National Center for Shipwreck Research, Tavernier, Florida, (305) 852-1690

Summary of Contacts

A number of individuals were contacted at this facility regarding Permit No. 76-FL-237; however, the permittees, Jack Steffney and Walter Grahn, were not affiliated with the college. The only record of either was a 1980 class registration for Grahn. Bill Trantham, an instructor who has been involved in diving projects since 1972, has no memory of the project or its principals. Nelson Reed found no record of the permit, but contacted an individual off-campus in the area of the permitted activity. He suggested that the permit was requested in conjunction with the Newfound Harbor Marine Institute, which runs camps and instructional courses. Lee Williams, the institute's director, suggested that the permit may have been requested in conjunction with a camp or course, but could not recall any such arrangements. Communication with Remko Jansonius of the Historical Museum of Southern Florida, however, revealed that Newfound Harbor was not planned until 1978 or 1979, making a connection with Permit No. 76-FL-237 doubtful.

Duncan Mathewson, contacted regarding another permit, stated he was familiar with the permittees and that both still lived on Duck Key. Directory assistance, however, had no listing for either individual on the Florida Keys. A 1977 proposal related to a permit for the Historical Museum of Southern Florida listed both individuals as providing operational support. The telephone numbers listed in the proposal are now for the Key's Boat Works. The owner was familiar with both individuals but stated that both were deceased and that Grahn was survived by a son, Ken Grahn. Attempts to contact Ken Grahn were unsuccessful; directory assistance has no listing for him in the Florida Keys.

Status of Inquiry

The St. Louis District was unable to confirm the existence or location of any collection made under this permit.

Florida Museum of History–Florida Bureau of Archeological Research, Tallahassee

Permit Nos. 75-FL-054, 76-FL-088, and 77-FL-005

Points of Contact

Bruce Scrantz, Florida Museum of History, (904) 488-1484

David Dickel, collections manager, Florida Bureau of Archeological Research, (904) 487-2299, fax: (904) 488-3353

Jim Dunbar, archaeologist, Florida Bureau of Archeological Research, (904) 487-2299

Duncan Mathewson, executive director, National Center for Shipwreck Research, Tavernier, Florida, (305) 852-1690

Ross Morrell, Florida Department of Game and Fish, (904) 487-3794, fax: (904) 488-6988

Roger Smith, state underwater archaeologist, Florida, (904) 487-2299

Summary of Contacts

The Florida Museum of History is the designated curation facility for the permits listed. However, when the museum was contacted, Bruce Scrantz stated that collections are curated by the Florida Bureau of Archeological Research. David Dickel was then contacted. He reviewed the records and conferred with Jim Dunbar. Dickel and Dunbar were able to identify Permit No. 76-FL-088, but not the remaining permits. In attempting to identify the remaining permits, Duncan Mathewson and Ross Morrell were contacted. Mathewson has been active in underwater salvage in the Florida Keys for 20 years and Morrell was the director of the Florida Bureau of Archeological Research's Underwater Archaeology Division during the 1970s. Mathewson was unable to identify any projects that might be related to the permits. Morrell was provided copies of the permits and the permit from Florida Keys Community College, but still was unable to identify the projects associated with the permits. He suggested speaking to Roger Smith. Smith could not recall the remaining permits.

Status of Inquiry

Only one of the permit collections could be identified. The remaining two permits appear to be untraceable without a closer examination of the curation facility's records. Given that both permits were issued for underwater archaeology, it is unlikely that either project recovered items subject to NAGPRA.

Historical Museum of Southern Florida, Miami

Permit No. 77-FL-262 (Originally 77-FL-806)

Points of Contact

Remko Jansonius, curator, Historical Museum of Southern Florida, (305) 375-1492

Lee Williams, director, Newfound Harbor Marine Institute, Key West, Florida, (305) 872-2205

Duncan Mathewson, executive director, National Center for Shipwreck Research, Tavernier, Florida, (305) 852-1690

Summary of Contacts

Remko Jansonius was provided information for Permit No. 77-FL-806. He then contacted Randy Nimnicht, principal investigator in general charge of the permitted activity, after the latter's return from a conference on September 26, 1994. Nimnicht stated that the project was for Newfound Harbor Marine Institute. St. Louis District personnel then contacted Lee Williams, director of the Newfound Harbor Marine Institute, who stated that she believed the permit was requested for a three-day teachers' workshop during which no collections were made. Williams referred St. Louis District personnel to Duncan Mathewson, who confirmed Williams's statements and volunteered to assist in identifying other permitted activities in Florida (see the entries for Florida Keys Community College

and Florida Bureau of Archeological Research). The information, however, proved to be incorrect; Jansonius subsequently faxed the St. Louis District office a copy of a proposal to evaluate underwater survey methods. The proposal cites an Antiquities Act permit issued for 1977. Jansonius reports that this project, rather than the Newfound Harbor Marine Institute, was the object of the permit. The project, however, was never funded, and no activities took place under the permit.

Status of Inquiry

No activities were conducted under this permit; therefore, no collection was made.

Illinois

Field Museum of Natural History, Chicago

Permit Covering 1948–1951, Alaska

Points of Contact

Janice Klein, registrar, Field Museum of Natural History, (312) 922-9410

Michael Lewis, University of Alaska Museum, Fairbanks, (907) 474-6943

Summary of Contacts

Janice Klein, originally contacted by telephone, asked for a written request for information. She subsequently responded with the information that the collection was at the University of Alaska Museum. Contacted regarding the Bank Collection, Michael Lewis provided the information detailed in the permit summary.

Status of Inquiry

The Bank Collection, made under the 1948–1951 permit, is curated at the University of Alaska Museum. The collection contains human skeletal remains and probably other items subject to NAGPRA. However, according to Lewis, the collection has not been inventoried. The University of Alaska Museum should be contacted regarding the status of the collection and the nature of their curation-trust agreement with the Aleut Native Corporation. The remaining collections are accessioned and cataloged at the designated curation facility and reportedly contain no items subject to NAGPRA.

Southern Illinois University, Carbondale

Permit Nos. 76-NM-027 and 77-CO-071

Points of Contact

Sue Bucksath, curator, University Museum, Southern Illinois University, Carbondale, (618) 453-5388

Brian Butler, assistant director, Center for Archaeological Investigations, (618) 453-5031

George J. Gumerman, College of Santa Fe, email: jorge@santafe.edu

Lee Newsom, curator, Center for Archaeological Investigations, (618) 453-5031

Summary of Contacts

Sue Bucksath stated that responsibility for these collections would have been transferred to the Center for Archaeological Investigations, although the collections are still stored at the University Museum. She suggested contacting Dick Rice, director, or Lee Newsom, curator, at the Center for Archaeological Investigations. Both of these individuals were unavailable. Therefore, Brian Butler, assistant director, was given the information contained in the permit files. Butler stated that the Black Mesa Project mentioned in the permit database took place in Arizona, not New Mexico or Colorado. He suggested that the New Mexico permit was for the Star Lake Archaeological Project, which was directed by Walter K. Wait and Ben A. Nelson. George J. Gumerman confirmed Butler's statement. Newsom also confirmed that Permit No. 76-NM-027 was issued for the Star Lake Archaeological Project. Regarding Permit No. 77-CO-071, both Gumerman and Newsom stated that the current location of the collection was unknown, but that it was probably still in the possession of the project director.

Status of Inquiry

The collection made under Permit No. 76-NM-027 is stored at the Center for Archaeological Investigations, but has not been accessioned or cataloged. According to Newsom, this collection contains no items subject to NAGPRA. The collection made under Permit No. 77-CO-071 is apparently still in the possession of the project director, who has been contacted by BLM law enforcement personnel. The appropriate BLM officials in Colorado should be contacted to determine the current status of the case.

Kansas

Kansas State Historical Society, Topeka

Permit No. 82-WY/NE/KS-00

Points of Contact

Barry Williams, Kansas State Historical Society, (913) 296-3251

Marcia Tate, Powers Elevation Co., Inc., Denver, Colorado, (303) 321-2217

Theresa Jacobs, registrar, Nebraska State Historical Society, Lincoln, (402) 471-4790

Summary of Contacts

The Kansas State Historical Society is the designated curation facility on the permit, which was a multistate, blanket permit issued to Powers Elevation Co., Inc. Barry Williams reviewed the Kansas State Historical Society bibliographic records of CRM reports for 1982 and found no reports from Powers Elevation Co., Inc., on file. Marcia Tate confirmed that no work was done in Kansas. Because the permit also authorized work in Nebraska, contact was made with the registrar at the Nebraska State Historical Society. After reviewing the files in reference to the Brechtel citation (see Chapter 3) and to projects conducted by Powers Elevation Co., Inc., Theresa Jacobs stated that there were no collections from either for the year in question.

Status of Inquiry

No collections within the states of Kansas or Nebraska could be identified for the permit. It is possible that such collections are in Wyoming.

Wichita State University, Wichita

Permit No. 74-CO-028

Points of Contact

Arthur Rohn, professor, Wichita State University, (316) 689-3195

Kristie Arrington, BLM, Colorado, (303) 247-4082

Summary of Contacts

Arthur Rohn, who was contacted at his Wichita State office, provided a working inventory of the collection and a copy of his publication on the project. An initial attempt to obtain a copy of his report from the BLM offices in Colorado was unsuccessful. Kristie Arrington subsequently forwarded information on file at her office concerning the permit, including the report.

Status of Inquiry

The collection is stored at the designated curation facility, but has not been accessioned or properly cataloged. The collection contains one bone fragment that is reported to be human skeletal remains. The fragment was found in a disturbed context. No other human skeletal remains or additional items subject to NAGPRA appear to be included in the collection. Based on the information available, consultation and repatriation can be initiated without conducting an on-site inventory of the human skeletal remains.

Kentucky

University of Kentucky, Lexington

Permit No. 76-KY-039-A

Points of Contact

Berle Clay, state archaeologist, University of Kentucky, Lexington, (606) 257-5735

Pamela Schenian, archaeologist, Fort Knox Military Reservation, Kentucky, (502) 624-6581

Summary of Contacts

Berle Clay, state archaeologist and a faculty member at the University of Kentucky, was contacted concerning the permit. He contacted Betty McGraw, project director, who stated that the project was a bridge-replacement survey of limited scope. No sites were recorded and no artifacts were recovered. St. Louis District personnel requested a copy of the report from Clay, but his office did not have a copy. Subsequent attempts to contact McGraw were unsuccessful. Pamela Schenian was contacted for a copy of the report, and she provided one to the St. Louis District.

Status of Inquiry

No collection associated with this permit was made.

Massachusetts

Old Dartmouth Historical Society Whaling Museum, New Bedford

Permit No. 76-AK-225 (Originally 76-AK-599)

Points of Contact

Judy Lund, curator, Old Dartmouth Historical Society Whaling Museum, (508) 997-0046

John R. Bockstoce, Dartmouth, Massachusetts, (508) 999-4963

Eileen Anderson, land manager, Sitnasuak Native Corporation, Nome, Alaska, (907) 443-2632

Summary of Contacts

Judy Lund stated that she believed there was a fragment of a ship's bottom on display that John R. Bockstoce had donated. She referred inquiries to Bockstoce, who stated that Lund was mistaken and that all of the artifacts recovered under this permit were returned to the Sitnasuak Native Corporation Museum. Eileen Anderson stated, however, that the collections in their possession are from Permit No. 75-AK-049 (see the entry for the University of Pennsylvania Museum). She referred inquiries to the Brevig Native Corporation. Attempts to contact that institution before the close of Stage One were unsuccessful.

Status of Inquiry

No collection from this permit is being curated at the designated curation facility. Information gathered during this project indicates that the collection may be at the Brevig Native Corporation, the Bering Straits Native Corporation, or the University of Pennsylvania Museum. Permit files should be reviewed to determine if a permit was actually issued for Permit No. 76-AK-225 or if it was combined with Permit No. 76-AK-199 as Permit No. 76-AK-051.

Peabody Museum of Archaeology and Ethnology, Harvard University, Cambridge

Permit Issued June 16, 1967, Nevada; Permits Issued 1931, 1932, 1947, 1949, 1950, 1951 (2), 1952, 1953, 1954, 1957, New Mexico

Points of Contact

John Stubbs, Peabody Museum of Archaeology and Ethnology, Harvard University, (617) 496-3702

Amy Dansie, administrator of federal contracts, Nevada State Museum, Carson City, (702) 687-4811

Summary of Contacts

Information for the permit was conveyed to John Stubbs, who checked the records but was unable to locate references to collections from this permit. Because the Nevada State Museum is also listed as a curation facility on the permit, Amy Dansie was contacted. She stated that the collection is being curated at the Nevada State Museum and is being assessed as part of their agreement with the BLM.

Permit information regarding the collections from New Mexico was supplied by Frank Wozniak, the BLM's NAGPRA representative

for New Mexico. Stubbs was able to supply information about most of the collections.

Status of Inquiry

The collection from Nevada is curated at the Nevada State Museum and is being assessed as part of their agreement with the BLM. The collections associated with the permits issued for New Mexico are curated at the designated curation facility.

Michigan

Grand Valley State University, Allandale

Permit No. 75-NM-105

Points of Contact

Janet Brashler, curator, Grand Valley State University, (616) 895-3694

Christina Allen, project director, (505) 897-3431

Dick Chadwick, University of New Mexico Office of Contract Archaeology, Albuquerque, (505) 277-5853

Steve Townsend, Archaeological Records Management Service, Santa Fe, New Mexico, (505) 827-6343

Summary of Contacts

Janet Brashler was contacted concerning Permit No. 75-NM-105. A comprehensive inventory of the curation facility's collections had recently been completed, and no collections from New Mexico were noted. William M. Harrison, principal investigator, could not be contacted. Christina Allen, project director, could not clearly recall the project, but believed it was for the Santa Fe Railroad. She stated that, although sites were recorded, she did not believe that any collections were made. Allen had worked for the Office of Contract Archaeology, University of New Mexico. Dick Chadwick reviewed their files and found no record of the project.

Archaeological Records Management Service was contacted to determine if a Section 106 report had been filed for this project. Steve Townsend identified the project and mailed a copy of the report to the St. Louis District. The report verified that no collections were made (Harrison n.d.:C-21).

Status of Inquiry

No collection was made under this permit.

Museum of Anthropology, University of Michigan, Ann Arbor

Permits Issued October 31, 1966, January 6, 1967; and Permit Nos. 77-NM-037, 79-NM-104, 81-NM-199, and 83-NM-205

Points of Contact

John Speth, University of Michigan, Ann Arbor, (313) 764-0485

David Kennedy, curator, Museum of Anthropology, University of Michigan, Ann Arbor, (313) 764-0485, fax: (313) 763-7783

Lou Haecker, Archaeological Records Management Service, Santa Fe, New Mexico, (505) 827-6347

Frank De Mita, research assistant, Museum of Anthropology, University of Michigan, Ann Arbor, email: fdemita@umich.edu

Summary of Contacts

St. Louis District personnel contacted David Kennedy and John Speth before all of the permits for this curation facility were identified. As a result of that conversation, three publications relating to Permit No. 77-NM-037 were received that contain comprehensive artifact inventories. Lou Haecker was subsequently contacted regarding Permit No. 79-NM-104, which was issued for a site originally identified during the Permian–San Juan Pipeline Project. Information on the remaining permits was forwarded to Kennedy. The curation facility did not respond prior to completion of Stage One. However, Frank De Mita replied by email on December 3, 1996, with information regarding the remaining permits.

Status of Inquiry

Information and publications for Permit No. 77-NM-037 were received from the University of

Michigan. The remaining permits are being handled by the BLM, New Mexico.

Western Michigan University, Kalamazoo

Permit Issued June 18, 1969

Points of Contact

Elizabeth Garland, professor, Western Michigan University, (616) 387-3969

Michelle Taylor, NAGPRA coordinator, Onalaska Corporation, Unalaska, Alaska, (907) 581-1276

John Cook, archaeologist, BLM, Fairbanks, (907) 474-2359

Lydia Black, University of Alaska, Fairbanks, (907) 474-7288

Michael Lewis, NAGPRA coordinator, University of Alaska Museum, Fairbanks, (907) 474-6943

Summary of Contacts

Elizabeth Garland stated that both investigators are now deceased. The collections resulting from this permit were never accessioned and remained in the possession of Theodore Bank II, project director. Garland stated that, after Bank's death, a native group sued his estate for return of the artifacts that are now, she believed, on Unalaska Island. Michelle Taylor was contacted to determine if, in fact, the artifacts are on Unalaska Island. Her records indicate that none of the artifacts have been returned to the Onalaska Corporation.

Contact was subsequently made with John Cook, who suggested that we speak with Lydia Black. Black stated that Bank had committed suicide in the early 1980s and that most of his collections, specifically the University of Michigan collections, had been transferred to the University of Alaska Museum. When contacted, Michael Lewis stated that the Bank Collection was stored at the museum under a trust agreement with the Aleut Corporation. Under that agreement, no work has been done on the collection; the exact contents are unknown. Michael Nassaney, at Western Michigan University, was contacted. Finally, it must be noted that rumors reported by several individuals suggest that Bank's estranged wife took some artifacts from his estate after his death.

Status of Inquiry

The location of this collection is unknown. The University of Alaska Museum should be contacted to determine if the collection is part of the Bank Collection, which is housed at that institution.

Missouri

University of Missouri, Columbia

Permit No. 72-NV-030

Points of Contact

Molly O'Donnell, assistant curator, Museum of Anthropology, University of Missouri, Columbia, (314) 882-3764

W. Raymond Wood, professor, University of Missouri, Columbia, (314) 882-4362

Roberta McGonagle, archaeologist, BLM, Nevada, (702) 635-4000 (central switchboard)

Pat Barker, archaeologist, BLM, Nevada, (702) 785-6482

Summary of Contacts

Molly O'Donnell stated that the collections were not at the University of Missouri, Columbia. She spoke to W. Raymond Wood, who informed her that the collection was for Roberta McGonagle's dissertation and that she probably had taken the collections with her to Nevada. McGonagle was then contacted at the Battle Mountain, Nevada, BLM office and confirmed that the collections were made for her dissertation. She stated that they were now at the Nevada State Museum, and she referred the St. Louis District to Pat Barker, who confirmed this. In addition, he stated that the collections were being curated for the BLM by the Nevada State Museum.

Status of Inquiry

The collection is being processed for the BLM and curated at the Nevada State Museum.

Washington University, Department of Anthropology, St. Louis

Permit Issued 1971, New Mexico

Points of Contact

Patty Jo Watson, professor, Washington University, (314) 935-6346

Frank Wozniak, New Mexico NAGPRA coordinator, BLM, (505) 842-3238

Summary of Contacts

This permit was not in the original database supplied to the St. Louis District. Information about the permit was supplied by Frank Wozniak, NAGPRA coordinator for the New Mexico BLM. The permit was issued to Patty Jo Watson and Steven LeBlanc for a survey in T14S, R7–8, and T15S, R5–7W.

Status of Inquiry

The collection is held at the designated curation facility.

Nebraska

Chadron State College, Chadron

Permit Nos. 76-WY-260 (Originally 76-WY-811), 77-WY-028, and 78-WY/NE/KS-044

Points of Contact

Ted Davis, dean of Arts and Sciences, Chadron State College, (308) 432-6293

Larry Agenbroad, professor, Northern Arizona University, Flagstaff, (602) 523-3180

Ray Leicht, archaeologist, BLM, Wyoming, (307) 775-6119

Ranel Capon, archaeologist, BLM, Wyoming, (307) 775-6110

Ann Johnson, archaeologist, NPS, Colorado, (303) 969-2887

Summary of Contacts

Chadron State College does not have a museum or other official curation facility; we were referred to Dean Ted Davis. Neither of the principals listed on the permit, Edwin C. Nelson and Larry Agenbroad, are now with the college. Davis was unable to supply any information other than that at the present time, Agenbroad is at Northern Arizona University. St. Louis District personnel contacted Agenbroad, who recalled multiple projects in Wyoming during the period covered by the permit. He stated that he had filed reports with the BLM office in either Casper or Cheyenne and that he did not believe any collections were made during these projects. Agenbroad suggested contacting Ray Leicht of the BLM, Wyoming. Leicht informed St. Louis District personnel that his office had no reports prior to 1980. He then referred the St. Louis District to Ranel Capron, who handles permits for the Wyoming BLM office. Capron stated that she did not have any reports from 1978, but that they might be in storage and, therefore, inaccessible. She also stated that the NPS had handled the issuance of permits in the 1970s and that the reports may be at the NPS office. Agenbroad was contacted again for clarification regarding the recipient of his reports. He recalled that reports had been sent to Ann Johnson, now at the NPS office in Colorado. Johnson was contacted, but had no information regarding these permits.

Status of Inquiry

St. Louis District personnel were unable to determine the existence, location, or status of collections made under these permits. BLM personnel in Wyoming may be able to track the collections by reviewing the records of the State Historic Preservation Office.

University of Nebraska, Lincoln

Permits Issued 1937 and 1938, New Mexico

Points of Contact

Tom Meyers, Department of Anthropology, University of Nebraska, Lincoln, (402) 472-5044

Frank Wozniak, NAGPRA consultant, BLM, New Mexico, (505) 842-3238

Summary of Contacts

Information regarding these collections was not included in the databases originally supplied to the St. Louis District. Wozniak supplied the information after consultations with the BLM's Office of the National Curator, Washington, D.C. Dr. Tom Meyers was contacted regarding these collections, and provided information regarding the collections.

Status of Inquiry

This inquiry has been completed; the collections made under these permits are curated at the designated curation facility.

New Hampshire

Dartmouth College, Hanover

Permits Issued August 14, 1962, and May 26, 1967

Points of Contact

Ken Cramer, librarian, Baker Library Special Collections, (603) 646-2037

Phillip Cronenwett, chief of special collections, Dartmouth College library, (603) 646-2037

John Cook, archeologist, BLM, Fairbanks, (907) 474-2359

Summary of Contacts

Inquiries to Dartmouth's Department of Anthropology were directed to Ken Cramer, who indicated that Robert A. McKennan is deceased and his papers are housed in the special-collections library. Cramer stated that Phillip Cronenwett would review McKennan's papers and contact the Hood Museum of Art, Dartmouth College, regarding any artifacts that McKennan may have donated to that museum. The St. Louis District subsequently received copies of the papers relating to these projects and a list of artifacts donated to the museum after the 1962 project. Review of the papers suggests that other artifacts might be at the Canadian Museum of Civilization, Ottawa. John Cook stated that, in fact, the materials collected during the first year of work at Healy Lake (1962) are curated at the Canadian Museum of Civilization, but that the remaining material was in his office.

Status of Inquiry

Some ethnographic materials are curated at the designated curation facility. The Canadian Museum of Civilization should be contacted to determine what additional materials are at that facility. The collection from the 1967 permit is at the office of the BLM's John Cook.

New York

American Museum of Natural History, New York

Permit Issued 1921, Colorado; Permit Issued July 9, 1940, renewed April 11, 1941; and Permit No. 77-NV-047, Alaska

Points of Contact

Martha Graham, director, Cultural Resources Office, AMNH, (212) 769-5846, fax: (212) 769-5334

Jamie Arbolino, research assistant, AMNH, (212) 769-5866

Summary of Contacts

Martha Graham was contacted concerning the permits for Alaska and Nevada and was provided with all available information. She stated that she would research the permits. Jamie Arbolino subsequently called the St. Louis District office requesting information on the permits and informed us that he would be the point of contact for specifics regarding the collections.

Arbolino was contacted in December 1994, at which time he stated that the work had been completed and would be forwarded to the St. Louis District office upon Graham's approval. The response was received on January 31, 1995. The information on the Colorado permit was supplied by Frank Wozniak, conducting NAGPRA inquiries for the New Mexico BLM. In May 1996, arrangements were made to conduct inventories at the museum for the 1940 permit. The inventories were completed in September 1996. Insufficient time was available to complete the inventory for the Colorado collection.

Status of Inquiry

The collections made under these permits are at the designated curation facility. The inventory of human skeletal remains and artifacts for the 1940 Alaskan permit (Point Hope Collection) is included in Appendix 4. The 1921 Colorado collection (La Plata Collection) was inventoried by the curation facility following the completion of St. Louis District fieldwork.

Columbia University, New York

Permits Issued 1953 (Big Bead Mesa and El Morro), and Permit No. 77-NM-082, New Mexico

Points of Contact

Terence D'Altroy, professor, Anthropology Department, Columbia University, (212) 854-2131

Jim Hill, professor, University of California, Los Angeles, (310) 825-3222

Glenn Russell, curator, Fowler Museum of Cultural History, University of California, Los Angeles, (310) 825-1864

Summary of Contacts

Terence D'Altroy stated that, as of 1984, Columbia was curating collections made by Frank Findlow and Susan De Atley, principal investigators. He was unsure whether the collections were still present because an attempt had been made to return the collections to Findlow and De Atley. D'Altroy requested that the permit information and an explicit request for information be mailed to the curation facility. The St. Louis District forwarded the requested information. However, because of confusion over the appropriate recipient, D'Altroy never received the letter. D'Altroy was subsequently contacted and suggested contacting Rainier Berger (De Atley's advisor), Jim Hill, or Suzanne De Atley at the University of California, Los Angeles. Attempts to reach Berger failed, and De Atley is not affiliated with the University of California, Los Angeles. Hill suggested contacting Glenn Russell, who reviewed his files, but could find no record of the collection at the Fowler Museum. Further efforts to locate Suzanne De Atley were unsuccessful. Frank Wozniak, conducting NAGPRA inquiries for the New Mexico BLM, independently contacted the Fowler Museum. At that time, Russell indicated that he had located human skeletal remains from the permitted activity. Wozniak assumed responsibility for completing further inquiries about this collection.

Status of Inquiry

Human skeletal remains from the permitted activity are curated at the Fowler Museum. The location of artifacts from the collection is unknown at the time of this report. Wozniak, conducting inquiries for the New Mexico BLM, has assumed responsibility for completing the NAGPRA inquiries.

New York University, New York

Permit Nos. 76-CA-073, 78-CA-084, and 79-CA-124

Points of Contact

Terry Harrison, associate professor, New York University, (212) 998-8581

Robert Bettinger, professor, University of California, Davis, (916) 752-0745

Lisa Deitz, curator, University of California, Davis, (916) 757-0745

Bill Olsen, archaeologist, BLM, California, (916) 978-4730

Summary of Contacts

Terry Harrison stated that the collections were not present at New York University, and referred

further communications to Robert Bettinger. Bettinger stated that the collections were at the University of California, Davis, and directed further inquiries to Lisa Deitz. Deitz also stated that the collections were at the curation facility and that she had supplied a catalog to Bill Olsen, who confirmed this.

Status of Inquiry

The collections made under these permits are curated at the University of California, Davis, and are being monitored by BLM personnel in California.

SUNY, Binghamton

Permit Issued January 26, 1968, and Permit Nos. 69-UT-173, 70-UT-048, and 70-UT-049, Utah

Points of Contact

Nina Versaggi, collections manager, SUNY, Binghamton, (607) 777-4786

William D. Lipe, Washington State University, Pullman, (509) 335-3441, ext. 2100, fax: (509) 335-3199

Summary of Contacts

Nina Versaggi was contacted concerning the permits listed below, and stated that the collections were no longer at the institution. Versaggi suggested that William D. Lipe, project director, may have taken the collections with him to Washington State, where he is currently employed. Lipe stated that he was prepared to supply information and copies of records, but that he would require reimbursement for copying. The IPS printouts and the questionnaire were faxed to his office. Lipe examined the questionnaire and stated that he was unable to attend to this task immediately. He may be seeking funding to process the collection.

Status of Inquiry

The collection is stored at Washington State. Monitoring of these collections has been assumed by BLM officials in Utah.

SUNY, Brockport

Permit Nos. 74-AK-023 and 74-AK-026

Points of Contact

Margaret Blackman, professor, SUNY, Brockport, (716) 637-2931, fax: (716) 395-2684

Mary Ann Cady, assistant to Edwin S. Hall, SUNY, Brockport, fax: (716) 395-2684

Summary of Contacts

St. Louis District personnel contacted the anthropology department, SUNY, Brockport, concerning Permit No. 74-AK-023 and were referred to Margaret Blackman. The principal investigator, Edwin S. Hall, Jr., is presently incapacitated. However, Blackman, his wife, is also on the faculty. St. Louis District personnel faxed the permit data to her. Blackman subsequently contacted us and stated that a lack of storage space had required moving the collections to the second story of a barn at the Hall-Blackman residence. Mary Ann Cady, who was employed by Hall to organize his collections, supplied documentation on the collection.

Status of Inquiry

The collections made under these permits are stored at the residence of Edwin S. Hall, and are currently being inventoried. According to Hall, these collections contain no items subject to NAGPRA. Arrangements should be made to curate the collections at an appropriate curation facility when the inventory is completed. In addition to the known permits, Hall possesses materials from BLM lands that were collected in 1967. The information provided indicates that the materials were derived from a permit issued on April 18, 1967, which designated the Smithsonian Institution as the curation facility.

North Carolina

North Carolina Museum of History, Greenville; Fort Fisher, Raleigh

Permit No. 75-NC-093

Points of Contact

Mark Wilde-Ramsing, North Carolina Department of Cultural Resources, Fort Fisher, (910) 458-9042

Diana Hill, National Marine Monitor Sanctuary Education Office, Fort Eustis, Virginia, (804) 599-3122

Gordon Watts, professor, maritime history, East Carolina University, (919) 975-6659

Summary of Contacts

Permit No. 75-NC-093 was issued for underwater investigations; therefore, personnel at the Office of the Underwater Division, North Carolina Department of Cultural Resources, Fort Fisher, were contacted. Mark Wilde-Ramsing referred the St. Louis District to Gordon Watts, principal investigator, and Diana Hill, his former assistant, for further information. Watts was in Bermuda until October 5, 1994; therefore, Hill was contacted. She reported that a review of her personal files indicated that the project never occurred. A cooperative effort between the underwater division and Duke University, for which the permit was intended, never took place because of scheduling conflicts. Upon his return the United States, Watts was contacted; he stated that the permit was intended for a survey of the vessel *Peterhof.* The project, however, was canceled due to the scheduling conflicts Hill had mentioned.

Status of Inquiry

No archaeological activities occurred under this permit; therefore, no collections were made.

Oklahoma

Museum of the Red River, Idabel

Permit No. 77-OK-265 (Originally 77-OK-800)

Points of Contact

Mary Herron, curator, Museum of the Red River, (405) 286-3616

Jack Bennett, Archaeological Assessments, Inc., Nashville, Arkansas, (501) 845-4348

Summary of Contacts

Mary Herron checked the records of the museum, but could not locate references to the permit. She provided the telephone number for Jack Bennett, one of the principal investigators, and now the owner of Archeological Assessments, Inc. Bennett stated that a permit application was submitted in anticipation of conducting investigations on BLM properties, but that none of these projects was conducted.

Status of Inquiry

No collections were made under this permit, and it is uncertain whether a permit was ever actually issued.

Oklahoma Museum of Natural History–Stovall Museum; Earth Sciences Observatory, University of Oklahoma, Norman

Permit Nos. 72-NM-029, 73-NM-028, 78-OK-287 (Originally 78-OK-607), 79-OK-076, and 79-OK-330 (Originally 79-OK-685)

Points of Contact

Robert Brooks, state archeologist, Oklahoma (405) 325-7211

Julie Droke, collections manager, Oklahoma Museum of Natural History, (405) 325-4712

Dan Wolfman (deceased), formerly with the Museum of New Mexico, Santa Fe

Marcia Tate, Powers Elevation Co., Inc., Denver, Colorado, (303) 321-2217

Jeff Cox, lab supervisor, Museum of New Mexico, Santa Fe, (505) 827-6343, fax: (505) 827-7308

Summary of Contacts

Robert Brooks was contacted to assist in identifying projects for which the University of Oklahoma and related institutions were the designated curation facilities. Brooks was familiar with Permit Nos. 78-OK-287 and 79-OK-076. He stated that the collections from these projects are being curated at the Oklahoma Museum of Natural History. Julie Droke was contacted and given the permit information and the information supplied by Brooks. Brooks vaguely recalled the company (Powers Elevation Co., Inc.) conducting work under Permit No. 79-OK-330, but could find no record of their activities. Marcia Tate of Powers Elevation Co., Inc., stated that no work was done in Oklahoma. Brooks identified Permit Nos. 72-NM-029 and 73-NM-028 as relating to archaeomagnetic-dating samples stored in Robert DuBois's laboratory. DuBois, formerly with Earth Sciences Observatory, is now retired. A message was left at his residence, but he did not respond. Brooks also suggested speaking to Dan Wolfman, Museum of New Mexico, or Jeff Eighmy, one of the principal investigators. Wolfman was contacted and agreed to locate any information available on the samples produced under the permits, but died before locating any further information. His colleague, Jeff Cox, agreed to continue looking for information on the samples; however, no information was received prior to the close of Stage One. Information regarding the New Mexico permits was subsequently forwarded to Frank Wozniak, conducting NAGPRA inquiries for the New Mexico BLM office.

Status of Inquiry

The status of these collections remains unknown. Information supplied for Permit No. 79-OK-076 is inconsistent with the known permit information. Records at the curation facility should be reviewed to determine if any collection exists for this permit. Cox should be contacted again regarding the two permits for archaeomagnetic samples from New Mexico.

Pennsylvania

Commercial Museum, Philadelphia

Permit Issued 1915, New Mexico

Points of Contact

Civic Center Museum, Philadelphia, Pennsylvania, (215) 823-5600

Frank Wozniak, New Mexico NAGPRA coordinator, BLM, (505) 842-3238

Summary of Contacts

This permit was not in the original database supplied to the St. Louis District. Information about the permit was supplied by Frank Wozniak, NAGPRA consultant for the New Mexico BLM, who stated that the Civic Center Museum is the successor to the Commercial Museum. All attempts to contact the former were unsuccessful.

Status of Inquiry

The Commercial Museum is no longer extant. Its successor, the Civic Center Museum, could not be contacted.

University of Pennsylvania Museum, Philadelphia

Permit Nos. 69-AK-132, 69-AK-134, 70-AK-030, 70-AK-031, 71-AK-022, 71-AK-027, 72-AK-047, 75-AK-049, 76-AK-051, 76-AK-199 (Originally 76-AK-598), 76-AK-225 (Originally 76-AK-599), and 77-AK-064

Points of Contact

Rebecca Buck, curator, University of Pennsylvania Museum, (215) 898-7900

Lucy Williams, keeper of American collections, University of Pennsylvania Museum, (215) 898-4048

Eileen Anderson, land manager, Sitnasauk Native Corporation, Nome, Alaska, (907) 443-2632

Summary of Contacts

When contacted, Rebecca Buck asked that a written request for information be submitted. A printout of the permit data was submitted to her office. Williams provided completed questionnaires for three of the collections; however, the remaining collections do not appear to be curated at this facility. Eileen Anderson was contacted for confirmation that collections from Permit No. 76-AK-051 had been deposited at the Sitnasauk Native Corporation (see the entry for the Old Dartmouth Historical Society Whaling Museum) and to determine if any other collections from the University of Pennsylvania Museum had been deposited with her organization. Anderson stated that a portion of the collection from Permit No. 75-AK-049 was stored at the Sitnasauk Native Corporation offices.

Status of Inquiry

Only three of 12 collections made under these permits were identified. Of these, one collection may have been made under either Permit No. 71-AK-022 or 71-AK-027. John R. Bockstoce stated that all of the collections should be at the University of Pennsylvania; however, officials with that institution could not identify any corresponding collections. The permit files should be reviewed to determine if a permit was actually issued with the number 76-AK-225 or whether it was combined with number 76-AK-199 as Permit No. 76-AK-051.

Rhode Island

Haffenreffer Museum of Anthropology, Brown University, Bristol

Permits Issued March 30, 1963, April 20, 1964, May 26, 1964, April 28, 1965, and Permit Nos. 69-AK-128, 71-AK-023, 71-AK-054, and 73-AK-058, Alaska

Points of Contact

Thierry Gentis, assistant curator, Haffenreffer, (401) 253-8388

Douglas Anderson, professor, Brown University, (401) 863-3251, fax: ext.7588

Summary of Contacts

Thierry Gentis referred the St. Louis District to Douglas Anderson for information regarding these permits. Anderson requested copies of the IPS database printouts and the questionnaire for completion. In addition, he stated that other permits apparently not in the IPS had been issued in 1965 to Clifford Hickey for work in the Kobuk River area and to himself for work on the Upper Noatak River. Anderson stated that, although the Haffenreffer is the designated curation facility for Hickey's collection, it is currently at the University of Calgary, Alberta, Canada.

After contacting Anderson, four additional permits were identified that designate the Haffenreffer as a curation facility, including the 1965 permit he mentioned. Information on these permits was faxed to Anderson. Arrangements were made with Gentis to conduct inventories of the collections. The inventories were completed in June 1996.

Status of Inquiry

The collections are curated at the designated repository. The Section 5 and Section 6 NAGPRA inventories are in Appendix 5.

Texas

Galveston Historical Foundation, Galveston

Permit No. 76-TX-255 (Originally 76-TX-653)

Point of Contact

Betty Massey, curator, Galveston Historical Foundation, (409) 765-7834

Summary of Contacts

Betty Massey was contacted and provided information on the permit issued to the institution. She subsequently contacted the principals named in the permit and provided the information in the permits summary.

Status of Inquiry

No collection was made under this permit.

Southern Methodist University, Dallas

Permit No. 77-NM-051

Points of Contact

Sue Linder-Lindsley, collections manager, Southern Methodist University, (214) 768-2938

Signa Larralde, BOR, Salt Lake City, (801) 524-6292

Fran Levine, status unknown, home phone number withheld

Summary of Contacts

Sue Linder-Lindsley stated that Southern Methodist University has three collections from New Mexico, all of which are currently being prepared for either repatriation or transfer to government agencies. She could not ascertain which collection was made under this permit. Two of the collections, one from Brantley Reservoir and one from Los Histeros, fit the general time frame covered by the permit. Linder-Lindsley referred us to Signa Larralde, BOR, Salt Lake City, for further information.

Larralde contacted the principal investigator of the Brantley Reservoir Project, Joseph G. Gallagher (designated as the project director on the permit), who informed her that he did not believe that the permit was for the Brantley Reservoir Project, but that it was for the Los Histeros Project. Gallagher referred questions to Fran Levine, who had taken part in both projects. Levine stated that the Los Histeros Project had taken place on private land, and that the permit was for the Brantley Reservoir Project. She also stated that the project was on BOR land.

Status of Inquiry

The collection is being rehabilitated at Southern Methodist University for transfer to the Museum of New Mexico, Laboratory of Anthropology. The rehabilitation is being funded by the BOR.

Southwestern Historical Wax Museum, Dallas

Permit No. 70-NM-025

Point of Contact

Robert Bieberman, New Mexico Mining Institute, Socorro, (505) 835-5420

Summary of Contacts

During the initial stages of this project, when addresses and telephone numbers were being collected for the repositories, Dallas directory assistance had no listing for the Southwestern Historical Wax Museum. St. Louis District personnel contacted other Dallas-area museums to determine if the name had been changed or the curation facility had closed. It was learned that the Southwestern Historical Wax Museum had burned down in the mid-1980s. Subsequently, Bieberman, one of the principal investigators, was contacted and provided information regarding the permitted project and results.

Status of Inquiry

The repository burned down in the 1980s. No collection could be identified.

Texas Tech Museum, Lubbock

Permits Nos. 75-NM-070 and 76-NM-099

Points of Contact

Nicki Ladkin, curator, Texas Tech Museum, (806) 742-2479

Jane H. Kelley, principal investigator, University of Alberta, Calgary, Canada, (403) 220-5227

Alston Thom, professor, Texas Tech University, (409) 845-4044

Pat Nietfeld, curator, Laboratory of Anthropology, Museum of New Mexico, (505) 827-6344

Lou Haecker, Archaeological Records Management Service, Santa Fe, New Mexico, (505) 827-6347

Summary of Contacts

Nicki Ladkin informed the St. Louis District that the collections were not at the Texas Tech

Museum and referred us to Jane H. Kelley and Alston Thom, the project directors. Kelley stated that she was in possession of the collection derived from Permit No. 75-NM-070 and was preparing it for curation at the Museum of New Mexico. Thom provided background information, which enabled Pat Nietfeld and Lou Haecker to identify the collection. They subsequently provided the information for Permit No. 76-NM-099.

Status of Inquiry

Neither of the two collections made under these permits are at the designated curation facility. The collection made under Permit No. 75-NM-070 is presently at the University of Alberta and is being prepared for transfer to the Museum of New Mexico. The collection made under Permit No. 76-NM-099 has already been transferred to the control of BLM officials, who deposited the collection at the Museum of New Mexico.

El Paso Centennial Museum, University of Texas

Permit No. 77-AZ-002

Point of Contact

Scott Cutler, collections manager, El Paso Centennial Museum, (915) 747-5565

Summary of Contacts

Scott Cutler was contacted but unable to identify any collections associated with this permit. Upon attempting to contact Rex Gerald, St. Louis District personnel learned that he was deceased. No further information was obtained.

Status of Inquiry

The existence of any collections related to this permit could not be determined. To identify any such collections, site files and reports in the State Historic Preservation Offices of Texas, New Mexico, and Arizona must be reviewed.

Wisconsin

University of Wisconsin, Madison

Permits Issued March 26, 1964, and May 22, 1968, Alaska

Points of Contact

John Stoltman, University of Wisconsin, Madison, (608) 262-2574

Donald W. Clark, Archaeological Survey of Canada, Ottawa, (819) 776-8179

Doug Reger, Office of History and Archaeology, Anchorage, Alaska, (907) 762-2622

Joan Townsend, professor, University of Manitoba, (204) 474-6328, email: townsnd@ccm.umanitoba.ca

Summary of Contacts

John Stoltman stated that there were no collections from these permits at his institution, and suggested contacting Donald W. Clark, Canadian Museum of Civilization, Archaeological Survey of Canada. Clark stated that the material from the 1968 permit is at the Canadian Museum of Civilization, Ottawa, and provided information on the collection. He also stated that the 1964 material had been sent to the University of Alaska, Anchorage, and he suggested that we contact Doug Reger. Reger stated that the collection was not at the University of Alaska, Anchorage, and suggested contacting the University of Alaska, Fairbanks, or native corporations to determine if the collections had been repatriated. Reger also stated that we should contact Joan Townsend, former wife of the project director of the 1964 permitted project. Townsend supplied information regarding that project.

Status of Inquiry

It is uncertain whether a collection was made under the 1964 permit. The collection made under the 1968 permit is now curated at the Canadian Museum of Civilization.

University of Wisconsin, Stevens Point

Permit No. 79-AZ-297 (Originally 79-AZ-680)

Points of Contact

John Moore, director, Regional Archeology Center, University of Wisconsin, Stevens Point, (715) 346-3752

David J. Dechambre, Northland Research, Inc., Flagstaff, Arizona, (520) 774-5057

Summary of Contacts

John Moore was familiar with the individuals listed on the permit, and stated that the University of Wisconsin did have collections from Arizona that were generated by the CRM firm listed as the permittee. He was uncertain, however, if the collections were generated from this permitted activity. Moore stated that he would contact the permittee for more information. Subsequently, David J. Dechambre, one of the project directors, informed the St. Louis District that only noncollecting, nondisturbing surveys were conducted under the permit.

Status of Inquiry

No collection was made under this permit.

APPENDIX 4

Inventory of NAGPRA Materials at the American Museum of Natural History

Point Hope is located in northwestern Alaska (Figure 5). The collection resulted from excavations near the modern village of Tigara, to the north of the village, and to the east of the village at Jabbertown (Figure 6). The excavations took place in 1939, 1940, and 1941. No burials were excavated in the 1939 field season. Sixty-five burials were excavated in 1940, and 506 burials were excavated in 1941. All of the human skeletal remains were sent to the AMNH (Larsen and Rainey 1948:17). The materials excavated were divided between the University of Alaska Museum and the AMNH. A collection of artifacts shipped to Denmark from the University of Alaska Museum did not arrive because of shipping irregularities resulting from World War II (Rainey 1941:365). The status of these artifacts has not been ascertained. However, Douglas Anderson has stated that he analyzed artifacts from Point Hope at the Danish National Museum during 1962–1963 (Giddings and Anderson 1986:12).

The collection at the AMNH is curated under three accession numbers: 1940-85, 1941-49, and 1945-58. Human skeletal remains are cataloged with a 99.1 prefix, and are only accessioned under 1940-85 (99.1/59–99.1/113) and 1941-49 (99.1/160–99.1/684). Artifacts are cataloged with a 60.1 or 60.2 prefix; the latter prefix is used for those artifacts accessioned in 1945. The 1945 accession date does not refer to the date of excavation. World War II interrupted the analysis and cataloging of artifacts, a process that was not completed until 1945.

The human skeletal remains and artifacts excavated at Point Hope span a long period of time. The materials identified by Larsen and Rainey as "Near-Ipiutak" are now attributed to the Norton period (600 B.C.–A.D. 1). The Ipiutak period at Point Hope has been radiocarbon dated to A.D. 1–500 and is represented at Point Hope in numerous burials northeast of Tigara. The Near-Ipiutak/Norton and Ipiutak periods are grouped into the Arctic Small Tool tradition, and the remaining periods (Birnirk, Western Thule, and Tigara) are grouped as the Arctic Whale Hunting, or Northern Maritime, tradition. The Birnirk period (A.D. 450–950) is represented at Point Hope by Burials 160, 171, and 172, excavated at Tigara. The next phase of the Arctic Whale Hunting culture, Western Thule (ca. A.D. 950–1400), was represented in two burials: 186 and 253. Materials relating to the most prevalent cultural presence at Point Hope were deemed to belong to a taxonomic unit termed the Tigara period, which was represented by 349 burials at Tigara (Larsen and Rainey 1948:175). However, the Tigara period has been deleted from more recent culture sequences (e.g., Rainey 1971:Figure 21). Essentially, the Tigara burials represent protohistoric–historical-period Eskimo whale hunters.

The cultural affiliation of the human skeletal remains, exclusive of the Ipiutak phase, appears to be firmly tied to modern Eskimos (Rainey 1971:31–32). The Ipiutak phase is anomalous, in that this group appears to have been composed of caribou hunters (rather than whale hunters) from the interior who summered at Point Hope. Rainey (1971:31–32) states that most Arctic archaeologists would place the Ipiutak among Eskimo ancestors. However, he also suggests that the Ipiutak could be related to any of four linguistic groups, particularly the Athapaskan-speaking peoples, referring to a pattern of alternating occupations of Eskimos and Athapaskans at the Onion Portage site (see Appendix 5). This suggestion is based in part

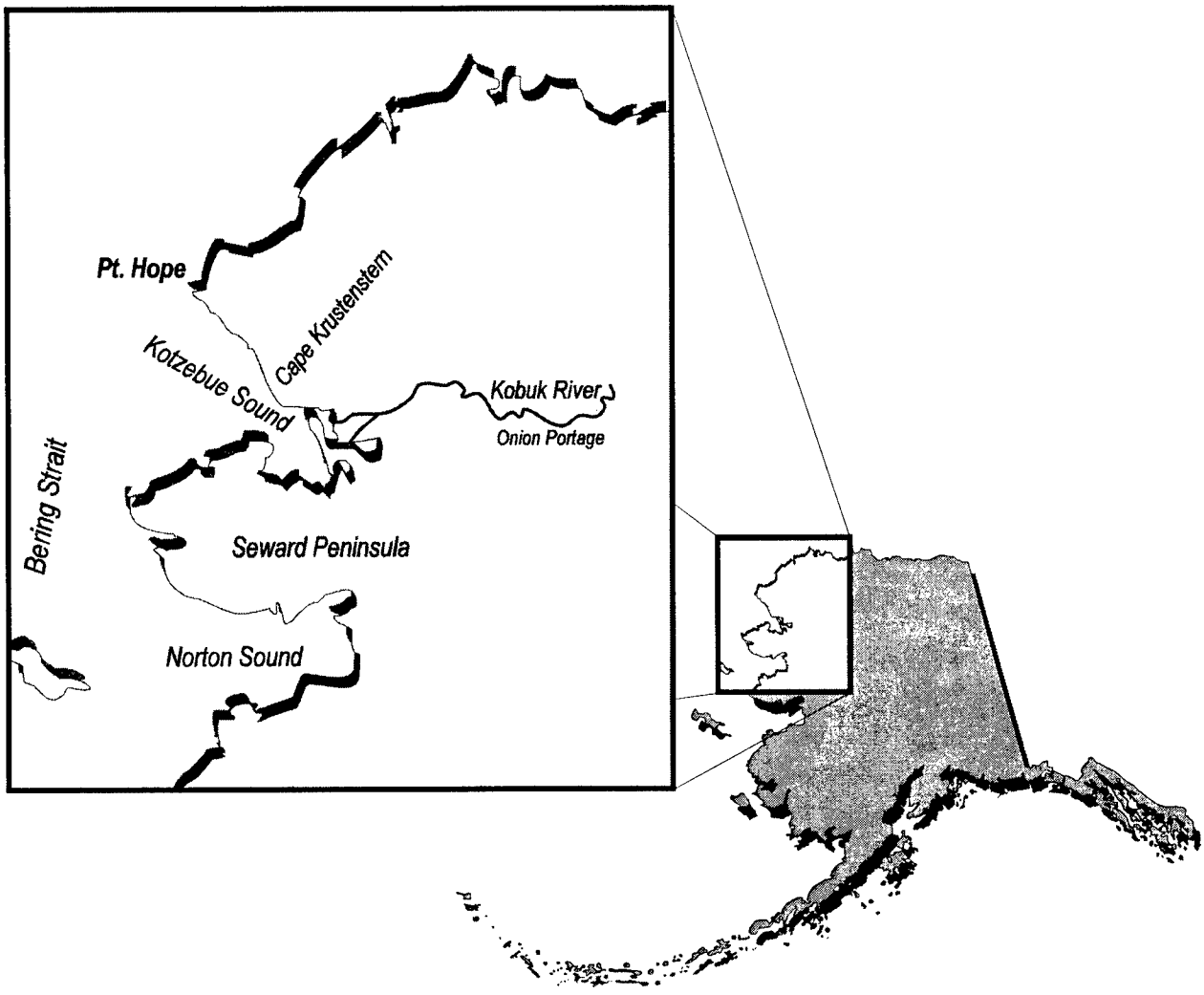

Figure 5. Northwest coast of Alaska indicating locations of sites.

on the opinion of George Debetz (1960) that the skeletal morphology differs from Classic Eskimo, and on the anomalous material culture of the Ipiutak (Rainey 1971:31). However, Giddings and Anderson (1986:115) believe that the Ipiutak represent an older form of Eskimo culture, although it is discontinuous in terms of technology with subsequent cultures.

The remainder of this appendix comprises an inventory of the human skeletal remains and the associated and unassociated funerary objects from the Point Hope Collection at the AMNH. The remains are organized by accession number and catalog number. Because the cranial and postcranial human skeletal remains from Point Hope are stored in separate areas, individual catalog numbers are subdivided into descriptions of the remains in the Room 12 Mezzanine area (predominantly postcranial) and the Room 17 Mezzanine area (predominantly cranial). In the case of catalog numbers that subsume the remains of more than one individual, each individual is described separately. Commingled remains are described as a group, preceded by an estimate of the minimum number of individuals. Age at death and sex are noted for each individual when possible. Associated funerary objects are presented in tabular format following the human skeletal remains summaries for each burial. All citations of numbered "Plates," "Figures," and "Objects" in the tables refer to illustrations in Larsen and Rainey (1948).

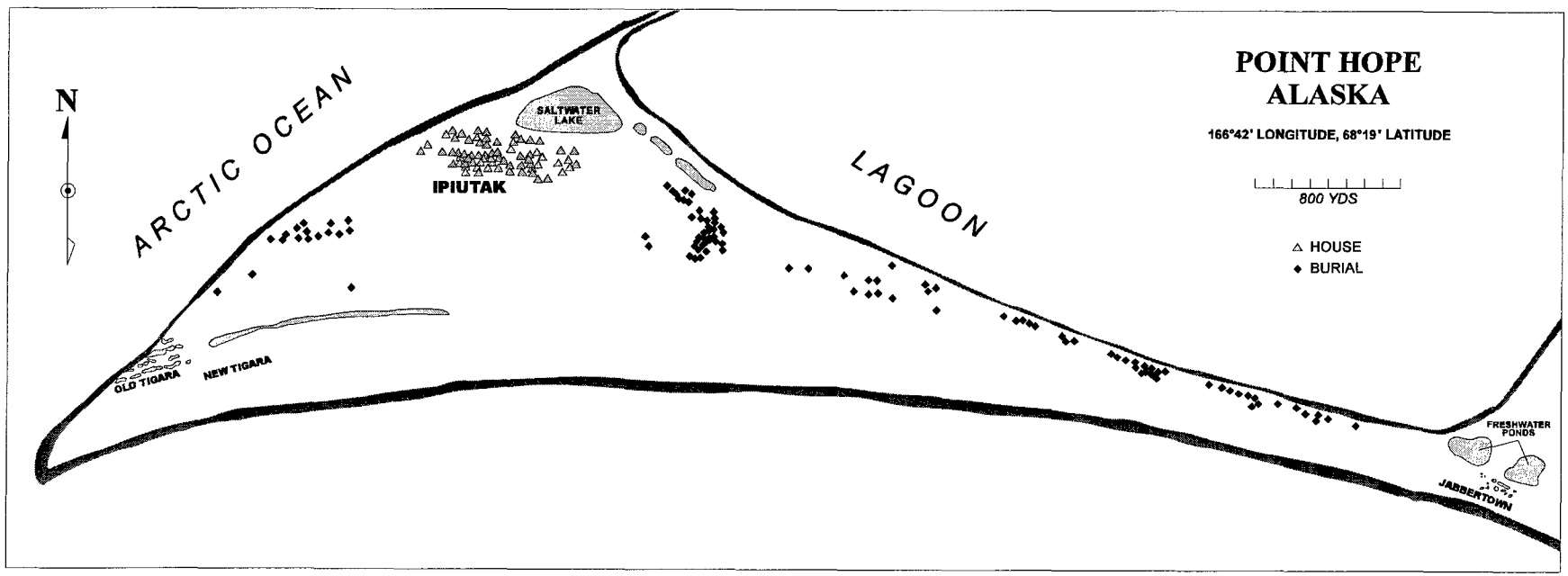

Figure 6. Point Hope, Alaska, showing position of village and burial locations (after Larsen and Rainey 1948:Figure 2).

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Accession No. 1940-85

Catalog No. 99.1/59, Burial No. 1 (Norton Period) (Table 12)

Room 12 Mezzanine

•Commingled remains of at least 3 adults: 1 probable female, 2 sex undetermined
Incomplete cranium; 30 vertebrae; ribs/rib fragments; 3 incomplete left and 1 incomplete right scapulae; 1 incomplete right and 2 incomplete left clavicles; 1 incomplete left and 2 incomplete right humeri; 2 incomplete left and 2 incomplete right ulnae; 2 incomplete left and 1 incomplete right radii; incomplete left and incomplete, unsided innominates; 3 incomplete left and 2 incomplete right femurs; 1 complete left, and 1 complete and 1 incomplete right patellae; 2 complete left and 2 complete right tibiae; 1 complete and 1 incomplete left, and 2 complete and 1 incomplete right fibulae; 14 tarsals; 3 metatarsals; 15 phalanges.

•Subadult, sex undetermined
Incomplete cranium; incomplete mandible; 9 intact and 5 loose teeth; 1 vertebra; ribs/rib fragments; incomplete left and right scapulae; 1 incomplete left clavicle; incomplete left and right ulnae; 1 incomplete left innominate; incomplete left and right femurs; incomplete left and right tibiae; 1 incomplete, unsided fibula.

•Infant, sex undetermined
Incomplete cranium

Comments: The infant's cranial bones are commingled with the subadult.

Room 17 Mezzanine

•Adult, female
Complete cranial vault; complete cranial base; incomplete facial bones; complete mandible; 3 loose teeth.

Table 12.
Associated Funerary Objects from Burial 1, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7221	ground stone	2 whetstones (Plate 81, Object 12)	complete
60.1/7223	chipped stone	4 used flakes, gray & dark red chert (Plate 81, Object 6)	incomplete

Catalog No.	Material Class	Description	Condition
60.1/7224	chipped stone	2 convex flint scrapers, cataloged as 7224a & 7224b (Plate 81, Objects 5 & 8)	complete
60.1/7225	chipped stone	1 beaked scraper (Plate 81, Object 11)	complete
60.1/7228	chipped stone	14 pentagonal scrapers (Plate 80, Objects 8–10, 12)	complete
60.1/7229	chipped stone	2 straight-based lance points, 1 missing (Plate 80, Object 25)	incomplete
60.1/7230	chipped stone	3 blade fragments, flint	incomplete
60.1/7231	chipped stone	1 pentagonal blade, chert (Plate 81, Object 3)	complete
60.1/7233	modified faunal remains	"Mattock" (Plate 79, Object 5)	complete
60.1/7234	modified faunal remains	1 mattock, ivory (Plate 79, Object 4)	complete
60.1/7236	modified faunal remains	2 socketed arrowheads	complete
60.1/7237	modified faunal remains	1 arrowhead clip base	complete
60.1/7238	modified faunal remains	4 arrowheads, for ring base	incomplete
60.1/7239	modified faunal remains	2 arrowhead fragments (1 missing)	incomplete
60.1/7241	modified faunal remains	4 unidentified fragments	incomplete

Catalog No. 99.1/59B, Burial No. 1a (Norton Period) (Table 13)

Room 17 Mezzanine

•Adult, probable female

Incomplete cranial vault; 3 intact teeth.

Table 13.
Associated Funerary Objects from Burial 1a, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7222	chipped stone	6 raw chert flakes	incomplete
60.1/7226	chipped stone	10 straight-based arrow points, 1 missing (Plate 80, Object 24)	incomplete
60.1/7227	chipped stone	3 arrow-point fragments	incomplete
60.1/7232	chipped stone	3 small flint side blades (Plate 80, Objects 27–29)	incomplete
60.1/7235	modified faunal remains	1 harpoon head (Plate 78, Object 2)	incomplete
60.1/7240	modified faunal remains	knife handle, composite type (Plate 81, Object 15)	complete
60.1/7242	chipped stone	chert end blade inset	complete
60.1/7243	modified faunal remains	arrowhead slotted both ends	complete
60.1/7244	modified faunal remains	arrowhead fragment	incomplete
60.1/7245	modified faunal remains	arrowhead, ring base, lot of 5, bulb1 end, slot in other, ring missing (Plate 78, Objects 8–9)	complete
60.1/7246	modified faunal remains	1 diamond-shaped breast ornament, found on sternum of child's skeleton; Nos. 7242–7245 found along knees of same child (Plate 81, Object 23)	complete

Catalog No. 99.1/60, Burial No. 3 (Norton Period) (Table 14)

Room 12 Mezzanine

•Adult, sex undetermined

1 rib; complete left and right tibiae; complete left and right fibulae; 13 tarsals; 8 metatarsals; 10 phalanges.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; complete facial bones; 4 intact and 4 loose teeth.

Table 14.
Associated Funerary Objects from Burial 3, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7255	ground stone	3 whetstones (1 missing)	incomplete
60.1/7256	chipped stone	6 raw flakes, flint	incomplete
60.1/7257	chipped stone	4 used flakes	incomplete
60.1/7258	chipped stone	1 concave-convex scraper (Plate 81, Object 9)	complete
60.1/7259	chipped stone	1 concave-convex scraper (Plate 81, Object 7)	complete
60.1/7260	chipped stone	7 pentagonal projectile points (Plate 80, Object 11)	complete
60.1/7261	chipped stone	3 flint arrow or lance points	incomplete
60.1/7262	chipped stone	16 projectile points, 6 missing (Plate 80, Objects 15–17 & 20–22)	incomplete
60.1/7263	chipped stone	1 lance point, flint	complete
60.1/7264	chipped stone	3 large side blades, flint (Plate 80, Objects 30–31, & Plate 81, Object 1)	complete
60.1/7265	chipped stone	15 blade fragments	incomplete
60.1/7266	chipped stone	1 modern flint projectile point (intrusive)	complete
60.1/7267	modified faunal remains	1 arrowhead, clipped base, 1 missing (Plate 78, Object 12)	incomplete
60.1/7268	chipped stone	1 incised harpoon head (Plate 78, Object 1)	complete
60.1/7269	modified faunal remains	1 spear barb (Plate 78, Object 23)	complete
60.1/7270	modified faunal remains	3 fragments, bone/ivory	incomplete
60.1/7271	modified faunal remains	1 unidentified implement, bone (Plate 79, Object 7)	complete

Catalog No. 99.1/61, Burial No. 4 (Norton Period) (Table 15)

Room 12 Mezzanine

•Adult, sex undetermined

Rib fragments; 6 vertebrae; incomplete right scapula; complete right clavicle; complete right humerus; complete right ulna; complete right radius; 3 carpals; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 12 tarsals; 6 metatarsals; 12 phalanges.

Room 17 Mezzanine

•Adult, male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 19 intact and 2 loose teeth.

Catalog No. 99.1/62, Burial No. 4 (Norton Period) (see Table 15)

Room 12 Mezzanine

•Adult, sex undetermined

Incomplete mandible; 4 intact teeth; 21 vertebrae; ribs and rib fragments (very fragmented); incomplete sternum; complete unsided and incomplete right scapulae; incomplete left and right clavicles; incomplete left and right humeri; complete left and incomplete right ulnae; incomplete left radius; incomplete right innominate; incomplete left patella; incomplete, unsided fibula; 9 tarsals; 14 metatarsals; 26 phalanges.

•Adult, sex undetermined

Incomplete sacrum; incomplete right innominate; 1 tarsal.

Table 15.
Associated Funerary Objects from Burial 4, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7272	ground stone	whetstone, grooved	2 pieces, fair
60.1/7273	chipped stone	5 flakes, gray chert	incomplete
60.1/7274	chipped stone	17 flakes, gray chert	incomplete
60.1/7275	chipped stone	2 small side blades, 1 missing (Plate 80, Object 26)	incomplete
60.1/7276	chipped stone	10 projectile points, cataloged as 7276a–7276f (Plate 80, Objects 1, 3–7)	complete
60.1/7277	chipped stone	4 small blade or point fragments, 1 missing	incomplete
60.1/7278	chipped stone	1 small beaked scraper (Plate 81, Object 10)	complete
60.1/7279	chipped stone	projectile point (Plate 80, Object 18)	complete
60.1/7280	modified faunal remains	harpoon point, ivory (Plate 78, Object 5)	fragment, fair
60.1/7281	modified faunal remains	arrowhead, end blade type (Plate 78, Objects 10–11)	complete
60.1/7281b	modified faunal remains	arrowhead, end blade type	complete
60.1/7282	modified faunal remains	arrowhead, side blade slot (Plate 78, Object 18)	complete
60.1/7282g	modified faunal remains	arrowhead, antler, 1 side base slot	complete
60.1/7283			missing
60.1/7284	modified faunal remains	barb for fish spear	complete
60.1/7285	modified faunal remains	2 pieces for arrowhead, antler	complete
60.1/7286	unmodified faunal remains	1 small rod, antler (Plate 81, Object 19)	complete

Catalog No. 99.1/63, Burial No. 5 (Norton Period) (Table 16)

Post-Room 17 Mezzanine

•Infant, sex undetermined

Incomplete cranium; incomplete mandible; 6 intact and 8 loose teeth; vertebrae (fragmentary); rib fragments; incomplete left and right scapulae; incomplete left and right clavicles; incomplete left and right femurs; incomplete left and right tibiae; incomplete, unsided fibula.

Table 16.
Associated Funerary Object from Burial 5, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7287	chipped stone	drill/burin, chert	incomplete

Catalog No. 99.1/64, Burial No. 6 (Norton Period)

Room 12 Mezzanine

•Adult, probable female

Incomplete sacrum; 15 vertebrae; incomplete left and right scapulae; complete left and right clavicles; complete left and right humeri; incomplete left and right ulnae; incomplete left radius; 4 metacarpals; incomplete, unsided femur; 4 tarsals; 7 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 11 intact and 1 loose teeth.

Catalog No. 99.1/65, Burial No. 8 (Ipiutak Period) (Table 17)

Room 12 Mezzanine

•Adult, sex undetermined

Incomplete right ulna; incomplete, unsided radius; incomplete left innominate; incomplete right femur; incomplete, unsided tibia; 2 loose teeth.

Comments: 1 animal tooth present with post-cranial remains.

Table 17.
Associated Funerary Objects from Burial 8, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7300	chipped stone	lot of 12 end blade insets, gray chert (Plate 35, Objects 2, 16, 27)	complete
60.1/7301	chipped stone	lot of 37 side blade insets (Plate 36, Objects 2, 7, 13, 17, 26, 36, 38, & 42)	34 complete, 3 fragments
60.1/7302	chipped stone	lot of 11 side blade inset fragments	incomplete
60.1/7303b	chipped stone	laurel-shaped projectile point, black chert, ~10 cm (Plate 46, Objects 8)	complete
60.1/7303c	chipped stone	gray chert projectile point, ~8 cm, tip broken	incomplete

Catalog No.	Material Class	Description	Condition
60.1/7304a	modified faunal remains	arrowhead, ivory, w/ incised decoration (Plate 39, Object 2)	complete
60.1/7304b	modified faunal remains	ivory arrowhead w/ incised decoration (Plate 39, Object 1)	complete
60.1/7305	modified faunal remains	lot of 5 arrowheads w/ side blade slots & insets	complete
60.1/7305a	modified faunal remains	arrowhead, 2 side slots w/ insets (Plate 32, Object 1)	complete
60.1/7306	modified faunal remains	3-barbed antler point w/ end blade (Plate 33, Object 1)	complete
60.1/7307	modified faunal remains	14 arrowheads and fragments w/ side blade slots	incomplete
60.1/7307a	modified faunal remains	arrowhead w/ 2 side slots (Plate 40, Object 10)	incomplete
60.1/7308	modified faunal remains	antler arrowhead	incomplete
60.1/7308a	modified faunal remains	antler arrowhead w/ 4 barbs on 1 side tip (Plate 42, Object 1)	complete
60.1/7309	modified faunal remains	2 antler arrowheads w/ end blade slots	incomplete, fair
60.1/7310	modified faunal remains	9 antler arrowheads w/ barbed end blade slots	incomplete
60.1/7310	modified faunal remains	arrowhead, end slot, w/ 5 barbs	complete
60.1/7311	modified faunal remains	lot of 9 arrowhead fragments	incomplete
60.1/7312	modified faunal remains	2 stone-flaking handles	incomplete
60.1/7313	modified faunal remains	"Slotted flat strip," incised w/ perforations at each end	complete
60.1/7314	modified faunal remains	"Chain links with head"; 2 links, 1 w/ carved walrus (?) head w/ jet eyes (1 eye missing) (Plate 72, Object 2)	incomplete
60.1/7315	modified faunal remains	"Swivel"; cone-shaped, w/ spiral opening & incised decoration (Plate 58, Object 3)	complete
60.1/7316	modified faunal remains	1 link object w/ carved effigy head (Plate 57, Object 13)	complete
60.1/7317	modified faunal remains	1 spiral swivel	incomplete
60.1/7318	modified faunal remains	1 straight swivel (Plate 57, Object 9)	complete
60.1/7319	modified faunal remains	worked, 25 cm, unfinished antler w/ 2 carved rings on flattened area (Plate 44, Object 8)	incomplete
60.1/7320	modified faunal remains	1 unidentified object (Plate 75, Object 20)	complete
60.1/7321	modified faunal remains	4 objects, antler (?), w/ unknown function	complete
60.1/7322	modified faunal remains	unknown object, appears to be part of ring	incomplete
60.1/7323	modified faunal remains	flat-&-concave-sided disc, 6 holes drilled in concave side (Plate 48, Object 10)	complete
60.1/7324	modified faunal remains	flat, decorated pendant (Plate 50, Object 3)	complete
60.1/7325	modified faunal remains	"Mouth cover for skeleton"; piece of jet (3.4 x 2.6 cm) for this catalog no. is in vault (Plate 49, Object 15)	complete
60.1/7326	modified faunal remains	forked-antler object	complete
60.1/7327	modified faunal remains	adze-like implement w/ tang	complete

Catalog No. 99.1/66, Burial No. 9 (Ipiutak Period) (Table 18)

Room 12 Mezzanine

•Adult, sex undetermined

Rib fragments; 4 loose teeth; 9 vertebrae; incomplete left clavicle; incomplete, unsided humerus; incomplete, unsided ulna; incomplete left and right radii; incomplete left femur; incomplete left tibia; 1 tarsal; 3 metatarsals; 6 phalanges.

•Subadult, sex undetermined

Incomplete mandible; incomplete, unsided femur.

Table 18.
Associated Funerary Objects from Burial 9, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7328	chipped stone	18 small side blades (Plate 35, Objects 1, 9, 20, 35, & 36)	complete
60.1/7329	chipped stone	38 small blades cataloged, 1 missing (Plate 36, Objects 9, 12, 14, 15, 18, 21, 24, 25, & 34)	incomplete
60.1/7330	chipped stone	10 small side blade fragments	incomplete
60.1/7331	chipped stone	2 knife blades	complete
60.1/7332	modified faunal remains	29 arrowheads w/ side slots	incomplete
60.1/7333	modified faunal remains	14 arrowheads w/ end slots	complete
60.1/7334	modified faunal remains	6 arrowheads w/ end slots and side slots (Plate 34, Object 3, & Plate 58, Object 8)	complete
60.1/7335	modified faunal remains	12 arrowheads w/ end slots & barbs	complete
60.1/7336	modified faunal remains	15 arrowhead fragments present, 37 missing	incomplete
60.1/7337	modified faunal remains	1 series of flat, carved rings (Plate 51, Object 8)	complete
60.1/7338	modified faunal remains	1 flat, seal-like carving w/ 6 perforations (Plate 53, Object 4)	complete
60.1/7339	modified faunal remains	1 decorated (incised) band	incomplete
60.1/7340	modified faunal remains	1 unidentified object, w/ large perforation (Plate 67, Object 4)	complete
60.1/7341	modified faunal remains	1 straight swivel	complete
60.1/7342	modified faunal remains	1 spiral swivel	incomplete
60.1/7343	modified faunal remains	1 incised spiral swivel	complete
60.1/7345	modified faunal remains	1 perforated, forked object (Plate 75, Object 17)	complete
60.1/7346	modified faunal remains	flaker handle w/ incised, curvilinear decorations (Plate 50, Object 11)	complete
60.1/7347	modified faunal remains	1 large, curved, perforated object (Plate 45, Object 2)	complete
60.1/7348	modified faunal remains	7 unidentified objects, 5 missing (Plate 43, Object 4)	incomplete
60.1/7349	modified faunal remains	spear-point barb	incomplete

Catalog No. 99.1/67, Burial No. 10 (Ipiutak Period) (Table 19)

Room 12 Mezzanine

•Subadult, sex undetermined
Incomplete mandible; 8 intact (4 deciduous) teeth; ribs and 11 rib fragments; incomplete left and right scapulae; incomplete right humerus; incomplete left and right femurs.

•Subadult, sex undetermined
Incomplete left femur.

Table 19.
Associated Funerary Objects from Burial 10, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7350	ground stone	1 chisel	complete
60.1/7351	ground stone	"Chisel"; ground slate w/ 1 end in flattened edge (Plate 47, Figure 13)	incomplete
60.1/7352	chipped stone	2 used flakes	incomplete
60.1/7353	chipped stone	1 raw flake	incomplete
60.1/7354	chipped stone	1 unfinished blade	complete
60.1/7355	chipped stone	1 projectile point	complete
60.1/7356	chipped stone	1 side blade	complete
60.1/7357	chipped stone	1 small blade or point fragment	incomplete
60.1/7358	modified faunal remains	2 arrowhead fragments, 1 missing	incomplete
60.1/7359	modified faunal remains	2 perforated dart heads or barbs (Plate 75, Object 11)	complete

Catalog No. 99.1/68, Burial No. 11 (Ipiutak Period) (Table 20)

Room 12 Mezzanine

•Adult, sex undetermined
Ribs and 1 rib fragment; 2 fragments of vertebrae; incomplete, unsided radius; 3 metatarsals; 2 phalanges.

Table 20.
Associated Funerary Objects from Burial 11, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7360	chipped stone	11 projectile points	complete
60.1/7361	chipped stone	1 side blade fragment	incomplete
60.1/7362	modified faunal remains	1 very long lance head w/ end slot (Plate 40, Object 13)	complete
60.1/7363	modified faunal remains	11 arrowheads, end slit	complete
60.1/7364	modified faunal remains	7 arrowheads w/ end slits & barbs	complete
60.1/7365	modified faunal remains	2 arrowheads w/ side slots	complete
60.1/7366	modified faunal remains	1 unidentified fragment, 3 missing	incomplete
60.1/7367	modified faunal remains	9 arrowhead fragments, 1 missing	incomplete
60.1/7368	modified faunal remains	1 slotted lance head	complete

Catalog No.	Material Class	Description	Condition
60.1/7369	modified faunal remains	1 spiral swivel	incomplete
60.1/7370	modified faunal remains	1 spiral swivel	complete
60.1/7371	modified faunal remains	swivel (Plate 57, Figure 5)	missing

Catalog No. 99.1/69, Burial No. 12 (Tigara Period) (Table 21)

Room 12 Mezzanine

•Adult, male

Complete sacrum; 2 vertebrae; 9 ribs and rib fragments; incomplete sternum; complete right scapula; complete left humerus; complete left ulna; complete left radius; complete left and right innominates; complete left and right femurs; complete right tibia; 2 tarsals; 1 metatarsal; 7 phalanges.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; complete facial bones; 3 intact teeth.

Comments: A chert projectile point is embedded in the right innominate.

Table 21.
Associated Funerary Objects from Burial 12, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8296	modified faunal remains	"mattock found in an historic Tigara burial"; curved w/ flattened notch on inside of curve and 3 notches on outside of curve; slanted point, whalebone	complete
60.1/8297	modified faunal remains	large, socketed piece, whalebone, listed in catalog as "Blade"	incomplete

Catalog No. 99.1/70, Burial No. 14 (Norton Period)

Room 12 Mezzanine

•Adult, probable female

Incomplete sacrum; 9 vertebrae; ribs and 1 rib fragment; complete left ulna; incomplete left and right innominates; complete left and right femurs; complete left and right patellae; incomplete left and right tibiae; incomplete left and right fibulae; 13 tarsals; 9 metatarsals; 7 phalanges.

Room 17 Mezzanine

•Adult, probable female

Incomplete cranial vault; complete cranial base; incomplete facial bones.

Catalog No. 99.1/71, Burial No. 15 (Ipiutak Period) (Table 22)

Room 12 Mezzanine

•Adult, sex undetermined

Incomplete left and right clavicles; 14 rib fragments; 1 loose tooth; 22 vertebrae; incomplete right ulna; incomplete left femur; incomplete left fibula; 1 phalange.

•Adult, sex undetermined
Complete left clavicle.

Comments: Miscellaneous faunal remains are stored with postcranial remains.

Table 22.
Associated Funerary Objects from Burial 15, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7372	ground stone	small whetstone in 3 pieces, 2 glued together	incomplete
60.1/7373	ground stone	1 adze blade (Plate 47, Object 11)	incomplete
60.1/7374	chipped stone	5 raw flakes	incomplete
60.1/7375	chipped stone	2 subtriangular scraper blades	complete
60.1/7376	chipped stone	side blade	missing
60.1/7377	modified faunal remains	1 "Chain Link" (small loop) (Plate 70, Object 7)	complete
60.1/7379	modified faunal remains	1 engraver handle	incomplete
60.1/7380	modified faunal remains	1 spoon, small, ivory (Plate 48, Object 7)	complete
60.1/7381	modified faunal remains	1 unidentified object	incomplete

Catalog No. 99.1/72, Burial No. 16 (Ipiutak Period) (Table 23)

Room 12 Mezzanine

•Adult, probable male
Incomplete right humerus; 2 ribs/rib fragments; incomplete right ulna; incomplete right innominate; incomplete left and right tibiae; incomplete, unsided fibula; 1 phalange.

Room 17 Mezzanine

•Adult, probable male
Complete cranial vault; complete cranial base; complete facial bones; incomplete mandible; 6 intact teeth.

Table 23.
Associated Funerary Objects from Burial 16, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7382	chipped stone	2 large side blades	incomplete
60.1/7383	chipped stone	2 small side blades	incomplete
60.1/7384	chipped stone	2 small side blades	incomplete
60.1/7385	modified faunal remains	3 arrowheads w/ side blades	complete
60.1/7386	modified faunal remains	3 arrowheads, fragmentary	incomplete
60.1/7387	modified faunal remains	1 arrowhead, end slit	incomplete
60.1/7388	modified faunal remains	2 arrowheads w/ barbs	complete
60.1/7389	modified faunal remains	rake-like object, ivory, with 7 teeth, loop handle (broken) (Plate 75, Object 15)	incomplete
60.1/7390	modified faunal remains	1 spiral object w/ effigy head, carved (Plate 68, Object 3)	complete

Catalog No.	Material Class	Description	Condition
60.1/7391	modified faunal remains	"Spiral swivel"; openwork carving w/ spiral loop; 1 end socketed, 1 end flattened (Plate 59, Object 5)	complete
60.1/7392	modified faunal remains	1 twisted, looped object	incomplete
60.1/7393	modified faunal remains	1 twisted, looped, carved object (Plate 66, Object 11)	complete
60.1/7394	modified faunal remains	1 twisted object, carved	incomplete
60.1/7395	modified faunal remains	1 unidentified object, flat, w/ perforation	incomplete
60.1/7396	modified faunal remains	1 triangular effigy object w/ head, carved (Plate 67, Object 7)	complete
60.1/7397	modified faunal remains	link w/ grotesque face carving, jet eye inserts (1 missing) (Plate 70, Object 5)	complete
60.1/7398	modified faunal remains	1 shaft fragment, slotted	incomplete
60.1/7399	modified faunal remains	1 shaft fragment, slotted	incomplete
60.1/7400	modified faunal remains	1 shaft fragment, slotted (Plate 74, Object 11)	incomplete
60.1/7401	modified faunal remains	1 shaft fragment	incomplete
60.1/7402	modified faunal remains	long, slotted shaft	incomplete
60.1/7403	modified faunal remains	1 side of polar-bear mandible w/ 4 circular perforations	incomplete

Catalog No. 99.1/73, Burial No. 17 (Ipiutak Period) (Table 24)

Room 12 Mezzanine

•Adult, sex undetermined
Incomplete left humerus; incomplete left and right ulnae; incomplete right radius; incomplete left and right innominates; incomplete right femur; incomplete left and right tibiae; incomplete, unsided fibula; 3 tarsals; 1 metatarsal; 1 phalange.

•Adult, sex undetermined
Incomplete right radius.

Comments: Remains also include 4 unidentified metacarpal/metatarsal fragments and 2 unidentified long-bone-shaft fragments (possibly a humerus and an ulna).

Table 24.
Associated Funerary Objects from Burial 17, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7404	modified faunal remains	1 looped object (Plate 66, Object 4)	complete
60.1/7405	modified faunal remains	1 looped object (Plate 66, Object 12)	complete
60.1/7406	modified faunal remains	1 looped object (Plate 67, Object 14)	complete
60.1/7407	modified faunal remains	1 looped object w/ perforations (Plate 67, Object 9)	complete
60.1/7408	modified faunal remains	1 looped object (Plate 67, Object 12)	complete
60.1/7409	modified faunal remains	1 fragment, looped object	incomplete
60.1/7410	modified faunal remains	shaft w/ bird-head effigy	incomplete

60.1/7411	modified faunal remains	1 shaft (Plate 75, Object 16)	incomplete
60.1/7412	modified faunal remains	1 band, flat & slightly curved	complete

Catalog No. 99.1/74, Burial Nos. 15–20 (Ipiutak Period) (Tables 25–28)

Room 12 Mezzanine

•Adult, sex undetermined

Incomplete mandible; 2 intact teeth.

Table 25.
Associated Funerary Objects from Burial 18, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7413	modified faunal remains	1 looped object, twisted at end (Plate 61, Object 2)	complete
60.1/7414	modified faunal remains	1 looped object w/ effigy (Plate 68, Object 4)	complete
60.1/7415	modified faunal remains	1 looped object (Plate 67, Object 13)	incomplete
60.1/7416	modified faunal remains	1 looped object (Plate 66, Object 1)	complete
60.1/7417	modified faunal remains	1 double-looped object, carved	incomplete
60.1/7418	modified faunal remains	1 looped object	incomplete
60.1/7419	modified faunal remains	1 looped object	incomplete
60.1/7420	modified faunal remains	1 looped object	incomplete
60.1/7421	modified faunal remains	1 double-looped object, carved (Plate 61, Object 6)	complete
60.1/7422	modified faunal remains	1 looped object (Plate 61, Object 4)	complete
60.1/7423	modified faunal remains	1 bird-bone tube, incised (Plate 48, Object 5)	incomplete
60.1/7424	modified faunal remains	1 unidentified object w/ multiple 3-D loops	incomplete
60.1/7425	modified faunal remains	"Looped object entwined—heads"; object w/ loop at 1 end, stylized animal head at other (Plate 72, Object 4)	complete
60.1/7426	modified faunal remains	1 straight swivel, carved	incomplete
60.1/7427	modified faunal remains	1 unidentified fragment, carved	incomplete
60.1/7428	modified faunal remains	1 long, slotted shaft w/ effigy head, repaired (Plate 73, Object 6)	complete
60.1/7436	unmodified faunal remains	1 polar-bear tooth	complete

Table 26.
Associated Funerary Objects from Burial 19, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7430	modified faunal remains	1 multilooped object, carved	complete
60.1/7431	modified faunal remains	looped object w/ grotesque head carving, ivory (Plate 68, Object 15)	complete
60.1/7432	modified faunal remains	1 multilooped object, carved (Plate 67, Object 8)	complete
60.1/7433	modified faunal remains	1 looped object with elaborate twist (Plate 65, Object 13)	complete

Catalog No.	Material Class	Description	Condition
60.1/7434	unmodified faunal remains	1 polar-bear-mandible fragment, no teeth	incomplete
60.1/7435	modified faunal remains	1 slotted shaft with bird-head effigy (Plate 74, Object 2)	complete
60.1/7437	modified faunal remains	1 fragment of carved, twisted object	incomplete

Table 27.
Associated Funerary Objects from Burial 20, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7438	modified faunal remains	1 series of carved loops on shaft (Plate 64, Object 10)	incomplete
60.1/7439	modified faunal remains	1 unidentified fragment, 4 missing	incomplete

Table 28.
Associated Funerary Objects from "Random graves 15–20," Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7440	chipped stone	3 projectile points	2 complete, 1 incomplete
60.1/7441	modified faunal remains	1 looped object (Plate 65, Object 3)	complete
60.1/7442	modified faunal remains	"Whaling harpoon head—found by Native Man" (Plate 76, Object 4)	complete

Catalog No. 99.1/75, Burial No. 21 (Ipiutak Period) (Table 29)

Room 17 Mezzanine

•Infant; sex undetermined

Incomplete cranium; incomplete mandible; 8 intact and 3 loose teeth; ribs/rib fragments; incomplete left and right scapulae; complete left and right clavicles; incomplete left and right humeri; incomplete, unsided ulna; incomplete left and right radii; incomplete left and right innominates; incomplete left and right femurs; incomplete, unsided tibia.

Comments: There is an unsided ulna shaft stored in the Room 12 mezzanine. It is labeled "99.1/75A," but probably belongs to this individual.

Catalog No. 99.1/75A, Burial No. 21 (Ipiutak Period) (see Table 29)

Room 12 Mezzanine

•Adult, sex undetermined

Complete sternum; 2 loose teeth; 8 vertebrae; 23 ribs/rib fragments; incomplete left and right scapulae; complete left and right humeri; complete left ulna; complete left radius; 8 metacarpals; complete left and right femurs; complete left and right tibiae; complete left and right fibulae; 3 tarsals; 8 metatarsals; 20 phalanges.

•Probable adult, sex undetermined

Incomplete left humerus.

•Infant, sex undetermined

Incomplete, unsided ulna (labeled "99.1/75a") that probably belongs with 99.1/75.

Room 17 Mezzanine

•Adult, probable male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 30 intact teeth.

Comments: The cervical vertebrae from Burial 21 are stored with artifact 60.1/7456.

Table 29.
Associated Funerary Objects from Burial 21, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7451	modified faunal remains	1 carved tube, antler	complete
60.1/7452	modified faunal remains	1 carved tube, antler, glued (Plate 75, Object 11)	complete
60.1/7453	modified faunal remains	1 carved tube, antler, repaired; 1 eye inlay (Figures 45 a–45b)	incomplete
60.1/7454	modified faunal remains	1 carved tube, antler (Figure 29)	complete
60.1/7455	modified faunal remains	1 carved tube, antler, repaired	complete
60.1/7456	modified faunal remains	slender rod, ivory, w/ small ring at 1 end & carved hand at other end; inserted through human cervical vertebrae (C1–C4) (Plate 73, Object 1)	complete
60.1/7457	modified faunal remains	chain, carved, w/ heads, ivory (Plate 72, Object 1)	complete
60.1/7458	modified faunal remains	1 awl	complete
60.1/7459	modified faunal remains	loon skull (7459a) w/ ivory "eyes" (7459b–7459c) (Plate 49, Object 7)	complete
60.2/4783	modified faunal remains	polished cylinder, ivory (Plate 49, Object 8)	complete

Catalog No. 99.1/76, Burial Nos. 22–22a (Ipiutak Period) (Tables 30–31)

Room 12 Mezzanine

•Probable adult, sex undetermined
Incomplete, unsided humerus; incomplete left femur.

Table 30.
Associated Funerary Objects from Burial 22, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7460	chipped stone	3 side blades	incomplete
60.1/7461	chipped stone	1 fragment of side blade/projectile point	incomplete
60.1/7462	ground stone	"1 Large stone shaped lake a labret" (Plate 48, Object 12)	complete
60.1/7463	modified faunal remains	"Unidentified object with head"; ivory carved in form of half cylinder, w/ eye holes at 1 end & incised circle-and-line decoration (Plate 68, Object 7)	complete
60.1/7464	modified faunal remains	1 unidentified object, carved, incised, shaft & loop (Plate 67, Object 3)	complete
60.1/7465	modified faunal remains	1 unidentified object w/ bird-head effigy (Plate 63, Object 13)	incomplete

Catalog No.	Material Class	Description	Condition
60.1/7466	modified faunal remains	1 unidentified object w/ 2 loops, carved & incised	complete
60.1/7467	modified faunal remains	1 unidentified object w/ loop, carved	incomplete
60.1/7468	modified faunal remains	1 unidentified loop object	complete
60.1/7469	modified faunal remains	1 unidentified looped object, carved & incised	incomplete
60.1/7470	modified faunal remains	1 unidentified loop object	complete
60.1/7471	modified faunal remains	1 long lance head w/ side slot	complete
60.1/7472	modified faunal remains	1 long lance head w/ perforated shaft	complete
60.1/7473	modified faunal remains	1 bird-bone tube (Plate 48, Object 6)	complete
60.1/7474	modified faunal remains	3 arrowhead fragments	incomplete
60.1/7475	modified faunal remains	1 flat, perforated piece	incomplete

Table 31.
Associated Funerary Objects from Burial 22a, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7476	modified faunal remains	1 unidentified looped object, carved & incised	complete
60.1/7477	modified faunal remains	1 unidentified looped object, carved & incised (Plate 65, object 7)	complete
60.1/7478	modified faunal remains	1 unidentified loop object	incomplete
60.1/7479	modified faunal remains	1 unidentified loop object	incomplete
60.1/7480	modified faunal remains	1 arrowhead w/ barbs (Plate 34, Object 8)	incomplete
60.1/7481	modified faunal remains	1 shaft fragment	incomplete
60.1/7482	modified faunal remains	1 arrowhead fragment	incomplete
60.1/7483	modified faunal remains	1 unidentified, perforated object	complete
60.1/7484	unmodified faunal remains	1 bird bone	complete

Catalog No. 99.1/77, Burial No. 24 (Ipiutak Period) (Table 32)

Room 12 Mezzanine

•Adult, probable male

Incomplete cranium; 6 loose teeth; 24 vertebrae fragments; ribs/rib fragments; incomplete left and right scapulae; incomplete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 7 carpals; 7 metacarpals; incomplete left and right innominates; incomplete left and complete right femurs; incomplete left and complete right tibiae; incomplete left and complete right fibulae; 4 tarsals; 19 phalanges.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; incomplete cranial base; complete facial bones; complete mandible; 14 intact and 3 loose teeth.

Table 32.
Associated Funerary Objects from Burial 24, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7500	modified faunal remains	shaft fragment, pointed	incomplete
60.1/8992	modified faunal remains	"Eyes, jet pupils (2)"; 2 eye inserts for skull, ivory, w/ jet insert as pupils	complete

Catalog No. 99.1/78, Burial No. 25 (Ipiutak Period) (Table 33)

Room 12 Mezzanine

•Adult, sex undetermined
Incomplete left scapula; 1 loose tooth; 3 ribs/rib fragments; incomplete left and right humeri; incomplete left and right ulnae; incomplete left radius; incomplete right femur; incomplete left patella; incomplete left tibia.

•Probable adult, sex undetermined
Incomplete left humerus.

Table 33.
Associated Funerary Objects from Burial No. 25, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7501	chipped stone	side blade	complete
60.1/7502	modified faunal remains	openwork carving, swivel w/ fish motif, fins (Plate 63, Object 1; caption mislabeled as "60.1/7602")	complete
60.1/7503	modified faunal remains	flat, spiral carving on thin shaft	incomplete
60.1/7504	modified faunal remains	arrowhead w/ 2 side slots	complete
60.2/4785	chipped stone	1 chert end scraper (Plate 46, Object 26)	complete
60.2/4786	modified faunal remains	"Ornamental band, ivory"; perforated & incised (Plate 51, Object 7)	complete
60.2/4787	chipped stone	arrow side blade, fragmentary	incomplete
60.2/4788	chipped stone	side scraper, worked flake (?)	incomplete
60.2/4789	chipped stone	8 unworked flakes, cataloged as 4789a–4789h	incomplete
60.2/4790	modified faunal remains	arrowhead, end blade slot	incomplete
60.2/4791	modified faunal remains	carving, ivory; oval ring w/ fins (?) at ends	incomplete
60.2/4792	modified faunal remains	pointer rib bone	complete

Catalog No. 99.1/79, Burial No. 26 (Ipiutak Period) (Table 34)

Room 17 Mezzanine

•Adult, probable female
Incomplete cranial vault; incomplete cranial base; complete facial bones; 1 intact tooth.

Catalog No. 99.1/79A, Burial No. 26 (Ipiutak Period) (see Table 34)

Room 17 Mezzanine

•Subadult, sex undetermined

Incomplete cranial vault; incomplete cranial base; incomplete facial bones; incomplete mandible; 1 loose and 6 intact teeth.

Table 34.
Associated Funerary Objects from Burial Number 26, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7371	modified faunal remains	straight swivel	incomplete
60.1/7505	chipped stone	"4 Raw Flakes," gray chert	complete
60.1/7506	chipped stone	6 end blade insets (Plate 46, Objects 19–20)	2 intact, 2 fragments
60.1/7507	chipped stone	lot of 12 side blade insets, 3 fragmentary (Plate 36, Object 11)	complete
60.1/7508	chipped stone	2 small blade fragments of gray chert, probably side blade insets	incomplete
60.1/7509	chipped stone	"3 Knife blades"; 2 chipped-stone implements, 1 straight edge, 1 curved edge; third piece is 7509a (Plate 46)	complete
60.1/7509a	chipped stone	1 knife blade (Plate 46, Object 1)	incomplete
60.1/7510	modified faunal remains	"11 Arrow heads—end slot & barbs," antler	complete
60.1/7510	modified faunal remains	object, ivory; clothespin shape w/ socket	complete
60.1/7511	modified faunal remains	"11 Arrow heads—side slots," antler	complete
60.1/7512	modified faunal remains	"4 Arrow heads barbs & blunt point"; 3 present, fourth assigned to 7512a	complete
60.1/7512a	modified faunal remains	"4 Arrow heads barbs & blunt point"; this is 1 of 4; the remainder are Catalog No. 7512 (Plate 34, Object 15)	complete
60.1/7513	modified faunal remains	"2 Arrow head fragment [*sic*] but rare forms"; antler shafts, 1 w/ end slot, 1 w/ side slot	incomplete
60.1/7514	modified faunal remains	"26 Arrow head fragments"; arrowhead shafts (24 antler, 2 ivory) of varying types, primarily side slot	complete
60.1/7515	modified faunal remains	"Toggle"; harpoon socket piece w/ incised animal-head effigy (Figure 47a & Plate 38, Object 6)	complete
60.1/7516	modified faunal remains	harpoon socket piece (Plate 38, Object 7)	missing
60.1/7517	modified faunal remains	adze head w/ 4 hafting perforations, no insert (Plate 44, Object 5)	complete
60.1/7518	modified faunal remains	incised snow goggles (Figure 27 & Plate 48, Object 1)	complete
60.1/7519	modified faunal remains	"Flint flaker handle (decorated)"; curved, spatulate object; "decoration" appears to be root damage	complete
60.1/7520	modified faunal remains	decorated flint-flaker handle; elongated pear shape w/ curvilinear decorations (Figure 14 & Plate 43, Object 14)	complete

Catalog No.	Material Class	Description	Condition
60.1/7521	modified faunal remains	"Ivory ring," ~1.5 cm dia.	complete
60.1/7522	modified faunal remains	"3 Buttons"; 2 buttons w/ ring shank	complete
60.1/7522a	modified faunal remains	1 incised button (Plate 48, Object 3)	incomplete
60.1/7523	modified faunal remains	long, slotted shaft w/ attached 3-loop ring (Plate 41, Object 6)	complete
60.1/7524	modified faunal remains	long harpoon point (Plate 39, Object 5)	complete
60.1/7525	modified faunal remains	1 perforated shaft, in 2 pieces (Plate 73, Object 3)	incomplete
60.1/7526	modified faunal remains	fragment of long, slotted shaft	incomplete
60.1/7527	modified faunal remains	1 shaft fragment w/ effigy head (Plate 41, Object 3)	incomplete
60.1/7528	modified faunal remains	"Foreshaft (?)"	complete
60.1/7529	modified faunal remains	slotted shaft w/ 4 slots (Plate 74, Object 10)	complete
60.1/7530	modified faunal remains	harpoon ice pick (Plate 39, Object 9)	complete
60.1/7531	modified faunal remains	1 shaft w/ loops	incomplete
60.1/7532	modified faunal remains	1 flat, incised, perforated, scalloped band (Plate 51, Object 9)	complete
60.1/7532	modified faunal remains	flat, incised, perforated, scalloped band	complete
60.1/7533	modified faunal remains	"Flint flaker handle (?)"; object, antler, w/ curvilinear, incised decorations (Figure 19e & Plate 43, Object 18)	complete
60.1/7534	modified faunal remains	"Flat perforated object"; section of antler, branching w/ 2 ovate perforations	incomplete
60.1/7535	modified faunal remains	"Flat decorated object"; similar to flaker handle, w/ longitudinal groove & incised decoration	incomplete
60.1/7536	modified faunal remains	"Flat unidentified object"; both ends forked	incomplete
60.1/7537	modified faunal remains	"Flat unidentified object"; perforated slot runs full length of side, ends in round perforation	incomplete
60.1/7538	modified faunal remains	"Flat unidentified object"; flat object w/ curved, perforated slot and 2 holes	incomplete
60.1/7539	modified faunal remains	very deteriorated fragment, antler, function unknown	incomplete
60.1/7540	modified faunal remains	openwork carving, 2 twisted links (Plate 71, Object 2)	complete
60.1/7541	modified faunal remains	2 ivory links (Plate 71, Object 5)	complete
60.1/7542	modified faunal remains	1 looped object, w/ 3-D loops (Plate 63, Object 4)	complete
60.1/7543	modified faunal remains	"Looped object"; conical object coming to a flat point, base is pierced w/ large hole joining a slot perforated longitudinally in shaft	complete
60.1/7544	modified faunal remains	1 looped object (Plate 66, Object 5)	complete
60.1/7545	modified faunal remains	"Looped object," w/ heads carved at each end (Plate 68, Object 17)	complete
60.1/7546	modified faunal remains	1 looped object (Plate 63, Figure 15)	complete
60.1/7547	modified faunal remains	openwork ivory carving (Plate 63, Object 8)	complete

Catalog No.	Material Class	Description	Condition
60.1/7548	modified faunal remains	"Looped object"; oval ring w/ smaller round ring at 1 end	incomplete
60.1/7549	modified faunal remains	"Looped object"; oval, ivory, w/ 1 end forming and extending in channel shape	complete
60.1/7550	modified faunal remains	1 looped object (Plate 67, Object 10)	complete
60.1/7551	modified faunal remains	1 looped, incised object (Plate 67, Object 5)	complete
60.1/7552	modified faunal remains	carved ivory object, triple spiral w/ loops at each end	complete
60.1/7553	modified faunal remains	"Looped object"; acute triangle shape w/ barbed point & 2 perforations	complete
60.1/7553	modified faunal remains	openwork link carving (Plate 63, Object 3)	complete
60.1/7554	modified faunal remains	"Looped object fragment"; fragment of object, ivory, composed of 2 loops at right angles (Plate 67, Object 6)	incomplete
60.1/7555	modified faunal remains	"Looped object with slot"; piece, ivory, w/ twisted loop at 1 end & 2 slots at other; line-tending gear?	incomplete
60.1/7556	modified faunal remains	openwork carving, ivory; double-looped object	complete
60.1/7557	modified faunal remains	"Twisted object"; ivory loop formed of spirals (Plate 61, Object 9)	complete
60.1/7558	modified faunal remains	"Twisted object"; loop w/ 1 end twisted to accept line loop at right angle to first	complete
60.1/7559	modified faunal remains	"Twisted object"; ivory object, 2 loops w/ broken third loop	fragment, fair
60.1/7560	modified faunal remains	"Twisted object"; 8-shaped loop	complete
60.1/7561	modified faunal remains	1 looped, twisted object (Plate 62, Object 1)	complete
60.1/7562	modified faunal remains	openwork carving, twisted double loop (Plate 60, Object 8, & Plate 63, Object 7)	complete
60.1/7565	modified faunal remains	carved swivel, ivory, spiral, incised (Plate 58, Object 6)	complete
60.1/7566	modified faunal remains	"Swivel, spiral"; cone shape w/ incised circle & radiating-lines motif	complete
60.1/7567	modified faunal remains	1 looped object (Plate 64, Object 2)	incomplete
60.1/7568	modified faunal remains	1 looped object (Plate 65, Object 2)	complete
60.1/7569	modified faunal remains	carved object, twisted link (Plate 69, Object 1)	complete
60.1/7570	modified faunal remains	1 looped object	incomplete
60.1/7571	modified faunal remains	"Flat looped object"; oval ring	incomplete
60.1/7572	modified faunal remains	"Flat looped object"; buckle-like carving, ivory	complete
60.1/7573	modified faunal remains	"Flat looped object"; ring w/ 4 holes along 1 side, opposite 2 "ears" on other side	complete
60.1/7574	modified faunal remains	"Flat looped object"; flat oval w/ 2 perforated openings	incomplete
60.1/7575	modified faunal remains	"Flat looped object"; triangular ring	complete
60.1/7576	chipped stone	1 knife blade	complete

Catalog No.	Material Class	Description	Condition
60.1/7577	modified faunal remains	"3 Pieces of twisted objects"; ivory fragments of looped carvings, split longitudinally	incomplete
60.1/7580a	modified faunal remains	carved figurine w/ seal fins & large mouth (Plate 53, Object 5)	complete
60.1/7580b	modified faunal remains	1 looped effigy object (Plate 68, Object 8)	complete
60.1/7581	modified faunal remains	"Looped object with bird head"; openwork carving w/ long-beaked bird carved on 1 end (Plate 69, Object 3)	complete
60.1/7582	modified faunal remains	clothespin-shaped bird-head motif w/ loop (Plate 69, Object 6)	complete
60.1/7583	modified faunal remains	"Lance head with side slots"	complete
60.1/7584	modified faunal remains	"Lance head with side slots"	complete
60.1/7585	modified faunal remains	lance head w/ side slots, incised (Plate 41, Object 8)	complete
60.1/7586	modified faunal remains	lance head w/ side slots, incised (Plate 40, Object 9)	complete
60.1/7587	modified faunal remains	"Lance head with side slots"; rib-like shaft w/ side slots & perforated slot at 1 end; decorated w/ incised lines	complete
60.1/7588	modified faunal remains	"Lance head with side slots"; curved ivory piece w/ single slot on outside of curve; hafting notches on 1 end; some decoration faintly visible (Plate 40, Object 11)	complete
60.1/7589	modified faunal remains	"Lancehead or knife"; side slots, incised w/ flowing lines & circles (Plate 41, Object 7)	complete
60.1/7590	modified faunal remains	1 lance head or knife w/ side slots, perforation (Plate 41, Object 4)	complete
60.1/7590 Mislabeled	modified faunal remains	decorated (incised) pendant, found between knees	complete
60.1/7591	modified faunal remains	"18 Unidentified fragments"; lot of 5 worked shafts, antler & bone, unknown function; margin note in catalog gives quantity as 7	complete

Catalog No. 99.1/80, Burial No. 29 (Ipiutak Period) (Table 35)

Room 12 Mezzanine

•Adult, probable male

Incomplete cranium; 1 loose tooth; 24 vertebrae; complete sacrum; 23 ribs/rib fragments; incomplete sternum; incomplete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 10 carpals; 9 metacarpals; incomplete left and complete right innominates; complete left and right patellae; complete left and incomplete right tibiae; complete left and right fibulae; 12 tarsals; 5 metatarsals; 29 phalanges.

Comments: 1 animal bone is stored with these human skeletal remains.

Room 17 Mezzanine

•Adult, probable male
Complete mandible; 1 loose tooth.

•Adult; probable male
Complete cranial vault; incomplete cranial base; complete facial bones; 1 loose and 6 intact teeth.

Comments: Although stored in the same containers, the skull and mandible are from 2 different individuals.

Table 35.
Associated Funerary Objects from Burial 29, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7596	modified faunal remains	triangular fragment of pendant, pierced at apex; "Fishbone" motif of incised lines (Plate 50, Object 7)	incomplete
60.1/7597	modified faunal remains	"Pendant"; irregular ivory piece w/ suspension hole (Plate 50, Object 6)	incomplete

Catalog No. 99.1/81, Burial No. 30 (Ipiutak Period) (Table 36)

Room 17 Mezzanine

•Adult, probable male
Incomplete cranial vault; incomplete cranial base; incomplete mandible.

Table 36.
Associated Funerary Objects from Burial 30, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7598	modified faunal remains	1 spiral, grooved object (Plate 62, Object 10)	complete
60.1/7599	modified faunal remains	double-looped swivel	incomplete
60.1/7600	modified faunal remains	2 small pieces, red ochre	incomplete

Catalog No. 99.1/82, Burial No. 31 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined
Complete sacrum; 24 vertebrae; 12 ribs/rib fragments; incomplete right scapula; complete left clavicle; complete left and right humeri; complete left and right ulnae; complete left radius; incomplete left and right innominates; complete left and right femurs; complete left and right tibiae; complete, unsided fibula; 3 tarsals.

•Infant/subadult, sex undetermined
Incomplete right scapula.

Room 17 Mezzanine

•Subadult, sex undetermined
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 2 loose and 21 intact teeth.

Catalog No. 99.1/83, Burial No. 32 (Ipiutak Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete cranium; 3 loose teeth; 24 vertebrae; 11 ribs/rib fragments; incomplete left and right scapulae; incomplete left and right clavicles; incomplete left and right humeri; incomplete left radius; incomplete, unsided innominate; incomplete left and right femurs; incomplete right tibia; 6 phalanges.

Room 17 Mezzanine

•Subadult, sex undetermined

Complete cranial vault; incomplete cranial base; complete facial bones; complete mandible; 17 intact teeth.

Catalog No. 99.1/83A, Burial No. 32 (Ipiutak Period) (Table 37)

Room 12 Mezzanine

•Adult, probable female

Incomplete sacrum; 23 vertebrae; 21 ribs/rib fragments; incomplete sternum; incomplete left scapula; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; incomplete left and complete right innominates; complete left and right femurs; complete right patella; complete left and right tibiae; complete left and right fibulae; incomplete right talus; 8 tarsals; 10 metatarsals; 14 phalanges.

•Probable adult, sex undetermined

Incomplete left scapula; incomplete right humerus; incomplete right ulna; incomplete right fibula; incomplete right talus.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 10 intact teeth.

Comments: The postcranial remains of 99.1/83A and 99.1/83B are intermingled.

Catalog No. 99.1/83B, Burial No. 32 (Ipiutak Period) (see Table 37)

Room 12 Mezzanine

•Adult, probable male

Incomplete mandible; 2 loose and 8 intact teeth.

Comments: The postcranial remains of 99.1/83A and 99.1/83B are intermingled.

Table 37.
Associated Funerary Objects from Burial 32, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7601	chipped stone	7 raw flakes	incomplete
60.1/7602	chipped stone	skin-scraper blade	complete
60.1/7603	modified faunal remains	antler adze head & blade (Plate 44, Object 1)	complete
60.1/7604	modified faunal remains	flaker handle, w/ face carved on butt (Plate 43, Object 12)	complete

Catalog No.	Material Class	Description	Condition
60.1/7605	modified faunal remains	2 bird (?) long-bone shafts	incomplete
60.1/7605a	modified faunal remains	decorated bird-bone tube, w/ incised ladder-like lines and notches	incomplete
60.1/7606	modified faunal remains	"Barb for salmon spear"; worked antler w/ perforation & curved point (Plate 42, Object 18)	complete
60.1/7607	modified faunal remains	"Caribou leg bone scraper"	complete
60.1/7608	modified faunal remains	"Caribou leg bone scraper" (Plate 44, Object 6)	complete
60.1/7609	modified faunal remains	"Pick-like ivory object"; curved piece (~29 cm) w/ flattened point at 1 end & axial ridges (for hafting?) & perforated slot at the other end (Plate 76, Object 10)	complete
60.1/7610	modified faunal remains	"Straight swivel with shaft" (Plate 56, Object 1)	complete
60.1/7611	modified faunal remains	"Arrow head straightener"; flat shaft, ivory, w/ hole (~1 cm.) at 1 end & randomly incised lines (Plate 42, Object 14)	complete
60.1/7612	modified faunal remains	"Flat perforated decorated object"; flat, lozenge-shaped ivory carving w/ large central hole, 3 additional perforations, & 2 engraved slots (Plate 50, Object 5)	incomplete, mended
60.1/7613	modified faunal remains	1 marrow spoon (?) w/ perforation (Plate 75, Object 18)	complete
60.1/7614	modified faunal remains	pointed bone piece w/ seal-head motif	complete
60.1/7615	modified faunal remains	shaft w/ incised groove & 3 perforations	incomplete
60.1/7616	modified faunal remains	shaft w/ (broken) ring at end & linear groove down centerline	incomplete
60.1/7617	modified faunal remains	bone piece w/ grooves and perforations	incomplete
60.1/7618	modified faunal remains	small, flattened curve w/ 2 perforations	incomplete
60.1/7619	modified faunal remains	ivory polar-bear carving; knife handle? (Plate 52, Object 10)	complete
60.1/7620	modified faunal remains	carved-ivory seal, skeleton motif (Plate 52, Object 6)	complete
60.1/7621	modified faunal remains	carved-ivory seal (Plate 52, Object 7)	complete
60.1/7622	modified faunal remains	carving of polar-bear head w/ jet eye inserts (1 missing) (Plate 52, Object 9)	incomplete

Catalog No. 99.1/84, Burial No. 33 (Ipiutak Period) (Table 38)

Room 12 Mezzanine

•Commingled remains of at least 6 adults: 3 probable male, 2 probable female, 1 sex undetermined
Incomplete sternum; 64 vertebrae; 3 incomplete and 2 complete sacrums; 33 ribs/rib fragments; 5 incomplete left and 3 incomplete right scapulae; 3 incomplete left and 4 incomplete right clavicles; 2 complete and 3 incomplete left and 3 complete and 1 incomplete right humeri; 1 complete and 4 incomplete left and 2 complete and 4 incomplete right ulnae; 2 complete and 3 incomplete left and 1 complete and 4 incomplete right radii; 2 complete and 3 incomplete left and 2 complete and 4 incomplete right innominates; 5 complete left and 3 complete and 3 incomplete right femurs; 3 complete right and 1 incomplete, unsided patellae; 3 incomplete left and 4 incomplete right tibiae; 3 incomplete left and 4 incomplete right fibulae; 18 tarsals; 15 metatarsals; 43 phalanges.

•Infant, sex undetermined
Incomplete mandible; 4 intact teeth.

Catalog No. 99.1/84A, Burial No. 33 (Ipiutak Period) (see Table 38)

Room 17 Mezzanine

•Adult, sex undetermined
Complete cranial vault; complete cranial base; incomplete facial bones; complete mandible; 18 intact teeth.

Catalog No. 99.1/84B, Burial No. 33 (Ipiutak Period) (see Table 38)

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; incomplete facial bones; incomplete mandible; 6 intact teeth.

Catalog No. 99.1/84C, Burial No. 33 (Ipiutak Period) (see Table 38)

Room 17 Mezzanine

•Adult, probable female
Incomplete cranial base; incomplete facial bones; complete mandible; 5 intact and 8 loose teeth.

Catalog No. 99.1/84D, Burial No. 33 (Ipiutak Period) (see Table 38)

Room 17 Mezzanine

•Adult, probable female
Incomplete cranial vault; incomplete facial bones; complete mandible; 11 intact teeth.

Table 38.
Associated Funerary Objects from Burial 33, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7623	ground stone	"Long stone chisel"; stone, ~31.5 cm long, ground to flat point on 1 end (Plate 47, Object 19)	complete
60.1/7624	ground stone	"Whetstone"; ground smooth on 2 sides	complete
60.1/7625	ground stone	large adze blade, w/ chipped edge	complete
60.1/7626	ground stone	adze head blade insert, black chert (Plate 47, Object 10)	complete
60.1/7627	ground stone	"Red paint stone"; irregularly shaped stone, ground smooth on 4 sides	complete
60.1/7628	ground stone	"3 Whetstones"; 1 present composed of several pieces glued together, 2 reassigned Catalog Nos. 7628a–7628b	incomplete
60.1/7628a	ground stone	whetstone (Plate 47, Object 2)	incomplete
60.1/7628b	ground stone	whetstone (Plate 47, Object 3)	complete
60.1/7629	chipped stone	"2 raw flakes"; 2 large flakes, cryptocrystalline stone	complete
60.1/7630	chipped stone	"Used flake"; large gray flake, chert	complete

Catalog No.	Material Class	Description	Condition
60.1/7631	chipped stone	gray chert knife blade; 1 edge curved, 1 straight	complete
60.1/7632	chipped stone	"2 Retouched flakes"; 1 present: large primary flake, black chert; second flake is 7632a	complete
60.1/7632a	chipped stone	1 of 2 retouched flakes for Catalog No. 7632 (Plate 46, Object 22)	complete
60.1/7633	chipped stone	"Arrow side blade"; side inset blade	incomplete
60.1/7634a	modified faunal remains	socket piece: antler stylized animal carving w/ jet inserts for eyes (Plate 38, Object 1)	incomplete
60.1/7634b	modified faunal remains	"Foreshaft"; shaft, antler, w/ 2 perforated slots, 1 end pointed, 1 blunt; companion to 7634a (socket piece) (Figure 15 & Plate 38, Object 1)	complete
60.1/7635	modified faunal remains	"Carved animal head"; antler fragment w/ holes drilled on opposing sides in approx. position of "eyes"; extremely poor condition	incomplete
60.1/7636	modified faunal remains	"Carved animal head"; ivory piece w/ longitudinal hole, split at 1 end to form "mouth"; incised lines & smaller holes; fishing lure? (Plate 52, Object 16)	complete
60.1/7637	modified faunal remains	carved animal head w/ holes drilled for eyes and mouth	complete
60.1/7638	modified faunal remains	"Adze head"; ovate antler carving partially hollowed w/ square perforation & "mouth shape" on 1 side & 2 "nostril" holes & perforated slots approximating "eyes" on the other (Plate 44, Object 3)	incomplete
60.1/7639	modified faunal remains	"Ivory peg"; disc w/ short 4-sided spike protruding from 1 side (Plate 75, Object 1)	complete
60.1/7640	modified faunal remains	antler stone-flaker handle w/ incised concentric circles	complete
60.1/7640a	modified faunal remains	"Flaker point"; flattened, curved, oval shaft (Plate 43, Object 10)	complete
60.1/7641	modified faunal remains	"Flaker handle"; longitudinal section of bone	complete
60.1/7642	modified faunal remains	"Flaker handle"; longitudinal section of antler	complete
60.1/7643	modified faunal remains	"Flaker handle"; longitudinal section of antler	complete
60.1/7644	modified faunal remains	"Flaker point ?"; longitudinal section of antler	complete
60.1/7645	modified faunal remains	"Perforated strip—wrist guard?"; ogive-shaped object w/ 2 perforated slots on each side & central perforated hole (Plate 76, Object 6)	complete
60.1/7646	modified faunal remains	"Unidentified ivory peg"; oval cross section narrowing to flattened point, 1 groove on each long side	complete
60.1/7647	modified faunal remains	"Unidentified antler piece"; from base of antler, narrow groove on 1 side, wider groove on other	complete
60.1/7648	modified faunal remains	"Marrow spoon ?"; teardrop-shaped, w/ spoon-like bowl	fragment, fair

Catalog No.	Material Class	Description	Condition
60.1/7649	modified faunal remains	"Awl ?"; pointed antler shaft	complete
60.1/7650a	modified faunal remains	polar-bear mandible w/ perforated hole; some teeth missing; mate to 7650b	complete
60.1/7650b	modified faunal remains	bear-mandible half, mate to 7650a; several teeth missing; perforated hole (Plate 48, Object 16)	complete

Catalog No. 99.1/86A, Burial No. 35 (Ipiutak Period) (Table 39)

Room 12 Mezzanine

•Adult, probable female

Incomplete sacrum; 24 vertebrae; 17 ribs/rib fragments; incomplete right scapula; incomplete left and right clavicles; incomplete left and complete right humeri; complete right ulna; complete right radius; 6 metacarpals; incomplete left and right innominates; incomplete left and complete right femurs; complete right patella; incomplete left and complete right tibiae; incomplete left and right fibulae; 2 tarsals; 1 metatarsal; 10 phalanges.

Comments: Miscellaneous faunal bone is included with these human skeletal remains.

Catalog No. 99.1/86B, Burial No. 35 (Ipiutak Period) (see Table 39)

Room 12 Mezzanine

•Adult, probable female

Incomplete sacrum; 20 vertebrae; 16 ribs/rib fragments; incomplete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and incomplete right ulnae; incomplete left and right radii; 2 metacarpals; incomplete left and right innominates; incomplete left and complete right femurs; complete right patella; complete left and right tibiae; complete left and incomplete right fibulae; 8 tarsals; 1 metatarsal.

Catalog No. 99.1/86C, Burial No. 35 (Ipiutak Period) (see Table 39)

Room 17 Mezzanine

•Adult, female

Incomplete cranial vault; complete cranial base; incomplete facial bones; complete mandible; 6 intact teeth.

Catalog No. 99.1/86D, Burial No. 35 (Ipiutak Period) (see Table 39)

Room 17 Mezzanine

•Adult, probable female

Incomplete cranial vault; incomplete cranial base; incomplete facial bones; incomplete mandible; 5 intact teeth.

Table 39.
Associated Funerary Objects from Burial 35, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7657	chipped stone	1 subtriangular scraper blade	complete
60.1/7658	modified faunal remains	1 hammer, antler (Plate 76, Object 3)	complete
60.1/7659	modified faunal remains	1 pick, ivory (Plate 39, Object 11)	complete

Catalog No.	Material Class	Description	Condition
60.1/7660	modified faunal remains	1 perforated shaft, ivory	complete
60.1/7661	modified faunal remains	1 side prong for salmon spear (Plate 42, Object 15)	complete
60.1/7661a	chipped stone	blade disk, flaked flint	incomplete
60.1/7661b	chipped stone	angular flake, flint, used	incomplete

Catalog No. 99.1/87, Burial No. 36 (Ipiutak Period)

Room 12 Mezzanine

•Adult, probable male

Incomplete sacrum; 1 loose tooth; 24 vertebrae; 18 ribs/rib fragments; incomplete left and right scapulae; incomplete left and right clavicles; complete left and right humeri; complete left and incomplete right ulnae; complete left and right radii; 7 carpals; 9 metacarpals; incomplete left and right innominates; complete left and incomplete right femurs; complete left and right patellae; incomplete left and right tibiae; incomplete left and complete right fibulae; 10 tarsals; 10 metatarsals; 24 phalanges.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 9 intact teeth.

Catalog No. 99.1/88, Burial No. 37 (Undetermined Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Complete sacrum; 23 vertebrae; 15 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 1 carpal; 7 metacarpals; complete left and right innominates; complete left and right femurs; complete right patella; complete left and right tibiae; complete left and right fibulae; 6 tarsals; 6 metatarsals; 10 phalanges.

Room 17 Mezzanine

•Subadult, probable female

Incomplete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 26 intact teeth.

Catalog No. 99.1/89, Burial No. 38 (Ipiutak Period)

Room 12 Mezzanine

•Adult, probable male

Complete sacrum; 25 vertebrae; 28 ribs/rib fragments; complete sternum; incomplete left and right scapulae; complete left and right clavicles; incomplete left and complete right humeri; complete left and incomplete right ulnae; complete left and right radii; 5 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right tibiae; incomplete left and right fibulae; 11 tarsals; 9 metatarsals; 9 phalanges.

Catalog No. 99.1/89A, Burial No. 38 (Ipiutak Period)

Room 12 Mezzanine

•Adult, probable male

Complete sacrum; 24 vertebrae; 5 ribs/rib fragments; complete sternum; incomplete left and right scapulae; incomplete left and complete right clavicles; complete left and incomplete right humeri; complete left and right ulnae; incomplete left and right radii; 9 carpals; 9 metacarpals; incomplete left and right innominates; complete left and right femurs; complete left and incomplete right tibiae; complete left and incomplete right fibulae; 10 tarsals; 19 phalanges.

Comments: There is an extra metatarsal, probably from the individual cataloged as 99.1/89.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; incomplete cranial base; complete facial bones; complete mandible; 28 intact teeth.

Catalog No. 99.1/89B, Burial No. 38 (Ipiutak Period)

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; incomplete cranial base; complete facial bones; complete mandible; 29 intact teeth.

Catalog No. 99.1/90, Burial No. 39 (Ipiutak Period)

Room 12 Mezzanine

•Adult, probable male

Incomplete cranium; 24 vertebrae; incomplete sacrum; 15 ribs/rib fragments; incomplete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and incomplete right radii; 6 carpals; 9 metacarpals; incomplete left and right innominates; complete left and right femurs; complete right patella; incomplete left and right tibiae; incomplete left and right fibulae; 5 tarsals; 1 metatarsal; 5 phalanges.

Room 17 Mezzanine

•Adult, probable female

Incomplete cranial base; complete facial bones; complete mandible; 7 intact teeth.

Catalog No. 99.1/91, Burial No. 41 (Ipiutak Period)

Room 12 Mezzanine

•Adult, probable female

Complete sacrum; ribs/rib fragments; incomplete left and right scapulae; complete left and right humeri; complete left and right ulnae; complete left and right radii; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; incomplete left and complete right fibulae; 17 phalanges.

•Adult, probable male

Ribs/rib fragments; 25 vertebrae (congenital anomaly); incomplete sternum; complete left and incomplete right scapulae; incomplete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and incomplete right radii; incomplete left and complete right innominates; complete left and right femurs

(labeled 99.1/91b); complete left and right patellae; complete left and right tibiae; complete left and incomplete right fibulae; 17 phalanges.

Comments: The 14 carpals, 18 metacarpals, 13 tarsals, and 16 metatarsals of the 2 above individuals are commingled and stored with the remains of the first (adult, probable female).

•Subadult, sex undetermined
Complete sacrum; 24 vertebrae; 23 ribs/rib fragments; incomplete sternum; incomplete left and right scapulae; incomplete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 2 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae; 8 metatarsals; 10 phalanges.

Catalog No. 99.1/91-A, Burial No. 41 (Ipiutak Period) (Table 40)

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 11 intact teeth.

•Infant/subadult, sex undetermined
4 unidentified cranial fragments.

Table 40.
Associated Funerary Objects from Catalog No. 99.1/91-A, Burial 41, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7662	modified faunal remains	"Ivory cover for teeth of skeleton 41-a—found on mouth of skull 41-a" (Plate 49, Object 14)	complete
60.1/7663	modified faunal remains	"Grooved eye"; teardrop-shaped eye w/ oval jet pupil, ivory and jet (Plate 49, Object 9)	complete
60.1/7664	modified faunal remains	"Nose plugs"; 2 bird-head carvings, ivory, w/ jet eyes (1 "eye" missing) (Plate 49, Objects 5–6)	incomplete

Catalog No. 99.1/91-B, Burial No. 41 (Ipiutak Period)

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 11 intact teeth.

Catalog No. 99.1/92, Burial No. 42 (Ipiutak Period) (Table 41)

Room 12 Mezzanine

•Subadult, sex undetermined
Incomplete sacrum; 24 vertebrae; 22 ribs/rib fragments; complete left and right humeri; complete left and right ulnae; complete left and right radii; 3 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae; 8 tarsals; 10 metatarsals; 7 phalanges.

Room 17 Mezzanine

•Adult/subadult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 24 intact teeth.

Table 41.
Associated Funerary Objects from Burial 42, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7665	modified faunal remains	seal carving, ivory; elaborate carving w/ lashing holes at tail & on fins (Plate 53, Object 1)	incomplete
60.1/7665a	modified faunal remains	"Whale bone shovel"; section of whale rib w/ 2 perforated slots at midpoint	incomplete

Catalog No. 99.1/93, Burial No. 43 (Ipiutak Period) (Table 42)

Room 12 Mezzanine

•Adult, probable male

Incomplete sacrum; 23 vertebrae; 25 ribs/rib fragments; incomplete sternum; incomplete left and right scapulae; incomplete left and right clavicles; incomplete left and right humeri; incomplete left and right ulnae; incomplete left and right radii; 3 carpals; 5 metacarpals; incomplete left and right innominates; incomplete left and right femurs; incomplete left and right tibiae; incomplete left and right fibulae; 2 tarsals; 7 metatarsals; 15 phalanges.

Room 17 Mezzanine

•Subadult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 29 intact teeth.

Table 42.
Associated Funerary Objects from Burial 43, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7666	chipped stone	"Knife blade or scraper—between ankles"; biface w/ 1 straight edge, 1 curved	complete
60.1/7667	modified faunal remains	"Band, found on pelvic bones—may have been on wrist"; thin, curved antler rectangle; some engraved lines still discernable on 1 face (Plate 50, Object 2)	incomplete

Catalog No. 99.1/94, Burial No. 44 (Ipiutak Period)

Room 12 Mezzanine

•Adult, probable male

Incomplete sacrum; 23 vertebrae; 23 ribs/rib fragments; incomplete sternum; incomplete left and right scapulae; incomplete left and right clavicles; incomplete left and right humeri; complete left and incomplete right ulnae; incomplete left and right radii; 1 carpal; 5 metacarpals; incomplete left and right innominates; incomplete left and right femurs; incomplete left and right tibiae; incomplete left and right fibulae; 12 tarsals; 7 metatarsals; 13 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 21 intact teeth.

Catalog No. 99.1/95, Burial No. 45 (Ipiutak Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete sacrum; 15 vertebrae; 22 rib fragments; incomplete right scapula; incomplete left and right humeri; incomplete left and right ulnae; incomplete left and right innominates; incomplete left and right femurs; incomplete left and right tibiae; incomplete left and right fibulae; 5 tarsals.

Room 17 Mezzanine

•Subadult, probable female

Incomplete cranial vault; incomplete cranial base; complete facial bones; complete mandible; 29 intact teeth.

Catalog No. 99.1/96, Burial No. 46 (Ipiutak Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete sacrum; 21 vertebrae; 19 ribs/rib fragments; incomplete left scapula; incomplete left clavicle; incomplete left and right humeri; incomplete left and right ulnae; incomplete left and right radii; incomplete left and right innominates; incomplete left and right femurs; incomplete left and right tibiae.

Room 17 Mezzanine

•Subadult, sex undetermined

Incomplete cranial vault; incomplete cranial base; incomplete facial bones; complete mandible; 22 intact teeth.

Catalog No. 99.1/96A, Burial No. 46 (Ipiutak Period)

Room 12 Mezzanine

•Adult, probable male

Incomplete sacrum; 1 vertebra; ribs/rib fragments; incomplete sternum; incomplete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 4 carpals; 5 metacarpals; complete right innominate; complete right femur; incomplete right patella; incomplete left and right tibiae; 3 tarsals; 5 metatarsals; 5 phalanges.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 28 intact teeth.

Comments: The postcranial remains contain 2 first cervical vertebrae. One of these is probably from 99.1/96.

Catalog No. 99.1/97, Burial No. 48 (Ipiutak Period)

Room 12 Mezzanine

•Adult, probable male

Incomplete sacrum; 24 vertebrae; 28 ribs/rib fragments; incomplete left and right scapulae; complete left and right clavicles; complete left and incomplete right humeri; incomplete left and right ulnae; incomplete left and right radii; 1 carpal; 6 metacarpals; complete left and right innominates; incomplete left and right femurs; incomplete left and complete right tibiae; incomplete left and right fibulae; 5 tarsals; 7 metatarsals; 10 phalanges.

Comments: The postcranial remains include 5 animal claws, possibly from a bear.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 12 intact and 2 loose teeth.

Catalog No. 99.1/98, Burial No. 49 (Ipiutak Period)

Room 12 Mezzanine

•Adult, probable male

Incomplete sacrum; 22 vertebrae; 28 ribs/rib fragments; incomplete left and right scapulae; incomplete left and right clavicles; complete left and right humeri; complete left and incomplete right ulnae; complete left and incomplete right radii; 4 carpals; 4 metacarpals; incomplete left and right innominates; incomplete left and complete right femurs; incomplete left and right tibiae; incomplete left and right fibulae; 5 metatarsals; 7 phalanges.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 26 intact teeth.

Catalog No. 99.1/99, Burial No. 50 (Ipiutak Period) (Table 43)

Room 12 Mezzanine

•Adult, female

Complete sacrum; 24 vertebrae; 24 ribs/rib fragments; incomplete right scapula; incomplete left and right clavicles; incomplete left and right humeri; incomplete left and complete right ulnae; complete left and incomplete right radii; 2 metacarpals; incomplete left and right innominates; complete left and incomplete right femurs; incomplete left and right tibiae; incomplete left and right fibulae; 2 tarsals; 2 metatarsals; 8 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 23 intact and 2 loose teeth.

Table 43.
Associated Funerary Objects from Burial 50, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7676	modified faunal remains	antler object, function unknown; "Pendant or charm"; perforated hole at 1 end; found w/ 7677 & 7678 beside femurs, just below pelvis	incomplete
60.1/7677	modified faunal remains	"Pendant or charm (found . . . beside femurs just below pelvis)" w/ 7676 & 7678; narrow strip of antler w/ 2 large perforated holes at 1 end and 2 smaller perforations toward other end	incomplete
60.1/7678	modified faunal remains	"Pendant or charm (found . . . beside femurs just below pelvis)" w/ 7676 & 7677; antler strip w/ 3 large holes along length, perforated slot at 1 end, smaller hole at other end	incomplete

Catalog No. 99.1/100, Burial No. 51 (Ipiutak Period) (Table 44)

Room 12 Mezzanine

•Subadult, probable female

Complete sacrum; 24 vertebrae; 28 ribs/rib fragments; incomplete sternum; incomplete left and complete right scapulae; incomplete left and right clavicles; incomplete left and complete right humeri; incomplete left and right ulnae; incomplete left and right radii; complete left and incomplete right innominates; complete left and right femurs; incomplete left patella; incomplete left and complete right tibiae; incomplete left and right fibulae; 14 metacarpals/metatarsals; 5 phalanges.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; incomplete cranial base; complete facial bones; complete mandible; 32 intact teeth.

Table 44.
Associated Funerary Objects from Burial 51, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8993	modified faunal remains	2 cones, ivory, w/ black insets to represent eyes; found in eye sockets of Burial No. 51, cataloged as 8993a–8993b (Plate 49, Objects 12–13)	complete

Catalog No. 99.1/101, Burial No. 52 (Ipiutak Period) (Table 45)

Room 12 Mezzanine

•Adult, female

Incomplete sacrum; 24 vertebrae; 28 ribs/rib fragments; incomplete left and right scapulae; incomplete left and right clavicles; complete left and incomplete right humeri; complete left and right ulnae; complete left and right radii; 2 carpals; incomplete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; incomplete left and right fibulae; 4 tarsals; 6 metacarpals/metatarsals; 3 phalanges.

Room 17 Mezzanine

•Adult, probable female

Incomplete cranial vault; incomplete cranial base; incomplete facial bones; complete mandible; 5 intact teeth.

Table 45.
Associated Funerary Object from Burial 52, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7679	chipped stone	2 flakes, gray chert	complete

Catalog No. 99.1/102, Burial No. 53 (Table 46) (Ipiutak Period)

Room 12 Mezzanine

•Adult, female

Complete sacrum; 16 vertebrae; 28 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 5 metacarpals; complete left and right innominates; complete left and right femurs; complete right patella; complete left and right tibiae; complete left and right fibulae; 3 tarsals; 4 metatarsals; 5 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 27 intact teeth.

Table 46.
Associated Funerary Objects from Burial 53, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7680	chipped stone	1 flake, broken and mended; found "on breast of skeleton"	complete
60.1/7681	modified faunal remains	"Long ivory blade—lay between skeletons 53 and 53-a at thighs"; engraved lines along edges (Plate 74, Object 6)	complete
60.1/7682	modified faunal remains	"Long antler arrow or spear head—lay between skeletons 53 and 53-a at thighs"	complete
60.1/7683	modified faunal remains	"side prongs for salmon spear"; 2 pieces, antler, cataloged as 7683a (Plate 42, Object 16) & 7683b	complete
60.1/7684	modified faunal remains	antler "Center prong for salmon spear—these . . . lay between knees of skeleton 53" (Plate 42, Object 17)	complete

Catalog No. 99.1/103, Burial No. 53a (Ipiutak Period)

Room 12 Mezzanine

•Adult, male

Complete sacrum; 17 vertebrae; 14 ribs/rib fragments; complete sternum; complete left and incomplete right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 3 carpals; 8 metacarpals; complete left and right innominates; complete left and right femurs; complete right patella; complete left and right tibiae; complete left and right fibulae; 12 tarsals; 27 phalanges.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 27 intact teeth.

Comments: Included with the postcranial remains of Burial 53a are 2 first and second cervical vertebrae and 9 additional cervical vertebrae, 2 right tali, 2 right first and fifth metatarsals, a left first and fifth metatarsal, and 2 each right and left first metacarpals. The bones from the second individual are probably from 99.1/102 (Burial 53).

Catalog No. 99.1/104, Burial No. 54 (Ipiutak Period) (Table 47)

Room 12 Mezzanine

•Adult, probable female

Incomplete sacrum; 18 vertebrae; 6 ribs/rib fragments; incomplete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 14 metacarpals; complete left and incomplete right innominates; complete left and right femurs; complete left and right tibiae; incomplete left and complete right fibulae; 4 tarsals; 14 metacarpals/metatarsals; 7 phalanges.

Room 17 Mezzanine

•Adult, sex undetermined

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 10 intact and 8 loose teeth.

Table 47.
Associated Funerary Objects from Burial 54, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7685	unmodified stone	pyrite piece (Plate 47, Object 4)	complete
60.1/7686	chipped stone	7 large flakes, chert (5 gray, 2 black)	complete
60.1/7687	modified faunal remains	harpoon socket piece, antler, carved as animal head w/ nostrils, ears, & eyes (Plate 38, Object 3)	incomplete
60.1/7688	modified faunal remains	pin or wedge, ivory; golf-tee-shaped w/ flattened shaft; groove along 1 flattened face	complete
60.1/7689	modified faunal remains	"Handle, graving tool"; ivory (fossil?) carving; round w/ spindles & incised lines (Plate 43, Object 3)	complete
60.1/7690	modified faunal remains	"Perforated shaft fragment"; ivory fragment w/ perforated slot at unbroken end	incomplete
60.1/7692	modified faunal remains	2 needles, cataloged as 7692a (Plate 43, Object 1) & 7692b (Plate 43, Object 2)	missing
60.2/4065	modified faunal remains	ivory spoon	complete

Catalog No. 99.1/105, Burial No. 55 (Ipiutak Period)

Room 12 Mezzanine

•Adult, male

Complete sacrum; 24 vertebrae; 20 ribs/rib fragments; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 6 carpals; complete left and right femurs; complete left patella; complete left and right tibiae; complete left and right fibulae; 9 tarsals; 14 metacarpals/metatarsals; 13 phalanges.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 26 intact teeth.

Catalog No. 99.1/106, Burial No. 56 (Ipiutak Period) (Table 48)

Room 12 Mezzanine

•Infant, sex undetermined

Temporal fragment; incomplete left humerus; incomplete left and right femurs; incomplete, unsided tibia.

Table 48.
Associated Funerary Objects from Burial 56, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7693	chipped stone	"Adze blade"; chipped & ground chert	complete

Catalog No.	Material Class	Description	Condition
60.1/7694	modified faunal remains	ivory seal carving; "D" cross section; engraved lines, perforated slots (2) on rounded face; mouth w/ engraved teeth	complete
60.1/7695	modified faunal remains	ivory seal carving; "D" cross section; perforated slots (2) on rounded face; engraved lines on both faces	complete
60.1/7696	modified faunal remains	"Fragment slotted shaft"; antler section w/ perforated slot; partially hollowed	incomplete

Catalog No. 99.1/107, Burial No. 59 (Ipiutak Period)

Room 12 Mezzanine

•Adult, female

Incomplete sacrum; 23 vertebrae; 17 ribs/rib fragments; incomplete left and right scapulae; incomplete left and right clavicles; complete left and right humeri; complete left and incomplete right ulnae; incomplete left and right radii; 10 metacarpals; incomplete left and right innominates; complete right femur; incomplete left and complete right patellae; complete left and right tibiae; incomplete left and right fibulae; 7 tarsals; 4 metatarsals; 7 phalanges.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; incomplete facial bones; incomplete mandible; 7 intact teeth.

Catalog No. 99.1/108, Burial No. 60 (Ipiutak Period) (Table 49)

Room 17 Mezzanine

•Subadult, sex undetermined

Incomplete cranial vault; incomplete cranial base; complete facial bones; complete mandible; 21 intact and 2 loose teeth.

Table 49.
Associated Funerary Objects from Burial 60, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7697	modified stone	"Jet animal head"; small black carving w/ eye & ear holes (Plate 52, Object 15)	complete
60.1/7698	modified faunal remains	"Perforated pendant (?)"; wide, thin strip of antler w/ perforated slots at each end	incomplete
60.1/7699	modified faunal remains	"Perforated pendant (?)" shoehorn-shaped ivory piece w/ 2 close-set, perforated holes	complete
60.1/7700	modified faunal remains	antler object, unknown function; mushroom shaped (Plate 75, Object 7)	incomplete

Catalog No. 99.1/109, Burial No. 61 (Ipiutak Period) (Table 50)

Room 12 Mezzanine

•Adult, male

Complete sacrum; 24 vertebrae; ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; incomplete left and complete right humeri; complete left and incomplete right ulnae; 4 carpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 7 tarsals; 12 metacarpals/metatarsals; 7 phalanges.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; incomplete cranial base; complete facial bones; complete mandible; 12 intact teeth.

Table 50.
Associated Funerary Objects from Burial 61, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7701	modified faunal remains	"Ivory mouth cover—lay over throat of skeleton 61-a (probably slipped down)"; perforated slit for mouth, perforated slots at each end, holes above & below slit; curvilinear engraving	complete
60.1/7704	modified faunal remains	ivory carving; "Pi"-shaped w/ 2 basal tangs & 2 faces carved on top crosspiece (Plate 52, Figure 4)	complete

Catalog No. 99.1/110, Burial No. 61a (Ipiutak Period)

Room 12 Mezzanine

•Adult, male

Incomplete sacrum; 24 vertebrae; 24 ribs/rib fragments; complete left and right scapulae; incomplete right clavicles; complete left and right humeri; incomplete left and right ulnae; incomplete left and right radii; incomplete left and right innominates; incomplete left and right femurs; incomplete left and right tibiae; incomplete left and right fibulae; 5 tarsals; 14 metacarpals/metatarsals; 7 phalanges.

Room 17 Mezzanine

•Adult, sex undetermined

Incomplete cranial vault; incomplete cranial base; incomplete mandible; 6 intact teeth.

Catalog No. 99.1/111, Burial No. 61b (Ipiutak Period) (Table 51)

Room 12 Mezzanine

•Adult, female

Incomplete sacrum; 24 vertebrae; 24 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 4 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left patella; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 15 phalanges.
Comments: These remains include a distal fragment of a right femur, probably from 99.1/110 (Burial 61a).

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 22 intact teeth.

Table 51.
Associated Funerary Objects from Burial 61B, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7702	modified faunal remains	1 decorated (incised) ivory band, perforated twice at each end, very elaborate; perforated also 9 times across 1 edge (Figure 38b & Plate 51, Object 5)	complete
60.1/7703	modified faunal remains	1 decorated (incised) ivory band, perforated twice at each end; very elaborate (Figure 38a & Plate 51, Object 6)	complete
60.1/7705	modified faunal remains	"Arrow point—(antler) lay one foot to the right of feet of skeleton 61-c [*sic*]"; end slot & 4 longitudinal grooves	complete

Catalog No. 99.1/112, Burial No. 62 (Undetermined Period)

Room 12 Mezzanine

•Subadult, probable female

Incomplete sacrum; 21 ribs/rib fragments; incomplete left and right scapulae; complete left and right clavicles; complete left and incomplete right humeri; incomplete left and right ulnae; incomplete left and complete right radii; 4 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae; 3 tarsals.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 21 intact teeth.

Catalog No. 99.1/113, Burial No. 65 (Ipiutak Period) (Table 52)

Room 12 Mezzanine

•Probable adult, sex undetermined

Complete left humerus; unidentified long-bone fragment.

Table 52.
Associated Funerary Objects from Burial 65, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7715	chipped stone	"5 Arrow points"; 5 end blade insets, each ~3.5 cm long (Plate 35, Object 34)	complete
60.1/7716	chipped stone	"1 Knife blade"; leaf-shaped point w/ broken base	incomplete
60.1/7717	modified faunal remains	"18 Arrow heads"; lot of 18 arrowheads (side slot & end slot types)	incomplete
60.1/7718	modified faunal remains	"Spiral twisted object"; teardrop-shaped opening 1 end, spiral slot running 3/4 length of object	complete

Catalog No.	Material Class	Description	Condition
60.1/7719	modified faunal remains	"Flat shaft with loops"; perforated w/ slot at 1 end, other end has 3 in-line holes (Plate 51, Figure 2)	incomplete, mended
60.1/7720	modified faunal remains	"1 Perforated point"; flat cross section, pointed at 1 end w/ oval perforation approximately at 2/3 point of shaft; incised lines run length of shaft	incomplete
60.1/7722	modified faunal remains	"1 Unidentified fragment"; beak-shaped w/ hollowed underside; edges of hollow are notched; antler	incomplete
60.1/7723	modified faunal remains	"1 Unidentified shaft"; flattened ivory shaft, split at 1 end	incomplete
60.1/7724	modified faunal remains	"1 Unidentified shaft ? (part of looped object)"; oval cross section, possibly part of a link; ivory	incomplete
60.1/7726	modified faunal remains	"1 Fragment of bone bird tube"	incomplete
60.1/7727	modified faunal remains	"1 Carved animal head"; crudely formed, deteriorated; eye holes & mouth opening	incomplete
60.1/7728	modified faunal remains	"1 Carved animal head"; irregularly shaped piece of antler	incomplete
60.1/7729	modified faunal remains	"1 Carved animal head"; appears to be fish effigy	incomplete
60.1/7730	modified faunal remains	"1 Unidentified point"; arrowhead shaft	incomplete

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Catalog No. 99.1/160, Burial No. 67 (Ipiutak Period)

Room 12 Mezzanine

•Adult, female

Incomplete sacrum; 24 vertebrae; 8 ribs/rib fragments; incomplete left and right scapulae; complete left and right clavicles; complete left and incomplete right humeri; incomplete left and right ulnae; incomplete left and right radii; 7 carpals; 10 metacarpals; incomplete left and right innominates; complete left and right femurs; incomplete left and right patellae; complete left and right tibiae; incomplete left and complete right fibulae; 5 tarsals; 10 metatarsals; 12 phalanges.

Room 17 Mezzanine

•Adult, probable female

Incomplete cranial vault; incomplete cranial base; incomplete facial bones; complete mandible.

Catalog No. 99.1/161, Burial No. 68 (Ipiutak Period)

Room 12 Mezzanine

•Adult, probable male

Incomplete sternum; 24 vertebrae; 23 ribs/rib fragments; incomplete left and right scapulae; incomplete left and right clavicles; complete left and right humerus; complete left and right ulnae; complete left and right radii; 13 carpals; incomplete left and complete right innominates; complete left and right femurs; incomplete left and right patellae; complete left and right tibiae; complete left and right fibulae; 1 tarsal; 11 metacarpals/metatarsals; 15 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 29 intact teeth.

Catalog No. 99.1/162, Burial No. 69 (Ipiutak Period) (Table 53)

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete left and right scapulae; 24 vertebrae; 4 ribs/rib fragments; complete left and right clavicles; incomplete left and complete right humeri; incomplete left and right ulnae; incomplete left and right radii; incomplete left and right innominates; complete left and right femurs; incomplete left and right tibiae; incomplete left and right fibulae; 5 metacarpals/metatarsals.

Comments: An antler artifact of unknown function that has a spatulate end is included with the human skeletal remains.

Room 17 Mezzanine

•Subadult, sex undetermined

Incomplete mandible; 1 intact and 12 loose teeth.

Table 53.
Associated Funerary Object from Burial 69, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4795	modified faunal remains	snow shovel, whalebone	incomplete

Catalog No. 99.1/163, Burial No. 75 (Ipiutak Period)

Room 12 Mezzanine

•Adult, probable male

Complete sacrum; 24 vertebrae; 23 ribs/rib fragments; complete left and right scapulae; complete left and right clavicles; incomplete left and complete right humeri; complete left and right ulnae; incomplete left and right radii; 10 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 23 phalanges.

Room 17 Mezzanine

•Adult, probable female

Incomplete cranial vault; complete cranial base; complete facial bones; complete mandible; 26 intact teeth.

Catalog No. 99.1/164, Burial No. 73 (Ipiutak Period)

Room 12 Mezzanine

•Adult, sex undetermined

Incomplete right scapula; 4 vertebrae; incomplete left and right clavicles; incomplete left humerus; incomplete right ulnae; 5 metacarpals; incomplete left femur; incomplete left and right tibiae; incomplete left and right fibulae; 1 tarsal; 4 metatarsals; 5 phalanges.

Comments: This catalog number includes the human skeletal remains of at least 3 individuals. In addition to the bones inventoried above, the following are also present: 1 clavicle; 2 right ulna shafts, and 2 incomplete tibia shafts.

Catalog No. 99.1/165, Burial No. 76 (Ipiutak Period)

Room 12 Mezzanine

•Adult, male

Complete sacrum; 21 vertebrae; 7 ribs/rib fragments; incomplete sternum; incomplete right scapula; incomplete left and right clavicles; complete left and right humeri; complete left and right ulnae; 7 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae; 9 tarsals; 9 metatarsals; 11 phalanges.

Room 17 Mezzanine

•Adult, probable male

Incomplete cranial vault; complete cranial base; incomplete facial bones; complete mandible; 1 loose and 23 intact teeth.

Catalog No. 99.1/166, Burial No. 77a (Ipiutak Period)

Room 12 Mezzanine

•Adult, male

Complete sacrum; 24 vertebrae; 20 ribs/rib fragments; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 11 carpals; 9 metacarpals; complete left and right innominates; complete left and right femurs; complete right patella; complete left and right tibiae; complete left and right fibulae; 4 tarsals; 4 metatarsals; 19 phalanges.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 31 intact teeth.

Catalog No. 99.1/167, Burial No. 77c (Ipiutak Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Complete left and right scapulae; 20 vertebrae; 17 ribs/rib fragments; complete left and right clavicles; complete right humerus; complete right ulna; complete left and right radii; complete left and right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae; 2 tarsals; 5 metacarpals/metatarsals.

Room 17 Mezzanine

•Subadult, sex undetermined

Incomplete cranial vault; incomplete cranial base; incomplete facial bones; complete mandible; 2 loose and 17 intact teeth.

Catalog No. 99.1/168, Burial No. 77b (Ipiutak Period)

Room 12 Mezzanine

•Adult, female

Incomplete sacrum; 29 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; incomplete left and complete right humeri; complete left and incomplete right ulnae; complete left and right radii; 9 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete right patella; complete left and right tibiae; complete left and incomplete right fibulae; 11 tarsals; 10 metatarsals; 21 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 30 intact teeth.

Catalog No. 99.1/169, Burial No. 78 (Ipiutak Period)

Room 12 Mezzanine

•Adult, female

Incomplete sacrum; 17 vertebrae; incomplete left and right scapulae; complete right clavicle; complete left and right humeri; complete left and right ulnae; complete left and right radii; 3 carpals; 5 metacarpals; complete left and incomplete right innominates; complete left and right femurs; incomplete left and right tibiae; 13 tarsals; 8 metatarsals; 11 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 26 intact teeth.

Catalog No. 99.1/170, Burial No. 79 (Ipiutak Period)

Room 12 Mezzanine

•Adult, sex undetermined

Incomplete left and complete right femurs; 1 vertebra; complete left tibia; incomplete, unsided fibula.

Catalog No. 99.1/171, Burial No. n/a (Ipiutak Period)

Room 12 Mezzanine

•Adult, sex undetermined

Complete sacrum; complete right radius; complete left femur; complete left tibia.

Catalog No. 99.1/172, Burial No. 82 (Undetermined Period)

Room 12 Mezzanine

•Adult, female

Incomplete sacrum; 24 vertebrae; 5 ribs/rib fragments; incomplete sternum; incomplete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 9 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; incomplete left and right tibiae; incomplete right fibula; 13 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; incomplete cranial base; complete facial bones; complete mandible; 1 loose and 15 intact teeth.

Catalog No. 99.1/173, Burial No. 83 (Norton Period)

Room 12 Mezzanine

•Adult, probable female

Incomplete right scapula; 11 vertebrae; incomplete left humerus; incomplete left and complete right ulnae; incomplete right radius; 3 carpals; 3 metacarpals; incomplete right innominate; incomplete left and complete right femurs; complete left patella; complete left and incomplete right tibiae; incomplete left and right fibulae; 7 tarsals; 2 metatarsals; 9 phalanges.

Comments: 2 individuals present; included in the above are 2 right tali, 2 right second cuneiforms, and 2 left naviculars.

Room 17 Mezzanine

•Adult, probable female

Complete mandible.

•Adult, probable male

Complete cranial vault; incomplete cranial base; incomplete facial bones; complete mandible; 13 intact and 2 loose teeth.

Catalog No. 99.1/174, Burial No. 84 (Norton Period) (Table 54)

Room 12 Mezzanine

•Adult, sex undetermined

Complete left humerus; 1 loose tooth; 4 vertebrae; 1 rib/rib fragment; complete right patella; complete right tibia; complete right fibula; 10 tarsals; 8 metacarpals/metatarsals; 1 phalange.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; 1 intact tooth.

Table 54.
Associated Funerary Objects from Burial 84, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4393	modified faunal remains	"Antler attachment, 2 lashing slots"; L-shaped fragment; near-Ipiutak	incomplete
60.2/4394	modified faunal remains	"Adze head"; antler section w/ socket for blade & lashing slot; fragment	incomplete
60.2/4796	unmodified faunal remains	"Fragment of bone or ivory, unworked"	complete

Catalog No. 99.1/175, Burial No. n/a (Ipiutak Period)

Room 17 Mezzanine

•Adult, probable female

Incomplete cranial vault; incomplete cranial base; complete facial bones; 8 intact teeth.

Catalog No. 99.1/176, Burial No. 85a (Norton Period)

Room 12 Mezzanine

•Subadult, sex undetermined
Incomplete sacrum; 15 vertebrae; 14 ribs/rib fragments; complete sternum; complete left scapula; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; incomplete right radius; 3 carpals; incomplete left and right innominates; incomplete left and right femurs; complete right patella; incomplete left and right tibiae; 4 tarsals; 12 metacarpal/metatarsals; 9 phalanges.

•Subadult, sex undetermined
Complete left and right scapulae; 17 vertebrae; 4 ribs/rib fragments; complete left and right clavicles; complete right ulnae; complete left and right radii; incomplete left and right innominates; complete left femur; complete right patella; complete left and right tibiae; complete left and right fibulae; 8 metacarpals/metatarsals.

Room 17 Mezzanine

•Subadult, probable female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 4 loose and 9 intact teeth.

•Age undetermined, sex undetermined
Incomplete cranial base.

Catalog No. 99.1/177, Burial No. n/a (Ipiutak Period)

Room 12 Mezzanine

•Adult, sex undetermined
Complete right ulna; 2 vertebrae; complete left and right femurs; complete left and right tibiae; complete left and right fibulae; 5 tarsals; 9 metatarsals; 2 phalanges.

•Adult, sex undetermined
Complete left and right femurs; complete right tibia; complete right fibulae.

Catalog No. 99.1/178, Burial No. n/a (Ipiutak Period)

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones.

Catalog No. 99.1/179, Burial No. 88 (Undetermined Period)

Room 12 Mezzanine

•Adult, male
Incomplete sacrum; 24 vertebrae; 9 ribs/rib fragments; incomplete left and right scapulae; complete left and right clavicles; incomplete left and complete right humeri; complete left and right ulnae; complete left and right radii; 4 carpals; 10 metacarpals; incomplete left and right innominates; complete left and right femurs; complete left patella; complete left and right tibiae; complete left and incomplete right fibulae; 7 tarsals; 10 metatarsals; 10 phalanges.

Room 17 Mezzanine

•Adult, probable female
Incomplete cranial vault; incomplete cranial base; incomplete facial bones; complete mandible; 4 loose and 19 intact teeth.

Catalog No. 99.1/180, Burial No. 89a (Ipiutak Period)

Room 12 Mezzanine

•Adult, female
Incomplete left and right scapulae; 19 vertebrae; 21 ribs/rib fragments; complete left and right clavicles; incomplete left and right humeri; incomplete left ulna; incomplete left and complete right radii; 4 metacarpals; incomplete left and right innominates; complete left femur; incomplete left and right tibiae; incomplete unsided fibula; 2 tarsals; 3 metatarsals; 5 phalanges.

Room 17 Mezzanine

•Adult, probable female
Incomplete cranial vault; complete cranial base; complete facial bones; incomplete mandible; 10 intact teeth.
Comments: Included with the cranial remains are 14 animal teeth.

Catalog No. 99.1/181, Burial No. 89b (Ipiutak Period)

Room 12 Mezzanine

•Adult, male
Incomplete sacrum; 24 vertebrae; 18 ribs/rib fragments; complete left scapula; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 5 carpals; 8 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 8 tarsals; 7 metatarsals; 16 phalanges.
Comments: 1 animal bone present.

Room 17 Mezzanine

•Adult, probable male
Incomplete cranial vault; complete cranial base; complete facial bones; complete mandible; 19 intact teeth.
Comments: Included with the cranial remains is a sternum with an embedded projectile point.

Catalog No. 99.1/182, Burial No. n/a (Ipiutak Period)

Room 12 Mezzanine: 4 12

•Adult, female
Incomplete sacrum; 3 vertebrae; 2 ribs/rib fragments; incomplete sternum; incomplete left clavicle; complete right radius; 1 metacarpal; incomplete left and right innominates; complete left and right femurs; complete left and right tibiae; 1 metatarsal.

Room 17 Mezzanine

•Adult, probable male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 2 loose and 15 intact teeth.

Catalog No. 99.1/183, Burial No. 86 (Norton Period)

Room 12 Mezzanine

•Adult, probable male
Incomplete sacrum; 12 vertebrae; 22 ribs/rib fragments; complete sternum; complete left and right clavicles; complete left and right ulnae; complete left and right radii; 4 carpals; 9 metacarpals; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left fibula; 12 tarsals; 10 metatarsals; 20 phalanges.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; incomplete cranial base; incomplete facial bones.

Catalog No. 99.1/184, Burial No. 86a (Norton Period)

•Infant, sex undetermined
Complete cranium; incomplete mandible; 2 vertebrae; 6 ribs/rib fragments; incomplete right scapula; complete left and right humeri; incomplete right innominate; complete right femur; complete left and right tibiae; malleus, stapes, incus.

•Infant, sex undetermined
Complete right femur.

Catalog No. 99.1/185, Burial No. 90 (Undetermined Period) (Table 55)

Room 12 Mezzanine

•Subadult, probable female
Complete sacrum; 8 vertebrae; 3 ribs/rib fragments; complete left scapula; complete left and right clavicles; incomplete left humerus; 1 carpal; 2 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right tibiae; complete, unsided fibula; 2 tarsals; 1 metatarsal; 3 phalanges.

Room 17 Mezzanine

•Adult, probable female
Incomplete cranial vault; incomplete facial bones; complete mandible; 2 loose and 4 intact teeth.

Table 55.
Associated Funerary Objects from Burial 90, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/3919	modified faunal remains	arrowhead w/ 2 alternating side slots	complete
60.2/3920	composite	arrowhead w/ 1 side blade in place (Plate 32, Object 10)	complete
60.2/3921	modified faunal remains	arrowhead w/ 1 side slot	complete
60.2/3922	modified faunal remains	arrowhead w/ 1 side slot	complete
60.2/3923	composite	arrowhead w/ end blade in place (Plate 32, Object 14)	complete
60.2/3924	composite	arrowhead w/ end blade in place	complete
60.2/3925	composite	arrowhead w/ end slot, blade in place	complete
60.2/3926	composite	arrowhead w/ end slot; end blade fragment in place	incomplete

Catalog No.	Material Class	Description	Condition
60.2/3927	modified faunal remains	arrowhead w/ end slot	complete
60.2/3928	modified faunal remains	arrowhead w/ end slot	incomplete
60.2/3929	modified faunal remains	arrowhead w/ end slot	complete
60.2/3930	modified faunal remains	arrowhead w/ end blade slot	complete
60.2/3931	modified faunal remains	arrowhead w/ end slot	incomplete
60.2/3932	modified faunal remains	arrowhead w/ end blade slot (broken)	incomplete
60.2/3933	composite	"Arrowhead with end blade and side barbs"; blade attached (Plate 33, Object 11)	complete
60.2/3934	chipped stone	side inset blade	complete
60.2/3935	chipped stone	side inset blade	complete
60.2/3936	chipped stone	side inset blade	complete
60.2/3937	modified faunal remains	flaker point, antler	complete
60.2/3938	chipped stone	flint flake	complete
60.2/3939	modified faunal remains	"Labret, large, ivory and jet"; 2 pieces: smaller ivory oval with flange edge; 2 holes in center match 2 holes in back of larger jet oval; face of jet oval is convex w/ 1 groove lengthwise (Plate 48, Object 11)	incomplete
60.2/3940	modified faunal remains	part of labret, ivory, w/ flanged edge & 2 holes (Plate 48, Object 15)	complete
60.2/3941	modified faunal remains	"Ivory implement, use uncertain"	incomplete
60.2/3942	modified faunal remains	"Ivory implement, use uncertain"; pointed half cylinder	incomplete
60.2/3943	modified faunal remains	arrowhead fragment w/ side slot	incomplete
60.2/3944	unmodified faunal remains	animal bone	complete
60.2/3945	unmodified faunal remains	"Animal skull"; skull of medium-sized mammal	incomplete
60.2/3946	unmodified faunal remains	animal skull, partial; large, carnivorous mammal	incomplete
60.2/3947	unmodified faunal remains	animal-skull fragment, matches 60.2/3946	incomplete

Catalog No. 99.1/186, Burial No. 98 (Ipiutak Period)

Room 12 Mezzanine

•Adult, probable male

Incomplete left and complete right femurs; incomplete left and right fibulae.

Catalog No. 99.1/187, Burial No. 99 (Ipiutak Period)

Room 12 Mezzanine

•Age undetermined, sex undetermined

Incomplete right humerus; 3 vertebrae; incomplete right radius; 1 phalange.

Catalog No. 99.1/188, Burial No. 102 (Undetermined Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete right clavicle; 6 vertebrae; 2 ribs/rib fragments; incomplete left and right humeri; incomplete right innominate; complete left and incomplete right femurs; incomplete left and right tibiae; incomplete, unsided fibula.

Room 17 Mezzanine

•Subadult, probable female

Complete mandible; 5 loose and 6 intact teeth.

Catalog No. 99.1/189, Burial No. 105 (Ipiutak Period)

Room 12 Mezzanine

•Age undetermined, sex undetermined

Complete sternum; 1 vertebra; incomplete right clavicle; incomplete right humerus; incomplete right radius.

Room 17 Mezzanine

•Adult, sex undetermined

Incomplete mandible.

Catalog No. 99.1/190, Burial No. n/a (Ipiutak Period; "Washout 100' beyond #104")

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete left and right humeri; 2 vertebrae; incomplete left ulna; complete left and right innominates.

Room 17 Mezzanine

•Subadult, probable female

Complete cranial vault; complete cranial base; complete facial bones; 1 loose and 5 intact teeth.

Catalog No. 99.1/191, Burial No. n/a (Ipiutak Period; "Washout 5–600' beyond #107")

Room 12 Mezzanine

•Adult, female

Complete sacrum; 17 vertebrae; 3 ribs/rib fragments; incomplete left and complete right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 6 metacarpals; complete right innominate; complete left and right femurs; incomplete left tibia; incomplete, unsided fibula; 1 metatarsal; 5 phalanges.

Room 17 Mezzanine

•Adult, female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 3 intact and 4 loose teeth.

Catalog No. 99.1/192, Burial No. 103a (Ipiutak Period) (Table 56)

Room 12 Mezzanine

•Adult, male

Complete sacrum; 14 vertebrae; 8 ribs/rib fragments; incomplete right scapula; incomplete right radius; incomplete left innominate; incomplete right femur.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 28 intact teeth.

Catalog No. 99.1/193, Burial No. 103b (Ipiutak Period) (see Table 56)

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete sternum; 22 vertebrae; 23 ribs/rib fragments; incomplete left and complete right scapulae; complete left and right clavicles; incomplete left and right humeri; incomplete left ulna; incomplete left radius; 1 carpal; 1 metacarpal; incomplete right innominate; incomplete right femur.

Room 17 Mezzanine

•Subadult, probable female

Incomplete cranial vault; complete cranial base; complete facial bones; complete mandible; 28 intact teeth.

Table 56.
Associated Funerary Objects from Burial 103, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4283	modified faunal remains	"Arrowhead, slots at both ends" (Plate 82, Object 9)	complete
60.2/4284	chipped stone	"Arrowpoint, silicified slate" (Plate 82, Object 10)	complete
60.2/4285	chipped stone	"Side scraper, flint"; flake w/ 1 retouched edge (Plate 82, Object 11)	complete
60.2/4287	modified faunal remains	"Bone flaker point" (Plate 82, Object 13)	complete
60.2/4288	modified faunal remains	"Antler implement, bodkin?"; central perforated hole, point broken (Plate 82, Object 14)	incomplete
60.2/4289	chipped stone	"Flint blade, retouched both surfaces"; large leaf-shaped blade (Plate 82, Object 15)	incomplete
60.2/4290	modified faunal remains	"Ivory mattock blade"; 2 wide notches for hafting (Plate 82, Object 16)	complete
60.2/4291	ground stone	"Stone lamp"; large hollowed stone (Plate 82, Object 17)	incomplete
60.2/4797	chipped stone	"Arrowpoint, end blade, fragmentary"; basal fragment	incomplete
60.2/4798	chipped stone	"Stem of arrow or spear point"	incomplete
60.2/4799	chipped stone	"Chipped blade, fragmentary"; point of bifacially worked blade	incomplete
60.2/4800	chipped stone	"Chipped core, fragmentary"	incomplete

Catalog No.	Material Class	Description	Condition
60.2/4801	chipped stone	"Unworked flakes"; flakes, gray chert	complete
60.2/4802	chipped stone	"Fragments of flakes, worked"; 1 large fragment	complete
60.2/4803	chipped stone	"Side scraper"; flake w/ 1 worked edge	complete
60.2/4804	modified faunal remains	"Cut ivory"; ivory piece, arrow-shaped, w/ 1 fin missing	incomplete
60.2/4805	modified faunal remains	"Worked ivory, harpoon foreshaft?" shaft of ivory, flattened at 1 end, the other pointed	incomplete
60.2/4806	modified faunal remains	section of worked antler	incomplete
60.2/4807	modified faunal remains	"Ivory, worked walrus tusk"; section of longitudinally split tusk	complete

Catalog No. 99.1/194, Burial No. 108 (Ipiutak Period)

Room 12 Mezzanine

•Adult, probable male

Incomplete sacrum; 15 vertebrae; 17 ribs/rib fragments; incomplete left and right clavicles; incomplete left and right humeri; incomplete left and right ulnae; incomplete left and right radii; incomplete left and right innominates; incomplete left and right femurs; incomplete left and right tibiae; incomplete left and right fibulae; 4 tarsals.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; incomplete cranial base; complete facial bones; complete mandible; 25 intact and 2 loose teeth.

Comments: Included with the cranial remains is a first cervical vertebra.

Catalog No. 99.1/195, Burial No. 111 (Ipiutak Period)

Room 12 Mezzanine

•Subadult, male

Incomplete sacrum; 9 vertebrae; incomplete left scapula; incomplete left and right clavicles; incomplete left and right humeri; incomplete left and right ulnae; incomplete left and right radii; 1 carpal; 4 metacarpals; incomplete left and right innominates; incomplete left and right femurs; incomplete left and right tibiae; incomplete, unsided fibula; 1 tarsal; 6 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete mandible; 1 loose and 11 intact teeth.

Catalog No. 99.1/196, Burial No. 114 (Ipiutak Period)

Room 12 Mezzanine

•Adult, male

Incomplete sacrum; 24 vertebrae; 19 ribs/rib fragments; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 12 carpals; 10 metacarpals; incomplete left and right innominates; complete left and right femurs; complete left and right patellae; complete right tibia; complete left and right fibulae; 15 tarsals; 10 metatarsals; 30 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 30 intact teeth.

Catalog No. 99.1/197, Burial No. 117 (Ipiutak Period) (Table 57)

Room 12 Mezzanine

•Adult, female

Incomplete sacrum; 24 vertebrae; 11 ribs/rib fragments; incomplete left and right scapulae; incomplete left clavicle; incomplete left and complete right ulnae; complete left and right radii; 4 metacarpals; complete left and incomplete right innominates; complete left and right femurs; complete left patella; complete left and right tibiae; complete left and incomplete right fibulae; 11 tarsals; 10 metatarsals; 13 phalanges.

Comments: 2 bird bones were stored with the human skeletal remains.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 29 intact teeth.

Table 57.
Associated Funerary Objects from Burial 117, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4280	chipped stone	"Dis coidal [*sic*] blade, chipped both faces" (Plate 46, Object 13)	complete
60.2/4281	modified faunal remains	"Whale bone, shovel"; whale rib section, handle w/ perforated hole; 4 perforated holes in square pattern in middle of blade (Plate 45, Object 6)	incomplete
60.2/4282	modified faunal remains	"Flaking hammer head" (Plate 43, Object 8)	complete

Catalog No. 99.1/198, Burial No. 118 (Ipiutak Period)

Room 12 Mezzanine

•Adult, female

Hyoid; complete sacrum; 24 vertebrae; 20 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and incomplete right humeri; complete left and right ulnae; complete left and right radii; 8 carpals; 9 metacarpals; complete left and incomplete right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 26 phalanges.

Room 17 Mezzanine

•Adult; probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 29 intact teeth.

Catalog No. 99.1/199, Burial No. 120 (Ipiutak Period)

Room 12 Mezzanine

•Adult; female

Hyoid; 24 vertebrae; complete sacrum; 19 ribs/rib fragments; incomplete left and complete right scapulae; incomplete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 9 carpals; 10 metacarpals; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 13 tarsals; 10 metatarsals; 22 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 21 intact teeth.

Catalog No. 99.1/200, Burial No. 121 (Ipiutak Period)

Room 12 Mezzanine

•Adult, female

Complete sacrum; 24 vertebrae; 19 ribs/rib fragments; complete sternum; complete left and incomplete right scapulae; complete left and right clavicles; complete left and right humeri; complete left and incomplete right ulnae; complete left and incomplete right radii; 11 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 5 metatarsals; 19 phalanges.

Room 17 Mezzanine

•Adult; probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 20 loose teeth.

Catalog No. 99.1/201, Burial No. 122 (Ipiutak Period)

Room 12 Mezzanine

•Subadult, probable female

Complete left and incomplete right scapulae; 24 vertebrae; 23 ribs/rib fragments; incomplete left and right clavicles; complete left and incomplete right humeri; incomplete left and right ulnae; incomplete left and right radii; 1 carpal; 6 metacarpals; incomplete left and right innominates; complete left and right femurs; incomplete, unsided patella; complete left and incomplete right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 11 phalanges.

Room 17 Mezzanine

•Adult; probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 7 intact and 23 loose teeth.

Catalog No. 99.1/202, Burial No. 125 (Tigara Period) (Table 58)

Room 12 Mezzanine

•Subadult, sex undetermined

Complete left clavicle; 1 vertebra; 9 ribs/rib fragments; 1 metacarpal; complete right tibia; 1 metatarsal.

Room 17 Mezzanine

•Subadult, probable female

Complete mandible; 2 intact and 6 loose teeth.

Table 58.
Associated Funerary Objects from Burial 125, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4395	modified faunal remains	projectile point, 1 barb, antler (Plate 93, Object 1)	complete
60.2/4396	modified faunal remains	projectile point, 1 barb, antler	complete
60.2/4397	modified faunal remains	projectile point, 1 barb, antler	incomplete
60.2/4398	modified faunal remains	projectile point, 1 barb, antler	complete
60.2/4399	modified faunal remains	projectile point, 1 barb, antler (Plate 93, Object 2)	complete
60.2/4400	modified faunal remains	point, antler/bone	complete
60.2/4401	modified faunal remains	projectile point, barbed, antler (Plate 93, Object 3)	incomplete
60.2/4402	modified faunal remains	carved object, conical shape, antler/bone (Plate 93, Object 4)	incomplete
60.2/4403	modified faunal remains	conical-shaped antler/bone piece	incomplete
60.2/4404	composite	"Flint flaker handle and point"; wood w/ groove for point (4404a) & flat bone point (4404b) (Plate 93, Object 6)	complete
60.2/4405	modified faunal remains	flat piece of worked antler/bone	incomplete
60.2/4406	modified faunal remains	"Knife handle" (Plate 93, Object 9)	incomplete
60.2/4407	modified faunal remains	"Harpoon, ice pick"; incised decorations (Plate 93, Object 11)	complete
60.2/4408	modified faunal remains	"Handle for blubber hook"; antler/bone (Plate 93, Object 14)	incomplete
60.2/4409	modified faunal remains	"Handle for drill cord, ends carved"; ivory rod w/ central hole & seal heads carved at each end (Plate 93, Object 15)	complete

Catalog No. 99.1/203, Burial No. 128 (Ipiutak Period)

Room 12 Mezzanine

•Adult, female

Complete sacrum; 20 vertebrae; 12 ribs/rib fragments; incomplete left and right scapulae; incomplete left and right clavicles; incomplete left and right humeri; complete left and right ulnae; complete left and right radii; 15 carpals; 10 metacarpals; incomplete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 32 phalanges.

Room 17 Mezzanine

•Adult, probable female

Incomplete cranial vault; complete mandible; 3 intact and 11 loose teeth.

Catalog No. 99.1/204, Burial No. 124 (Ipiutak Period)

Room 12 Mezzanine

•Adult, female

Hyoid; complete sacrum; 24 vertebrae; 15 ribs/rib fragments; complete left and incomplete right scapulae; incomplete left and complete right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 14 carpals; 9 metacarpals; complete left and right innominates; complete left and right femurs;

complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 13 tarsals; 10 metatarsals; 29 phalanges.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 23 intact and 2 loose teeth.

Catalog No. 99.1/205, Burial No. 127 (Ipiutak Period)

Room 12 Mezzanine

•Adult, male
Incomplete sacrum; 20 vertebrae; incomplete left and right scapulae; incomplete left and right clavicles; incomplete left and right humeri; complete left and right ulnae; incomplete left and right radii; 10 carpals; 10 metacarpals; incomplete left and right innominates; complete left and right femurs; incomplete left and right patellae; incomplete left and right tibiae; incomplete left and right fibulae; 8 tarsals; 6 metatarsals; 23 phalanges.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; incomplete facial bones; complete mandible; 12 loose teeth.

Catalog No. 99.1/206, Burial No. 129 (Ipiutak Period)

Room 12 Mezzanine

•Adult, sex undetermined
Incomplete left and right clavicles; incomplete left and right humeri; incomplete left and right ulnae; incomplete left and right radii; incomplete left and right femurs; incomplete left and right tibiae; 1 tarsal.

Room 17 Mezzanine

•Adult, probable female
Incomplete cranial vault; incomplete cranial base; complete facial bones; incomplete mandible; 1 intact and 12 loose teeth.

Catalog No. 99.1/207, Burial No. 119 (Ipiutak Period)

Room 12 Mezzanine

•Age undetermined, sex undetermined
Incomplete left and right humeri; 1 rib/rib fragment; incomplete left ulna; incomplete left radius; 2 carpals; 4 metacarpals; complete right femur.

Room 17 Mezzanine

•Adult, probable female
Incomplete mandible; 5 intact and 2 loose teeth.

Catalog No. 99.1/208, Burial No. 113 (Ipiutak Period)

Room 12 Mezzanine

•Adult, male

Maxillary fragment; incomplete mandible; 23 vertebrae; incomplete sacrum; 15 ribs/rib fragments; complete left and right scapulae; complete left and right clavicles; incomplete left and right humeri; incomplete left and right ulnae; incomplete left and right radii; 2 carpals; 4 metacarpals; incomplete left and complete right innominates; incomplete left and complete right femurs; incomplete left and right tibiae; complete left and incomplete right fibulae; 4 tarsals; 7 phalanges.

Room 17 Mezzanine

•Adult, probable female

Incomplete cranial vault; incomplete cranial base; incomplete facial bones; incomplete mandible; 4 intact and 17 loose teeth.

Catalog No. 99.1/209, Burial No. 116 (Ipiutak Period)

Room 12 Mezzanine

•Adult, sex undetermined

Incomplete sternum; 5 vertebrae; incomplete left and right scapulae; incomplete left and right clavicles; incomplete left and complete right humeri; incomplete left and right ulnae; incomplete left and right radii; incomplete left and right femurs; incomplete left and right tibiae; 2 tarsals.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 5 intact and 15 loose teeth.

Catalog No. 99.1/210, Burial No. 104 (Ipiutak Period) (Table 59)

Room 12 Mezzanine

•Commingled remains of 3 adults; 2 females, 1 male

Complete sternum; 14 vertebrae; 13 ribs/rib fragments; complete left, right and incomplete right scapulae; 2 complete right clavicles; complete left and 3 complete right humeri; complete left and 2 complete right ulnae; complete left and right radii; 2 carpals; 8 metacarpals; 2 incomplete left and 1 complete right innominates; complete left and right and incomplete right femurs; complete left patella; 2 complete and 1 incomplete left and 1 complete right tibiae; 1 complete and 1 incomplete left and 1 complete right fibulae; 11 tarsals; 3 metatarsals; 13 phalanges.

•Infant, sex undetermined

Complete left scapula; 23 ribs/rib fragments; incomplete, unsided ulna; incomplete left innominate; incomplete right femur; incomplete left tibia.

•Infant, sex undetermined

Incomplete right tibia.

Room 17 Mezzanine

•Adult, probable female

Complete mandible.

•Adult, probable male
Complete mandible.

Comments: Included with these human skeletal remains were the following that could not be linked to a specific individual: left maxillary fragment with 3 intact teeth, left and right temporal fragments, a frontal, fragments of 2 occipitals, and 3 miscellaneous fragments.

Table 59.
Associated Funerary Objects from Burial 104, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4292	modified faunal remains	"Ivory mattock blade"; large rectangle of ivory w/ wide notches for hafting (Plate 82, Object 1)	complete
60.2/4293	modified faunal remains	polar-bear carving, ivory, w/ exaggerated neck length (Plate 82, Object 2)	complete
60.2/4294	modified faunal remains	"Socketed arrowhead, Near Ipiutak, Type 3"; short shaft, socketed at 1 end, slot for end blade (Plate 82, Object 3)	incomplete
60.2/4295	chipped stone	"Flint scraper, convex-concave edges" (Plate 82, Object 4)	complete
60.2/4296	chipped stone	"Slate knife"; chipped edge, notch on back of blade (Plate 82, Object 5)	incomplete
60.2/4297	modified faunal remains	"Flint flaker handle, ivory"; grooved for flaker point & notched for hafting (Plate 82, Object 6)	complete
60.2/4298	modified faunal remains	"Marlin spike, bone"; curved long-bone segment, thinned on outside of curve to a flat, rounded point (Plate 82, Object 7)	complete
60.2/4299	modified faunal remains	unfinished harpoon head, ivory, w/ polar-bear carving (Plate 82, Object 8)	complete
60.2/4808	chipped stone	"Endscraper?, fragmentary"; bifacially worked piece w/ straight edge	incomplete
60.2/4809	chipped stone	"Graver or perforator, large flake with finely worked point"	complete
60.2/4810	chipped stone	"Flake blanks"; 2 pieces cataloged as 4810a & 4810b	complete
60.2/4811	chipped stone	7 unworked flakes, cataloged as 4811a–4811g	complete
60.2/4812	chipped stone	"Worked flake"	complete
60.2/4814	modified faunal remains	fragment of an ivory carving, bowl shaped w/ protruding remnant of loop	incomplete
60.2/4815	unmodified faunal remains	"Tusk, unowrked [*sic*]"; section of unworked antler	complete

Catalog No. 99.1/211, Burial No. 107a (Ipiutak Period)

Room 12 Mezzanine

•Adult, probable female

Sphenoid fragment; mandible fragment; 7 vertebrae; incomplete sacrum; incomplete left and complete right ulnae; incomplete left and complete right radii; 5 carpals; 2 metacarpals; incomplete left and right innominates; 1 metatarsal; 3 metacarpals/metatarsals; 6 phalanges.

Room 17 Mezzanine

•Adult, female
Complete cranial vault; incomplete cranial base; incomplete facial bones; incomplete mandible; 4 loose teeth.
Comments: Included with these cranial remains was a cervical vertebra fragment.

Catalog No. 99.1/212, Burial No. 107 (Ipiutak Period)

Room 12 Mezzanine

•Adult, sex undetermined
Incomplete left humerus; incomplete left and complete right ulnae; incomplete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 10 tarsals; 6 metatarsals; 3 phalanges.

Catalog No. 99.1/213, Burial No. 107 (Ipiutak Period)

Room 12 Mezzanine

•Adult, sex undetermined
Incomplete sternum; 11 vertebrae; 2 ribs/rib fragments; incomplete right scapula; incomplete left and right clavicles; incomplete left and right humeri; incomplete right ulna; complete right patella; complete left and incomplete right tibiae; incomplete left and right fibulae; 8 tarsals; 4 metatarsals.
Comments: Included with these human skeletal remains was 1 animal bone.

Catalog No. 99.1/214, Burial No. 107 (Ipiutak Period)

Room 12 Mezzanine

•Adult, sex undetermined
Complete right patella; 1 rib/rib fragment; 1 metacarpal; complete right tibia; complete right fibula; 6 tarsals; 2 metatarsals; 2 phalanges.

Catalog No. 99.1/215, Burial No. 107 (Ipiutak Period)

Room 12 Mezzanine

•Adult, male
Incomplete right scapula; incomplete left tibia; incomplete, unsided fibula; 1 tarsal; 1 metatarsal; 1 phalange.

•Subadult, sex undetermined
4 vertebrae; 2 tarsals.

Comments: Included with these human skeletal remains were 8 animal bones.

Catalog No. 99.1/216, Burial No. 107 (Ipiutak Period)

Room 12 Mezzanine

•Probable adult, sex undetermined
Incomplete right femur; incomplete left tibia.

Room 17 Mezzanine

•Adult, probable female
Complete mandible; 1 loose and 6 intact teeth.

Catalog No. 99.1/217, Burial No. 107 (Ipiutak Period)

Room 12 Mezzanine

•Adult, sex undetermined
Incomplete left clavicle; 5 vertebrae; 1 rib/rib fragment; incomplete left humerus; incomplete right ulna; incomplete right innominate; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 7 tarsals; 1 metatarsal; 5 phalanges.

•Adult, sex undetermined
Complete left and right tibiae.

Catalog No. 99.1/218, Burial No. 106 (Ipiutak Period) (Table 60)

Room 12 Mezzanine

•Age undetermined, sex undetermined
Incomplete left humerus; incomplete left femur; incomplete left and right tibiae; 1 tarsal.

Table 60.
Associated Funerary Objects from Burial 106, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4200	chipped stone	"Spatula-shaped implement"; unifacially worked flake, chert	complete
60.2/4217	composite	arrowhead w/ end blade, 2 barbs	complete
60.2/4218	composite	arrowhead w/ end slot (blade in place)	complete
60.2/4219	composite	arrowhead w/ end blade, 2 barbs	complete
60.2/4220	composite	arrowhead w/ end blade, 2 barbs	complete
60.2/4221	composite	arrowhead w/ end blade, 4 barbs	incomplete
60.2/4222	composite	arrowhead w/ end blade, 2 barbs	incomplete
60.2/4223	composite	arrowhead w/ 2 alternating barbs & end blade in place	complete
60.2/4224	composite	arrowhead w/ end blade, 2 barbs	complete
60.2/4225	composite	arrowhead w/ end blade, 2 barbs	complete
60.2/4226	composite	arrowhead w/ end blade, 2 barbs	complete
60.2/4227	composite	arrowhead w/ end blade, 3 barbs	incomplete
60.2/4228	composite	arrowhead w/ end blade, 4 barbs	incomplete

Catalog No.	Material Class	Description	Condition
60.2/4229	composite	arrowhead w/ end blade, 2 barbs	incomplete
60.2/4230	composite	arrowhead w/ end blade, 4 barbs	incomplete
60.2/4231	composite	arrowhead w/ end blade, 3 barbs	complete
60.2/4232	composite	arrowhead w/ end blade, 4 barbs	incomplete
60.2/4233	composite	arrowhead w/ end blade, 2 barbs	incomplete
60.2/4234	composite	arrowhead w/ end blade, 4 barbs	incomplete
60.2/4235	modified faunal remains	"Shovel blade, Type 2"; whalebone shovel blade w/ recess for handle & 6 hafting holes (Plate 45, Object 4)	complete
60.2/4236	composite	arrowhead, 2 side slots, both blades present (Plate 32, Object 5)	incomplete
60.2/4237	composite	"Arrowhead with two side blades"; blades in place (Plate 32, Object 7)	complete
60.2/4238	composite	arrowhead, 2 side slots, 1 blade present	complete
60.2/4239	composite	arrowhead, 2 side slots, 1 blade present	complete
60.2/4240	composite	arrowhead, 2 side slots, both blades present	incomplete
60.2/4241	composite	arrowhead, 2 side slots, 1 blade present	incomplete
60.2/4242	composite	arrowhead, 2 side slots, 1 blade present	complete
60.2/4243	modified faunal remains	arrowhead, 2 side slots	complete
60.2/4244	modified faunal remains	arrowhead, 2 side slots	complete
60.2/4245	modified faunal remains	arrowhead, 2 side slots	incomplete
60.2/4246	modified faunal remains	arrowhead, 2 side slots	complete
60.2/4247	modified faunal remains	arrowhead, 2 side slots	complete
60.2/4248	modified faunal remains	arrowhead, 2 side slots	incomplete
60.2/4249	modified faunal remains	arrowhead, 2 side slots	complete
60.2/4250	modified faunal remains	arrowhead shaft fragment	incomplete
60.2/4251	modified faunal remains	arrowhead, 2 side slots	incomplete
60.2/4252	composite	"Arrowhead with end blade and one side blade"	incomplete
60.2/4253	modified faunal remains	arrowhead shaft fragment	incomplete
60.2/4255	modified faunal remains	arrowhead shaft fragment	incomplete
60.2/4256	modified faunal remains	arrowhead shaft fragment	incomplete
60.2/4257	modified faunal remains	arrowhead shaft fragment	incomplete
60.2/4258	modified faunal remains	arrowhead shaft fragment	incomplete
60.2/4259	chipped stone	end blade, chert	complete
60.2/4260	chipped stone	end blade, chert	complete
60.2/4261	chipped stone	side blade, gray chert	complete
60.2/4262	chipped stone	side blade, gray chert	complete
60.2/4263	chipped stone	side blade, gray chert	complete
60.2/4264	chipped stone	side blade, gray chert	incomplete

Catalog No.	Material Class	Description	Condition
60.2/4265	chipped stone	side blade, gray chert	incomplete
60.2/4266	chipped stone	side blade, gray chert	incomplete
60.2/4267	chipped stone	"Discoidal blade, chipped both faces"	complete
60.2/4268	chipped stone	"Side scraper"; unifacially flaked	complete
60.2/4269	chipped stone	"Retouched flint flake"; large square flake, retouched along 1 edge (Plate 46, Object 32)	complete
60.2/4270	chipped stone	6 flint flakes, unworked, 4270a–4270f	complete
60.2/4271	modified faunal remains	"Ice pick"; curved segment, ivory, w/ pyramidal, polished point at 1 end, roughly pointed at other end	complete
60.2/4272	modified faunal remains	"Awl"; pointed fragment of faunal long bone, point damaged	incomplete
60.2/4273	modified faunal remains	"Openwork carving"; swivel-like object, ivory, w/ incised lines (Plate 59, Object 8)	complete
60.2/4274	modified faunal remains	"Openwork carving"; swivel, teardrop shaped w/ small hole at apex; incised decorations; ivory	complete
60.2/4275	modified faunal remains	"Openwork carving, fragmentary"; unidentifiable form	incomplete
60.2/4276	modified faunal remains	"Decorated swivel-like object" (Figure 32 & Plate 58, Object 9)	complete
60.2/4277	unmodified faunal remains	bird-long-bone shaft	incomplete
60.2/4278	unmodified faunal remains	"Piece of ivory"; section of tusk from near base	incomplete
60.2/4279	unmodified stone	"Piece of amber, unworked" (Plate 48, Object 8)	complete
60.2/4286	ceramic	"Potsherd, impressed decoration"	incomplete

Catalog No. 99.1/219, Burial No. 126 (Ipiutak Period)

Room 17 Mezzanine

•Subadult, sex undetermined

Incomplete cranial base; incomplete facial bones; incomplete mandible; 6 intact and 8 loose teeth.

Catalog No. 99.1/220, Burial No. 131 (Undetermined Period)

Room 12 Mezzanine

•Adult, probable male

Incomplete sacrum; 12 vertebrae; incomplete left and right scapulae; incomplete left and right clavicles; complete left and right humeri; incomplete left and complete right ulnae; incomplete left and complete right radii; 2 carpals; 6 metacarpals; incomplete right innominate; complete left and right femurs; incomplete left and complete right tibiae; complete right fibula; 4 tarsals; 2 metatarsals; 14 phalanges.

Room 17 Mezzanine

•Adult, female

Complete cranial vault; incomplete cranial base; incomplete facial bones; complete mandible; 6 intact and 17 loose teeth.

Catalog No. 99.1/221, Burial No. 132 (Undetermined Period)

Room 12 Mezzanine

•Infant, sex undetermined

Occipital fragments; 4 loose teeth; 10 vertebrae; 22 ribs/rib fragments; incomplete left and right scapulae; complete left clavicle; incomplete left and complete right humeri; incomplete left and complete right ulnae; complete left and right radii; complete left and right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae.

Room 17 Mezzanine

•Subadult, sex undetermined

Complete cranial vault; incomplete cranial base; complete facial bones; complete mandible; 15 intact and 2 loose teeth.

Catalog No. 99.1/222, Burial No. 140 (Tigara Period)

Room 12 Mezzanine

•Adult, female

Mandible fragment; 24 vertebrae; incomplete sacrum; 14 ribs/rib fragments; incomplete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 10 carpals; 9 metacarpals; incomplete left and complete right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete right fibula; 14 tarsals; 10 metatarsals; 19 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; incomplete facial bones; incomplete mandible; 10 intact and 6 loose teeth.

Catalog No. 99.1/223, Burial No. 151 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete sacrum; 24 vertebrae; 22 ribs/rib fragments; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left ulna; complete left and right radii; complete left and right innominates; complete left and right femurs; complete left patella; complete left and right tibiae; complete left and right fibulae; 2 tarsals.

Room 17 Mezzanine

•Subadult, probable female

Complete cranial vault; complete cranial base; incomplete facial bones; complete mandible; 2 intact and 25 loose teeth.

Catalog No. 99.1/224, Burial No. 167 (Tigara Period)

Room 12 Mezzanine

•Adult, male

Complete sacrum; 23 vertebrae; 24 ribs/rib fragments; incomplete sternum; incomplete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and incomplete right ulnae; complete

left and incomplete right radii; 10 carpals; 9 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 9 metatarsals; 12 phalanges.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 25 intact teeth.

Catalog No. 99.1/225, Burial No. 179 (Tigara Period)

Room 12 Mezzanine

•Adult, male
Incomplete sacrum; 24 vertebrae; 24 ribs/rib fragments; complete sternum; incomplete left and complete right clavicles; complete left and right humeri; incomplete left and complete right ulnae; complete left and right radii; 6 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 13 tarsals; 8 metatarsals; 16 phalanges.

Room 17 Mezzanine

•Adult, sex undetermined
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 24 intact teeth.

Catalog No. 99.1/226, Burial No. 143 (Tigara Period) (Table 61)

Room 12 Mezzanine

•Adult, sex undetermined
Incomplete sternum; 20 vertebrae; 23 ribs/rib fragments; complete left and incomplete right scapulae; complete left and right clavicles; complete left and right humeri; complete left patella; 5 tarsals; 2 phalanges.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 18 intact teeth.

Table 61.
Associated Funerary Objects from Burial 143, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4412	modified faunal remains	needle, ivory	complete
60.2/4413	modified faunal remains	needle case, ivory, w/ incised decorations	complete

Catalog No. 99.1/227, Burial No. 164 (Tigara Period)

Room 12 Mezzanine

•Subadult, probable male
Complete sacrum; 23 vertebrae; 23 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete right humerus; complete left and right ulnae; complete left and right radii; 11 carpals; 9 metacarpals; complete left and incomplete right innominates; complete left and right femurs;

complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 35 phalanges.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 30 intact teeth.

Catalog No. 99.1/228, Burial No. 159 (Tigara Period) (Table 62)

Room 12 Mezzanine

•Adult, male
Hyoid; 24 vertebrae; complete sacrum; 24 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left radius; 11 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete right patella; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 23 phalanges.

Room 17 Mezzanine

•Adult, probable male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 4 intact and 24 loose teeth.

Table 62.
Associated Funerary Object from Burial 159, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4417	modified faunal remains	"Flaking hammer head"; semicircle, ivory, w/ central hole	complete

Catalog No. 99.1/229, Burial No. 165 (Tigara Period)

Room 12 Mezzanine

•Adult, female
Incomplete sternum; 24 vertebrae; 13 ribs/rib fragments; incomplete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 10 carpals; 10 metacarpals; incomplete left and right innominates; complete left and right femurs; complete left patella; complete left and right tibiae; incomplete, unsided fibula; 7 tarsals; 6 metatarsals; 21 phalanges.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 5 intact and 21 loose teeth.

Catalog No. 99.1/230, Burial No. 171 (Birnirk Period) (Table 63)

Room 12 Mezzanine

•Adult, male
Complete left and incomplete right scapulae; 3 vertebrae; 6 ribs/rib fragments; complete left and incomplete right humeri; complete left and right ulnae; complete left and right radii; 13 carpals; 10 metacarpals; incomplete left innominate; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 13 tarsals; 10 metatarsals; 30 phalanges.

Comments: The left humerus, unlike the rest of these human skeletal remains, is shattered and weathered. It may be from a second individual.

Table 63.
Associated Funerary Objects from Burial 171, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4426	composite	harpoon head, ivory, w/ chert side blades (Plate 87, Object 1)	complete
60.2/4427	composite	harpoon head, ivory, w/ chert side blades	complete
60.2/4428	composite	harpoon head, ivory, w/ chert side blade	Incomplete
60.2/4429	modified faunal remains	projectile point, ivory (Plate 87, Object 6)	complete
60.2/4430	modified faunal remains	point, single barb, tang (Plate 87, Object 7)	complete
60.2/4431	modified faunal remains	bola weight, ivory (Plate 87, Object 10)	complete
60.2/4432	modified faunal remains	bola weight, ivory (Plate 87, Object 12)	complete
60.2/4433	modified faunal remains	60.2/4433a–60.2/4433j, 10 bola weights, ivory	complete
60.2/4434	modified faunal remains	bone dagger (Plate 87, Object 16)	complete
60.2/4435	modified faunal remains	worked rod, ivory	complete

Catalog No. 99.1/231, Burial No. 163 (Tigara Period)

Room 12 Mezzanine

•Adult, sex undetermined

Hyoid; 14 vertebrae; incomplete sacrum; 10 ribs/rib fragments; complete left scapula; incomplete left and complete right clavicles; incomplete left and complete right humeri; incomplete left and complete right ulnae; incomplete left and complete right radii; 8 carpals; 8 metacarpals; incomplete left and right innominates; complete right femur; complete left and right patellae; incomplete left and complete right tibiae; complete left and right fibulae; 13 tarsals; 10 metatarsals; 17 phalanges.

Comments: The remains of a second individual are represented by a left calcaneus.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; 2 intact teeth.

Catalog No. 99.1/231A, Burial No. 163 (Tigara Period)

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; incomplete mandible; 2 loose teeth.

Catalog No. 99.1/232, Burial No. 162 (Tigara Period) (Table 64)

Room 12 Mezzanine

•Adult, female

Incomplete sacrum; 25 vertebrae; 24 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and incomplete right ulnae; complete left and right radii; 4 carpals; 8 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right fibulae; 12 tarsals; 10 metatarsals; 25 phalanges.
Comments: The individual has 8 cervical vertebrae, which accounts for the additional vertebra (i.e., 25 instead of 24).

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 7 intact teeth.

Table 64.
Associated Funerary Objects from Burial 162, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4418	modified faunal remains	animal tooth pendant (Plate 92, Object 4)	complete
60.2/4419	modified faunal remains	"Ivory attachment for needlecase"; antler-shaped piece w/ suspension hole (Plate 92, Object 11)	complete
60.2/4420	modified faunal remains	"Ivory attachment for needle case"; rectangular w/ triangular cutouts (Plate 92, Object 12)	complete
60.2/4421	modified faunal remains	"Bodkin, decorated"; ivory (Plate 92, Object 15)	complete
60.2/4422	modified faunal remains	"Bodkin, decorated"; ivory w/ incised decorations (Plate 92, Object 16)	complete
60.2/4423	modified faunal remains	"Ivory pendant?, decorated"; incised w/ bird motif, stylized bird-head shape (Plate 92, Object 21)	complete

Catalog No. 99.1/233, Burial No. 161 (Tigara Period)

Room 12 Mezzanine

•Adult, male
Hyoid; incomplete sacrum; 18 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 14 carpals; 9 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 32 phalanges.

Room 17 Mezzanine

•Adult, probable male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 26 intact teeth.

Catalog No. 99.1/234, Burial No. 148 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male
Complete sacrum; 24 vertebrae; 13 ribs/rib fragments; incomplete sternum; incomplete left and complete right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; incomplete left and complete right radii; 11 carpals; incomplete left and complete right innominates; complete left and right

femurs; complete right patella; complete left and right tibiae; complete left and right fibulae; 12 tarsals; 49 metacarpals/ metatarsals/ phalanges.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 18 intact teeth.

Catalog No. 99.1/235, Burial No. 156 (Tigara Period)

Room 12 Mezzanine

•Adult, male
Incomplete sacrum; 24 vertebrae; 14 ribs/rib fragments; incomplete sternum; incomplete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 12 carpals; 9 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 9 metatarsals; 27 phalanges.

Room 17 Mezzanine

•Adult, probable male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 25 intact teeth.

Catalog No. 99.1/236, Burial No. 166 (Tigara Period) (Table 65)

Room 12 Mezzanine

•Adult, female
Incomplete sacrum; 22 vertebrae; 1 rib/rib fragment; complete left and right clavicles; incomplete left and right humeri; incomplete left and complete right ulnae; incomplete left and complete right radii; 11 carpals; 9 metacarpals; incomplete, unsided femur; incomplete, unsided fibula; 4 tarsals; 18 phalanges.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; incomplete facial bones; complete mandible.

Table 65.
Associated Funerary Objects from Burial 166, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4424	modified faunal remains	"Float mouthpiece"; ivory oval w/ grooved circumference, central hole (Plate 89, Object 16)	complete

Catalog No. 99.1/237, Burial No. 170 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male
Complete left and right scapulae; 24 vertebrae; 20 ribs/rib fragments; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 9 carpals; 10 metacarpals; complete left and right femurs; complete left patella; complete left and right tibiae; complete left and right fibulae; 3 tarsals; 10 metatarsals; 24 phalanges.

Room 17 Mezzanine

•Adult, probable male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 31 intact teeth.

Catalog No. 99.1/238, Burial No. 173 (Tigara Period)

Post-Room 17 Mezzanine

•Subadult, sex undetermined
Complete sternum; 1 loose tooth; 10 vertebrae; 7 ribs/rib fragments; incomplete left clavicle; incomplete left and complete right humeri; incomplete left and complete right ulnae; complete right radius; 9 carpals; 8 metacarpals; complete right innominate; complete left femur; complete left patella; complete left and incomplete right tibiae; 4 tarsals; 2 metatarsals; 11 phalanges.
Comments: 2 animal bones are stored with these human skeletal remains.

Catalog No. 99.1/239, Burial No. 172 (Birnirk Period) (Table 66)

Room 12 Mezzanine

•Adult, probable male
Incomplete sternum; 15 vertebrae; 25 ribs/rib fragments; complete left clavicle; complete right humerus; complete left and right ulnae; incomplete, unsided radius; 4 carpals; 5 metacarpals; complete left and incomplete right innominate; incomplete right femur; complete left patella; incomplete, unsided fibula; 1 tarsal; 1 metatarsal.

•Subadult
Incomplete cranium; complete sacrum; 13 vertebrae; incomplete left humerus; incomplete left ulna; 7 metatarsals.

Comments: 1 animal bone is stored with these human skeletal remains.

Table 66.
Associated Funerary Object from Burial 172, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4436	composite	harpoon point, ivory, w/ slate end blade (Plate 87, Object 4)	complete

Catalog No. 99.1/240, Burial No. 180 (Tigara Period)

Room 12 Mezzanine

•Adult, female
Complete sacrum; 25 vertebrae; 21 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 12 carpals; 10 metacarpals; incomplete right innominate; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 13 tarsals; 10 metatarsals; 32 phalanges.
Comments: The presence of an additional vertebra is the result of a congenital condition producing 13 thoracic vertebrae.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 25 intact teeth.

Catalog No. 99.1/241, Burial No. 188 (Tigara Period)

Room 12 Mezzanine

•Adult, male

Complete sacrum; 18 ribs/rib fragments; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 13 carpals; complete left and incomplete right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 22 phalanges.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 3 intact and 21 loose teeth.

Catalog No. 99.1/242, Burial No. 181 (Tigara Period)

Room 12 Mezzanine

•Adult, sex undetermined

Incomplete sternum; 13 vertebrae; 3 ribs/rib fragments; complete left and incomplete right scapulae; complete left clavicle; incomplete left and complete right humeri; complete left and incomplete right ulnae; complete left and right radii; 3 carpals; 8 metacarpals; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 10 tarsals; 9 metatarsals; 20 phalanges.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 23 intact teeth.

Catalog No. 99.1/243, Burial No. 184 (Tigara Period)

Room 12 Mezzanine

•Adult, sex undetermined

Complete left femur; complete right patella; complete left tibia; incomplete left and complete right fibulae; 10 tarsals; 6 metatarsals; 5 phalanges.

Catalog No. 99.1/244, Burial No. 169 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete cranium; 10 vertebrae; incomplete sacrum; 23 ribs/rib fragments; complete left and right scapulae; complete right clavicle; complete left and right humeri; complete left and right ulnae; complete left and right radii; complete left and right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae; 24 metacarpals/metatarsals/phalanges.

Room 17 Mezzanine

•Subadult, sex undetermined

Incomplete cranial vault; incomplete cranial base; incomplete facial bones; complete mandible; 12 intact and 10 loose teeth

Catalog No. 99.1/245, Burial No. 155 (Tigara Period)

Room 17 Mezzanine

•Subadult, sex undetermined
Incomplete cranial vault; incomplete facial bones; complete mandible; 13 intact and 8 loose teeth.
Comments: Included with these remains were 2 humerus fragments, an incomplete left scapula, and an unidentified bone shaft.

Catalog No. 99.1/246, Burial No. 150 (Tigara Period) (Table 67)

Room 12 Mezzanine

•Age undetermined, sex undetermined
Complete right ulna; complete right radius; 3 carpals; 6 metacarpals; complete left patella; 4 tarsals; 4 metatarsals; 8 phalanges.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete facial bones; complete mandible; 1 loose and 15 intact teeth.
Comments: 2 phalanges stored with these remains.

Table 67.
Associated Funerary Objects from Burial 150, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4414	modified faunal remains	harpoon shaft, ivory (Plate 89, Object 12)	complete
60.2/4415	modified faunal remains	ice pick, ivory (Plate 89, Object 13)	complete
60.2/4416	ground stone	slate point (Plate 90, Object 16)	complete

Catalog No. 99.1/247, Burial No. 13 (Ipiutak Period)

Room 17 Mezzanine

•Subadult, sex undetermined
Complete cranial vault; complete cranial base; incomplete facial bones; 7 intact teeth.

Catalog No. 99.1/248, Burial No. 178 (Tigara Period) (Table 68)

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 26 intact teeth.

Table 68.
Associated Funerary Object from Burial 178, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4438	modified faunal remains	cup-shaped scraper, ivory (Plate 89, Object 23)	incomplete

Catalog No. 99.1/249, Burial No. 147 (Tigara Period)

Room 12 Mezzanine

•Adult, female

Cranial fragments; 9 vertebrae; 14 ribs/rib fragments; incomplete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 11 carpals; 10 metacarpals; incomplete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 12 tarsals; 7 metatarsals; 18 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; incomplete facial bones; complete mandible; 22 intact teeth.

Catalog No. 99.1/250, Burial No. 146 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male

Incomplete sacrum; 10 vertebrae; 6 ribs/rib fragments; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 9 carpals; 10 metacarpals; incomplete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 9 metatarsals; 27 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 12 intact teeth.

Catalog No. 99.1/251, Burial No. n/a (Tigara Period)

Room 12 Mezzanine

•Adult, female

Complete sacrum; 24 vertebrae; 15 ribs/rib fragments; complete left and right scapulae; complete left and right clavicles; incomplete left humerus; incomplete left and complete right ulnae; complete left and right radii; 7 carpals; 5 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right tibiae; incomplete right fibula; 3 tarsals; 14 phalanges.

Comments: Miscellaneous animal bones were stored with these human skeletal remains.

Catalog No. 99.1/252, Burial No. 136 (Ipiutak Period)

Room 12 Mezzanine

•Adult, male

Complete sacrum; 22 vertebrae; 16 ribs/rib fragments; incomplete left scapula; complete left and right clavicles; incomplete left and complete right humeri; complete left ulna; 1 carpal; 6 metacarpals; complete left and right innominates; complete right patella; incomplete right tibia; incomplete right fibula; 10 tarsals; 10 metatarsals; 7 phalanges.

Comments: Congenital presence of 13 thoracic vertebrae; 12 animal bones were stored with these human skeletal remains.

Room 17 Mezzanine

•Adult, probable male
Complete cranial vault; complete cranial base; complete facial bones; 8 intact teeth.

Catalog No. 99.1/253, Burial No. 141 (Tigara Period)

Room 12 Mezzanine

•Age undetermined, sex undetermined
Incomplete left femur; incomplete left tibia.

Room 17 Mezzanine

•Adult, probable male
Complete cranial vault; incomplete facial bones.
Comments: Unidentified bone in envelope.

Catalog No. 99.1/254, Burial No. 174 (Tigara Period)

Room 17 Mezzanine

•Subadult, sex undetermined
Incomplete cranial vault; incomplete cranial base; incomplete facial bones; incomplete mandible; 3 intact and 3 loose teeth.
Comments: Included with these remains were an incomplete right humerus, incomplete left and right innominates, incomplete left and right femurs, incomplete left and right tibiae, 8 ribs, and 2 vertebrae.

Catalog No. 99.1/255, Burial No. n/a (Tigara Period)

Room 12 Mezzanine

•Adult, probable male
Incomplete sacrum; 1 loose tooth; 24 vertebrae; 15 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left ulna; complete left radius; 3 carpals; 5 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae; 4 tarsals; 13 phalanges.

Catalog No. 99.1/256, Burial No. 186 (Western Thule Period) (Table 69)

Room 12 Mezzanine

•Age undetermined, sex undetermined
Incomplete left patella; 8 tarsals; 5 metatarsals; 2 phalanges.

Room 17 Mezzanine

•Adult, probable male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 28 intact and 2 loose teeth.

Table 69.
Associated Funerary Objects from Burial 186, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4439	modified faunal remains	carved point w/ hole in middle, ivory (Plate 88, Object 1)	incomplete
60.2/4440	modified faunal remains	"Leister prong"; barbed shaft, ivory (Plate 88, Object 7)	incomplete
60.2/4441	modified faunal remains	"Barb for salmon spear"; ivory (Plate 88, Object 8)	complete
60.2/4442	modified faunal remains	"Barb for salmon spear"; ivory (Plate 88, Object 9)	complete
60.2/4443	modified faunal remains	needle, ivory (Plate 88, Object 10)	complete
60.2/4444	modified faunal remains	bell-shaped ivory piece w/ hole in bottom & carved projection at top (Plate 88, Object 11)	complete
60.2/4445	chipped stone	projectile point, chert (Plate 88, Object 13)	complete
60.2/4446	chipped stone	projectile point, chert (Plate 88, Object 14)	complete
60.2/4447	unmodified faunal remains	ivory piece	complete
60.2/4448	modified faunal remains	shaft, antler/bone	incomplete
60.2/4449	modified faunal remains	shaft, antler/bone	incomplete

Catalog No. 99.1/257, Burial No. 162 (Tigara Period)

Room 12 Mezzanine

•Age undetermined, sex undetermined
Incomplete right innominate; 5 vertebrae; 1 tarsal; 1 phalange.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; 1 intact tooth.

Catalog No. 99.1/258, Burial No. 152 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined
Complete left and incomplete right scapulae; 22 vertebrae; 20 ribs/rib fragments; incomplete left and right humeri; incomplete right ulna; incomplete right radius; complete right innominate; complete left and right femurs; incomplete left and right tibiae; incomplete, unsided fibulae.

Room 17 Mezzanine

•Subadult, sex undetermined
Incomplete cranial vault; incomplete cranial base; incomplete facial bones; incomplete mandible; 10 intact and 22 loose teeth.

Catalog No. 99.1/259, Burial No. 142 (Tigara Period)

Room 12 Mezzanine

•Adult, sex undetermined
Incomplete sternum; 1 vertebra; incomplete left scapula; incomplete right tibia; incomplete, unsided fibula.

•Subadult (teen), sex undetermined
Incomplete left femur.

•Subadult (child), sex undetermined
Cervical vertebra; incomplete left femur.

Comments: An animal bone is stored with these remains.

Room 17 Mezzanine

•Adult, female
Complete mandible; 6 intact teeth.

•Adult, sex undetermined
Incomplete mandible; 5 intact teeth.

•Subadult, sex undetermined
Incomplete facial bones; incomplete mandible; 9 intact teeth.

Comments: The cranial remains are commingled. In addition to the above remains an adult maxillary fragment (3 intact teeth), 2 right and 1 left adult temporals, and an adult cranial vault are present.

Catalog No. 99.1/260, Burial No. 183 (Tigara Period)

Room 12 Mezzanine

•Adult, probable female
Complete sacrum; 24 vertebrae; 12 ribs/rib fragments; incomplete sternum; incomplete left and right scapulae; complete left and right clavicles; complete left and right ulnae; complete left and right radii; 9 carpals; 8 metacarpals; incomplete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; incomplete left fibula; 11 tarsals; 10 metatarsals; 22 phalanges.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 19 intact teeth.

Catalog No. 99.1/261, Burial No. 160 (Birnirk Period)

Room 12 Mezzanine

•Subadult, sex undetermined
Incomplete right clavicle; 5 metacarpals; incomplete right innominate; incomplete left and right femurs; complete left and incomplete right tibiae; 3 tarsals; 2 metatarsals; 3 phalanges.

Catalog No. 99.1/262, Burial No. 189 (Tigara Period)

Room 12 Mezzanine

•Adult, female
Incomplete left and right scapulae; 10 vertebrae; complete right clavicle; complete left and incomplete right humeri; complete left and incomplete right ulnae; complete left and right radii; 6 carpals; 6 metacarpals; incomplete left and

right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae; 11 tarsals; 2 metatarsals; 7 phalanges.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; incomplete mandible; 14 intact teeth.

Catalog No. 99.1/263, Burial No. 190 (Tigara Period)

Room 12 Mezzanine

•Adult, probable female
Complete sacrum; 24 vertebrae; 13 ribs/rib fragments; complete left and right humeri; incomplete left and right ulnae; complete left and right radii; 9 carpals; 9 metacarpals; incomplete left and right innominates; complete left and right femurs; complete right patella; incomplete left and complete right tibiae; incomplete left and right fibulae; 10 tarsals; 10 metatarsals; 14 phalanges.

Room 17 Mezzanine

•Adult, sex undetermined
Incomplete cranial vault; incomplete cranial base; incomplete facial bones; incomplete mandible; 1 loose and 7 intact teeth.

Catalog No. 99.1/264, Burial No. 191 (Tigara Period) (Table 70)

Room 12 Mezzanine

•Subadult, sex undetermined
Incomplete right humerus; 10 vertebrae; incomplete left and right innominates; incomplete left and complete right femurs; incomplete right tibia.
Comments: An animal bone is stored with these remains.

Room 17 Mezzanine

•Subadult, sex undetermined
Incomplete cranial vault; incomplete cranial base; incomplete facial bones; incomplete mandible; 8 intact and 28 loose teeth.

Table 70.
Associated Funerary Object from Burial 191, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4450	modified faunal remains	snow goggles w/ incised decoration, ivory (Plate 92, Object 1)	complete

Catalog No. 99.1/265, Burial No. 192 (Tigara Period)

Room 12 Mezzanine

•Adult, male
Incomplete sacrum; 21 vertebrae; 9 ribs/rib fragments; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete right ulna; complete right radius; 3 carpals; 4 metacarpals; incomplete left and right innominates; 13 tarsals; 10 metatarsals; 8 phalanges.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 25 intact teeth.

Catalog No. 99.1/266, Burial No. 193 (Tigara Period)

Room 12 Mezzanine

•Adult, probable female

Incomplete left and right scapulae; 1 loose tooth; 15 vertebrae; 12 ribs/rib fragments; incomplete left and right humeri; incomplete right ulna; incomplete right radius; 3 carpals; 4 metacarpals; incomplete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; incomplete left and right fibulae; 11 tarsals; 8 phalanges.

Room 17 Mezzanine

•Adult, sex undetermined

Complete cranial vault; incomplete cranial base; incomplete facial bones; incomplete mandible; 8 intact teeth.

Catalog No. 99.1/267, Burial No. 194 (Tigara Period)

Room 12 Mezzanine

•Adult, female

Incomplete sternum; 10 vertebrae; incomplete left and right humeri; 1 carpal; 1 metacarpal; incomplete left and right innominates; complete left and right femurs; complete left and right patellae; incomplete left and complete right tibiae; complete left and right fibulae; 10 tarsals; 3 metatarsals.

Room 17 Mezzanine

•Adult, probable female

Incomplete cranial vault; incomplete cranial base; incomplete facial bones; incomplete mandible; 10 intact and 5 loose teeth.

Catalog No. 99.1/268, Burial No. 195 (Tigara Period)

Room 12 Mezzanine

•Adult, female

Complete sacrum; 24 vertebrae; 24 ribs/rib fragments; incomplete sternum; incomplete left and complete right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 10 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 13 tarsals; 10 metatarsals; 25 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 31 intact teeth.

Catalog No. 99.1/269, Burial No. 196 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Complete right scapula; 19 vertebrae; 18 ribs/rib fragments; complete right clavicle; complete left and incomplete right humeri; complete left and right innominates; complete left and right femurs; complete left and incomplete right tibiae; 2 tarsals; 5 metacarpals/metatarsals/phalanges.

Room 17 Mezzanine

•Subadult, sex undetermined

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 23 intact teeth.

Catalog No. 99.1/270, Burial No. 198 (Tigara Period)

Room 17 Mezzanine

•Subadult, sex undetermined

Incomplete facial bones; incomplete mandible; 11 intact and 20 loose teeth.

Catalog No. 99.1/271, Burial No. 145 (Tigara Period) (Table 71)

Room 12 Mezzanine

•Adult, female

Incomplete sternum; 21 vertebrae; 8 ribs/rib fragments; complete left and right clavicles; complete left humerus; incomplete left and complete right ulnae; complete right radius; 4 carpals; 5 metacarpals; complete right innominate; complete right tibia; 3 tarsals; 6 phalanges.

Comments: 1 animal bone was stored with these remains.

Room 17 Mezzanine

•Adult, probable female

Incomplete mandible; 14 intact teeth.

Table 71.
Associated Funerary Objects from Burial 145, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4822	ground stone	whetstone, ground on 2 sides, fragmented, mended	incomplete
60.2/4823	ground stone	ulu blade, slate	incomplete
60.2/4824	modified faunal remains	bola weight, ivory	complete
60.2/4825	modified faunal remains	bola weight, ivory	complete
60.2/4826	modified faunal remains	"Scoop or cup scraper"; ivory, bowl shaped	complete
60.2/4827	modified faunal remains	"Ice pick (?), ivory, socketed"	incomplete

Catalog No. 99.1/272, Burial No. 201 (Tigara Period)

Room 12 Mezzanine

•Adult, male

Incomplete sacrum; 24 vertebrae; 19 ribs/rib fragments; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 7 carpals; 10 metacarpals; complete left and right femurs; complete left and right patellae; complete left and right tibiae; incomplete left and right fibulae; 13 tarsals; 5 metatarsals; 18 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 18 intact and 2 loose teeth.

Catalog No. 99.1/273, Burial No. 176 (Tigara Period)

Room 17 Mezzanine

•Subadult, sex undetermined

Incomplete cranial vault; incomplete cranial base; incomplete facial bones; incomplete mandible; 4 intact and 17 loose teeth.

Catalog No. 99.1/274, Burial No. 158 (Tigara Period)

Room 17 Mezzanine

•Subadult, sex undetermined

Incomplete cranial vault; incomplete cranial base; incomplete facial bones; incomplete mandible; 3 intact and 17 loose teeth.

Comments: Included with these remains were a clavicle, a humerus fragment, a carpal, 2 incomplete femurs, 2 incomplete tibiae, and an incomplete fibula.

Catalog No. 99.1/276, Burial No. 202 (Tigara Period)

Room 12 Mezzanine

•Adult, female

Complete sacrum; 24 vertebrae; 24 ribs/rib fragments; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and incomplete right ulnae; complete left and right radii; 12 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae; 12 tarsals; 10 metatarsals; 16 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 30 intact teeth.

Catalog No. 99.1/277, Burial No. 204 (Tigara Period)

Room 12 Mezzanine

•Adult, male

Complete sacrum; 24 vertebrae; 24 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 11 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 13 tarsals; 8 metatarsals; 20 phalanges.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 30 intact teeth.

Catalog No. 99.1/278, Burial No. 197 (Tigara Period)

Room 12 Mezzanine

•Adult, male

Complete left scapula; 1 loose tooth; 15 vertebrae; incomplete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 14 carpals; 10 metacarpals; complete left and incomplete right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 32 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; incomplete facial bones; complete mandible; 26 intact teeth.

Catalog No. 99.1/279, Burial No. 135 (Undetermined Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Complete left scapula; vertebrae (11 neural arches); 8 ribs/rib fragments; complete left humerus; incomplete left ulna; complete left and right radii; incomplete left and right innominates; complete left and right femurs; incomplete left and right tibiae; incomplete left and right fibulae.

Catalog No. 99.1/280, Burial No. 168 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete left and right clavicles; incomplete right humerus; incomplete right ulna; incomplete left and right femurs; incomplete left and right tibiae; incomplete, unsided fibula.

Room 17 Mezzanine

•Subadult, sex undetermined

Incomplete cranial vault; incomplete cranial base; incomplete facial bones; incomplete mandible; 1 loose and 21 intact teeth.

Catalog No. 99.1/281, Burial No. 154 (Tigara Period)

Room 12 Mezzanine

•Subadult (adolescent), sex undetermined

Complete left clavicle; 1 rib/rib fragment; incomplete, unsided humerus; incomplete, unsided ulna; 5 metatarsals.

•Subadult (child), sex undetermined
Incomplete left humerus; 1 rib/rib fragment; incomplete left and right innominates; complete right femur; incomplete left tibia.

•Age undetermined, sex undetermined
Complete left clavicle; 1 vertebra; 2 phalanges.

Room 17 Mezzanine

•Subadult, sex undetermined
Incomplete cranial vault; incomplete cranial base; incomplete facial bones; 3 intact teeth.
Comments: A single vertebra was included with these cranial remains.

Catalog No. 99.1/282, Burial No. 205 (Tigara Period)

Room 12 Mezzanine

•Adult, female
Incomplete left and right clavicles; 22 vertebrae; incomplete left and right humeri; incomplete right ulna; incomplete left and right radii; 6 carpals; 3 metacarpals; incomplete left and right innominates; complete left and right femurs; complete left and incomplete right patellae; complete left and right tibiae; 4 tarsals; 2 phalanges.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; incomplete cranial base; complete facial bones; complete mandible; 28 intact and 4 loose teeth.

Catalog No. 99.1/283, Burial No. 207 (Tigara Period)

Room 12 Mezzanine

•Adult, male
Hyoid; mandible fragment; 9 vertebrae; incomplete sacrum; incomplete sternum; incomplete left scapula; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 13 carpals; 5 metacarpals; incomplete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; incomplete left and right fibulae; 5 tarsals; 9 metatarsals; 7 phalanges.

Room 17 Mezzanine

•Adult, probable female
Incomplete cranial vault; incomplete cranial base; complete facial bones; incomplete mandible; 1 loose and 28 intact teeth.

Catalog No. 99.1/284, Burial No. 208 (Tigara Period) (Table 72)

Room 12 Mezzanine

•Adult, male
Occipital fragment; 1 loose tooth; hyoid; 25 vertebrae; complete sacrum; 2 ribs/rib fragments; complete left scapula; incomplete left clavicle; complete left and incomplete right humeri; incomplete left and complete right ulnae; incomplete left and complete right radii; 8 carpals; 10 metacarpals; incomplete left and right innominates; complete left and right femurs; complete right patella; complete left and right tibiae; incomplete left and complete right fibulae; 4 tarsals; 8 phalanges.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; incomplete cranial base; complete facial bones; complete mandible; 1 loose and 23 intact teeth.

Table 72.
Associated Funerary Object from Burial 208, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4451	chipped stone	projectile point, obsidian	complete

Catalog No. 99.1/285, Burial No. 209 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Complete left and right femurs; 4 vertebrae; incomplete left and right tibiae.

Room 17 Mezzanine

•Subadult, sex undetermined

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 27 intact and 3 loose teeth.

Catalog No. 99.1/286, Burial No. 211 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete sacrum; 24 vertebrae; 2 ribs/rib fragments; incomplete left and right scapulae; complete left clavicle; incomplete left and right humeri; complete left and right ulnae; complete left and right radii; 2 carpals; 3 metacarpals; complete left and right innominates; complete left and right femurs; complete right patella; complete left and right tibiae; incomplete left and complete right fibulae; 4 tarsals; 3 phalanges.

Room 17 Mezzanine

•Adult, probable female

Incomplete cranial vault; incomplete cranial base; incomplete facial bones; complete mandible; 28 intact teeth.

Catalog No. 99.1/287, Burial No. 212 (Tigara Period)

Room 12 Mezzanine

•Adult; female

Complete sacrum; 24 vertebrae; 22 ribs/rib fragments; complete left and right scapulae; complete left and right clavicles; complete left and incomplete right humeri; complete left and incomplete right ulnae; complete left and right radii; 9 carpals; 8 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 7 tarsals; 5 metatarsals; 13 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 37 intact teeth.

Catalog No. 99.1/288, Burial No. 213 (Tigara Period)

Room 12 Mezzanine

•Adult, sex undetermined

Incomplete sacrum; 24 vertebrae; 1 rib/rib fragment; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and incomplete right ulnae; complete left and incomplete right radii; 10 carpals; 8 metacarpals; incomplete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; incomplete left and right fibulae; 11 tarsals; 3 metatarsals; 5 phalanges.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; incomplete facial bones; incomplete mandible; 8 loose teeth.

Catalog No. 99.1/289, Burial No. 214 (Tigara Period)

Room 12 Mezzanine

•Age undetermined, sex undetermined

Incomplete sacrum; 46 vertebrae; 26 ribs/rib fragments; incomplete sternum; incomplete left and right scapulae; complete left and right clavicles; 16 carpals; 21 metacarpals; complete left and right patellae; 27 tarsals; 19 metatarsals; 38 phalanges.

Comments: This catalog number contains skeletal elements (carpals, metacarpals, tarsals, and metatarsals) from the individuals cataloged as 99.1/289a and 99.1/289b.

Room 17 Mezzanine

•Adult, sex undetermined

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 24 intact teeth.

Catalog No. 99.1/289A, Burial No. 214 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male

Complete sacrum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; complete left and right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae.

Catalog No. 99.1/289B, Burial No. 214 (Tigara Period)

Room 12 Mezzanine

•Adult, female

Complete sacrum; complete left and right ulnae; complete left and right radii; complete left and incomplete right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae.

Catalog No. 99.1/290, Burial No. 215 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Complete sacrum; 24 vertebrae; 8 ribs/rib fragments; incomplete sternum; incomplete left scapula; incomplete left clavicle; incomplete left and right innominates; incomplete left and complete right femurs; incomplete left and complete right tibiae.

Room 17 Mezzanine

•Subadult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 27 intact teeth.

Catalog No. 99.1/291, Burial No. 217 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete left and right scapulae; 24 vertebrae; 24 ribs/rib fragments; complete left and right clavicles; complete left and incomplete right humeri; complete left and right ulnae; complete left and right radii; incomplete left and right innominates; complete left and right femurs; incomplete, unsided patella; complete left tibia; incomplete, unsided fibula; 3 tarsals; 15 metacarpals/ metatarsals; 5 phalanges.

Room 17 Mezzanine

•Subadult, sex undetermined

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 23 intact teeth.

Catalog No. 99.1/292, Burial No. 218 (Tigara Period)

Room 12 Mezzanine

•Adult, sex undetermined

Incomplete sacrum; 24 vertebrae; 8 ribs/rib fragments; incomplete left and right scapulae; complete left and right clavicles; complete left and right humeri; incomplete left and right ulnae; incomplete left and right radii; 6 carpals; 7 metacarpals; incomplete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; incomplete left and right fibulae; 14 tarsals; 10 metatarsals; 19 phalanges.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; complete facial bones; incomplete mandible; 1 loose and 11 intact teeth.

Catalog No. 99.1/293, Burial No. 221 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Occipital fragment; 17 vertebrae; incomplete sacrum; 11 ribs/rib fragments; incomplete left and complete right clavicles; incomplete left humerus; incomplete left and right ulnae; incomplete left and right radii; complete left and right innominates; complete left and right femurs; incomplete left and right tibiae; incomplete, unsided fibula; 1 tarsal; 1 metatarsal.

Room 17 Mezzanine

•Subadult, sex undetermined

Complete cranial vault; incomplete cranial base; complete facial bones; complete mandible; 28 intact and 3 loose teeth.

Catalog No. 99.1/294, Burial No. 222 (Tigara Period)

Room 12 Mezzanine

•Adult, female

Hyoid; 1 loose tooth; 24 vertebrae; complete sacrum; 23 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 14 carpals; 10 metacarpals; incomplete left and complete right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 25 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 26 intact teeth.

Catalog No. 99.1/295, Burial No. 224 (Tigara Period) (Table 73)

Room 12 Mezzanine

•Adult, male

Incomplete left clavicle; 6 vertebrae fragments; incomplete left and right humeri; incomplete left and right ulnae; incomplete left and right radii; 9 carpals; 8 metacarpals; incomplete left and right innominates; complete left and right femurs; complete right patella; complete left and right tibiae; incomplete left and right fibulae; 11 tarsals; 8 metatarsals; 3 phalanges.

Room 17 Mezzanine

•Adult, probable male

Incomplete cranial vault; complete cranial base; complete facial bones; incomplete mandible; 30 intact teeth.

Table 73.
Associated Funerary Object from Burial 224, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4452	ground stone	ulu blade, slate (Plate 90, Object 27)	incomplete

Catalog No. 99.1/296, Burial No. 225 (Tigara Period)

Room 12 Mezzanine

•Adult, male

Incomplete sacrum; 24 vertebrae; 9 ribs/rib fragments; incomplete sternum; complete left and incomplete right scapulae; complete left and right clavicles; incomplete left and complete right humeri; complete left and right ulnae; complete left and right radii; 8 carpals; 8 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right tibiae; complete left and incomplete right fibulae; 10 tarsals; 8 metatarsals; 19 phalanges.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 27 intact teeth.

Catalog No. 99.1/297, Burial No. 226 (Tigara Period)

Room 12 Mezzanine

•Adult, probable female
Incomplete sacrum; 11 vertebrae; incomplete left humerus; incomplete left ulna; incomplete right radius; 5 carpals; 3 metacarpals; incomplete left and complete right innominates; complete left and right femurs; complete right patella; incomplete left and right tibiae; incomplete left fibula; 2 tarsals.

Room 17 Mezzanine

•Adult, sex undetermined
Incomplete cranial vault; incomplete cranial base; incomplete facial bones; incomplete mandible; 4 intact and 15 loose teeth.

Catalog No. 99.1/298, Burial No. 229 (Tigara Period)

Room 12 Mezzanine

•Adult, male
Incomplete sacrum; 24 vertebrae; 5 ribs/rib fragments; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 10 carpals; 10 metacarpals; incomplete left and right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae; 9 tarsals; 10 metatarsals; 19 phalanges.
Comments: A bird-bone tube was included with these remains.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 22 intact and 2 loose teeth.

Catalog No. 99.1/299, Burial No. 230 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined
Incomplete sacrum; 2 cranial fragments; 21 vertebrae; 21 ribs/rib fragments; incomplete left and complete right scapulae; complete left and right clavicles; incomplete left and complete right humeri; incomplete left and complete right ulnae; complete right radius; incomplete left and right innominates; complete left and right femurs; complete left and right tibiae; incomplete, unsided fibula; 4 tarsals; 3 metacarpals/metatarsals.

Room 17 Mezzanine

•Subadult, sex undetermined
Incomplete cranial vault; incomplete cranial base; incomplete facial bones; complete mandible; 11 intact and 16 loose teeth.

Catalog No. 99.1/300, Burial No. 231 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete sacrum; 24 vertebrae; 23 ribs/rib fragments; incomplete left and complete right scapulae; complete left and right clavicles; complete left and right and incomplete, unsided humeri; complete left and right ulnae; complete left and right radii; incomplete left and right innominates; complete left and right femurs; complete left and right patellae; incomplete left and right tibia; incomplete, unsided fibulae; 1 tarsal; 3 phalanges.

Comments: Note elements of humerus from a second individual.

Room 17 Mezzanine

•Subadult, sex undetermined

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 28 intact teeth.

Catalog No. 99.1/301, Burial No. 232 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Sphenoid fragment; 7 vertebrae; incomplete sacrum; 9 ribs/rib fragments; incomplete right scapula; incomplete right clavicle; incomplete right humerus; incomplete left and right ulnae; incomplete left and complete right radii; incomplete left and right innominates; incomplete left and right femurs; incomplete left and right tibiae; incomplete left and right fibulae; 1 tarsal; 8 metacarpals/metatarsals/phalanges.

Room 17 Mezzanine

•Subadult, sex undetermined

Incomplete cranial vault; incomplete cranial base; incomplete facial bones; complete mandible; 1 loose and 23 intact teeth.

Catalog No. 99.1/302, Burial No. 233 (Tigara Period) (Table 74)

Room 12 Mezzanine

•Adult, female

Complete left and right scapulae; 17 vertebrae; 12 ribs/rib fragments; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 11 carpals; incomplete left and right innominates; complete left and right femurs; complete left patella; complete left and right tibiae; complete left and right fibulae; 10 tarsals; 9 metatarsals; 21 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 29 intact teeth.

Table 74.
Associated Funerary Objects from Burial 233, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4453	modified faunal remains	harpoon head, ivory (Plate 89, Object 6)	incomplete
60.2/4454	modified faunal remains	awl, antler/bone (Plate 89, Object 24)	complete
60.2/4455	modified faunal remains	"Brow band"; curved, incised piece, bone (Plate 92, Object 2)	complete

Catalog No. 99.1/303, Burial No. 234 (Tigara Period) (Table 75)

Room 12 Mezzanine

•Adult, probable female

Incomplete left and right scapulae; 24 vertebrae; 14 ribs/rib fragments; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; incomplete left and complete right radii; 11 carpals; 10 metacarpals; incomplete left and complete right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae; 10 tarsals; 7 metatarsals; 16 phalanges.

Room 17 Mezzanine

•Adult, probable male

Incomplete mandible; 16 intact and 6 loose teeth.

Table 75.
Associated Funerary Objects from Burial 234, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4456	modified faunal remains	animal long bone, segmented (Plate 89, Object 25)	incomplete
60.2/4457	modified faunal remains	carved polar bear, ivory (Plate 92, Object 3)	complete
60.2/4458	modified faunal remains	bodkin, ivory (Plate 92, Object 13)	complete

Catalog No. 99.1/304, Burial No. 235 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Complete sacrum; 24 vertebrae; 8 ribs/rib fragments; incomplete sternum; complete right clavicle; incomplete left and right humeri; incomplete left and right ulnae; complete left and right radii; 6 carpals; 9 metacarpals; incomplete left and right innominates; complete left and right femurs; complete left and right tibiae; incomplete left and right fibulae; 11 tarsals; 8 metatarsals; 6 phalanges.

Room 17 Mezzanine

•Subadult, probable female

Incomplete cranial vault; incomplete cranial base; incomplete facial bones; complete mandible; 1 loose and 26 intact teeth.

Catalog No. 99.1/305, Burial No. 236 (Tigara Period)

Room 12 Mezzanine

•Adult, probable female

Incomplete sacrum; 1 loose tooth; 25 vertebrae (congenital anomaly); incomplete left and right scapulae; complete left and right clavicles; 17 rib/rib fragments; complete left and right humeri; complete left and right ulnae; complete left and right radii; 14 carpals; 9 metacarpals; complete left and right innominates; complete left and right femurs; complete right patella; complete left and right tibiae; complete left and right fibulae; 13 tarsals; 10 metatarsals; 25 phalanges.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; incomplete facial bones; complete mandible; 23 intact teeth.

Catalog No. 99.1/306, Burial No. 237 (Tigara Period)

Room 12 Mezzanine

•Adult, probable female

Incomplete cranium; 23 vertebrae; incomplete sacrum; incomplete left and right scapulae; incomplete left and right clavicles; 5 ribs/rib fragments; incomplete left and right humeri; incomplete right ulna; incomplete left radius; incomplete left and right innominates; complete left and right femurs; complete left and right patellae; incomplete left and complete right tibiae; 3 tarsals; 5 phalanges.

Room 17 Mezzanine

•Adult, probable male

Incomplete cranial vault; incomplete cranial base; 4 loose teeth.

Catalog No. 99.1/307, Burial No. 238 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete left humerus; incomplete left ulna; incomplete left and right femurs; complete left and right tibiae; incomplete, unsided fibula.

Room 17 Mezzanine

•Subadult, sex undetermined

Complete cranial vault; complete cranial base; complete facial bones; 5 intact and 4 loose teeth.

Catalog No. 99.1/308, Burial No. 239 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Complete sacrum; incomplete left clavicle; 1 rib; incomplete left and right humeri; incomplete right ulna; incomplete right radius; incomplete left and right innominates; incomplete left and right femurs; incomplete left and right tibiae; incomplete, unsided fibula; unidentified shaft fragment.

Room 17 Mezzanine

•Adult/subadult, probable female

Complete cranial vault; incomplete cranial base; complete facial bones; complete mandible; 29 intact teeth.

Catalog No. 99.1/309, Burial No. 240 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete cranium; hyoid; 26 vertebrae fragments; incomplete sacrum; incomplete left and right scapulae; complete left and right clavicles; 20 ribs/rib fragments; incomplete left and right humeri; incomplete left and right innominates; incomplete left and right femurs; incomplete right tibia; incomplete, unsided fibula; 1 tarsal; 6 phalanges.

Room 17 Mezzanine

•Subadult, sex undetermined

Incomplete cranial vault; incomplete cranial base; incomplete facial bones; complete mandible; 11 intact and 11 loose teeth.

Catalog No. 99.1/310, Burial No. 241 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete mandible; 11 vertebrae; incomplete sacrum; incomplete, unsided scapula; 15 ribs/rib fragments; incomplete left and right humeri; incomplete right ulna; incomplete right radius; incomplete left and right innominates; complete left and incomplete right femurs; incomplete left and right tibiae; incomplete left and right fibulae; 1 tarsal.

Room 17 Mezzanine

•Adult, sex undetermined

Incomplete cranial vault; 22 loose teeth.

Catalog No. 99.1/311, Burial No. 242 (Tigara Period) (Table 76)

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete left and right humeri; incomplete left and right ulnae; incomplete left radius; 5 carpals; 3 metacarpals; incomplete left and right innominates; incomplete left and right femurs; incomplete left and right tibiae; incomplete, unsided fibulae; 1 phalange.

Room 17 Mezzanine

•Adult, sex undetermined

Incomplete cranial vault; incomplete cranial base; incomplete facial bones; incomplete mandible; 28 intact and 5 loose teeth.

Table 76.
Associated Funerary Object from Burial 242, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4459	modified faunal remains	barbed point, ivory (Plate 89, Object 20)	complete

Catalog No. 99.1/312, Burial No. 243 (Tigara Period)

Room 12 Mezzanine

•Adult, male

Hyoid; 24 vertebrae; complete sacrum; complete sternum; complete left and right scapulae; complete left and right clavicles; 23 ribs/rib fragments; complete left and right humeri; complete left and right ulnae; complete left and right radii; 15 carpals; 10 metacarpals; incomplete left and complete right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 26 phalanges.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 32 intact teeth.

Catalog No. 99.1/313, Burial No. 244 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined
Incomplete left and right scapulae; 21 vertebrae; incomplete left and right clavicles; 13 ribs; incomplete left and right humeri; incomplete left and right ulnae; incomplete left and right radii; incomplete left and right innominates; incomplete left and right femurs; incomplete right tibia; 2 phalanges.

Room 17 Mezzanine

•Infant, sex undetermined
Incomplete cranial vault; incomplete cranial base; incomplete facial bones; incomplete mandible; 23 intact teeth.

Catalog No. 99.1/314, Burial No. 245 (Tigara Period)

Room 12 Mezzanine

•Subadult, male
Incomplete cranium; 24 vertebrae; complete sacrum; 15 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 11 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 8 metatarsals; 21 phalanges.

Room 17 Mezzanine

•Age undetermined, sex undetermined
Incomplete mandible; 2 intact teeth.

•Adult, sex undetermined
Incomplete facial bones; complete mandible; 25 intact teeth.

Comments: These remains are those of 2 individuals. The following elements could not be attributed to either individual: incomplete cranial vault; incomplete sternum.

Catalog No. 99.1/315, Burial No. 246 (Tigara Period) (Table 77)

Room 12 Mezzanine

Commingled remains of 2 adults, sex undetermined
Complete mandible; 24 vertebrae; complete sacrum; 26 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 10 carpals; 11 metacarpals; 2 complete left and 1 right innominates; complete left and right femurs; complete right patella; complete left and 2 right tibiae; 14 tarsals; 8 metatarsals; 31 phalanges.
Comments: Animal bones are stored with these remains.

Room 17 Mezzanine

•Adult, probable male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 7 intact teeth.

Table 77.
Associated Funerary Objects from Burial 246, Point Hope

Catalog No.	Material Class	Description	Condition
n/a	modified faunal remains	uncataloged artifact; flat section of bone w/ point & roughened hafting area/tang; tang is pierced; labeled "TB 246" (Tigara Burial 246)	complete
60.2/4460	modified faunal remains	lance head, antler segment (Plate 89, Object 15)	incomplete

Catalog No. 99.1/316, Burial No. 247 (Tigara Period)

Room 12 Mezzanine

•Adult; female

Complete sacrum; 1 intact tooth; 24 vertebrae; 20 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 14 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 34 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 30 intact teeth.

Catalog No. 99.1/317, Burial No. 248 (Tigara Period)

Room 12 Mezzanine

•Subadult, probable male

Complete sacrum; 24 vertebrae; 15 ribs/rib fragments; incomplete sternum; complete left and right scapulae; incomplete left and complete right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 14 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left patella; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 27 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 29 intact and 2 loose teeth.

Catalog No. 99.1/318, Burial No. 252 (Tigara Period)

Room 12 Mezzanine

•Adult, female

Incomplete sacrum; 24 vertebrae; complete sternum; incomplete left and right scapulae; incomplete left and right clavicles; incomplete left and right humeri; complete left and right ulnae; complete left and right radii; 8 carpals; 10 metacarpals; incomplete left and right innominates; complete left and right femurs; complete left patella; complete left and right tibiae; complete left fibula; 11 tarsals; 10 metatarsals; 20 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; incomplete cranial base; complete facial bones; complete mandible; 17 intact teeth.

Catalog No. 99.1/319, Burial No. 254 (Tigara Period)

Room 12 Mezzanine

•Adult, male

Incomplete left and right scapulae; 24 vertebrae; 4 ribs/rib fragments; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 4 carpals; complete left and right innominates; complete left and right femurs; complete left patella; complete left and right tibiae; complete left and right fibulae; 11 tarsals; 1 metatarsal; 2 phalanges.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 26 intact and 2 loose teeth.

Catalog No. 99.1/320, Burial No. 256 (Tigara Period)

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; incomplete cranial base; complete facial bones; complete mandible; 1 loose and 21 intact teeth.

Catalog No. 99.1/321, Burial No. 257 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete sacrum; 23 vertebrae; 21 ribs/rib fragments; incomplete left and right scapulae; incomplete left and right clavicles; complete left and right humeri; complete left and right ulnae; incomplete left and right radii; 3 carpals; 1 metacarpal; complete left and right innominates; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 12 tarsals; 10 metatarsals; 7 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 31 intact teeth.

Catalog No. 99.1/322, Burial No. 258 (Tigara Period)

Room 12 Mezzanine

•Subadult, probable male

Complete sacrum; 24 vertebrae; 6 ribs/rib fragments; incomplete left and right scapulae; incomplete left and right clavicles; complete left and right humeri; incomplete left and right ulnae; incomplete left and right radii; 5 carpals; 5 metacarpals; complete left and right innominates; complete left and right femurs; complete right patella; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 9 metatarsals; 4 phalanges.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; incomplete facial bones; complete mandible; 1 loose and 30 intact teeth.

Catalog No. 99.1/323, Burial No. 259 (Tigara Period) (Table 78)

Room 12 Mezzanine

•Subadult, sex undetermined
Incomplete sacrum; 10 vertebrae; incomplete left and right innominates; incomplete right femur; incomplete left and right tibiae; incomplete, unsided fibula; 5 phalanges.

Room 17 Mezzanine

•Subadult, sex undetermined
Incomplete cranial vault; incomplete cranial base; incomplete facial bones; incomplete mandible; 2 intact and 21 loose teeth.

Table 78.
Associated Funerary Object from Burial 259, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4480	modified faunal remains	thimble holder w/ intricate carving, ivory (Plate 92, Object 10)	complete

Catalog No. 99.1/324, Burial No. 261 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined
Incomplete sacrum; 12 vertebrae; 13 ribs/rib fragments; incomplete left clavicle; incomplete left and right humeri; incomplete left and right ulnae; incomplete left and right radii; 1 carpal; 4 metacarpals; incomplete right innominate; complete left femur; 1 phalange.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 23 intact teeth.
Comments: Included with these cranial remains is 1 phalange.

Catalog No. 99.1/325, Burial No. 263 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male
Incomplete left scapula; 10 vertebrae; 5 ribs/rib fragments; incomplete right clavicle; complete left humerus; 3 metacarpals; incomplete right innominate; complete left femur; incomplete, unsided fibula; 8 tarsals; 2 metatarsals; 3 phalanges.

Room 17 Mezzanine

•Adult, probable male
Complete mandible; 9 intact and 3 loose teeth.

Catalog No. 99.1/325B, Burial No. 263 (Tigara Period) (Table 79)

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete right scapula; 1 rib/rib fragment; complete right clavicle; incomplete right humerus; incomplete left and unsided innominates; incomplete left and right femurs; incomplete, unsided tibia.

Catalog No. 99.1/325C, Burial No. 263 (Tigara Period) (see Table 79)

Room 12 Mezzanine

•Infant, sex undetermined

Incomplete right scapula; incomplete, unsided humerus.

Table 79.
Associated Funerary Objects from Burial 263, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4830	chipped stone	projectile point/knife	incomplete
60.2/4831	ground stone	arrow point, slate	incomplete
60.2/4832	ground stone	piece, amber, drilled	complete

Catalog No. 99.1/326, Burial No. 264 (Tigara Period)

Room 12 Mezzanine

•Adult, female

Incomplete sacrum; 17 vertebrae; 3 ribs/rib fragments; incomplete right scapula; incomplete left and right clavicles; incomplete left and complete right humeri; incomplete left and complete right ulnae; incomplete left and right radii; 9 carpals; 10 metacarpals; incomplete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; incomplete left and right fibulae; 10 tarsals; 10 metatarsals; 13 phalanges.

Room 17 Mezzanine

•Adult, probable female

Incomplete cranial vault; incomplete cranial base; complete facial bones; complete mandible; 30 intact and 2 loose teeth.

Catalog No. 99.1/327, Burial No. 265 (Tigara Period) (Table 80)

Room 12 Mezzanine

•Adult, probable male

Complete sacrum; 21 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 1 carpal; 7 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 7 tarsals; 5 metatarsals; 8 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 29 intact teeth.

Table 80.
Associated Funerary Objects from Burial 265, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4471	composite	"Needle case, decorated, with frag. needle"; needle, ivory, encased in fibrous matter (Plate 92, Object 19)	incomplete

Catalog No. 99.1/328, Burial No. 269 (Tigara Period)

Room 12 Mezzanine

•Infant, sex undetermined

Incomplete cranium; 22 loose teeth; 17 vertebrae; 17 ribs/rib fragments; incomplete left and right scapulae; incomplete left and right clavicles; incomplete left and right humeri; incomplete left and right ulnae; incomplete left and right radii; incomplete left and right femurs; incomplete left and right tibiae; incomplete left and right fibulae.
Comments: 4 animal claws are stored with these remains.

Room 17 Mezzanine

•Subadult, sex undetermined

Incomplete cranial vault; incomplete cranial base; incomplete facial bones; incomplete mandible; 20 intact and 4 loose teeth.

Catalog No. 99.1/329, Burial No. 270 (Tigara Period)

Room 12 Mezzanine

•Adult, female

Complete sacrum; 24 vertebrae; 16 ribs/rib fragments; incomplete sternum; complete left and right scapulae; incomplete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 12 carpals; 8 metacarpals; incomplete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; incomplete left and right fibulae; 11 tarsals; 4 metatarsals; 7 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 21 intact teeth.

Catalog No. 99.1/330, Burial No. 271 (Tigara Period)

Room 12 Mezzanine

•Adult, female

Incomplete sternum; 23 vertebrae; incomplete left and right scapulae; incomplete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 1 carpal; incomplete left and right innominates; incomplete left femur; incomplete left and right tibiae; incomplete, unsided fibula; 6 tarsals; 1 phalange.
Comments: 3 animal claws are stored with these remains.

Room 17 Mezzanine

•Adult, probable female

Incomplete cranial vault; complete cranial base; incomplete facial bones; complete mandible; 17 loose teeth.

Catalog No. 99.1/330A, Burial No. 271 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Complete sacrum; 1 loose tooth; 23 vertebrae; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 7 tarsals; 2 metatarsals.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 28 intact teeth.

Catalog No. 99.1/331, Burial No. 272 (Tigara Period)

Room 12 Mezzanine

•Adult, probable female

Incomplete sacrum; 24 vertebrae; 5 ribs/rib fragments; complete left and right scapulae; incomplete left and right clavicles; incomplete left and right humeri; incomplete left and right ulnae; incomplete, unsided radius; 6 carpals; 9 metacarpals; incomplete left innominate; complete right femur; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 13 tarsals; 9 metatarsals; 15 phalanges.

Room 17 Mezzanine

•Adult, probable female

Incomplete cranial vault; incomplete cranial base; incomplete facial bones; incomplete mandible; 4 intact and 9 loose teeth.

Comments: Stored with the cranial remains are 1 metacarpal, 1 metatarsal, and 3 phalanges.

Catalog No. 99.1/332, Burial No. 273 (Tigara Period) (Table 81)

Room 12 Mezzanine

•Adult, sex undetermined

Incomplete left and right scapulae; 1 vertebra; 17 ribs/rib fragments; incomplete left and right humeri; complete left and incomplete right ulnae; incomplete left and right radii; 5 carpals; 9 metacarpals; incomplete left and right innominates; complete left and right tibiae; incomplete left and right fibulae; 8 tarsals; 8 metatarsals; 14 phalanges.

Room 17 Mezzanine

•Adult, female

Complete cranial vault; complete cranial base; complete facial bones; incomplete mandible; 3 loose teeth.

Table 81.
Associated Funerary Object from Burial 273, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4481	chipped stone	projectile point/knife	complete

Catalog No. 99.1/333, Burial No. 274 (Tigara Period)

Room 12 Mezzanine

•Age undetermined, sex undetermined
23 vertebrae; 1 phalange.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 16 intact teeth.

Catalog No. 99.1/334, Burial No. 275 (Tigara Period)

Room 12 Mezzanine

•Adult, female
Complete sacrum; 24 vertebrae; 6 ribs/rib fragments; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 10 carpals; 8 metacarpals; complete left and right innominates; complete left and right femurs; complete left patella; complete left and right tibiae; complete left and right fibulae; 10 tarsals; 10 metatarsals; 19 phalanges.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose tooth.

Catalog No. 99.1/335, Burial No. 281 (Tigara Period)

Room 12 Mezzanine

•Age undetermined, sex undetermined
Incomplete right and incomplete, unsided fibula; 1 metatarsal; 6 phalanges.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 15 intact teeth.

Catalog No. 99.1/336, Burial No. 282 (Tigara Period)

Room 12 Mezzanine

•Adult, male
Hyoid; 23 vertebrae; complete sacrum; 22 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left patella; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 27 phalanges.

Room 17 Mezzanine

•Adult, probable male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 28 intact teeth.

Catalog No. 99.1/337, Burial No. 283 (Tigara Period) (Table 82)

Room 12 Mezzanine

•Adult, probable male

Complete sacrum; 24 vertebrae; 24 ribs/rib fragments; incomplete left and right scapulae; incomplete left and right clavicles; incomplete left and right humeri; incomplete left and right ulnae; incomplete left and right radii; 5 metacarpals; incomplete left and right innominates; incomplete left and right femurs; incomplete left and right patellae; incomplete left and right tibiae; incomplete left and right fibulae; 6 tarsals; 2 metatarsals; 2 phalanges.

Room 17 Mezzanine

•Adult, probable female

Incomplete cranial vault; incomplete cranial base; incomplete facial bones; incomplete mandible; 1 loose and 21 intact teeth.

Table 82.
Associated Funerary Object from Burial 283, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4472	modified faunal remains	thin, curved segment, ivory, w/ 7 pairs of lashing holes	incomplete

Catalog No. 99.1/338, Burial No. 285 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male

Complete sacrum; 21 vertebrae; 23 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 11 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 23 phalanges.

•Adult, female

Incomplete left innominate.

•Subadult, sex undetermined

Complete left tibia.

Room 17 Mezzanine

•Age undetermined, sex undetermined

Incomplete cranial vault; incomplete cranial base; incomplete facial bones; 2 intact and 2 loose teeth.

Catalog No. 99.1/338B, Burial No. 285 (Tigara Period)

Room 12 Mezzanine

•Subadult

Complete left tibia

Catalog No. 99.1/338C, Burial No. 285 (Tigara Period)

Room 12 Mezzanine

•Adult, female
Incomplete left innominate.

Catalog No. 99.1/339, Burial No. 286 (Tigara Period) (Table 83)

Room 12 Mezzanine

•Adult, male
Complete sacrum; 24 vertebrae; 22 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 14 carpals; 1 metacarpal; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 8 tarsals; 9 metatarsals; 17 phalanges.

Room 17 Mezzanine

•Adult, probable male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 31 intact and 4 loose teeth.

Table 83.
Associated Funerary Object from Burial 286, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4473	modified faunal remains	bola weight, ivory tusk section w/ suspension hole (Plate 89, Object 19)	complete

Catalog No. 99.1/340, Burial No. 287 (Tigara Period)

Room 12 Mezzanine

•Adult, male
Complete sacrum; hyoid; 10 ribs/rib fragments; incomplete sternum; complete left and incomplete right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 14 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right and incomplete left patellae; complete left and right tibiae; complete left and incomplete right fibulae; 10 tarsals; 10 metatarsals; 25 phalanges.
Comments: Note presence of patella from a second individual.

Room 17 Mezzanine

•Adult, probable male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 16 intact and 3 loose teeth.

Catalog No. 99.1/341, Burial No. 290 (Tigara Period) (Table 84)

Room 12 Mezzanine

•Subadult, sex undetermined
Incomplete cranium; 17 vertebrae; incomplete sacrum; 16 ribs/rib fragments; incomplete sternum; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 4 carpals;

10 metacarpals; complete left and right innominates; complete left and right femurs; incomplete right patella; complete left and right tibiae; complete left and incomplete right fibulae; 4 tarsals; 2 metatarsals; 22 phalanges.

Table 84.
Associated Funerary Objects from Burial 290, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4474	chipped stone	projectile point/knife (Plate 90, Object 9)	incomplete
60.2/4475	modified faunal remains	animal-tooth pendant (Plate 92, Object 5)	complete
60.2/4476	modified faunal remains	animal-tooth pendant (Plate 92, Object 6)	complete
60.2/4477	modified faunal remains	animal-tooth pendant (Plate 92, Object 7)	complete
60.2/4478	ground stone	amber bead, 0.7 mm diameter (Plate 92, Object 8)	complete
60.2/4479	ground stone	amber bead, 0.6 mm diameter (Plate 92, Object 9)	complete

Catalog No. 99.1/341, Burial No. 289 (Tigara Period)

Room 17 Mezzanine

•Subadult, sex undetermined
Incomplete cranial vault; incomplete cranial base; complete facial bones; complete mandible; 24 intact teeth.

Catalog No. 99.1/342, Burial No. 289 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined
Complete sacrum; 24 vertebrae; 23 ribs/rib fragments; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 10 tarsals; 10 metatarsals; 16 phalanges.

Room 17 Mezzanine

•Subadult, sex undetermined
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 25 intact teeth.

Catalog No. 99.1/343, Burial No. 291 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined
Complete sacrum; 24 vertebrae; 23 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 7 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 11 tarsals; 10 metatarsals; 17 phalanges.

Room 17 Mezzanine

•Subadult, sex undetermined
Incomplete cranial vault; complete cranial base; complete facial bones; complete mandible; 22 intact teeth.

Catalog No. 99.1/344, Burial No. 293 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Complete sacrum; 24 vertebrae; 22 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 5 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 10 tarsals; 10 metatarsals; 22 phalanges.

Room 17 Mezzanine

•Subadult, sex undetermined

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 26 intact and 9 loose teeth.

Catalog No. 99.1/345, Burial No. 294 (Tigara Period)

Room 12 Mezzanine

•Adult, female

Hyoid; 24 vertebrae; incomplete sacrum; 23 ribs/rib fragments; incomplete sternum; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 14 carpals; 10 metacarpals; incomplete left and complete right innominates; complete left and right femurs; incomplete right patella; complete left and right tibiae; 13 tarsals; 10 metatarsals; 29 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 25 intact teeth.

Catalog No. 99.1/346, Burial No. 295 (Tigara Period)

Room 12 Mezzanine

•Adult, male

Complete sacrum; 15 vertebrae; 16 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 14 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete right patella; complete left and right tibiae; complete left and right fibulae; 5 tarsals; 26 phalanges.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; complete facial bones; 9 intact teeth.

Catalog No. 99.1/347, Burial No. 250 (Tigara Period)

Room 12 Mezzanine

•Adult, probable female

Incomplete sacrum; 24 vertebrae; 5 ribs/rib fragments; incomplete sternum; incomplete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 6 carpals; 9 metacarpals; incomplete left and right innominates; complete left and right femurs; complete right patella; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 16 phalanges.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; incomplete cranial base; complete facial bones; incomplete mandible; 1 loose and 17 intact teeth.

Catalog No. 99.1/348, Burial No. 251 (Tigara Period)

Room 12 Mezzanine

•Adult, female
Complete sacrum; 1 loose tooth; 24 vertebrae; 5 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 8 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 9 tarsals; 8 metatarsals; 10 phalanges.

Catalog No. 99.1/349, Burial No. 298 (Tigara Period) (Table 85)

Room 12 Mezzanine

•Adult, male
Complete sacrum; 24 vertebrae; 19 ribs/rib fragments; complete sternum; complete right scapula; complete left and right clavicles; complete left and right humeri; complete right ulna; complete right radius; 10 carpals; 7 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae; 12 phalanges.
Comments: 1 animal bone is stored with these human skeletal remains.

Room 17 Mezzanine

•Adult, probable male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 27 intact teeth.

Table 85.
Associated Funerary Object from Burial 298, Point Hope

Catalog No.	Material Class	Description	Condition
n/a	modified faunal remains	uncataloged artifact; socket piece w/ flat tang, labeled "TB 298" (Tigara Burial 298)	complete

Catalog No. 99.1/350, Burial No. 300 (Tigara Period)

Room 12 Mezzanine

•Adult, female
Complete sacrum; 24 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 10 carpals; 9 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 8 tarsals; 12 metatarsals; 27 phalanges.

•Adult, male
Incomplete right femur.

•Adult, probable female
Incomplete left femur.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 30 intact teeth.

Catalog No. 99.1/351, Burial No. 396 (Tigara Period)

Room 12 Mezzanine

•Subadult, undetermined
Incomplete left and right scapulae; 3 loose teeth; 20 vertebrae; 20 ribs/rib fragments; complete left and right clavicles; complete left and incomplete right humeri; incomplete left ulna; incomplete left radius; complete left and right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae.

Room 17 Mezzanine

•Subadult, sex undetermined
Incomplete cranial vault; incomplete cranial base; incomplete facial bones; incomplete mandible; 14 intact teeth.

Catalog No. 99.1/352, Burial No. 301 (Tigara Period)

Room 12 Mezzanine

•Adult, female
Complete sacrum; 1 loose tooth; 24 vertebrae; complete sternum; incomplete left and complete right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 11 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 13 tarsals; 10 metatarsals; 18 phalanges.

Room 17 Mezzanine

•Adult, probable female
Complete mandible; 1 loose and 7 intact teeth.

Catalog No. 99.1/353, Burial No. 303 (Tigara Period)

Room 12 Mezzanine

•Adult, male
Hyoid; 24 vertebrae; complete sacrum; 23 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 16 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete right patella; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 6 metatarsals; 23 phalanges.

Room 17 Mezzanine

•Adult, probable male
Complete cranial vault; complete cranial base; complete facial bones; 6 intact and 3 loose teeth.

Catalog No. 99.1/354, Burial No. 303 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined
Complete sacrum; 5 vertebrae; 6 ribs/rib fragments; complete left clavicle; complete left and right humeri; complete right ulna; complete right radius; 1 metacarpal; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 2 tarsals; 1 phalange.
Comments: Included with these remains were 5 animal bones.

Room 17 Mezzanine

•Subadult, sex undetermined
Complete cranial vault; complete cranial base; complete facial bones; 1 loose and 9 intact teeth.

Catalog No. 99.1/355, Burial No. 304

Room 12 Mezzanine

•Adult, female
Complete sacrum; 2 loose teeth; 18 vertebrae; 23 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 5 carpals; 9 metacarpals; complete right innominate; incomplete left and complete right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 12 metatarsals; 9 phalanges.

•Adult, sex undetermined
Complete sternum; complete left humerus; complete left ulna; complete left radius; incomplete left femur.

•Subadult, sex undetermined
1 tarsal.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; 8 intact teeth.

•Adult, probable male
Complete mandible; 3 intact teeth.

Catalog No. 99.1/356, Burial No. 302 (Tigara Period) (Table 86)

Room 12 Mezzanine

•Subadult, sex undetermined
Vertebrae (10 centrums, 16 neural arch halves, 11 complete vertebrae).

Room 17 Mezzanine

•Subadult, sex undetermined
Incomplete cranial vault; complete cranial base; complete facial bones; incomplete mandible; 17 intact and 2 loose teeth.

Table 86.
Associated Funerary Object from Burial 302, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4482	ceramic	ceramic lamp; shallow, rectangular bowl	incomplete

Catalog No. 99.1/357, Burial No. 308 (Tigara Period)

Room 12 Mezzanine

•Adult, male

Complete sacrum; 24 vertebrae; 23 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 7 carpals; 8 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 11 tarsals; 6 metatarsals; 23 phalanges.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 26 intact and 2 loose teeth.

Catalog No. 99.1/357A, Burial No. 308 (Tigara Period)

Room 17 Mezzanine

•Adult, probable female

Incomplete cranial vault; incomplete cranial base.

Catalog No. 99.1/358, Burial No. 309 (Tigara Period)

Room 12 Mezzanine

•Adult, female

Complete sacrum; 5 vertebrae; 9 ribs/rib fragments; complete sternum; complete left and right scapulae; incomplete left ulna; incomplete left innominate; complete left femur; complete left patella; 2 tarsals; 1 metatarsal; 2 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones.

Catalog No. 99.1/359, Burial No. 310 (Tigara Period)

Room 12 Mezzanine

•Adult, female

Complete sacrum; 24 vertebrae; 27 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right humeri; complete left and right ulnae; complete left and right radii; 10 carpals; 9 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 31 metatarsals; 31 phalanges.

•Infant, sex undetermined

Petrous portion.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 31 intact teeth.

•Infant, sex undetermined
Incomplete cranial vault; incomplete cranial base; incomplete facial bones; incomplete mandible, incomplete, unsided ilium.

Catalog No. 99.1/360, Burial No. 311 (Tigara Period) (Table 87)

Room 12 Mezzanine

•Subadult, sex undetermined
Incomplete sacrum; 22 vertebrae; 21 ribs/rib fragments; incomplete left and complete right scapulae; complete left and right clavicles; incomplete left and right humeri; complete left and right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae; 4 tarsals.

Room 17 Mezzanine

•Subadult, sex undetermined
Incomplete cranial vault; complete cranial base; complete facial bones; incomplete mandible; 1 loose and 28 intact teeth.

Table 87.
Associated Funerary Objects from Burial 311, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4486	modified faunal remains	pendant?; egg-shaped piece, ivory, w/ hole for suspension (Plate 89, Object 18)	complete
60.2/4487	ground stone	ulu blade, slate (Plate 90, Object 16)	incomplete

Catalog No. 99.1/361, Burial No. 304

Room 12 Mezzanine

•Subadult, sex undetermined
Complete sacrum; 24 vertebrae; 21 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 11 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals.

Room 17 Mezzanine

•Subadult, sex undetermined
Complete cranial vault; complete cranial base; complete facial bones; 1 loose and 7 intact teeth.

Catalog No. 99.1/362, Burial No. 312 (Tigara Period) (Table 88)

Room 12 Mezzanine

•Adult, female

Complete sacrum; 16 vertebrae; 21 ribs/rib fragments; complete sternum; complete left scapula; incomplete left clavicle; complete left and right humeri; complete left and right ulnae; complete left and right radii; 3 carpals; 10 metacarpals; complete left and right innominates; 2 metatarsals; 8 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 4 intact teeth.

Table 88.
Associated Funerary Objects from Burial 312, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8853	modified faunal remains	"Antler? pick , weathered"; flattened point w/ hafting grooves	incomplete
60.1/8854	modified faunal remains	"Ivory scraper, dished, small, oval"; rounded, rectangular, bowl-shaped ivory piece; labeled "99.1/362"	complete

Catalog No. 99.1/363, Burial No. 313 (Tigara Period) (Table 89)

Room 12 Mezzanine

•Adult, probable male

Incomplete sacrum; 1 loose tooth; 18 vertebrae; 15 ribs/rib fragments; incomplete sternum; incomplete left and right scapulae; complete left and right clavicles; complete left and right humeri; incomplete right ulna; incomplete right radius; 3 carpals; 3 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 11 tarsals; 10 metatarsals; 10 phalanges.

Comments: An animal vertebra is stored with these remains.

Room 17 Mezzanine

•Adult, probable female

Complete mandible.

•Adult, probable male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 2 intact and 2 loose teeth.

Table 89.
Associated Funerary Objects from Burial 313, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8833	chipped stone	arrow point, barbed	complete
60.1/8852A	ceramic	potsherds, 4 pieces, w/ label "99.1/363" (in Cabinet 314, Tray 8)	incomplete
60.1/8855	modified faunal remains	blubber-hook barb, walrus penis bone; crescent-shaped piece, 2 hafting holes near 1 end, figure-8 hole in middle (Plate 89, Object 29)	complete

Catalog No. 99.1/364, Burial No. 314 (Tigara Period) (Table 90)

Room 12 Mezzanine

•Adult, male

Incomplete sacrum; 10 vertebrae; 22 ribs/rib fragments; complete sternum; complete left and right scapulae; 1 complete left and 2 complete right humeri; complete right ulna; complete right radius; 3 metacarpals; complete left and right innominates; complete left and right femurs; incomplete left patella; complete left and right tibiae; complete left and right fibulae; 3 tarsals; 5 phalanges.

•Probable adult, sex undetermined

Complete right humerus.

Comments: An animal claw is stored with these remains.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 17 intact teeth.

Table 90.
Associated Funerary Objects from Burial 314, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8856	modified faunal remains	"Movable harpoon foreshaft" (Plate 89, Object 10)	complete
60.1/8857	modified faunal remains	antler point, 2 barbs, tanged (Plate 89, Object 2)	complete

Catalog No. 99.1/365, Burial No. 315 (Tigara Period) (Table 91)

Room 12 Mezzanine

•Adult, female

Incomplete mandible; 13 vertebrae; incomplete sacrum; 17 ribs/rib fragments; incomplete left and complete right scapulae; complete left and right clavicles; complete left and right humeri; incomplete left and right ulnae; complete left and right radii; 4 carpals; 7 metacarpals; incomplete left and right innominates; complete left and right femurs; incomplete, unsided tibia; 6 tarsals; 4 metatarsals; 6 phalanges.

Table 91.
Associated Funerary Object from Burial 315, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8858	modified faunal remains	"99.1/365 Bone harpoon socket piece, stemmed perforation"; flat tang, bulbous socket, pierced through shaft	complete

Catalog No. 99.1/366, Burial No. 316 (Tigara Period)

Room 12 Mezzanine

•Adult, female

Incomplete sacrum; 23 vertebrae; 16 ribs/rib fragments; incomplete left and complete right scapulae; complete right humerus; complete left and right ulnae; complete left and right radii; 5 carpals; 6 metacarpals; complete left and

right innominates; incomplete left femur; complete right patella; incomplete left and complete right tibiae; complete left and right fibulae; 13 tarsals; 10 metatarsals; 7 phalanges.

Room 17 Mezzanine

•Adult, probable female
Complete mandible; 5 intact teeth.

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones.

•Infant/subadult, sex undetermined
Incomplete cranial vault.

Catalog No. 99.1/367, Burial No. 318 (Tigara Period) (Table 92)

Room 12 Mezzanine

•Age undetermined, sex undetermined
Incomplete sacrum; 24 vertebrae; 22 ribs/rib fragments; incomplete sternum; complete left and right scapulae; incomplete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 12 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 13 tarsals; 4 metatarsals; 22 phalanges.
Comments: 2 animal claws and 1 animal bone are stored with these remains.

Room 17 Mezzanine

•Adult, probable male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 4 intact teeth.

Table 92.
Associated Funerary Object from Burial 318, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8852C	ceramic	potsherd, 2 pieces labeled "99.1/367" (in Cabinet 314, Tray 8)	incomplete

Catalog No. 99.1/368, Burial No. 319 (Tigara Period) (Table 93)

Room 12 Mezzanine

•Adult, female
Complete sacrum; 23 vertebrae; 22 ribs/rib fragments; complete sternum; complete left and incomplete right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 9 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; incomplete left and complete right fibulae; 14 tarsals; 6 metatarsals; 9 phalanges.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible.

Table 93.
Associated Funerary Object from Burial 319, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8860	modified faunal remains	curved piece, antler, w/ 5 holes; sled shoe (Plate 89, Object 31)	incomplete

Catalog No. 99.1/369, Burial No. 320 (Tigara Period) (Table 94)

Room 12 Mezzanine

•Adult, probable female
Complete right humerus; 3 vertebrae; 7 ribs/rib fragments; incomplete left and complete right innominates; complete left and right femurs; complete left and right tibiae; incomplete left and right fibulae; 1 tarsal.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 4 intact teeth.

Table 94.
Associated Funerary Objects from Burial 320, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8852D	ceramic	potsherd, labeled "99.1/369"	incomplete
60.1/8861	modified faunal remains	"99.1/369 Bone harpoon socket piece, perforated stem"; flattened tang ("stem") w/ perforated hole	complete

Catalog No. 99.1/370, Burial No. 321 (Tigara Period)

Room 12 Mezzanine

•Adult, probable female
Complete left and incomplete right scapulae; 8 vertebrae; 21 ribs/rib fragments; complete left and right clavicles; complete left and incomplete right ulnae; complete left and incomplete right radii; 2 metacarpals.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 15 intact and 2 loose teeth.

Catalog No. 99.1/371, Burial No. 322 (Tigara Period)

Room 12 Mezzanine

•Adult, female
Complete sacrum; 24 vertebrae; 24 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 4 carpals; 9 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae; 10 tarsals; 8 metatarsals; 16 phalanges.
Comments: 6 animal bones are stored with these remains.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 26 intact teeth.

Catalog No. 99.1/372, Burial No. 323

Room 12 Mezzanine

•Adult, sex undetermined

Complete sacrum; 13 vertebrae; 4 ribs/rib fragments; incomplete left and right scapulae; complete left clavicle; incomplete left and complete right ulnae; complete right radius; 2 metacarpals; incomplete and complete left and 2 incomplete right femurs; complete left patella; complete left tibia; 14 tarsals; 6 metatarsals; 11 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete mandible; 1 intact and 2 loose teeth.

Catalog No. 99.1/373, Burial No. 324 (Tigara Period) (Table 95)

Room 12 Mezzanine

•Adult, probable female

Complete sacrum; 24 vertebrae; 24 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 12 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete right patella; complete left and right tibiae; complete left and right fibulae; 12 tarsals; 10 metatarsals.

Comments: 1 animal bone is stored with these remains.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 30 intact teeth.

Table 95.
Associated Funerary Object from Burial 324, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8852E	ceramic	potsherd, labeled "99.1/373"	incomplete

Catalog No. 99.1/374, Burial No. 325 (Table 96)

Room 12 Mezzanine

•Adult, female

Incomplete sacrum; 24 vertebrae; 24 ribs/rib fragments; complete left and right scapulae; incomplete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 13 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; incomplete left and right fibulae; 13 tarsals; 8 metatarsals; 21 phalanges.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 14 intact teeth.

Table 96.
Associated Funerary Objects from Burial 325, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8883	modified faunal remains	"99.1/374 Scapula shovel blade"	complete
60.1/8884	ceramic	2 potsherds, 8884a–8884b	incomplete

Catalog No. 99.1/375, Burial No. 327 (Tigara Period)

Room 12 Mezzanine

•Adult, female
Incomplete sacrum; 6 vertebrae; 12 ribs/rib fragments; complete left and right scapulae; incomplete right; complete left, and incomplete right ulnae; complete right radius; 1 metacarpal; complete left and right innominates; complete left and right femurs; complete left patella; complete left and right tibiae; complete right fibula; 5 tarsals; 4 metatarsals; 5 phalanges.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 24 intact teeth.

Catalog No. 99.1/375A, Burial No. 327 (Tigara Period) (Table 97)

Room 12 Mezzanine

•Age undetermined, sex undetermined
Incomplete right tibia

Room 17 Mezzanine

•Adult, probable female
Incomplete mandible; 2 intact teeth.

Table 97.
Associated Funerary Object from Burial 327, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8885	ceramic	3 potsherds	incomplete

Catalog No. 99.1/376, Burial No. 329 (Tigara Period)

Room 12 Mezzanine

Subadult, sex undetermined
Complete sacrum; 17 vertebrae; 23 ribs/rib fragments; complete left and right scapulae; complete left and right clavicles; complete left humerus; complete left ulna; complete left radius; 12 carpals; 10 metacarpals; complete left

and right innominates; incomplete left and right femurs; incomplete right tibia; incomplete, unsided fibula; 14 tarsals; 10 metatarsals; 25 phalanges.

Catalog No. 99.1/377, Burial No. 330 (Tigara Period)

Room 12 Mezzanine

•Adult, female

Complete sacrum; 24 vertebrae; 24 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 12 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; 14 tarsals; 10 metatarsals; 28 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 23 intact and 5 loose teeth.

Catalog No. 99.1/378, Burial No. 331 (Tigara Period) (Table 98)

Room 12 Mezzanine

•Adult, female

Complete sacrum; 24 vertebrae; 12 ribs/rib fragments; complete sternum; incomplete left and right scapulae; incomplete left and complete right clavicles; complete left and right humeri; complete right ulna; incomplete left and complete right radii; 2 metacarpals; complete left and right innominates; complete left and right femurs; 6 phalanges.

•Infant

Incomplete mandible; 2 intact teeth; incomplete left clavicle.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 22 intact and 3 loose teeth.

Comments: A note with these cranial remains indicates that there is some confusion whether these remains should be cataloged as 99.1/378, Burial No. 331, or 99.1/415, Burial No. 378.

Table 98.
Associated Funerary Object from Burial 331, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8886	ceramic	potsherd, base	incomplete

Catalog No. 99.1/379, Burial No. 332 (Tigara Period)

Room 12 Mezzanine

•Adult, male

Incomplete sacrum; 3 loose teeth; 24 vertebrae; 24 ribs/rib fragments; complete left and right scapulae; incomplete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 11 carpals; 9 metacarpals; incomplete left and complete right innominates; complete left and right femurs; complete

left and right patellae; complete left and right tibiae; complete left and right fibulae; 6 tarsals; 4 metatarsals; 14 phalanges.
Comments: A rodent skull is stored with these remains.

Room 17 Mezzanine

•Adult, female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 17 intact and 2 loose teeth.

Catalog No. 99.1/380, Burial No. 334 (Tigara Period) (Table 99)

Room 12 Mezzanine

•Age undetermined, sex undetermined
Complete sacrum.

•Adult, male
Complete sacrum; 24 vertebrae; 24 ribs/rib fragments; incomplete sternum; complete left and right scapulae; incomplete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 12 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae; 13 tarsals; 8 metatarsals; 17 phalanges.

Room 17 Mezzanine

•Adult, probable male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 20 intact teeth.

Table 99.
Associated Funerary Object from Burial 334, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8887	ground stone	vessel fragment, soapstone (Plate 91, Object 12)	incomplete

Catalog No. 99.1/381, Burial No. 336 (Tigara Period) (Table 100)

Room 12 Mezzanine

•Adult, male
Complete sacrum; 24 vertebrae; 24 ribs/rib fragments; incomplete sternum; complete left and right scapulae; incomplete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 4 carpals; 8 metacarpals; complete left and right innominates; complete left and right femurs; complete left patella; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 12 phalanges.
Comments: 4 animal bones are stored with these remains.

Room 17 Mezzanine

•Adult, probable male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 11 intact teeth.

Table 100.
Associated Funerary Object from Burial 336, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8888	ceramic	potsherd	incomplete

Catalog No. 99.1/382, Burial No. 337 (Tigara Period)

Room 12 Mezzanine

•Adult, male

Complete sacrum; 18 vertebrae; 20 ribs/rib fragments; complete left and right scapulae; incomplete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 13 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete right patella; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 16 phalanges.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 intact and 1 loose tooth.

Catalog No. 99.1/383, Burial No. 338 (Tigara Period) (Table 101)

Room 12 Mezzanine

•Adult, female

Incomplete sacrum; 9 vertebrae; 11 ribs/rib fragments; complete left and right scapulae; incomplete right clavicle; incomplete left and complete right humeri; complete and incomplete right ulnae; incomplete left and right radii; 9 carpals; 3 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 5 metatarsals; 13 phalanges.
Comments: 3 animal bones are stored with these remains.

Room 17 Mezzanine

•Adult, female

Complete cranial vault; complete cranial base; complete facial bones; 1 intact and 3 loose teeth.

Table 101.
Associated Funerary Objects from Burial 338, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8852H	ceramic	2 potsherds	incomplete
60.1/8863	modified faunal remains	harpoon head, ivory (Plate 89, Figure 7)	incomplete
60.1/8864	flora	"99.1/383 2 woodpieces, from bow"; flat, recurved-wood stave, cataloged as 8864a–8864b	incomplete, mended

Catalog No. 99.1/384, Burial No. 339 (Tigara Period) (Table 102)

Room 12 Mezzanine

•Subadult, sex undetermined

Complete sacrum; 24 vertebrae; 24 ribs/rib fragments; complete sternum; incomplete left and complete right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete

left and right radii; 2 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete, unsided patella; complete left and right tibiae; incomplete left and right fibulae; 10 tarsals; 8 metatarsals.
Comments: 1 animal bone is stored with these remains.

Room 17 Mezzanine

•Subadult, probable female
Incomplete cranial vault; complete cranial base; complete facial bones; complete mandible; 15 intact teeth.

Table 102.
Associated Funerary Objects from Burial 339, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8852I	ceramic	4 potsherds	incomplete

Catalog No. 99.1/385, Burial No. 340 (Tigara Period)

Room 12 Mezzanine

•Adult, sex undetermined
1 tarsal.

•Subadult, sex undetermined
Incomplete left and right scapulae; 1 loose tooth; 22 vertebrae; 13 ribs/rib fragments; incomplete, unsided clavicle; incomplete left and right humeri; incomplete left and right ulnae; incomplete left radius; 2 carpals; 4 metacarpals; incomplete left and right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae; 3 tarsals; 3 metatarsals; 1 phalange.

Room 17 Mezzanine

•Adult, male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 5 intact teeth.

•Subadult, sex undetermined
Incomplete cranial vault; complete cranial base; complete facial bones; complete mandible; 21 intact and 4 loose teeth.

Catalog No. 99.1/386, Burial No. 341 (Tigara Period)

Room 12 Mezzanine

•Adult, male
Complete sacrum; 24 vertebrae; 23 ribs/rib fragments; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 9 carpals; 13 metacarpals; complete left and right innominates; complete left and right femurs; complete right patella; complete left and right tibiae; complete left and right fibulae; 13 tarsals; 10 metatarsals; 23 phalanges.

Room 17 Mezzanine

•Age undetermined, probable male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 28 intact teeth.

Catalog No. 99.1/387, Burial No. 342 (Tigara Period) (Table 103)

Room 12 Mezzanine

•Adult, female

Complete left and right scapulae; 24 vertebrae; 24 ribs/rib fragments; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 8 carpals; 10 metacarpals; incomplete left and right innominates; complete left and right femurs; complete left patella; complete left and right tibiae; complete left and right fibulae; 10 tarsals; 8 metatarsals; 4 phalanges.

Comments: 4 animal bones are stored with these remains.

Room 17 Mezzanine

•Adult, female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 25 intact and 2 loose teeth.

Table 103.
Associated Funerary Objectsfrom Burial 342, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8852J	ceramic	3 potsherds	incomplete

Catalog No. 99.1/388, Burial No. 344 (Tigara Period)

Room 12 Mezzanine

•Age undetermined, sex undetermined

Incomplete right tibia.

•Adult, probable female

Complete sacrum; 18 vertebrae; 7 ribs/rib fragments; complete left and right scapulae; incomplete right clavicle; complete right radius; 3 carpals; 3 metacarpals; incomplete left and right innominates; complete left and right femurs; complete left patella; incomplete left and right fibulae; 2 tarsals; 5 metatarsals; 1 phalange.

Comments: 3 animal bones and 1 potsherd are stored with these remains.

Room 17 Mezzanine

•Adult, female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 17 intact teeth.

Catalog No. 99.1/388A, Burial No. 344 (Tigara Period)

Room 17 Mezzanine

•Adult, male

Complete cranial vault; complete cranial base; complete facial bones; 1 loose and 8 intact teeth.

Catalog No. 99.1/389, Burial No. 345 (Tigara Period) (Table 104)

Room 12 Mezzanine

•Subadult, sex undetermined

Complete left and right scapulae; 24 vertebrae; 21 ribs/rib fragments; incomplete left and complete right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 1 metacarpal; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 13 tarsals; 1 phalange.

Room 17 Mezzanine

•Adult, female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 25 intact teeth.

Table 104.
Associated Funerary Object from Burial 345, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8852L	ceramic	potsherd	incomplete

Catalog No. 99.1/390, Burial No. 346 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male

Complete right scapula; 5 vertebrae; 5 ribs/rib fragments; incomplete right clavicle; complete right humerus; incomplete right radius; 2 metacarpals; incomplete left and complete right innominates; complete left and right femurs; complete left and right tibiae; incomplete left fibula; 2 tarsals.

Room 17 Mezzanine

•Adult, male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 31 intact teeth.

Catalog No. 99.1/391, Burial No. 347 (Tigara Period) (Table 105)

Room 12 Mezzanine

•Adult, sex undetermined

1 metacarpal.

•Subadult, sex undetermined

Incomplete sacrum; 20 vertebrae; 17 ribs/rib fragments; complete left and incomplete right scapulae; complete left clavicle; complete left and incomplete right humeri; incomplete left and right ulnae; 1 carpal; incomplete left and right innominates; complete left and right femurs; complete, unsided patella; incomplete left and right tibiae; incomplete left and right fibulae; 4 tarsals; 4 metatarsals.

Room 17 Mezzanine

•Adult, female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 16 intact teeth.

Table 105.
Associated Funerary Object from Burial 347, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8850	ceramic	round bowl, 4 pieces, mended (Plate 91, Object 2)	incomplete

Catalog No. 99.1/392, Burial No. 348 (Table 106)

Room 12 Mezzanine

•Age undetermined, sex undetermined
Complete sacrum; 24 vertebrae; 24 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 4 carpals; 6 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and incomplete right fibulae; 8 tarsals; 4 metatarsals; 6 phalanges.
Comments: A bird-bone tube is stored with these remains.

Room 17 Mezzanine

•Adult, male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 29 intact teeth.

Table 106.
Associated Funerary Objects from Burial 348, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8852M	ceramic	potsherd	incomplete
60.1/8865	modified faunal remains	"Ivory arrowpoint, small, 2 barbs one side, 1 barb at right angle of point"	complete

Catalog No. 99.1/393, Burial No. 349 (Tigara Period)

Room 12 Mezzanine

•Adult, male
Complete sacrum; 24 vertebrae; 24 ribs/rib fragments; complete sternum; complete left and right scapulae; incomplete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 13 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 8 tarsals; 6 metatarsals.
Comments: A caribou-scapula shovel with 4 lashing holes and a bird-bone tube are stored with these remains.

Room 17 Mezzanine

•Adult, probable male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 31 intact teeth.

Catalog No. 99.1/394, Burial No. 350 (Tigara Period) (Table 107)

Room 12 Mezzanine

•Adult, probable female

Hyoid; 24 vertebrae; complete sacrum; 19 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left ulna; complete left radius; 12 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left tibia; complete left and right fibulae; 14 tarsals; 10 metatarsals; 30 phalanges.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 23 intact teeth.

Table 107.
Associated Funerary Objects from Burial 350, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8890A	ceramic	potsherd	incomplete
60.1/8890B	ceramic	potsherd	incomplete

Catalog No. 99.1/395, Burial No. 352 (Tigara Period) (Table 108)

Room 12 Mezzanine

•Adult, probable male

Hyoid; 14 vertebrae; complete sacrum; 18 ribs/rib fragments; incomplete sternum; incomplete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 8 carpals; 9 metacarpals; complete left and right innominates; complete left and right femurs; complete left patella; complete left and right tibiae; incomplete left and right fibulae; 3 tarsals; 1 metatarsal; 12 phalanges.

Table 108.
Associated Funerary Object from Burial 352, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8867	modified faunal remains	"Bone implement, dagger like, ice pick (?), half opened socket, sharpened point"	complete

Catalog No. 99.1/396, Burial No. 354 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male

Complete sacrum; 24 vertebrae; 12 ribs/rib fragments; incomplete sternum; incomplete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 13 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 13 tarsals; 9 metatarsals; 33 phalanges.

Room 17 Mezzanine

•Adult, male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 19 intact teeth.
Comments: 1 phalange is stored with the cranial remains.

Catalog No. 99.1/397, Burial No. 355 (Tigara Period) (Table 109)

Room 12 Mezzanine

•Adult, sex undetermined
Incomplete left fibula.

•Adult, male
Complete sacrum; 1 loose tooth; 24 vertebrae; 24 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 13 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 29 phalanges.

Room 17 Mezzanine

•Adult, male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 24 intact and 6 loose teeth.

Table 109.
Associated Funerary Objects from Burial 355, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8840	chipped stone	"Spearhead or knife?, Barbed"; tip broken	incomplete
60.1/8852N	ceramic	4 potsherds	incomplete

Catalog No. 99.1/398, Burial No. 356 (Tigara Period)

Room 12 Mezzanine

•Adult, sex undetermined
Complete left and right scapulae; 5 vertebrae; 6 ribs/rib fragments; complete left and right humeri; complete left radius; 1 metacarpal; complete left and right femurs; complete left and right tibiae; complete left and right fibulae; 11 tarsals; 7 metatarsals; 2 phalanges.
Comments: An animal vertebra and long bone shaft fragment are stored with these remains.

Room 17 Mezzanine

•Adult, sex undetermined
Incomplete cranial vault; complete mandible; 7 intact and 5 loose teeth.

Catalog No. 99.1/399, Burial No. 357 (Tigara Period) (Table 110)

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete sacrum; incomplete left and right humeri; incomplete left and right ulnae; incomplete right radius; incomplete left and right innominates; complete left and right femurs; complete left and incomplete right tibiae; incomplete, unsided fibula; 4 tarsals.

Room 17 Mezzanine

•Subadult, sex undetermined

Incomplete cranial vault; incomplete cranial base; incomplete facial bones; incomplete mandible; 6 intact and 16 loose teeth.

Table 110.
Associated Funerary Objects from Burial 357, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8852O	ceramic	pot, cupola shaped, in 5 pieces	complete
60.1/8891	modified faunal remains	"8891 a–b 99.1/399 2 fragments of whalebone shovel edge"; 1 face rabbetted, other face grooved for lashing through 4 perforated holes	fragmented, mended

Catalog No. 99.1/400, Burial No. 358 (Tigara Period) (Table 111)

Room 12 Mezzanine

•Adult, male

Hyoid; 24 vertebrae; 24 ribs/rib fragments; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 11 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 9 tarsals; 4 metatarsals; 22 phalanges (22).

Room 17 Mezzanine

•Adult, male

Incomplete cranial vault; incomplete cranial base; incomplete facial bones; incomplete mandible; 13 intact teeth.

Table 111.
Associated Funerary Objects from Burial 358, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8892	ceramic	3 potsherds, 8892a–8892c	incomplete

Catalog No. 99.1/401, Burial No. 359 (Tigara Period)

Room 12 Mezzanine

•Adult, sex undetermined

Incomplete sternum; 23 vertebrae; 11 ribs/rib fragments; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and incomplete right ulnae; complete left and right radii; 3 carpals; complete left and right femurs; incomplete, unsided fibula; 9 tarsals; 24 metacarpals/metatarsals/phalanges.

•Age undetermined, sex undetermined
Incomplete right clavicle; incomplete, unsided humerus.

Room 17 Mezzanine

•Adult, sex undetermined
Incomplete cranial vault; incomplete cranial base; incomplete facial bones; incomplete mandible; 23 intact teeth.

Catalog No. 99.1/402, Burial No. 360 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male
Hyoid; complete sacrum; 24 vertebrae; 24 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left humerus; complete left and right ulnae; complete left and right radii; 10 carpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 11 tarsals; 38 metacarpals/metatarsals/phalanges.

Room 17 Mezzanine

•Adult, male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 11 intact teeth.

Catalog No. 99.1/403, Burial No. 363 (Tigara Period) (Table 112)

Room 12 Mezzanine

•Adult, sex undetermined
Occipital fragment; 20 vertebrae; incomplete sacrum; 21 ribs/rib fragments; complete sternum; complete left scapula; complete right clavicle; complete left and right humeri; complete left ulna; complete left and right radii; 6 carpals; complete left femur; complete left patella; incomplete left tibia; incomplete unsided fibula; 11 tarsals; 21 phalanges.
Comments: 2 rocks were stored with these remains.

Room 17 Mezzanine

•Adult, sex undetermined
Complete cranial vault; incomplete cranial base; complete facial bones; complete mandible; 1 loose and 18 intact teeth.

Table 112.
Associated Funerary Objects from Burial 363, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8842	ground stone	whetstone, pentagonal cross section	complete
60.1/8852R	ceramic	potsherd w/ label "99.1/403"	incomplete
60.1/8869	modified faunal remains	"99.1/403 Ivory whale harpoon point, unfinished"; end of tusk, 1 side thinned to oval cross section	complete

Catalog No. 99.1/404, Burial No. 364 (Tigara Period) (Table 113)

Room 12 Mezzanine

•Adult, sex undetermined

Hyoid; 24 vertebrae; complete sacrum; 19 ribs/rib fragments; complete sternum; incomplete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 13 carpals; complete left and incomplete right innominates; complete left and right femurs; complete right patella; complete left and right tibiae; complete left and right fibulae; 11 tarsals; 43 metacarpals/metatarsals/ phalanges.

Room 17 Mezzanine

•Adult, male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 11 intact teeth.

Table 113.
Associated Funerary Objects from Burial 364, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8834	chipped stone	arrow point	complete
60.1/8835	chipped stone	arrow point, barbed	complete
60.1/8836	ground stone	slate knife blade	incomplete
60.1/8852S	ceramic	potsherd	incomplete
60.1/8852S	ceramic	4 unlabeled potsherds in tray labeled "TB364"; probably 60.1/8852S	incomplete

Catalog No. 99.1/405, Burial No. 365 (Tigara Period) (Table 114)

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete sacrum; 20 vertebrae; 21 ribs/rib fragments; complete left and incomplete right scapulae; complete left and right clavicles; incomplete left and right humeri; incomplete left ulna; incomplete left radius; 4 carpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 8 tarsals; 22 phalanges.

Room 17 Mezzanine

•Subadult; sex Undetermined; Complete Cranial Vault; Complete Cranial Base; Complete Facial Bones; Complete Mandible; Teeth: 20 Intact, 1 Loose.

Table 114.
Associated Funerary Object from Burial 365, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8893	modified faunal remains	"99.1/405 scapula shovel blade"	complete

Catalog No. 99.1/406, Burial No. 366 (Tigara Period) (Table 115)

Room 12 Mezzanine

•Subadult, sex undetermined

Hyoid; 24 vertebrae; incomplete sacrum; 20 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; incomplete left and right ulnae; incomplete left and right radii; 14 carpals; complete left and right innominates; complete left and right femurs; complete right patella; complete left and right tibiae; incomplete left and right fibulae; 14 tarsals; 40 metacarpals/metatarsals/ phalanges.

Room 17 Mezzanine

•Subadult, sex undetermined

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 23 intact teeth; incomplete sacrum; 1 metacarpal; 1 phalange.

Table 115.
Associated Funerary Object from Burial 366, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8894	ground stone	whetstone, small (Plate 90, Object 17)	incomplete

Catalog No. 99.1/407, Burial No. 367 (Tigara Period) (Table 116)

Room 12 Mezzanine

•Adult, probable male

Complete sacrum; 23 vertebrae; 29 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 15 carpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 10 tarsals; 53 metacarpals/metatarsals/phalanges.

Room 17 Mezzanine

•Adult, male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 32 intact teeth.

Table 116.
Associated Funerary Objects from Burial 367, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8852T	ceramic	10 potsherds, labeled "99.1/407"	incomplete
60.1/8870	modified faunal remains	"99.1/407 Bone harpoon foreshaft (?) stemmed"; flattened point & conical tang	complete

Catalog No. 99.1/408, Burial No. 368 (Tigara Period) (Table 117)

Room 12 Mezzanine

•Adult, probable male

Complete sacrum; 23 vertebrae; 17 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; incomplete left radius; 10 carpals; complete left and right innominates; complete left and right femurs; complete left and right

patellae; complete left and right tibiae; complete left and right fibulae; 12 tarsals; 40 metacarpals/metatarsals/phalanges.

•Adult, sex undetermined
Incomplete, unsided humerus; incomplete right innominate.

Comments: A small animal skull is stored with these remains.

Room 17 Mezzanine

•Adult, probable male
Complete cranial vault; complete cranial base; complete facial bones; 13 intact teeth.

Table 117.
Associated Funerary Objects from Burial 368, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8852U	ceramic	5 potsherds	incomplete
60.1/8871	modified faunal remains	"Bone harpoon socketed piece"; flat tang	complete

Catalog No. 99.1/409, Burial No. 369 (Tigara Period) (Table 118)

Room 12 Mezzanine

•Adult, probable female
Hyoid; 19 vertebrae; complete sacrum; 21 ribs/rib fragments; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and incomplete right ulnae; incomplete left radius; complete left and right innominates; complete left and right femurs; complete left and right tibiae; complete left and incomplete right fibulae; 3 tarsals; 9 metacarpals/metatarsals/phalanges.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 25 intact teeth.

Table 118.
Associated Funerary Object from Burial 369, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8843	ground stone	harpoon blade, slate (Plate 90, Object 14)	complete
60.1/8895	modified faunal remains	"99.1/409 Scapula shovel blade"	incomplete

Catalog No. 99.1/410, Burial No. 371 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male
Hyoid; 24 vertebrae; complete sacrum; 30 ribs/rib fragments; complete sternum; complete right scapula; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 15 carpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 11 tarsals; 38 metacarpals/metatarsals/phalanges.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 23 intact and 6 loose teeth.

Catalog No. 99.1/411, Burial No. 372 (Tigara Period) (Table 119)

Room 12 Mezzanine

•Subadult, sex undetermined

Complete sacrum; 24 ribs/rib fragments; incomplete left and complete right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; complete left and right innominates; complete left and right femurs; complete left and right tibiae; incomplete left and right fibulae; 5 tarsals; 16 metacarpals/ metatarsals; 10 phalanges.

Room 17 Mezzanine

•Subadult, sex undetermined

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 26 intact teeth.

Table 119.
Associated Funerary Objects from Burial 372, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4483	ceramic	pottery vessel, cupola shaped (Plate 91, Object 4)	incomplete
60.2/4483A	modified faunal remains	adze handle, ivory, w/ 2 hafting holes, incised skeleton fish/whale/seal motif; cataloged as a pottery vessel	complete
60.2/4483B	modified faunal remains	shaft w/ 2 hafting holes	complete
60.2/4484	ceramic	cupola-shaped bowl (Plate 91, Object 6)	incomplete
60.2/4484	composite	ivory-&-hide object, unknown function; hide handle w/ ivory ferrules at each end	complete

Catalog No. 99.1/412, Burial No. 373 (Tigara Period) (Table 120)

Room 12 Mezzanine

•Adult, female

Hyoid; 2 loose teeth; 24 vertebrae; complete sacrum; 24 ribs/rib fragments; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and incomplete right ulnae; complete left and right radii; 7 carpals; 9 metacarpals; complete left and right innominates; complete left and right femurs; complete left patella; complete left and right tibiae; incomplete left and right fibulae; 7 tarsals; 6 metatarsals; 16 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; incomplete facial bones; complete mandible; 1 loose and 29 intact teeth.

Table 120.
Associated Funerary Object from Burial 373, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4485	ceramic	potsherd, 7.7 cm diameter	incomplete

Catalog No. 99.1/413, Burial No. 376 (Tigara Period) (Table 121)

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete sacrum; 21 vertebrae; 21 ribs/rib fragments; incomplete sternum; incomplete left and right scapulae; complete left and right clavicles; incomplete left and right humeri; incomplete left and right ulnae; incomplete left and complete right radii; incomplete left and right innominates; incomplete left and complete right femurs; complete left and right patellae; complete left and right tibiae; incomplete, unsided fibula; 5 tarsals; 10 metatarsals; 3 phalanges.

Room 17 Mezzanine

•Subadult; sex undetermined

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; teeth: 27 intact.

Table 121.
Associated Funerary Objects from Burial 376, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8852V	ceramic	2 potsherds	incomplete

Catalog No. 99.1/414, Burial No. 377 (Tigara Period)

Room 12 Mezzanine

•Adult, female

Complete left and right scapulae; 22 vertebrae; 24 ribs/rib fragments; complete left and right clavicles; complete left and right humeri; complete left and right radii; 6 carpals; 8 metacarpals; complete left and right innominates; complete left and right femurs; complete left patella; complete left and right tibiae; incomplete, unsided fibula; 10 tarsals; 10 metatarsals; 6 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; incomplete facial bones; 32 intact teeth.

Catalog No. 99.1/415, Burial No. 378 (Tigara Period)

Room 12 Mezzanine

•Age undetermined, sex undetermined

Complete sacrum; 23 vertebrae; 23 ribs/rib fragments; incomplete sternum; incomplete left and complete right scapulae; 1 complete right and 2 incomplete left clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 14 carpals; 9 metacarpals; complete left and right innominate; complete left and right femurs; complete right patella; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 15 phalanges.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 14 intact and 5 loose teeth.

•Infant, sex undetermined
Complete cranial vault; complete cranial base; complete facial bones; complete mandible.

Catalog No. 99.1/416, Burial No. 379 (Tigara Period)

Room 12 Mezzanine

•Adult, probable female
Incomplete sacrum; 15 vertebrae; 18 ribs/rib fragments; incomplete left scapula; complete right clavicle; complete left and right humeri; incomplete right ulna; incomplete right radius; 6 carpals; incomplete left and right innominates; complete left and right femurs; complete right patella; complete left and right tibiae; complete left and incomplete right fibulae; 5 tarsals; 13 metacarpals/ metatarsals/phalanges.

Room 17 Mezzanine

•Adult, female
Complete cranial vault; complete cranial base; incomplete facial bones; complete mandible.
Comments: 1 phalange is stored with the cranial remains.

Catalog No. 99.1/417, Burial No. 380 (Tigara Period) (Table 122)

Room 12 Mezzanine

•Adult, probable female
Complete sacrum; 23 vertebrae; 27 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 12 carpals; incomplete left and complete right innominates; complete left and right femurs; complete left patella; complete left and right tibiae; complete left and right fibulae; 13 tarsals; 34 metacarpals/metatarsals/ phalanges.

Room 17 Mezzanine

•Adult, female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 31 intact teeth.

Table 122.
Associated Funerary Objects from Burial 380, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8896	ground stone	ulu blade, slate, labeled "99.1-417" (Plate 90, Object 28)	incomplete
60.1/8897	ceramic	"Clay lamp"; blackened, shallow, mended (Plate 91, Object 1)	complete

Catalog No. 99.1/418, Burial No. 381 (Tigara Period) (Table 123)

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete sternum; 2 loose teeth; 21 vertebrae; 27 ribs/rib fragments; complete left and right scapulae; complete left and right clavicles; incomplete left and right humeri; incomplete left and right ulnae; incomplete left and right radii; incomplete left and right innominates; incomplete left and right femurs; incomplete left and right tibiae; incomplete left and right fibulae; 24 metacarpals/metatarsals/phalanges.

Room 17 Mezzanine

•Subadult, sex undetermined

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 20 intact teeth.

Table 123.
Associated Funerary Objects from Burial 381, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8844	ground stone	ulu knife blade, slate	complete
60.1/8845	unmodified faunal remains	whelk shell, weathered	incomplete
60.1/8852X	ceramic	potsherd	incomplete
60.1/8872	modified faunal remains	harpoon point, 3 barbs (Plate 89, Object 8)	complete
60.1/8873	modified faunal remains	ivory piece w/ carved slot, function unknown (Plate 89, Object 11)	incomplete
60.1/8874	modified faunal remains	"Ivory tip of lance shaft?" (Plate 89, Object 30)	complete
60.1/8875	modified faunal remains	bola; section of tusk w/ hole	complete
60.1/8876	modified faunal remains	"Ivory ferrule, fragmentary"	incomplete
60.1/8877	modified faunal remains	bola, unfinished; section of tusk w/ groove around center	complete
60.1/8878	modified faunal remains	"Pendant?"; rectangular piece, ivory, pierced at 1 end	complete
60.1/8898	ceramic	potsherd	incomplete

Catalog No. 99.1/419, Burial No. 382 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete sacrum; 23 vertebrae; 21 ribs/rib fragments; complete left and right scapulae; complete left and right clavicles; incomplete left and right humeri; incomplete left and right ulnae; incomplete left and right radii; 1 carpal; complete left and right innominates; complete left and right femurs; complete left and right patellae; incomplete left and right tibiae; incomplete left and right fibulae; 3 tarsals; 21 metacarpals/metatarsals/phalanges.

Catalog No. 99.1/420, Burial No. 383 (Tigara Period) (Table 124)

Room 12 Mezzanine

•Adult, probable female

Hyoid; 7 vertebrae; incomplete sacrum; 4 ribs/rib fragments; incomplete left and right scapulae; complete left and right clavicles; incomplete left and complete right humeri; complete left and right ulnae; complete right radius;

8 carpals; incomplete left and complete right innominates; complete left and right femurs; complete left and right tibiae; incomplete right fibula; 5 tarsals; 20 metacarpals/metatarsals/phalanges.

Room 17 Mezzanine

•Adult, female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 7 intact teeth.

Table 124.
Associated Funerary Object from Burial 383, Point Hope

Catalog No.	Material Class	Description	Condition
n/a	modified faunal remains	uncataloged arrowhead, antler; pointed tang, 2 barbs on 1 side, slot for end blade; labeled "TB383" (Tigara Burial 383)	complete

Catalog No. 99.1/421, Burial No. 384 (Tigara Period) (Table 125)

Room 12 Mezzanine

•Adult, probable female
Incomplete sacrum; 15 vertebrae; 18 ribs/rib fragments; incomplete sternum; incomplete right scapula; complete left and right clavicles; complete left and right humeri; complete left ulna; complete left and right radii; 14 carpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 12 tarsals; 52 metacarpals/metatarsals/phalanges.

Room 17 Mezzanine

•Adult, female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 21 intact teeth.

Table 125.
Associated Funerary Object from Burial 384, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4486	ceramic	"Clay lamp"; blackened, round, shallow (Plate 91, Object 3)	complete

Catalog No. 99.1/422, Burial No. 384 (Tigara Period)

Room 12 Mezzanine

•Adult, probable female
Complete sacrum; 21 vertebrae; 14 ribs/rib fragments; complete sternum; incomplete left and right scapulae; complete right clavicle; complete left and right humeri; complete left and right ulnae; complete left and right radii; 11 carpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; incomplete right tibia; complete left and right fibulae; 8 tarsals; 22 metacarpals/metatarsals/phalanges.

•Adult, sex undetermined
Incomplete cranium; incomplete mandible; 2 loose teeth; 24 vertebrae; incomplete sacrum; 20 ribs/rib fragments; complete sternum; incomplete left scapulae; 7 carpals; incomplete left and right innominates; complete left tibia; 3 tarsals; 20 phalanges.

•Age undetermined, sex undetermined
Incomplete cranium; incomplete sternum; incomplete right scapula; incomplete left innominate.

Room 17 Mezzanine

•Adult, female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 31 intact teeth.

Catalog No. 99.1/423, Burial No. 386 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male
Incomplete mandible; 2 intact teeth; hyoid; 21 vertebrae; incomplete sacrum; 16 ribs/rib fragments; complete left and incomplete right scapulae; complete right clavicle; complete left and right humeri; incomplete left and right ulnae; incomplete left and right radii; 8 carpals; incomplete left and complete right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 12 tarsals; 23 metacarpals/metatarsals/phalanges.

Room 17 Mezzanine

•Adult, female
Complete cranial vault; complete cranial base; incomplete facial bones; complete mandible; 11 intact and 5 loose teeth.

Catalog No. 99.1/424, Burial No. 387 (Tigara Period)

Room 12 Mezzanine

•Adult, probable female
Cranial vault fragment; 20 vertebrae; complete sacrum; 21 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete left and incomplete right humeri; incomplete left and right ulnae; complete right and incomplete left radii; 9 carpals; complete left and right innominates; complete left and right femurs; complete left patella; complete left and right tibiae; complete left and right fibulae; 13 tarsals; 37 metacarpals/metatarsals/phalanges.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault, complete cranial base, complete facial area; complete mandible; 1 loose and 20 intact teeth.

•Age undetermined, sex undetermined
Incomplete cranial vault.

Catalog No. 99.1/425, Burial No. 385 (Tigara Period)

Room 12 Mezzanine

•Adult, probable female
Complete sacrum; 24 vertebrae; 21 ribs/rib fragments; incomplete left and right scapulae; complete left and right clavicles; incomplete left and right humeri; incomplete left and right ulnae; incomplete left and right radii; 7 carpals; incomplete left and complete right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and incomplete right fibulae; 7 tarsals; 28 metacarpals/metatarsals/phalanges.

Room 17 Mezzanine

•Adult, sex undetermined
Complete cranial vault; complete cranial base; incomplete facial bones; complete mandible; 24 intact and 2 loose teeth.

Catalog No. 99.1/426, Burial No. 389 (Tigara Period) (Table 126)

Room 12 Mezzanine

•Adult, probable male
Complete sacrum; 17 vertebrae; 1 rib/rib fragment; incomplete left and right scapulae; incomplete left and complete right clavicles; incomplete left and complete right humeri; complete left and right ulnae; complete left and right radii; 12 carpals; incomplete left and complete right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and incomplete right fibulae; 10 tarsals; 40 metacarpals/metatarsals/phalanges.

Room 17 Mezzanine

•Adult, probable male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 29 intact teeth; 1 carpal.

Table 126.
Associated Funerary Objects from Burial 389, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8852	ceramic	potsherd	incomplete
60.1/8852Y	ceramic	potsherd	incomplete
60.1/8889	ceramic	potsherd, base	incomplete
60.1/8899	ground stone	ulu blade, slate	complete
60.1/8900	modified faunal remains	"99.1/426 Arrowhead with broken tang, antler"	incomplete

Catalog No. 99.1/427, Burial No. 390 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined
Incomplete left and right humeri; 2 loose teeth; 10 vertebrae; 21 ribs/rib fragments; incomplete, unsided radius; incomplete, unsided innominate; incomplete left and right femurs; incomplete left and right tibiae; incomplete left and right fibulae.

•Adult, sex undetermined
Incomplete, unsided tibia.

Room 17 Mezzanine

•Subadult, sex undetermined
Complete cranial vault; incomplete cranial base; complete facial bones; complete mandible; 1 loose and 15 intact teeth.

Catalog No. 99.1/428, Burial No. 391 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male

Complete sacrum; 23 vertebrae; 17 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and incomplete right ulnae; 4 carpals; complete left and right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae; 12 tarsals; 33 metatarsals/phalanges.

•Age undetermined, sex undetermined

Incomplete right clavicle.

Room 17 Mezzanine

•Adult, male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 25 intact and 2 loose teeth.

Catalog No. 99.1/429, Burial No. 392 (Tigara Period) (Table 127)

Room 12 Mezzanine

•Adult, sex undetermined

Hyoid; 24 vertebrae; complete sacrum; 20 ribs/rib fragments; incomplete sternum; complete left and right scapulae; incomplete left and complete right clavicles; incomplete left and complete right humeri; complete left and right ulnae; complete left and right radii; 14 carpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 12 tarsals; 39 metacarpals/metatarsals/ phalanges.

Room 17 Mezzanine

•Adult, probable female

1 loose and 29 intact teeth.

Table 127.
Associated Funerary Objects from Burial 392, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8901	ceramic	bowl, blackened (Plate 91, Object 5)	complete
60.1/8902	modified faunal remains	antler fragment, burned, w/ incised concentric-circles motif (Plate 91, Object 8)	incomplete

Catalog No. 99.1/430, Burial No. 395 (Tigara Period)

Room 12 Mezzanine

•Adult, sex undetermined

Complete sacrum; 24 vertebrae; 11 ribs/rib fragments; incomplete sternum; complete left and right scapulae; incomplete left and right clavicles; incomplete left and right humeri; complete left and right ulnae; complete left and incomplete right radii; 6 carpals; incomplete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 4 tarsals; 14 metacarpals/metatarsals/ phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 21 intact teeth.

Catalog No. 99.1/431, Burial No. 396 (Tigara Period)

Room 12 Mezzanine

•Adult, male

Complete sacrum; 24 vertebrae; 22 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 8 carpals; complete left and incomplete right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; incomplete left and right fibulae; 10 tarsals; 25 metacarpals/metatarsals/phalanges.

Room 17 Mezzanine

•Adult, male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 30 intact teeth.

Catalog No. 99.1/432, Burial No. 397 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male

Complete sacrum; 13 vertebrae; 15 ribs/rib fragments; incomplete sternum; complete left scapula; complete right clavicle; complete left and right radii; 1 carpal; complete left and right innominates; complete left and right femurs; incomplete left tibia; incomplete, unsided fibula; 2 tarsals; 8 metacarpals/metatarsals/phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; 2 intact teeth.

Catalog No. 99.1/433, Burial No. 398 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Complete sacrum; 16 vertebrae; 24 ribs/rib fragments; complete sternum; incomplete, unsided scapula; incomplete left and right radii; incomplete left and right femurs; incomplete left and right tibiae;
11 metacarpals/metatarsals/phalanges.

Room 17 Mezzanine

•Subadult, sex undetermined

Incomplete cranial vault; incomplete cranial base; complete facial bones; incomplete mandible; 1 loose and 23 intact teeth.

Catalog No. 99.1/434, Burial No. 399 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male

Incomplete sacrum; 22 vertebrae; 22 ribs/rib fragments; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; complete left and right femurs; complete right patella; complete left and right tibiae; complete left and incomplete right fibulae; 16 metacarpals/metatarsals; 19 phalanges.

Room 17 Mezzanine

•Adult, male

Complete mandible; 22 intact teeth.

Catalog No. 99.1/435, Burial No. 400 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male

Complete sacrum; 1 loose tooth; 23 vertebrae; 25 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; incomplete left and complete right ulnae; incomplete left and complete right radii; 6 carpals; 16 metacarpals; complete left and right innominates; complete left and right femurs; complete left patella; complete left and right tibiae; complete left and right fibulae; 16 metatarsals; 11 phalanges.

Comments: 1 artifact is stored with the remains; a modified antler piece, which is long and has notched, perforated ends.

Room 17 Mezzanine

•Adult, male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 15 intact and 4 loose teeth.

Catalog No. 99.1/435A, Burial No. 400 (Tigara Period)

Room 12 Mezzanine

•Age undetermined, sex undetermined

Complete right scapula.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; complete facial bones; 1 loose and 2 intact teeth.

Catalog No. 99.1/436, Burial No. 401 (Tigara Period) (Table 128)

Room 12 Mezzanine

•Adult, probable male

Hyoid; 24 vertebrae; complete sacrum; 22 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 10 carpals; complete left and right innominates; complete left and incomplete right femurs; complete right patella; complete left and right tibiae; 12 metatarsals; 29 phalanges.

Room 17 Mezzanine

•Adult, male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 32 intact teeth.

Table 128.
Associated Funerary Objects from Burial 401, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8902	modified faunal remains	"Pottery Paddle" (Plate 91, Object 8)	missing
60.1/8903	ground stone	knife, slate (Plate 90, Object 22)	complete
60.1/8904	modified faunal remains	"Dagger," incised, antler (Plate 89, Object 14)	complete
60.1/8905	modified faunal remains	"99.1/436 Worked piece of walrus skull"; irregular piece, worked, bone	incomplete
60.2/4487	ground stone	blade, broken, slate	incomplete

Catalog No. 99.1/437, Burial No. 403 (Tigara Period) (Table 129)

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete cranium; incomplete mandible; 17 vertebrae; 12 ribs/rib fragments; complete left and right humeri; complete, unsided ulna; complete, unsided radius; incomplete left and right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae.

Room 17 Mezzanine

•Subadult, sex undetermined

Complete cranial vault; complete cranial base; complete facial bones; incomplete mandible; 1 loose and 14 intact teeth; incomplete left ilium.

Table 129.
Associated Funerary Objects from Burial 403, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8906	ceramic	potsherd, w/ concentric-circles decoration (Plate 91, Object 10)	incomplete
60.1/8907	ground stone	knife blade, slate, double edged, tanged	incomplete
60.1/8908	modified faunal remains	"99.1/437 Piece of walrus tusk"; pointed tusk fragment	incomplete

Catalog No. 99.1/438, Burial No. 404 (Tigara Period)

Room 12 Mezzanine

•Adult, sex undetermined

Incomplete sacrum; 24 vertebrae; incomplete left and complete right scapulae; complete left and right clavicles; 27 ribs/rib fragments; complete left and right humeri; complete left and right ulnae; incomplete left and complete right radii; incomplete left and right innominates; incomplete left and right femurs; incomplete left and right tibiae; 14 tarsals; 15 metacarpal/metatarsal/ phalanges.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 24 intact teeth.

Catalog No. 99.1/439, Burial No. 405 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male
Hyoid; 24 vertebrae; complete sacrum; 22 ribs/rib fragments; incomplete sternum; incomplete left and right scapulae; incomplete left clavicle; complete left humerus; complete left and right ulnae; complete left and right radii; 7 carpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left fibula; 2 tarsals; 15 metacarpals/metatarsals/phalanges.

Room 17 Mezzanine

•Adult, male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 32 intact teeth.
Comments: 3 loose teeth from a second individual are with these remains.

Catalog No. 99.1/440, Burial No. 406 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined
Incomplete sternum; 23 vertebrae; 15 ribs/rib fragments; incomplete left scapula; incomplete left and right clavicles; incomplete left and complete right humeri; incomplete left ulna; incomplete left and right radii; 2 carpals; incomplete, unsided innominate; incomplete left and complete right femurs; complete left and right tibiae; incomplete left and right fibulae; 9 tarsals; 24 metacarpals/metatarsals/phalanges.

•Age undetermined, sex undetermined
Incomplete right humerus.

Room 17 Mezzanine

•Adult, probable female
Complete mandible; 1 intact and 1 loose tooth.

Catalog No. 99.1/441, Burial No. 407 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male
Incomplete sacrum; 24 vertebrae; 19 ribs/rib fragments; complete sternum; incomplete left and right scapulae; complete left and right clavicles; incomplete left and complete right humeri; complete left and right ulnae; complete left and right radii; 15 carpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 12 tarsals; 31 metacarpals/metatarsals/phalanges.

Room 17 Mezzanine

•Adult, male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 27 intact teeth.

Catalog No. 99.1/442, Burial No. 408 (Tigara Period)

Room 12 Mezzanine

•Adult, probable female

Incomplete sacrum; 24 vertebrae; 21 ribs/rib fragments; incomplete sternum; incomplete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 14 carpals; complete left and incomplete right innominates; complete left and right femurs; complete left and incomplete right tibiae; complete left and incomplete right fibulae; 12 tarsals; 29 metacarpals/metatarsals/ phalanges.

Room 17 Mezzanine

•Adult, female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 24 intact and 3 loose teeth.

Catalog No. 99.1/443, Burial No. 411 (Tigara Period)

Room 12 Mezzanine

•Infant, sex undetermined

Incomplete sternum; 10 vertebrae; 14 ribs/rib fragments; incomplete left scapula; incomplete, unsided clavicle; incomplete left and right innominates.

Room 17 Mezzanine

•Infant, sex undetermined

Complete cranial vault; complete cranial base; incomplete facial bones; complete mandible; 2 intact and 7 loose teeth; 2 ribs; incomplete left and right innominates.

Catalog No. 99.1/444, Burial No. 412 (Tigara Period) (Table 130)

Room 12 Mezzanine

•Adult, probable female

Incomplete sacrum; 18 vertebrae; 20 ribs/rib fragments; complete left and right scapulae; incomplete sternum; complete left and right clavicles; complete left and right humeri; complete left and incomplete right ulnae; complete left and right radii; 10 carpals; incomplete left and right innominates; complete left and right femurs; complete left patella; complete left and right tibiae; complete left and right fibulae; 12 tarsals; 47 metacarpals/metatarsals/ phalanges.

Comments: 2 animal bones are stored with these remains.

Room 17 Mezzanine

•Adult, female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 32 intact teeth.

Table 130.
Associated Funerary Objects from Burial 412, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8909	ceramic	2 potsherds (Plate 91, Object 11)	incomplete

Catalog No. 99.1/445, Burial No. 413 (Tigara Period) (Table 131)

Room 12 Mezzanine

•Adult, probable male

Complete sacrum; 1 loose tooth; 14 vertebrae; 16 ribs/rib fragments; incomplete sternum; complete left and incomplete right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 1 carpal; complete left and incomplete right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae; 3 tarsals; 16 metacarpals/metatarsals/phalanges.

Room 17 Mezzanine

•Adult, male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 17 intact teeth.

Table 131.
Associated Funerary Object from Burial 413, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8852A	ceramic	potsherd w/ label "TB413" (in Cabinet 313, Tray 1)	incomplete

Catalog No. 99.1/446, Burial No. 414 (Tigara Period) (Table 132)

Room 12 Mezzanine

•Adult, sex undetermined

Incomplete sacrum; 24 vertebrae; 19 ribs/rib fragments; complete left and right scapulae; incomplete left and complete right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 12 carpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 13 tarsals; 53 metacarpals/metatarsals/phalanges.

Room 17 Mezzanine

•Adult, male

Complete mandible; 26 intact and 2 loose teeth.

Table 132.
Associated Funerary Objects from Burial 414, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8910	ground stone	ulu blade	incomplete
60.1/8911	modified faunal remains	"99.1/446 Arrowhead, antler, one barb, broken tang"	incomplete
60.1/8912	modified faunal remains	projectile point, antler (Plate 89, Object 4)	complete
60.1/8913	modified faunal remains	"99.1/446 Arrowhead, antler, one barb, conical tang"	complete
60.1/8914	modified faunal remains	harpoon point (?), antler (Plate 89, Object 1)	complete
60.1/8915	modified faunal remains	"99.1/446 Arrowhead, antler, three barbs, conical tang"	complete
60.1/8916	modified faunal remains	"99.1/446 Arrowhead, antler, three small barbs, fragment"	incomplete

Catalog No. 99.1/447, Burial No. 415 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male

Complete sacrum; 22 vertebrae; 22 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 8 carpals; incomplete left and right innominates; complete left and right femurs; incomplete left tibia; complete left and right fibulae; 6 tarsals; 16 metacarpals/metatarsals; 19 phalanges.

Comments: 1 animal bone is stored with these remains.

Room 17 Mezzanine

•Adult, male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 30 intact teeth.

Catalog No. 99.1/448, Burial No. 418 (Tigara Period)

Room 12 Mezzanine

•Adult, sex undetermined

Incomplete left and right scapulae; 20 vertebrae; 22 ribs/rib fragments; incomplete left and right clavicles; complete and incomplete, unsided humeri; complete, unsided ulna; incomplete left and right innominates; incomplete left and complete right femurs; incomplete, unsided tibia; incomplete, unsided fibula; 2 metacarpals/metatarsals; 2 phalanges.

Room 17 Mezzanine

•Subadult, sex undetermined

Complete cranial vault; complete cranial base; incomplete facial bones; incomplete mandible; 1 intact and 6 loose teeth.

Catalog No. 99.1/449, Burial No. 419 (Tigara Period) (Table 133)

Room 12 Mezzanine

•Adult, probable female

Incomplete sacrum; 1 loose tooth; 24 vertebrae; 24 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 4 carpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 16 metacarpals/metatarsals; 21 phalanges.

Room 17 Mezzanine

•Adult, sex undetermined

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 30 intact teeth.

Table 133.
Associated Funerary Objects from Burial 419, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8917	ceramic	potsherd, rim fragment	incomplete
60.1/8918	modified faunal remains	"99.1/449 Fragment bird dart, side prong (?), two barbs"	incomplete

Catalog No. 99.1/450, Burial No. 420 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male

Incomplete sacrum; 20 vertebrae; complete sternum; incomplete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 10 metacarpals; complete left and incomplete right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; incomplete left and complete right fibulae; 10 metatarsals; 24 phalanges.

Comments: 1 animal bone is stored with these remains.

Room 17 Mezzanine

•Adult, male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 24 intact teeth.

Catalog No. 99.1/451, Burial No. 421 (Tigara Period)

Room 12 Mezzanine

•Adult, sex undetermined

Incomplete left and right scapulae; 22 vertebrae; 22 ribs/rib fragments; incomplete left and right clavicles; incomplete left and complete right humeri; incomplete left and right ulnae; incomplete left and right radii; incomplete left and right innominates; incomplete left and right femurs; complete right patella; complete left and incomplete right tibiae; incomplete left and right fibulae; 8 tarsals; 19 metacarpals/metatarsals; 19 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 5 loose teeth.

Catalog No. 99.1/452, Burial No. 422 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male

Incomplete sacrum; 20 vertebrae; 20 ribs/rib fragments; incomplete sternum; incomplete left and right scapulae; incomplete left and right clavicles; incomplete left and right humeri; incomplete left and right ulnae; incomplete left and right radii; 5 carpals; incomplete left and right innominates; complete left and right femurs; complete left and right patellae; incomplete left and right tibiae; incomplete left and right fibulae; 10 tarsals; 8 metacarpals/metatarsals; 12 phalanges.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 7 intact teeth.

Catalog No. 99.1/453, Burial No. 423 (Tigara Period) (Table 134)

Room 12 Mezzanine

•Adult, probable male

Complete sacrum; 23 vertebrae; 24 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and

right radii; 14 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 13 tarsals; 10 metatarsals; 31 phalanges.

•Adult, sex undetermined
Complete left patella; 8 vertebrae; 8 tarsals.

Room 17 Mezzanine

•Adult, male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 30 intact teeth.

Table 134.
Associated Funerary Object from Burial 423, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4488	modified faunal remains	arrowhead, barbed, tanged, antler (Plate 89, Object 3)	complete

Catalog No. 99.1/454, Burial No. 424 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined
Incomplete sacrum; 1 loose tooth; 24 vertebrae; 23 ribs/rib fragments; incomplete left and right scapulae; incomplete left and complete right clavicles; incomplete left and right humeri; incomplete left and complete right ulnae; complete and incomplete, unsided radii; 9 carpals; complete left and incomplete right innominates; complete left and right femurs; complete left patella; complete and incomplete, unsided tibiae; 14 tarsals; 18 metacarpals/metatarsals; 7 phalanges.

Room 17 Mezzanine

•Adult, sex undetermined
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 30 intact teeth.

Catalog No. 99.1/455, Burial No. 425 (Tigara Period) (Table 135)

Room 12 Mezzanine

•Adult, probable female
Complete sacrum; 23 vertebrae; 21 ribs/rib fragments; complete sternum; incomplete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 10 carpals; complete left and incomplete right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae; 18 metacarpals/metatarsals; 23 phalanges.

Room 17 Mezzanine

•Adult, female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible.

Table 135.
Associated Funerary Objects from Burial 425, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8852B	ceramic	3 potsherds (in Cabinet 313, Tray 1)	incomplete

Catalog No. 99.1/456, Burial No. 426 (Tigara Period) (Table 136)

•Infant, sex undetermined
Incomplete, unsided innominate; incomplete left and right femurs; incomplete, unsided tibia.

Room 17 Mezzanine

•Subadult, sex undetermined
Complete cranial vault; complete cranial base; 2 loose teeth.

Table 136.
Associated Funerary Object from Burial 426, Point Hope

Catalog No.	Material Class	Description	Condition
n/a	modified faunal remains	uncataloged artifact; similar to other pieces described as shovel edges; section of whale rib w/ grooves for shovel body, pierced w/ 4 holes, grooved from holes to edge for lashing to body; labeled "TB426" (Tigara Burial 426)	complete

Catalog No. 99.1/457, Burial No. 427 (Tigara Period)

•Infant, sex undetermined
Incomplete sternum; 20 vertebrae; 10 ribs/rib fragments; complete and incomplete, unsided humeri; incomplete left and right ulnae; complete, unsided radius; incomplete left and right innominates; incomplete left and complete right femurs; incomplete, unsided tibia; 1 metacarpal/metatarsal.

Room 17 Mezzanine

•Infant, sex undetermined
Complete cranial vault.

Catalog No. 99.1/458, Burial No. 428 (Tigara Period)

Room 12 Mezzanine

•Adult, probable female
Hyoid; 18 vertebrae; complete sacrum; 12 ribs/rib fragments; incomplete left and right scapulae; incomplete left and complete right clavicles; incomplete left and complete right humeri; incomplete left and complete right ulnae; incomplete left and complete right radii; complete left and right femurs; complete left and right patellae; incomplete left and right tibiae; complete left and incomplete right fibulae; 13 tarsals; 16 metacarpals/metatarsals; 7 phalanges.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 3 intact teeth.

Catalog No. 99.1/459, Burial No. 429 (Tigara Period)

Room 12 Mezzanine

•Adult, female

Complete sacrum; 1 loose tooth; 24 vertebrae; 25 ribs/rib fragments; incomplete sternum; incomplete left and complete right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 5 carpals; complete left and right innominates; complete left and right femurs; complete right patella; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 19 metacarpals/metatarsals; 25 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 24 intact teeth.

Catalog No. 99.1/460, Burial No. 430 (Tigara Period)

Room 12 Mezzanine

•Adult, sex undetermined

Incomplete sacrum; 1 loose tooth; 22 vertebrae; 23 ribs/rib fragments; incomplete sternum; complete left and right scapulae; incomplete left and right clavicles; complete left and right humeri; complete left and incomplete right ulnae; complete left and right radii; 12 carpals; incomplete left and right innominates; complete left and right femurs; complete right patella; incomplete left and complete right tibiae; incomplete left and right fibulae; 10 tarsals; 17 metacarpals/metatarsals; 19 phalanges.

Room 17 Mezzanine

•Adult, female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 19 intact teeth.

Catalog No. 99.1/461, Burial No. 431 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male

Complete sacrum; 24 vertebrae; 22 ribs/rib fragments; complete sternum; complete left scapula; complete left and right clavicles; complete left humerus; incomplete left ulna; complete left radius; complete left and right innominates; incomplete left and complete right femurs; incomplete right tibia; incomplete right fibula; 14 tarsals; 14 metacarpals/metatarsals; 12 phalanges.

Comments: 1 animal bone is stored with these remains.

Catalog No. 99.1/462, Burial No. 432 (Tigara Period) (Table 137)

Room 12 Mezzanine

•Adult, probable male

Hyoid; 24 vertebrae; 14 ribs/rib fragments; complete sternum; complete right scapula; complete right clavicle; complete right humerus; complete left and right ulnae; complete right radius; complete left and right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae; 4 metatarsals; 5 phalanges.

Room 17 Mezzanine

•Adult, male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 21 intact and 2 loose teeth.

Table 137.
Associated Funerary Object from Burial 432, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4489	chipped stone	"Lance blade" (Plate 90, Object 10)	incomplete

Catalog No. 99.1/463, Burial No. 433 (Tigara Period)

Room 12 Mezzanine

•Adult, sex undetermined
Incomplete sacrum; 23 vertebrae; 21 ribs/rib fragments; incomplete left and right scapulae; complete, right and left clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 2 tarsals.

•Adult, sex undetermined
Complete left ulna.

Room 17 Mezzanine

•Adult, sex undetermined
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 23 intact teeth.

Catalog No. 99.1/464, Burial No. 434 (Tigara Period)

Room 12 Mezzanine

•Adult, probable female
Complete sacrum; 24 vertebrae; 26 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 11 carpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 13 tarsals; 30 phalanges.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 29 intact teeth; 1 phalange.

Catalog No. 99.1/465, Burial No. 435 (Tigara Period)

Room 12 Mezzanine

•Adult, probable female
Complete sacrum; 22 vertebrae; 22 ribs/rib fragments; incomplete sternum; incomplete left and complete right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 6 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs;

complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 22 phalanges.
Comments: 1 animal bone is stored with these remains.

Room 17 Mezzanine

•Adult, female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 18 intact teeth.

Catalog No. 99.1/466, Burial No. 437 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined
Incomplete sacrum; 11 vertebrae; 20 ribs/rib fragments; complete left and right scapulae; incomplete right clavicle; complete left and right humeri; complete left and right ulnae; complete left and right radii; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete right patella; complete left and right tibiae; complete left and right fibulae; 10 metatarsals; 29 phalanges.

Room 17 Mezzanine

•Subadult, sex undetermined
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 23 intact teeth.

Catalog No. 99.1/467, Burial No. 438 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined
Incomplete sacrum; 4 loose teeth; 21 vertebrae; 24 ribs/rib fragments; incomplete sternum; incomplete left and right scapulae; complete right clavicle; complete left and right humeri; complete left and incomplete right ulnae; complete left and incomplete right radii; complete left and right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae; 5 metacarpals/metatarsals; 4 phalanges.

Room 17 Mezzanine

•Subadult, sex undetermined
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 20 intact teeth.

Catalog No. 99.1/468, Burial No. 439 (Tigara Period) (Table 138)

Room 12 Mezzanine

•Adult, probable male
Complete sacrum; 24 vertebrae; 24 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 13 carpals; 9 metacarpals; complete left and right innominates; complete left and right femurs; complete right patella; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 30 phalanges.

Room 17 Mezzanine

•Adult, male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 22 intact teeth.

Table 138.
Associated Funerary Objects from Burial 439, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8852C	ceramic	5 potsherds	incomplete

Catalog No. 99.1/469, Burial No. 441 (Tigara Period) (Table 139)

Room 12 Mezzanine

•Adult, sex undetermined
Complete sternum; 3 vertebrae; 4 ribs/rib fragments; incomplete right scapula; incomplete left clavicle; incomplete left and right humeri; incomplete left and right ulnae; complete right radius; incomplete left and right tibiae; incomplete left and right fibulae; 6 metatarsals; 2 phalanges.

•Adult, sex undetermined
Complete right tibia.

Room 17 Mezzanine

•Subadult, sex undetermined
Complete cranial vault.

•Adult, sex undetermined
Complete mandible.

•Adult, sex undetermined
Complete mandible

•Probable adult, sex undetermined
Incomplete mandible.

Table 139.
Associated Funerary Objects from Burial 441, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4490	ground stone	lance point, slate (Plate 93, Object 5)	complete
60.2/4491	modified faunal remains	blubber-hook barb, whalebone, 3 holes (Plate 93, Object 7)	complete
60.2/4492	chipped stone	flake, volcanic glass	complete
60.2/4493	botanical	wooden crook, boat stem (?)	complete
60.2/4494	ceramic	9 potsherds, 2.2.0–7.5 cm diameter	incomplete
60.2/4495	modified faunal remains	sled shoes (Plate 93, Object 12)	incomplete
60.2/4496	modified faunal remains	carved head, ivory (Plate 93, Object 13)	complete
60.2/4497	modified faunal remains	"Thimble holder"; 2 hooks (Plate 93, Object 18)	complete
60.2/4498	modified faunal remains	"Sewing Marlin, forked"; ivory (Plate 93, Object 19)	complete
60.2/4499	modified faunal remains	"Sewing Marlin, forked"; ivory (Plate 93, Object 20)	complete
60.2/4500	chipped stone	end scraper tang/stem (Plate 93, Object 21)	incomplete
60.2/4501	ceramic	potsherd, rim (Plate 93, Object 23)	incomplete

Catalog No. 99.1/470, Burial No. 444 (Tigara Period) (Table 140)

Room 12 Mezzanine

•Subadult, sex undetermined
Complete right clavicle; 1 vertebra; 3 ribs/rib fragments; complete, unsided humerus; incomplete right ulna; incomplete left innominate; complete right femur; complete right tibia.

Room 17 Mezzanine

•Subadult, sex undetermined
Complete cranial vault.

Table 140.
Associated Funerary Objects from Burial 444, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8919	ground stone	knife, slate, in 2 pieces (8919a–8919b), mended (Plate 93, Object 10)	incomplete
60.1/8920	modified faunal remains	"8920 a–e 99.1/470 5 bird bones pierced in one end"; 4 bones present	incomplete
60.1/8920a	modified faunal remains	bird-bone pendant (Plate 93, Object 16)	complete

Catalog No. 99.1/471, Burial No. 445

Room 12 Mezzanine

•Adult, sex undetermined
Complete right clavicle; 1 vertebra; 4 ribs/rib fragments; incomplete right innominate; incomplete left femur; complete left tibia; incomplete left and right fibulae; 2 tarsals.
Comments: A navicular and the left femur present are labeled "470," probably from 99.1/470.

Catalog No. 99.1/472, Burial No. 446 (Tigara Period) (Table 141)

Room 12 Mezzanine

•Age undetermined, sex undetermined
Complete sacrum; 24 vertebrae; 15 ribs/rib fragments; incomplete left and right scapulae; complete left and right clavicles; complete left and right humeri; incomplete left and right ulnae; incomplete, unsided radius; complete left and right innominates; complete left and right femurs; complete left and right tibiae; complete left and incomplete right fibulae; 11 tarsals; 8 metacarpals/metatarsals; 3 phalanges.

Room 17 Mezzanine

•Adult, female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 23 intact teeth.

Table 141.
Associated Funerary Object from Burial 446, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8921	modified faunal remains	"99.1/472 Scapula shovel blade"	complete

Catalog No. 99.1/473, Burial No. 448 (Tigara Period)

Room 12 Mezzanine

•Adult, sex undetermined
Complete left clavicle; incomplete, unsided ulna; incomplete, unsided femur.
Comments: The postcranial remains labeled "99.1/473" are intermingled with 99.1/474.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; 3 intact and 6 loose teeth.

Catalog No. 99.1/474, Burial No. 449 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male
Complete sacrum; 23 vertebrae; 24 ribs/rib fragments; complete sternum; incomplete left and complete right scapulae; incomplete right clavicle; complete left and right humeri; complete left and right ulnae; complete left and right radii; 14 carpals; complete left and right innominates; complete left and right femurs; complete right patella; complete left and right tibiae; complete left and right fibulae; 12 tarsals; 18 metacarpals/ metatarsals; 24 phalanges.

Room 17 Mezzanine

•Adult, male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 32 intact teeth.

Catalog No. 99.1/475, Burial No. 450 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male
Complete sternum; 22 vertebrae; 24 ribs/rib fragments; complete left and right scapulae; complete left and right humeri; complete left and right ulnae; complete left and right radii; 7 carpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 11 tarsals; 18 metacarpals/metatarsals; 10 phalanges.

Room 17 Mezzanine

•Adult, male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 26 intact teeth.

Catalog No. 99.1/476, Burial No. 451 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male
Complete sacrum; 1 loose tooth; 23 vertebrae; 26 ribs/rib fragments; incomplete left and right scapulae; complete right clavicle; complete left and right humeri; complete left and right ulnae; complete left and right radii; 3 carpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 10 tarsals; 10 metacarpals/metatarsals; 8 phalanges.

Room 17 Mezzanine

•Adult, male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 11 intact and 2 loose teeth.

Catalog No. 99.1/477, Burial No. 452 (Tigara Period) (Table 142)

Room 12 Mezzanine

•Adult, sex undetermined

Complete sternum; 22 vertebrae; 23 ribs/rib fragments; complete left and right clavicles; complete right humerus; incomplete right femur; 2 metatarsals; 1 phalange.

Room 17 Mezzanine

•Adult, sex undetermined

Complete mandible; 7 intact and 5 loose teeth.

Table 142.
Associated Funerary Objects from Burial 452, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8922	modified faunal remains	"99.1/477 Scapula shovel blade, fragment"	incomplete
60.2/4834	chipped stone	projectile point/knife	incomplete

Catalog No. 99.1/478, Burial No. 453 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male

Incomplete sacrum; 23 vertebrae; 22 ribs/rib fragments; complete sternum; incomplete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 14 carpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 13 tarsals; 19 metacarpals/metatarsals; 30 phalanges.

Room 17 Mezzanine

•Adult, male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 27 intact teeth.

Catalog No. 99.1/479, Burial No. 454 (Tigara Period)

Room 12 Mezzanine

•Adult, female

Incomplete sacrum; 2 loose teeth; 24 vertebrae; 21 ribs/rib fragments; incomplete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and incomplete right ulnae; complete left and incomplete right radii; complete left and right innominates; incomplete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 13 tarsals; 14 metacarpals/metatarsals; 15 phalanges.

Room 17 Mezzanine

•Adult, female

Incomplete facial bones; complete mandible; 1 intact and 3 loose teeth.

Catalog No. 99.1/480, Burial No. 455 (Tigara Period) (Table 143)

Room 12 Mezzanine

•Adult, sex undetermined

Complete sacrum; 24 vertebrae; 24 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 13 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 32 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 27 intact teeth.

Table 143.
Associated Funerary Object from Burial 455, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4835	chipped stone	projectile point/knife	complete

Catalog No. 99.1/481, Burial No. 456 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male

Hyoid; 26 vertebrae; complete sacrum; 24 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 13 carpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 12 tarsals; 17 metacarpals/metatarsals; 27 phalanges.

Room 17 Mezzanine

•Adult, male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 30 intact teeth.

Catalog No. 99.1/482, Burial No. 457 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Complete sacrum; 24 vertebrae; 24 ribs/rib fragments; complete sternum; complete left and incomplete right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 7 carpals; incomplete left and complete right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 6 tarsals; 12 metacarpals/ metatarsals; 15 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 25 intact and 2 loose teeth.

Catalog No. 99.1/483, Burial No. 458 (Tigara Period)

Room 12 Mezzanine

•Adult, probable female

Complete sacrum; 7 vertebrae; 13 ribs/rib fragments; incomplete left and right scapulae; incomplete left clavicle; incomplete left and right humeri; incomplete left and right ulnae; complete left and right radii; 2 carpals; incomplete left and right innominates; complete left and right femurs; complete right patella; complete left and right tibiae; incomplete left and right fibulae; 12 tarsals; 15 metacarpals/metatarsals; 6 phalanges.

Room 17 Mezzanine

•Adult, female

Complete cranial vault; incomplete cranial base; incomplete facial bones; complete mandible; 5 loose teeth.

Catalog No. 99.1/484, Burial No. 459 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete sacrum; 6 vertebrae; incomplete, unsided humerus; complete left and incomplete right innominates; incomplete left and complete right femurs; incomplete left and right tibiae; incomplete left and right fibulae.

Room 17 Mezzanine

•Subadult, probable female

Complete cranial vault; incomplete cranial base; complete facial bones; incomplete mandible; 1 loose and 21 intact teeth.

Catalog No. 99.1/485, Burial No. 460 (Tigara Period)

Room 12 Mezzanine

•Adult, probable female

Complete sacrum; 24 vertebrae; 20 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 11 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left patella; complete left and right tibiae; complete left and right fibulae; 13 tarsals; 10 metatarsals; 22 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 27 intact teeth.

Catalog No. 99.1/486, Burial No. 461 (Tigara Period)

Room 12 Mezzanine

•Adult, sex undetermined

Incomplete cranium; 1 loose tooth; 8 vertebrae; 18 ribs/rib fragments; incomplete, unsided scapula; incomplete, unsided humerus; 3 carpals; incomplete, unsided innominate; incomplete left and right femurs; complete left and right patellae; incomplete left and right tibiae; incomplete, unsided fibula; 1 tarsal; 5 metacarpals/metatarsals; 5 phalanges.

Comments: 1 animal bone is stored with these remains.

Catalog No. 99.1/487, Burial No. 462 (Tigara Period) (Table 144)

Room 12 Mezzanine

•Adult, female

Complete sacrum; 25 vertebrae; 21 ribs/rib fragments; complete sternum; incomplete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 7 carpals; 10 metacarpals; incomplete left and right innominates; complete left and right tibiae; complete left and incomplete right fibulae; 12 tarsals; 10 metatarsals; 18 phalanges.

Room 17 Mezzanine

•Adult, female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 19 intact teeth.

Table 144.
Associated Funerary Object from Burial 462, Point Hope

Catalog No.	Material Class	Description	Condition
n/a	modified faunal remains	uncataloged artifact; "Shovel edge"; section of whale rib w/ grooves for shovel body, pierced w/ 7 holes & 2 notches; labeled "TB462" (Tigara Burial 462)	complete

Catalog No. 99.1/488, Burial No. 463 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male

Complete sacrum; 24 vertebrae; incomplete sternum; incomplete left and right scapulae; complete left and right clavicles; complete right humerus; complete left and right ulnae; complete left and right radii; 8 carpals; incomplete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 8 tarsals; 15 metacarpals/metatarsals; 15 phalanges.

Room 17 Mezzanine

•Adult, male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 26 intact and 2 loose teeth.

Catalog No. 99.1/489, Burial No. 464 (Tigara Period)

Room 12 Mezzanine

•Adult, female

Complete sacrum; 22 vertebrae; 23 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 10 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 25 phalanges.

•Adult, probable male

Complete sacrum; 1 loose tooth; 24 vertebrae; 22 ribs/rib fragments; complete sternum; complete left and incomplete right scapulae; complete left and right clavicles; complete left and right ulnae; complete left and right radii; 14 carpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 20 metacarpals/metatarsals; 26 phalanges.

Room 17 Mezzanine

•Adult, male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 31 intact teeth.

Catalog No. 99.1/490, Burial No. 465 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male

Incomplete sacrum; 24 vertebrae; 23 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 15 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 25 phalanges.

Room 17 Mezzanine

•Adult, male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 25 intact teeth.

Catalog No. 99.1/491, Burial No. 466 (Tigara Period)

Room 12 Mezzanine

•Adult, sex undetermined

Incomplete sacrum; 21 vertebrae; 14 ribs/rib fragments; incomplete left and right scapulae; complete, right and left clavicles; complete left and right humeri; 2 carpals; incomplete left and right innominates; complete left and right femurs; complete left and right tibiae; incomplete, unsided fibula; 4 tarsals; 3 metacarpals/metatarsals; 11 phalanges.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 29 intact and 2 loose teeth.

Catalog No. 99.1/492, Burial No. 467 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male

Complete sacrum; 1 loose tooth; 24 vertebrae; 22 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete right humerus; complete left and right ulnae; complete left and right radii; 14 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 24 phalanges.

Room 17 Mezzanine

•Adult, female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 25 intact teeth.

Catalog No. 99.1/493, Burial No. 469 (Tigara Period) (Table 145)

Room 12 Mezzanine

•Adult, sex undetermined

Hyoid; 25 vertebrae; complete sacrum; 21 ribs/rib fragments; incomplete sternum; incomplete right scapula; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 14 carpals; incomplete left innominate; complete right femur; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 5 tarsals; 19 metacarpals/metatarsals; 17 phalanges.

Table 145.
Associated Funerary Object from Burial 469, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4505	modified faunal remains	"Drinking tube"; bone tube, incised (Plate 92, Object 18)	incomplete

Catalog No. 99.1/494, Burial No. 470 (Tigara Period)

Room 12 Mezzanine

•Adult, sex undetermined

Incomplete, unsided scapula; 20 vertebrae; 6 ribs/rib fragments; incomplete left clavicle; incomplete left humerus; incomplete left and right ulnae; incomplete left and right radii; 1 carpal; incomplete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; incomplete left and right fibulae; 9 tarsals; 11 metacarpals/metatarsals; 5 phalanges.

Comments: 1 animal bone is stored with these remains.

Catalog No. 99.1/495, Burial No. 471 (Tigara Period)

Room 12 Mezzanine

•Adult, male

Complete sacrum; 23 vertebrae; 22 ribs/rib fragments; complete left and incomplete right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 15 carpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 9 tarsals; 18 metacarpals/metatarsals; 15 phalanges.

Comments: 1 animal bone is stored with these remains.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; incomplete cranial base; complete facial bones; complete mandible; 13 intact teeth.

Catalog No. 99.1/496, Burial No. 472 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete sacrum; 25 vertebrae; 21 ribs/rib fragments; incomplete sternum; incomplete left and right scapulae; complete right clavicle; incomplete left and complete right humeri; complete left and right ulnae; complete left and right radii; 7 carpals; 6 metacarpals; complete left and incomplete right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 12 tarsals; 11 metatarsals; 17 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 22 intact teeth.

Catalog No. 99.1/497, Burial No. 473 (Tigara Period) (Table 146)

Room 12 Mezzanine

•Adult, probable male

Complete sacrum; 23 vertebrae; 22 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 10 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 29 phalanges.

Room 17 Mezzanine

•Adult, male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 27 intact teeth.

•Adult, probable male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 29 intact teeth.

Table 146.
Associated Funerary Object from Burial 473, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4506	ground stone	knife, slate (Plate 90, Object 24)	incomplete

Catalog No. 99.1/498, Burial No. 474 (Tigara Period)

Room 12 Mezzanine

•Adult, male

Complete sacrum; 24 vertebrae; 22 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 9 carpals; 7 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 12 tarsals; 8 metatarsals; 23 phalanges.

Room 17 Mezzanine

•Adult, female

Complete cranial vault; incomplete cranial base; complete facial bones; complete mandible; 20 intact and 2 loose teeth.

Catalog No. 99.1/499, Burial No. 475 (Tigara Period)

Room 12 Mezzanine

•Age undetermined, probable male

Complete sacrum; 24 vertebrae; 20 ribs/rib fragments; incomplete sternum; complete left and incomplete right scapulae; incomplete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 14 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 7 tarsals; 3 metatarsals; 20 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 17 intact teeth.

Catalog No. 99.1/500, Burial No. 476 (Tigara Period)

Room 12 Mezzanine

•Adult, sex undetermined

Hyoid; 25 vertebrae; complete sacrum; 22 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 12 carpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 12 tarsals; 34 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 29 intact teeth.

Catalog No. 99.1/501, Burial No. 477 (Tigara Period) (Table 147)

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete sacrum; 23 vertebrae; 24 ribs/rib fragments; complete sternum; complete left and right scapulae; incomplete left and complete right clavicles; complete left and right humeri; complete left and right ulnae; incomplete left and right radii; metacarpals; incomplete left and right innominates; complete left and right femurs; complete right patella; complete left and right tibiae; complete left and right fibulae; 2 tarsals; 15 metacarpal/metatarsal/phalange fragments.

Room 17 Mezzanine

•Subadult, sex undetermined

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 25 intact teeth.

Table 147.
Associated Funerary Objects from Burial 477, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8923	ceramic	potsherd, base	incomplete
60.1/8924	modified faunal remains	"99.1/501 Scapula shovel blade" (Plate 90, Object 13)	complete

Catalog No. 99.1/502, Burial No. 478 (Tigara Period)

Room 12 Mezzanine

•Adult, sex undetermined

Hyoid; 24 vertebrae; complete sacrum; complete sternum; complete left and right scapulae; complete left clavicle; complete left and right humeri; complete left and right ulnae; complete left and right radii; 12 carpals; 10 metacarpals; incomplete left and right innominates; complete left and right femurs; complete left patella; complete left and right tibiae; complete left and right fibulae; 9 tarsals; 10 metatarsals; 21 phalanges.

Room 17 Mezzanine

•Adult, female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 27 intact teeth.

Catalog No. 99.1/503, Burial No. 479 (Tigara Period)

Room 12 Mezzanine

•Adult, sex undetermined

Incomplete sacrum; 1 loose tooth; 24 vertebrae; 18 ribs/rib fragments; incomplete left and right scapulae; incomplete left and right clavicles; incomplete left and right humeri; incomplete left and right ulnae; incomplete left and right radii; 5 carpals; incomplete left and right innominates; incomplete left and right femurs; incomplete left and complete right patellae; incomplete left and right tibiae; incomplete left and right fibulae; 1 tarsal; 10 metacarpals/metatarsals; 10 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; incomplete cranial base; incomplete facial bones; 8 intact teeth.

Catalog No. 99.1/504, Burial No. 480 (Tigara Period) (Table 148)

Room 12 Mezzanine

•Adult, probable male

Complete sacrum; 20 vertebrae; 22 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right ulnae; complete left and right radii; 8 carpals; 10 metacarpals; complete left and right innominates; incomplete left and right femurs; complete left and right tibiae; complete left fibula; 12 tarsals; 9 metatarsals; 20 phalanges.

Room 17 Mezzanine

•Adult, male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 25 intact teeth.

Table 148.
Associated Funerary Object from Burial 480, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8925	modified faunal remains	"99.1/504 Scapula shovel blade"	complete

Catalog No. 99.1/505, Burial No. 481 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male

Incomplete left scapula; 7 vertebrae; 5 ribs/rib fragments; incomplete left and right humeri; incomplete left and right tibiae; incomplete left and right fibulae; 13 tarsals; 10 metacarpals/metatarsals; 4 phalanges.

Room 17 Mezzanine

•Adult, sex undetermined

Complete cranial vault; incomplete cranial base; incomplete facial bones; complete mandible; 1 intact tooth.

Catalog No. 99.1/506, Burial No. 482 (Tigara Period) (Table 149)

Room 12 Mezzanine

•Adult, sex undetermined

Complete sternum; 23 vertebrae; 18 ribs/rib fragments; incomplete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 4 carpals; complete left and right innominates; complete left and right femurs; complete left patella; complete left and right tibiae; complete left and right fibulae; 8 tarsals; 3 phalanges.

Room 17 Mezzanine

•Adult, male

Incomplete cranial vault; incomplete cranial base; incomplete facial bones; 9 intact teeth.

Table 149.
Associated Funerary Objects from Burial 482, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8926	ceramic	potsherd	incomplete
60.1/8927	ground stone	side scraper, unifacially worked	complete

Catalog No. 99.1/507, Burial No. 483 (Tigara Period)

Room 12 Mezzanine

•Adult, sex undetermined

Complete sacrum; 22 vertebrae; 20 ribs/rib fragments; complete sternum; complete left and right scapulae; complete right clavicle; complete left and right humeri; complete left and right ulnae; complete, unsided radius; 4 metacarpals; complete left and right innominates; incomplete left and complete right femurs; complete right patella; incomplete left and complete right tibiae; incomplete left and complete right fibulae; 6 tarsals; 3 phalanges.

Room 17 Mezzanine

•Adult, female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 24 intact and 3 loose teeth.

Catalog No. 99.1/508, Burial No. 485 (Tigara Period)

Room 12 Mezzanine

•Adult, sex undetermined

Complete sacrum; 26 vertebrae; 18 ribs/rib fragments; complete sternum; incomplete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 10 carpals; incomplete left and complete right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 7 tarsals; 17 metacarpals/metatarsals; 12 phalanges.

Room 17 Mezzanine

•Adult, male

Complete cranial vault; complete cranial base; complete facial bones; 18 intact teeth.

Catalog No. 99.1/509, Burial No. 486 (Tigara Period) (Table 150)

Room 12 Mezzanine

•Subadult, sex undetermined

Hyoid; 1 loose tooth; 25 vertebrae; complete sacrum; 24 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 8 metacarpals; complete left and right innominates; complete left and right femurs; complete left patella; complete left and right tibiae; complete left and right fibulae; 12 tarsals; 10 metatarsals; 24 phalanges.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 28 intact teeth.

Table 150.
Associated Funerary Object from Burial 486, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8929	ceramic	potsherds	incomplete

Catalog No. 99.1/510, Burial No. 487 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Complete sacrum; 24 vertebrae; 22 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 14 carpals; complete left and right innominates; complete left and right femurs; complete left patella; complete left and right tibiae; complete left and right fibulae; 8 tarsals; 14 metacarpals/metatarsals; 21 phalanges.

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 29 intact teeth.

Catalog No. 99.1/511, Burial No. 488 (Tigara Period) (Table 151)

Room 12 Mezzanine

•Subadult, sex undetermined
Complete sacrum; 24 vertebrae; 23 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 15 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete right patella; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 25 phalanges.

Room 17 Mezzanine

•Adult, probable male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 32 intact teeth.

•Age undetermined, sex undetermined
1 loose tooth.

Table 151.
Associated Funerary Object from Burial 488, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8930	ceramic	potsherds	incomplete

Catalog No. 99.1/512, Burial No. 489 (Tigara Period) (Table 152)

Room 12 Mezzanine

•Adult, sex undetermined
Incomplete sacrum; 18 vertebrae; 20 ribs/rib fragments; incomplete left and right scapulae; incomplete left and right clavicles; complete left and right humeri; incomplete left and right ulnae; complete left and right radii; incomplete left and right innominates; complete left femur; complete right patella; complete left and right tibiae; incomplete left and right fibulae; 12 tarsals; 14 metacarpals/metatarsals; 9 phalanges.

Room 17 Mezzanine

•Adult, female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 11 intact teeth.

Table 152.
Associated Funerary Object from Burial 489, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4507	ground stone	drill point (?), ground slate (Plate 90, Object 25)	incomplete

Catalog No. 99.1/513, Burial No. 490 (Tigara Period) (Table 153)

Room 12 Mezzanine

•Adult, probable female

Complete sacrum; 22 vertebrae; 15 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and incomplete right radii; complete left and right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae; 13 tarsals; 19 metacarpals/metatarsals; 21 phalanges.

Room 17 Mezzanine

•Adult, female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 28 intact teeth.

Table 153.
Associated Funerary Object from Burial 490, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8931	ceramic	potsherd	incomplete

Catalog No. 99.1/514, Burial No. 491 (Tigara Period)

Room 12 Mezzanine

•Adult, probable female

Hyoid; 24 vertebrae; complete sacrum; 21 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 9 carpals; 10 metacarpals; complete left and incomplete right innominates; complete left and right femurs; complete right patella; complete left tibia; complete left and right fibulae; 14 tarsals; 10 metatarsals; 17 phalanges.

•Age undetermined, sex undetermined

Incomplete left fibula; complete left tibia.

Room 17 Mezzanine

•Adult, female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 29 intact teeth.

Catalog No. 99.1/515, Burial No. 492 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male

Incomplete sacrum; 1 loose tooth; 24 vertebrae; 26 ribs/rib fragments; incomplete sternum; incomplete left and right scapulae; incomplete right clavicle; complete left and right humeri; complete left and incomplete right ulnae; complete left and right radii; 8 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 31 phalanges.

Room 17 Mezzanine

•Adult, probable male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 23 intact and 2 loose teeth.

Catalog No. 99.1/516, Burial No. 493 (Tigara Period)

Room 12 Mezzanine

•Adult, sex undetermined
Incomplete sacrum; 1 loose tooth; 16 vertebrae; 2 ribs/rib fragments; incomplete left and right scapulae; incomplete left clavicle; incomplete left and right humeri; complete left and incomplete right ulnae; complete left and right radii; 8 carpals; 10 metacarpals; incomplete left and right innominates; complete left and right femurs; complete left and right patellae; incomplete left and complete right tibiae; complete left and right fibulae; 6 tarsals; 3 metatarsals; 15 phalanges.

Room 17 Mezzanine

•Adult, sex undetermined
Complete cranial vault; incomplete cranial base; incomplete facial bones.

Catalog No. 99.1/517, Burial No. 494 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male
Complete sacrum; 25 vertebrae; 24 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 10 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left patella; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 24 phalanges.

Room 17 Mezzanine

•Adult, female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 26 intact teeth.

Catalog No. 99.1/518, Burial No. 495 (Tigara Period) (Table 154)

Room 12 Mezzanine

•Adult, probable female
Incomplete left scapula; 1 rib fragment; incomplete left innominate; complete left femur.

•Subadult, sex undetermined
Incomplete left and right scapulae; vertebrae (9 complete; 15 neural arches, 12 centrums); 18 ribs/rib fragments; complete, unsided clavicle; incomplete, unsided humerus; complete left and right innominates; complete left and right femurs; complete, unsided patella; complete left and right tibiae; complete and incomplete, unsided fibulae.

Room 17 Mezzanine

•Subadult, sex undetermined
Complete cranial vault; incomplete cranial base; complete facial bones; complete mandible; 21 intact teeth.

Table 154.
Associated Funerary Object from Burial 495, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8932	ceramic	potsherd, base fragment	incomplete

Catalog No. 99.1/519, Burial No. 496 (Tigara Period) (Table 155)

Room 12 Mezzanine

•Adult, sex undetermined
Complete sacrum; 24 vertebrae; 24 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 13 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 11 tarsals; 10 metatarsals; 24 phalanges.

•Adult, sex undetermined
1 carpal; 1 tarsal.

Room 17 Mezzanine

•Adult, male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 31 intact teeth.

•Infant/subadult, sex undetermined
1 loose tooth (deciduous).

Table 155.
Associated Funerary Object from Burial 496, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8933	modified faunal remains	harpoon socket piece, antler; 99.1/519 (Plate 89, Object 9)	incomplete
60.2/4508	composite	arrowhead w/ point, slate	complete

Catalog No. 99.1/520, Burial No. 497 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male
Complete sacrum; 24 vertebrae; 21 ribs/rib fragments; incomplete sternum; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 15 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete right patella; complete left and right tibiae; complete left and right fibulae; 11 tarsals; 10 metatarsals; 30 phalanges.

Room 17 Mezzanine

•Adult, female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 29 intact teeth.

Catalog No. 99.1/521, Burial No. 498 (Tigara Period) (Table 156)

Room 12 Mezzanine

•Adult, probable male

Incomplete sacrum; 1 loose tooth; 23 vertebrae; 22 ribs/rib fragments; incomplete sternum; incomplete left and complete right scapulae; incomplete left and complete right clavicles; incomplete left and complete right humeri; complete left and right ulnae; 9 carpals; 7 metacarpals; incomplete left and complete right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; incomplete left and complete right fibulae; 11 tarsals; 10 metatarsals; 15 phalanges.

Room 17 Mezzanine

•Adult, male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 17 intact teeth.

Table 156.
Associated Funerary Object from Burial 498, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8934	ceramic	potsherd	incomplete

Catalog No. 99.1/522, Burial No. 499 (Tigara Period) (Table 157)

Room 12 Mezzanine

•Adult, probable female

Complete sternum; 24 vertebrae; 22 ribs/rib fragments; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; 16 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 24 phalanges.

Room 17 Mezzanine

•Adult, female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 21 intact teeth.

Table 157.
Associated Funerary Object from Burial 499, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8935	modified faunal remains	"99.1/522 Socket piece for dart, long cylindrical with flat tang"	complete

Catalog No. 99.1/523, Burial No. 500 (Tigara Period)

Room 12 Mezzanine

•Adult, probable female

Incomplete sacrum; 1 loose tooth; 25 vertebrae; 23 ribs/rib fragments; complete sternum; complete left and incomplete right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right radii; 12 carpals; 10 metacarpals; incomplete left and right innominates; complete left and right femurs; complete left patella; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 9 metatarsals; 15 phalanges.

Room 17 Mezzanine

•Adult, female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 8 intact teeth.

Comments: 1 metacarpal is stored with these cranial remains.

Catalog No. 99.1/524, Burial No. 501 (Tigara Period) (Table 158)

Room 12 Mezzanine

•Adult, sex undetermined

Incomplete sacrum; 23 vertebrae; 20 ribs/rib fragments; incomplete sternum; complete left and incomplete right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 9 carpals; incomplete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and incomplete right tibiae; complete left and incomplete right fibulae; 11 tarsals; 17 metacarpals/ metatarsals; 14 phalanges.

Room 17 Mezzanine

•Adult, female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 15 intact teeth.

Table 158.
Associated Funerary Object from Burial 501, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8937	modified faunal remains	"99.1/524 Socket piece for dart, long cylindrical with flat tang, pierced through middle of shaft"	complete

Catalog No. 99.1/525, Burial No. 502 (Tigara Period) (Table 159)

Room 12 Mezzanine

•Adult, probable male

Complete sacrum; 23 vertebrae; 23 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 13 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 9 tarsals; 9 metatarsals; 16 phalanges.

Room 17 Mezzanine

•Adult, male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 23 intact teeth.

Table 159.
Associated Funerary Object from Burial 502, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8936	modified faunal remains	"99.1/525 Socket piece for dart, long cylindrical with flat tang, pierced through shaft and tang"	complete

Catalog No. 99.1/526, Burial No. 503 (Tigara Period)

Room 12 Mezzanine

•Adult, probable female

Complete sacrum; 24 vertebrae; 21 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and incomplete right ulnae; complete left and right radii; 12 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left patella; complete left and right tibiae; complete left and right fibulae; 1 tarsal; 10 metatarsals; 19 phalanges.

Room 17 Mezzanine

•Adult, male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 21 intact teeth.

Catalog No. 99.1/527, Burial No. 504 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male

Complete sacrum; 24 vertebrae; 23 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 4 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; tarsals; 10 metatarsals; 20 phalanges.

Room 17 Mezzanine

•Adult, male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 13 intact teeth.

Catalog No. 99.1/528, Burial No. 505 (Tigara Period)

Room 12 Mezzanine

•Adult, sex undetermined

Incomplete left and right scapulae; 21 vertebrae; 11 ribs/rib fragments; incomplete left and right clavicles; incomplete left and complete right humeri; incomplete left and right ulnae; incomplete left radius; carpals; 7 metacarpals; incomplete left and right innominates; complete left and right femurs; complete left and right patellae; incomplete left and right tibiae; incomplete left and complete right fibulae; 14 tarsals; 9 metatarsals; 13 phalanges.

Room 17 Mezzanine

•Adult, female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 18 intact teeth.

Catalog No. 99.1/529, Burial No. 506 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male

Complete sacrum; 1 loose tooth; 25 vertebrae; 18 ribs/rib fragments; complete sternum; complete left and incomplete right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 10 carpals; 10 metacarpals; complete left and right innominates; complete left

and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 6 tarsals; 4 metatarsals; 14 phalanges.
Comments: 1 animal bone is stored with these remains.

Room 17 Mezzanine

•Adult, male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 12 intact teeth.

Catalog No. 99.1/530, Burial No. 507 (Tigara Period) (Table 160)

Room 12 Mezzanine

•Adult, female
Complete sacrum; 2 vertebrae; 23 ribs/rib fragments; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left radius; 15 carpals; 9 metacarpals; complete left and right innominates; complete left and right patellae; complete right tibia; 14 tarsals; 10 metatarsals; 20 phalanges.

Table 160.
Associated Funerary Object from Burial 507, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8938	modified faunal remains	"99.1/530 Scapula shovel blade"	incomplete

Catalog No. 99.1/531, Burial No. 508 (Tigara Period) (Table 161)

Room 12 Mezzanine

•Adult, probable male
Incomplete sacrum; 24 vertebrae; 23 ribs/rib fragments; incomplete sternum; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 8 carpals; metacarpals; incomplete left and right innominates; complete right femur; complete right tibia; complete right fibula; 9 tarsals; 12 phalanges.
Comments: A partial animal skull is stored with these remains.

Room 17 Mezzanine

•Adult, female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 30 intact teeth.

Table 161.
Associated Funerary Object from Burial 508, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8939	modified faunal remains	harpoon foreshaft, unfinished, ivory	complete

Catalog No. 99.1/532, Burial No. 509 (Tigara Period)

Room 12 Mezzanine

•Adult, probable female

Incomplete sacrum; 24 vertebrae; 22 ribs/rib fragments; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 15 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 19 phalanges.

Room 17 Mezzanine

•Adult, female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 13 intact and 2 loose teeth.

Catalog No. 99.1/533, Burial No. 510 (Tigara Period) (Table 162)

Room 12 Mezzanine

•Adult, sex undetermined

Incomplete sternum; 9 vertebrae; 17 ribs/rib fragments; incomplete left and complete right scapulae; incomplete left and complete right clavicles; complete left and right humeri; 1 carpal; 14 tarsals; 10 metatarsals; 12 phalanges.

Table 162.
Associated Funerary Object from Burial 510, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8940	modified faunal remains	"99.1/533 Ice pick of antler, long, flat"; pointed, longitudinal section of antler w/ handle	complete

Catalog No. 99.1/534, Burial No. 511 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete sacrum; 24 vertebrae; 22 ribs/rib fragments; incomplete right scapula; incomplete left humerus; incomplete left and right ulnae; incomplete left and right radii; complete left and right innominates; complete left and right femurs; complete left and right tibiae; incomplete left and right fibulae; 6 tarsals; 12 metacarpals/metatarsals; 7 phalanges.

Room 17 Mezzanine

•Subadult, sex undetermined

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 31 intact teeth.

Catalog No. 99.1/535, Burial No. 511 (Tigara Period) (Table 163)

Room 12 Mezzanine

•Adult, male

Complete sacrum; 24 vertebrae; 24 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 11 carpals; 9 metacarpals; complete left and right innominates; complete left and right femurs; complete

left and right patellae; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 28 phalanges.

Room 17 Mezzanine

•Adult, male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 27 intact teeth.

Table 163.
Associated Funerary Objects from Burial 511, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8942	ceramic	potsherds	incomplete

Catalog No. 99.1/536, Burial No. 512 (Tigara Period) (Table 164)

Room 12 Mezzanine

•Adult, probable male

Hyoid; 24 vertebrae; incomplete sacrum; 22 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and incomplete right ulnae; incomplete left and complete right radii; 9 carpals; 10 metacarpals; complete left and right innominates; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 9 metatarsals; 17 phalanges.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 23 intact teeth.

Table 164.
Associated Funerary Object from Burial 512, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8941	ground stone	whetstone, oblong, rounded	complete

Catalog No. 99.1/537, Burial No. 513 (Tigara Period)

Room 12 Mezzanine

•Adult, female

Complete sacrum; 18 vertebrae; 18 ribs/rib fragments; complete left and right scapulae; incomplete left and right clavicles; complete left and incomplete right ulnae; complete left and right radii; 2 carpals; 4 metacarpals; incomplete left and right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae; 12 tarsals; 10 metatarsals; 14 phalanges.

Room 17 Mezzanine

•Adult, female

Complete cranial vault; complete cranial base; complete facial bones; 4 intact teeth.

Catalog No. 99.1/538, Burial No. 514 (Tigara Period) (Table 165)

Room 12 Mezzanine

•Adult, female

Complete sacrum; 23 vertebrae; 23 ribs/rib fragments; complete sternum; incomplete left and right scapulae; complete right clavicle; complete left and right humeri; complete left and right ulnae; complete left and right radii; 15 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 8 metatarsals; 18 phalanges.

Room 17 Mezzanine

•Adult, female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 19 intact teeth.

Table 165.
Associated Funerary Object from Burial 514, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8943	modified faunal remains	"99.1/538 Mattock blade of whalebone"; flattened on 1 face; 3 "hafting" grooves	complete

Catalog No. 99.1/539, Burial No. 515 (Tigara Period) (Table 166)

Room 12 Mezzanine

•Adult, probable male

Incomplete sacrum; 22 vertebrae; 22 ribs/rib fragments; incomplete sternum; incomplete left and right scapulae; incomplete left and right clavicles; incomplete left and right humeri; incomplete left and right ulnae; incomplete left radius; incomplete left and right innominates; complete left and right femurs; incomplete left patella; incomplete left and right tibiae; incomplete left and right fibulae; 5 tarsals.

Room 17 Mezzanine

•Adult, male

Incomplete cranial vault; incomplete cranial base; incomplete facial bones; 6 intact and 12 loose teeth.

Table 166.
Associated Funerary Objects from Burial 515, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8944	ground stone	ulu blade	incomplete
60.1/8945	modified faunal remains	"99.1/539 Scapula shovel blade"	incomplete

Catalog No. 99.1/540, Burial No. 516 (Tigara Period)

Room 12 Mezzanine

•Adult, female

Complete sacrum; 24 vertebrae; 24 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 14 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 34 phalanges.

•Adult, female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 25 intact and 2 loose teeth.

Catalog No. 99.1/541, Burial No. 518 (Tigara Period)

Room 12 Mezzanine

•Adult, male
Complete sacrum; 17 vertebrae; 9 ribs/rib fragments; incomplete sternum; incomplete left and complete right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 10 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete right patella; complete left and right tibiae; complete left and incomplete right fibulae; 13 tarsals; 10 metatarsals; 35 phalanges.

Room 17 Mezzanine

•Adult, male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 28 intact and 2 loose teeth.

Catalog No. 99.1/542, Burial No. 519 (Tigara Period) (Table 167)

Room 12 Mezzanine

•Adult, male
Complete sacrum; 24 vertebrae; 24 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 11 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 13 tarsals; 10 metatarsals; 27 phalanges.
Comments: 2 animal bones are stored with these remains.

Room 17 Mezzanine

•Adult, male
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 32 intact teeth.

Table 167.
Associated Funerary Object from Burial 519, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8946	modified faunal remains	"99.1/542 Arrowhead of antler with slot for separate blade and one barb"	incomplete

Catalog No. 99.1/543, Burial No. 520 (Tigara Period)

Room 12 Mezzanine

•Adult, female
Hyoid; 24 vertebrae; complete sacrum; 24 ribs/rib fragments; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 10 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 22 phalanges.

Room 17 Mezzanine

•Adult, female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 30 intact teeth.

Catalog No. 99.1/544, Burial No. 522 (Tigara Period)

Room 12 Mezzanine

•Adult, probable female

Complete sacrum; 24 vertebrae; 24 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and incomplete right radii; 7 carpals; 6 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 10 tarsals; 7 metatarsals; 21 phalanges.

Room 17 Mezzanine

•Adult, female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 26 intact teeth.

Catalog No. 99.1/545, Burial No. 523 (Tigara Period)

Room 12 Mezzanine

•Adult, male

Incomplete sacrum; 23 vertebrae; 23 ribs/rib fragments; complete sternum; incomplete left and complete right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and incomplete right radii; 16 carpals; 10 metacarpals; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 14 tarsals; 10 metatarsals; 31 phalanges.

Room 17 Mezzanine

•Adult, male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 16 intact teeth.

Catalog No. 99.1/546, Burial No. 524 (Tigara Period)

Room 12 Mezzanine

•Adult, female

Hyoid; 24 vertebrae; complete sacrum; 24 ribs/rib fragments; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 11 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 12 tarsals; 5 metatarsals; 20 phalanges.

Room 17 Mezzanine

•Adult, female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 30 intact teeth.

Catalog No. 99.1/547, Burial No. 525 (Tigara Period) (Table 168)

Room 12 Mezzanine

•Adult, male

Incomplete sacrum; 2 vertebrae; complete left humerus; complete right ulna; incomplete left radius; complete left and right innominates; complete left and right femurs; complete left and right tibiae; complete left and right fibulae; 2 tarsals.

•Infant, sex undetermined

Incomplete left tibia.

Table 168.
Associated Funerary Objects from Burial 525, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8846	chipped stone	"Spearhead or knife?"	complete
60.1/8847	chipped stone	"Arrowpoint, Yuma type"	complete

Catalog No. 99.1/548, Burial No. 526 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete sacrum; 24 vertebrae; 23 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; incomplete left and right humeri; incomplete right ulna; incomplete left and right radii; incomplete left and right innominates; incomplete left and right femurs; incomplete left and right tibiae; incomplete left and right fibulae; 9 tarsals; 10 metatarsals; 2 phalanges.

Room 17 Mezzanine

•Subadult, sex undetermined

Incomplete cranial vault; complete cranial base; complete facial bones; complete mandible; 27 intact and 3 loose teeth.

Catalog No. 99.1/549, Burial No. 527 (Tigara Period) (Table 169)

Room 12 Mezzanine

•Subadult, probable male

Complete sacrum; 24 vertebrae; 23 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 9 carpals; 9 metacarpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 12 tarsals; 10 metatarsals; 35 phalanges.

Room 17 Mezzanine

•Adult, male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 26 intact teeth.

Table 169.
Associated Funerary Objects from Burial 527, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8848	chipped stone	flake, chert	complete
60.1/8879	modified faunal remains	Leister prong, barbed, antler (Plate 89, Object 21)	complete
60.1/8880	modified faunal remains	Leister prong, barbed, antler (Plate 89, Object 21)	complete
60.1/8948	ceramic	potsherd	incomplete

Catalog No. 99.1/550, Burial No. 528 (Tigara Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete sacrum; 22 vertebrae; 21 ribs/rib fragments; complete left and right scapulae; complete left clavicle; complete left and right humeri; complete left and right ulnae; complete left and right radii; incomplete left and right innominates; complete left and right femurs; complete right patella; complete left and right tibiae; complete, unsided fibula; 3 tarsals; 14 metacarpals/metatarsals; 13 phalanges.

Room 17 Mezzanine

•Subadult, sex undetermined

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 30 intact teeth.

Catalog No. 99.1/551, Burial No. 529 (Tigara Period) (Table 170)

Room 12 Mezzanine

•Adult, female

Hyoid; 24 vertebrae; complete sacrum; 21 ribs/rib fragments; complete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 3 carpals; 10 metacarpals; complete left and right innominates; complete left and right femurs; complete right patella; complete left and right tibiae; 14 tarsals; 10 metatarsals; 22 phalanges.

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 18 intact and 3 loose teeth.

Table 170.
Associated Funerary Object from Burial 529, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8881	modified faunal remains	"Bone arrowhead, stemmed, with slit for stone point"	complete

Catalog No. 99.1/552, Burial No. 530 (Tigara Period)

Room 12 Mezzanine

•Adult, probable male

Incomplete sacrum; 24 vertebrae; 23 ribs/rib fragments; incomplete left and right scapulae; incomplete left and right clavicles; complete left and right humeri; incomplete left and right ulnae; incomplete left and right radii; 1 carpal; complete left and right innominates; complete left tibia; incomplete right fibula; 10 tarsals; 12 metacarpals/metatarsals; 8 phalanges.

Room 17 Mezzanine

•Adult, probable female

Complete cranial vault; incomplete cranial base; complete facial bones; incomplete mandible; 14 intact and 2 loose teeth.

Catalog No. 99.1/553, Burial No. 402 (Tigara Period) (Table 171)

Room 17 Mezzanine

•Subadult, sex undetermined

Complete cranial vault; complete cranial base; incomplete facial bones; 1 loose tooth.

Comments: Included with these remains were 2 femur shafts and a right tibia.

Table 171.
Associated Funerary Objects from Burial 402, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8852Z	ceramic	2 potsherds	incomplete
60.1/8947	ceramic	potsherd, labeled "99.1/553"	incomplete

Catalog No. 99.1/554, Burial No. 333 (Tigara Period)

Room 12 Mezzanine

•Adult, sex undetermined

Complete left and right clavicles; 5 vertebrae; 11 ribs/rib fragments; complete left humerus; 11 metacarpals; incomplete right femur.

Catalog No. 99.1/555, Burial No. 317 (Tigara Period)

Room 17 Mezzanine

•Subadult, sex undetermined

Complete cranial vault; complete mandible; 10 intact and 7 loose teeth; 8 vertebrae.

Catalog No. 99.1/556, Burial No. 362 (Tigara Period)

Room 17 Mezzanine

•Subadult, sex undetermined

Complete cranial vault; complete cranial base; incomplete facial bones; incomplete mandible; 7 intact and 3 loose teeth; incomplete left femur; incomplete, unsided tibia; incomplete, unsided fibula.

Catalog No. 99.1/557, Burial No. 328 (Tigara Period) (Table 172)

Room 12 Mezzanine

•Age undetermined, sex undetermined
1 vertebra; 1 tarsal; 10 metatarsals; 5 phalanges.

Table 172.
Associated Funerary Object from Burial 328, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8862	modified faunal remains	snow-shovel edge, crescent-shaped whalebone w/ edge groove & lashing holes (Plate 89, Object 26)	incomplete

Catalog No. 99.1/558, Burial No. 351 (Tigara Period) (Table 173)

Room 17 Mezzanine

•Subadult, sex undetermined
Incomplete cranial vault; incomplete cranial base; 24 vertebrae; complete left and right clavicles; incomplete left and right scapulae; incomplete left and right humeri; incomplete left ulna; incomplete left innominate; incomplete left femur; incomplete left and right tibiae.

Table 173.
Associated Funerary Object from Burial 351, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8866	modified faunal remains	"99.1/558 Bone pick or mattock blade"; whalebone, w/ flattened point & hafting notches	complete

Catalog No. 99.1/559, Burial No. 343 (Tigara Period) (Table 174)

Room 17 Mezzanine

•Infant/subadult, sex undetermined
Incomplete cranial vault; incomplete cranial base; incomplete facial bones; incomplete mandible.
Comments: 3 unidentified long-bone shafts are stored with these remains.

Table 174.
Associated Funerary Objects from Burial 343, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8852K	ceramic	6 potsherds, labeled "99.1/559"	incomplete

Catalog No. 99.1/560, Burial No. 361 (Tigara Period) (Table 175)

Room 17 Mezzanine

•Subadult, sex undetermined
Complete cranial vault; complete cranial base; complete facial bones; 6 intact and 10 loose teeth; 20 vertebrae; complete left scapula; 21 ribs; incomplete left and right humeri; incomplete left and right ulnae; incomplete left and

right radii; incomplete left and right innominates; incomplete left and right femurs; incomplete left and right tibiae; incomplete left and right fibulae; 3 metacarpals/metatarsals/phalanges.

Table 175.
Associated Funerary Object from Burial 361, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8868	modified faunal remains	"99.1/560 Bone scapula snow shovel"	complete

Catalog No. 99.1/561, Burial No. 335 (Tigara Period) (Table 176)

Room 12 Mezzanine

•Adult, sex undetermined
Incomplete right clavicle; 4 vertebrae; 9 ribs/rib fragments; complete left and right scapulae; complete left and right humeri; incomplete left ulna; incomplete left radius; 3 tarsals; 5 metatarsals; 4 phalanges.

Table 176.
Associated Funerary Objects from Burial 335, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8852G	ceramic	8 potsherds, labeled "99.1/561"	incomplete

Catalog No. 99.1/562, Burial No. 66 (Tigara Period)

Room 12 Mezzanine

•Adult, sex undetermined
Incomplete right humerus; incomplete left radius; complete left and incomplete right patellae; incomplete right tibia.
Comments: The humerus and radius are of disproportionate sizes, suggesting that each is from a different individual.

Room 17 Mezzanine

•Adult, sex undetermined
Incomplete mandible.

Catalog No. 99.1/564, Burial No. 101 (Tigara Period)

Room 17 Mezzanine

•Subadult, sex undetermined
Incomplete cranial base; incomplete mandible; 3 intact teeth.
Comments: 3 animal bones are stored with these remains.

Catalog No. 99.1/565, Burial No. 112 (Tigara Period)

Room 17 Mezzanine

•Subadult, sex undetermined
Complete mandible; 3 intact and 4 loose teeth.

Catalog No. 99.1/566, Burial No. 145 (Tigara Period)

Room 12 Mezzanine

•Adult, sex undetermined
Complete left scapula; incomplete right femur.

Catalog No. 99.1/567, Burial No. 144 (Tigara Period)

Room 12 Mezzanine

•Adult, sex undetermined
Incomplete sacrum; 6 vertebrae; incomplete right tibia.

Catalog No. 99.1/568, "Christian Burial A"

Room 12 Mezzanine

•Adult, probable male
Complete left and right femurs; complete left and right tibiae.

Room 17 Mezzanine

•Adult, sex undetermined
Complete cranial vault; incomplete cranial base; incomplete facial bones.

Catalog No. 99.1/569, "Christian Burial B"

Room 12 Mezzanine

•Adult, female
Incomplete sacrum; complete left and incomplete right innominates; complete left and right femurs; complete left and right tibiae; complete left fibula; 2 tarsals; 6 phalanges.

Room 17 Mezzanine

•Adult, female
Complete cranial vault; complete cranial base; complete facial bones; 18 intact and 9 loose teeth.

Catalog No. 99.1/570* (Undetermined Period)

Room 17 Mezzanine

•Adult, sex undetermined
Incomplete facial bones; complete mandible; 1 intact tooth.

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*The AMNH catalog states that the following remains, 99.1/570–99.1/640 inclusive, were excavated "from the center of the present Christian cemetery. They were skeletons which had been gathered up from the surface and given a mass burial when the Christian cemetery was established. It is very probable that they are the remains of rack burials practiced before contact." These remains do not have individual burial numbers; they are listed by catalog number only.

Catalog No. 99.1/571 (Undetermined Period)

Room 17 Mezzanine
•Age undetermined, probable male
Complete cranial vault; incomplete cranial base.

Catalog No. 99.1/572 (Undetermined Period)

Room 17 Mezzanine
•Adult, male
Complete cranial vault; incomplete cranial base; incomplete facial bones; 1 loose tooth.

Catalog No. 99.1/573 (Undetermined Period)

Room 17 Mezzanine
•Adult, probable female
Complete cranial vault; incomplete cranial base; complete facial bones.

Catalog No. 99.1/574 (Undetermined Period)

Room 17 Mezzanine
•Adult, male
Complete cranial vault; complete cranial base; incomplete facial bones.

Catalog No. 99.1/575 (Undetermined Period)

Room 17 Mezzanine
•Adult, male
Complete cranial vault; incomplete cranial base; incomplete facial bones; 4 intact teeth.

Catalog No. 99.1/576 (Undetermined Period)

Room 17 Mezzanine
•Adult, probable female
Complete cranial vault; complete cranial base.

Catalog No. 99.1/577 (Undetermined Period)

Room 17 Mezzanine
•Adult, sex undetermined
Complete cranial vault; incomplete cranial base.

Catalog No. 99.1/578 (Undetermined Period)

Room 17 Mezzanine
•Adult, sex undetermined
Complete mandible.

Catalog No. 99.1/579 (Undetermined Period)

Room 17 Mezzanine
•Adult, sex undetermined
Complete mandible; 2 intact teeth.

Catalog No. 99.1/580 (Undetermined Period)

Room 17 Mezzanine
•Adult, female
Complete mandible; 6 intact teeth.

Catalog No. 99.1/581 (Undetermined Period)

Room 17 Mezzanine
•Adult, probable male
Complete mandible.

Catalog No. 99.1/582 (Undetermined Period)

Room 17 Mezzanine
•Subadult, sex undetermined
Complete mandible; 4 intact teeth.

Catalog No. 99.1/583 (Undetermined Period)

Room 17 Mezzanine
•Adult, sex undetermined
Complete mandible.

Catalog No. 99.1/584 (Undetermined Period)

Room 17 Mezzanine
•Adult, sex undetermined
Incomplete mandible.

Catalog No. 99.1/585 (Undetermined Period)

Room 17 Mezzanine
•Age undetermined, sex undetermined
Incomplete mandible.

Catalog No. 99.1/586 (Undetermined Period)

Room 17 Mezzanine
•Adult, female
Complete cranial vault; complete cranial base; complete facial bones; 1 loose and 2 intact teeth.

Catalog No. 99.1/587 (Undetermined Period)

Room 17 Mezzanine
•Adult, female
Complete cranial vault.

Catalog No. 99.1/588 (Undetermined Period)

Room 17 Mezzanine
•Adult, female
Incomplete cranial vault; complete cranial base; complete facial bones; 1 intact tooth.

Catalog No. 99.1/589 (Undetermined Period)

Room 17 Mezzanine
•Adult, male
Complete cranial vault; complete cranial base; complete facial bones; 1 intact tooth.

Catalog No. 99.1/590 (Undetermined Period)

Room 17 Mezzanine
•Adult, probable male
Complete cranial vault.

Catalog No. 99.1/591 (Undetermined Period)

Room 17 Mezzanine
•Adult, sex undetermined
Complete cranial vault.

Catalog No. 99.1/592 (Undetermined Period)

Room 17 Mezzanine
•Age undetermined, sex undetermined
Complete cranial vault; complete cranial base; incomplete facial bones; 2 intact teeth.

Catalog No. 99.1/593 (Undetermined Period)

Room 17 Mezzanine
•Adult, sex undetermined
Complete cranial vault; complete cranial base; incomplete facial bones; 1 loose and 6 intact teeth.

Catalog No. 99.1/594 (Undetermined Period)

Room 17 Mezzanine
•Adult, male
Complete cranial vault; complete cranial base; complete facial bones.

Catalog No. 99.1/595 (Undetermined Period)

Room 17 Mezzanine
•Adult, male
Complete cranial vault.

Catalog No. 99.1/596 (Undetermined Period)

Room 17 Mezzanine
•Adult, male
Complete cranial vault; complete cranial base; incomplete facial bones.

Catalog No. 99.1/597 (Undetermined Period)

Room 17 Mezzanine
•Adult, male
Complete cranial vault.

Catalog No. 99.1/598 (Undetermined Period)

Room 17 Mezzanine
•Adult, male
Complete cranial vault; complete cranial base; complete facial bones; 1 intact tooth.

Catalog No. 99.1/599 (Undetermined Period)

Room 17 Mezzanine
•Adult, probable female
Complete cranial vault.

Catalog No. 99.1/600 (Undetermined Period)

Room 17 Mezzanine
•Adult, probable female
Complete cranial vault.

Catalog No. 99.1/602 (Undetermined Period)

Room 17 Mezzanine
•Adult, probable male
Complete cranial vault.

Catalog No. 99.1/603 (Undetermined Period)

Room 17 Mezzanine
•Adult, probable female
Incomplete cranial vault; incomplete facial bones.

Catalog No. 99.1/604 (Undetermined Period)

Room 17 Mezzanine
•Adult, male
Complete cranial vault; complete cranial base; incomplete facial bones.

Catalog No. 99.1/605 (Undetermined Period)

Room 17 Mezzanine
•Adult, male
Complete cranial vault; incomplete cranial base; complete facial bones.

Catalog No. 99.1/606 (Undetermined Period)

Room 17 Mezzanine
•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones; 4 intact teeth.

Catalog No. 99.1/607 (Undetermined Period)

Room 17 Mezzanine
•Adult, male
Complete cranial vault; complete cranial base; incomplete facial bones; 4 intact teeth.

Catalog No. 99.1/608 (Undetermined Period)

Room 17 Mezzanine
•Adult, male
Complete cranial vault; complete cranial base; complete facial bones; 6 intact teeth.

Catalog No. 99.1/609 (Undetermined Period)

Room 17 Mezzanine
•Adult, female
Complete cranial vault; complete cranial base; complete facial bones; 2 intact teeth.

Catalog No. 99.1/610 (Undetermined Period)

Room 17 Mezzanine
•Adult, female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 intact tooth.

•Adult, male
Complete cranial vault; complete cranial base; complete facial bones.

Catalog No. 99.1/611 (Undetermined Period)

Room 17 Mezzanine
•Adult, female
Complete cranial vault; complete cranial base; complete facial bones.

Catalog No. 99.1/612 (Undetermined Period)

Room 17 Mezzanine
•Adult, probable female
Complete cranial vault; complete cranial base; complete facial bones.

Catalog No. 99.1/613 (Undetermined Period)

Room 17 Mezzanine
•Adult, male
Complete cranial vault; complete cranial base; complete facial bones.

Catalog No. 99.1/614 (Undetermined Period)

Room 17 Mezzanine
•Adult, probable female
Complete cranial vault; incomplete cranial base; incomplete facial bones.

Catalog No. 99.1/615 (Undetermined Period)

Room 17 Mezzanine
•Adult, probable female
Complete cranial vault; complete cranial base.

Catalog No. 99.1/616 (Undetermined Period)

Room 17 Mezzanine
•Adult, male
Incomplete cranial vault; incomplete cranial base.

Catalog No. 99.1/617 (Undetermined Period)

Room 17 Mezzanine
•Subadult, sex undetermined
Complete cranial vault; incomplete cranial base; complete facial bones.

Catalog No. 99.1/618 (Undetermined Period)

Room 17 Mezzanine
•Adult, probable female
Complete cranial vault; complete cranial base.

Catalog No. 99.1/619 (Undetermined Period)

Room 17 Mezzanine
•Adult, probable male
Complete cranial vault; incomplete cranial base; complete facial bones; 7 intact teeth.

Catalog No. 99.1/620 (Undetermined Period)

Room 17 Mezzanine
•Adult, probable male
Complete cranial vault; incomplete cranial base; complete facial bones.

Catalog No. 99.1/621 (Undetermined Period)

Room 17 Mezzanine
•Adult, male
Complete cranial vault; complete cranial base; incomplete facial bones; 1 intact tooth.

Catalog No. 99.1/622 (Undetermined Period)

Room 17 Mezzanine
•Adult, sex undetermined
Incomplete cranial vault.

Catalog No. 99.1/623 (Undetermined Period)

Room 17 Mezzanine
•Adult, female
Complete cranial vault; incomplete cranial base.

Catalog No. 99.1/625 (Undetermined Period)

Room 17 Mezzanine
•Adult, sex undetermined
Complete cranial vault; incomplete cranial base.

Catalog No. 99.1/626 (Undetermined Period)

Room 17 Mezzanine
•Adult, probable male
Complete cranial vault; complete cranial base; complete facial bones.

Catalog No. 99.1/627 (Undetermined Period)

Room 17 Mezzanine
•Adult, probable female
Incomplete cranial vault.

Catalog No. 99.1/628 (Undetermined Period)

Room 17 Mezzanine
•Adult, probable female
Complete cranial vault; incomplete cranial base.

Catalog No. 99.1/629 (Undetermined Period)

Room 17 Mezzanine
•Adult; female; complete cranial vault; complete cranial base.

Catalog No. 99.1/630 (Undetermined Period)

Room 17 Mezzanine
•Adult, probable male
Complete cranial vault; incomplete cranial base.

Catalog No. 99.1/631 (Undetermined Period)

Room 17 Mezzanine
•Adult, male
Complete cranial vault; incomplete cranial base; incomplete facial bones.

Catalog No. 99.1/632 (Undetermined Period)

Room 17 Mezzanine
•Subadult, sex undetermined
Incomplete cranial vault; incomplete cranial base; incomplete facial bones; 6 intact teeth.

Catalog No. 99.1/633 (Undetermined Period)

Room 17 Mezzanine
•Adult, male
Incomplete cranial vault; incomplete cranial base.

Catalog No. 99.1/634 (Undetermined Period)

Room 17 Mezzanine
•Adult, female
Complete cranial vault; complete cranial base; complete facial bones.

Catalog No. 99.1/635 (Undetermined Period)

Room 17 Mezzanine
•Adult, probable male
Complete cranial vault; incomplete cranial base.

Catalog No. 99.1/636 (Undetermined Period)

Room 17 Mezzanine
•Adult, male
Complete cranial vault; incomplete cranial base; incomplete facial bones.

Catalog No. 99.1/637 (Undetermined Period)

Room 17 Mezzanine
•Adult, female
Complete cranial vault; incomplete cranial base.

Catalog No. 99.1/638 (Undetermined Period)

Room 17 Mezzanine
•Adult, sex undetermined
Complete mandible.

Catalog No. 99.1/639 (Undetermined Period)

Room 17 Mezzanine
•Subadult, sex undetermined
Complete mandible; 3 intact teeth.

Catalog No. 99.1/640** (Undetermined Period)

Room 17 Mezzanine
•Adult, sex undetermined
Complete mandible; 3 intact teeth.

Catalog No. 99.1/641 (Tigara Period)

"Found near school house [*sic*] during excavations. Probably Tigara."

Room 12 Mezzanine
•Adult, male
Complete left and right humeri; 1 vertebra; complete right ulna; complete left innominate; complete left and right tibiae.

Catalog No. 99.1/642 (Undetermined Period)

"Found on surface about 1 mile east of church. May be either rack burial or washed out burial post 1900."

**End of remains from mass burial.

Room 17 Mezzanine
•Adult, male
Complete cranial vault; complete cranial base; complete facial bones.

Catalog No. 99.1/643 (Tigara Period)

"Found in excavating church cemetery, may be Tigara."

Room 17 Mezzanine
•Adult, sex undetermined
Complete cranial vault; complete cranial base; complete facial bones; 4 intact teeth.

Catalog No. 99.1/644 (Tigara Period)

"Found in village, probably Tigara."

Room 17 Mezzanine
•Adult, probable male
Complete cranial vault; complete cranial base; complete facial bones; 6 intact teeth.

Catalog No. 99.1/645 (Tigara Period)

"Found in swale back of school house [*sic*], probably Tigara."

Room 17 Mezzanine
•Adult, female
Complete cranial vault; complete cranial base; complete facial bones; 4 intact teeth.

Catalog No. 99.1/646 (Tigara Period)

"Found on surface, several hundred yards east of school. Probably rack burial."

Room 17 Mezzanine
•Adult, probable female
Complete cranial vault.

Catalog No. 99.1/647 (Undetermined Period)

"Found on surface, either rack burial or post 1900."

Room 17 Mezzanine
•Adult, female
Complete cranial vault; incomplete cranial base.

Catalog No. 99.1/648 (Undetermined Period)

"Rack burial or post 1900."

Room 12 Mezzanine

•Adult, sex undetermined
Complete left and right femurs; complete left tibia.

Catalog No. 99.1/649 (Historical Period)

"Christian burial at Jabbertown."

Room 12 Mezzanine

•Adult, sex undetermined
Incomplete right femur; complete right tibia.

Room 17 Mezzanine

•Adult, probable male
Complete cranial vault; complete cranial base; complete facial bones.

Catalog No. 99.1/650 (Tigara Period)

"Surface, east of school"

Room 12 Mezzanine

This catalog number consists of 26 long bones, all adult, except as noted; each is labeled.
650a: incomplete right femur
650b: incomplete right femur
650c: incomplete left femur
650d: incomplete left tibia
650e: incomplete left femur
650f: incomplete left femur
650g: incomplete right femur
650h: incomplete left femur
650i: complete right femur, subadult
650j: left humerus, matches 99.1/651b
650k: incomplete left femur
650l: incomplete right femur
650m: incomplete right femur
650n: complete right radius
650o: incomplete left femur
650p: complete right radius
650q: incomplete right femur
650r: incomplete right femur
650s: incomplete right tibia
650t: complete right femur
650u: incomplete right femur
650v: complete right humerus
650w: incomplete right humerus
650x: incomplete left radius

650y: incomplete left humerus
650z: incomplete left tibia

Catalog No. 99.1/651 (Undetermined Period)

Room 12 Mezzanine

The remains in this catalog number were surface collected east of the school. All are from adults, and each is labeled with a catalog number as noted.
651a: incomplete right femur
651b: complete left humerus, matches 99.1/650j, above
651c: complete left femur
651l: incomplete left innominate, male
651m: incomplete left scapula
651n: complete right calcaneus

Catalog No. 99.1/651d (Undetermined Period)

"Found on surface, east of school."

Room 17 Mezzanine

•Adult, probable female
Complete cranial vault.

Catalog No. 99.1/651e (Undetermined Period)

"Found on surface, east of school."

Room 17 Mezzanine

•Age undetermined, sex undetermined
Occipital fragment.

Catalog No. 99.1/651f (Undetermined Period)

"Found on surface, east of school."

Room 17 Mezzanine

•Adult, sex undetermined
Incomplete cranial vault.

Catalog No. 99.1/651g (Undetermined Period)

"Found on surface, east of school."

Room 17 Mezzanine

•Adult, sex undetermined
Incomplete cranial vault.

Catalog No. 99.1/651h (Undetermined Period)

"Found on surface, east of school."

Room 17 Mezzanine
•Adult, probable male
Incomplete cranial vault.

Catalog No. 99.1/651i (Undetermined Period)

"Found on surface, east of school."

Room 17 Mezzanine
•Adult, sex undetermined
Complete cranial vault.
Comments: Fragments of 99.1/651d and k are stored with these remains.

Catalog No. 99.1/651o (Undetermined Period)

"Found on surface, east of school."

Room 17 Mezzanine
•Adult, sex undetermined
Incomplete mandible; 2 intact teeth.

Catalog No. 99.1/651p (Undetermined Period)

"Found on surface, east of school."

Room 17 Mezzanine
•Adult, probable male
Complete mandible; 1 intact tooth.

Catalog No. 99.1/652 (Undetermined Period)

"Bones found on surface several hundred yards east of school."

Room 12 Mezzanine
•Adult, sex undetermined unless otherwise noted
652a: incomplete left femur, subadult, matches 652b
652b: incomplete right femur, subadult, matches 652a
652c: incomplete right femur, probable male
652d: incomplete right femur
652e: incomplete right femur, male
652f: complete left femur
652g: complete right talus

Catalog No. 99.1/653a (Undetermined Period)

"Found on surface about several hundred yards east of school, probably rack [burial]."

Room 17 Mezzanine
•Adult, sex undetermined
Complete mandible; 3 intact teeth.

Catalog No. 99.1/653b (Undetermined Period)

"Found on surface about several hundred yards east of school, probably rack [burial]."

Room 17 Mezzanine
•Adult, male
Incomplete mandible; 3 intact teeth.

Catalog No. 99.1/654 (Undetermined Period)

"Found on surface about several hundred yards east of school, probably rack [burial]."

Room 17 Mezzanine
•Adult, probable female
Complete mandible; 2 intact teeth.

Catalog No. 99.1/654d (Undetermined Period)

"Found on surface about several hundred yards east of school, probably rack [burial]."

Room 17 Mezzanine
•Adult/subadult, sex undetermined
Incomplete sacrum.

Catalog No. 99.1/654e and 99.1/654f (Undetermined Period)

"Found on surface about several hundred yards east of school, probably rack [burial]."

Room 17 Mezzanine
•Age undetermined, sex undetermined
Cranial fragments.

Catalog No. 99.1/655 (Undetermined Period)

"Found on surface, east of school."

Room 12 Mezzanine
The following remains are all adult, sex undetermined and incomplete.
655a: left femur

655b: left tibia
655c: left femur
655d: right femur
655e: left tibia
655f: left femur
655g: right humerus
655h: right humerus
655i: left femur
655j: right tibia
655k: left humerus
655l: left humerus
655m: right humerus
655n: right femur
655o: right femur
655p: right ulna
655q: left femur
655r: left humerus
655s: right humerus
655t: left femur
655u: right tibia
655v: left humerus
655w: right tibia
655x: left femur
655y: right femur
655z: right femur

Catalog No. 99.1/656 (Undetermined Period)

A note with these remains states: "Surface find near whale jaw, probably rack burial, about 1 mile from church."

Room 12 Mezzanine

•Age undetermined, sex undetermined unless otherwise noted
656a: incomplete right humerus
656b: complete left (male) and right femurs (from 2 different individuals)
656c: incomplete right femur
656d: incomplete right femur, probable male
656e: incomplete left tibia
656f: incomplete left femur
656g: complete right humerus
656h: incomplete left femur, probable male
656i: incomplete left femur
656j: incomplete right femur
656k: incomplete right tibia
656n: incomplete right innominate, female
656o: incomplete right innominate, female

Catalog No. 99.1/656-L (Undetermined Period)

A note with these remains states: "Surface find near whale jaw, probably rack burial, about 1 mile from church."

Room 17 Mezzanine
•Adult, probable female
Incomplete mandible.

Catalog No. 99.1/656-M (Undetermined Period)

A note with these remains states: "Surface find near whale jaw, probably rack burial, about 1 mile from church."

Room 17 Mezzanine
•Adult, probable male
Complete mandible.

Catalog No. 99.1/658 (Undetermined Period)

"Found on surface near 99.1/569. Either rack burial or post 1900."

Room 17 Mezzanine
•Adult, male
Complete cranial vault; complete cranial base; complete facial bones.

Catalog No. 99.1/659 (Tigara Period)

"Surface find at Jabbertown."

Room 17 Mezzanine
•Adult, sex undetermined
Complete mandible.

Catalog No. 99.1/660, Burial No. JB1 (Ipiutak Period) (Table 177)

Room 12 Mezzanine
•Age undetermined, sex undetermined
Complete sacrum; 24 vertebrae; 11 ribs/rib fragments; complete sternum; incomplete left and complete right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 27 phalanges.

Room 17 Mezzanine
•Adult, male
Complete mandible; 2 intact and 19 loose teeth.

Table 177.
Associated Funerary Object from Jabbertown Burial 1, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4323	ground stone	"Adze blade" (Plate 47, Object 17)	complete

Catalog No. 99.1/661, Burial No. JB14 (Ipiutak Period)

Room 12 Mezzanine

•Adult, sex undetermined
Incomplete sternum; 11 vertebrae; 1 tarsal.
Comments: Remains from 99.1/661 and 99.1/662 are intermingled, but each is correctly labeled.

Catalog No. 99.1/662, Burial No. JB18a (Ipiutak Period)

Room 12 Mezzanine

•Adult, male
Incomplete sacrum; 11 vertebrae; 6 ribs/rib fragments; complete left and right clavicles; incomplete right femur.
Comments: Remains from 99.1/661 and 99.1/662 are intermingled, but each is correctly labeled.

Catalog No. 99.1/663, Burial No. JB20 (Ipiutak Period)

Room 12 Mezzanine

•Adult, sex undetermined
Incomplete right scapula; incomplete left clavicle; incomplete left humerus; incomplete right ulna; incomplete, unsided femur.

Catalog No. 99.1/664, Burial No. JB21 (Ipiutak Period)

Room 12 Mezzanine

•Age undetermined, sex undetermined
Incomplete right fibula.

Catalog No. 99.1/665, Burial No. JB26 (Ipiutak Period)

Room 12 Mezzanine

•Adult, sex undetermined
Incomplete mandible; 14 intact teeth; 9 vertebrae; 5 ribs/rib fragments; incomplete right scapula; incomplete left and complete right clavicles; complete left and incomplete right humeri; complete right ulna; complete right radius; 2 metacarpals; incomplete left and right femurs; complete left patellae; 1 tarsal; 2 metatarsals; 3 phalanges.

•Adult, sex undetermined
Incomplete left femur; complete left patella.

Catalog No. 99.1/666, Burial No. 278 (Tigara Period)

Room 12 Mezzanine

•Adult, probable female

Complete left and right clavicles; 25 vertebrae; 21 ribs/rib fragments; 2 incomplete right scapulae (see comments); complete left and right humeri; complete left and right ulnae; complete left and right radii; complete left and right tibiae.

Comments: The scapulae from 99.1/666 and 99.1/667 are mixed.

Room 17 Mezzanine

•Adult, female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 24 intact and 2 loose teeth.

Catalog No. 99.1/667, Burial No. 278 (Tigara Period)

Room 12 Mezzanine

•Adult, female

Complete sacrum; 24 vertebrae; 19 ribs/rib fragments; complete sternum; 2 incomplete left scapulae (see comments); complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; incomplete left and right innominates; complete left and right femurs; complete left and right tibiae.

Comments: The scapulae from 99.1/666 and 99.1/667 are mixed.

Room 17 Mezzanine

•Adult, female

Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 30 intact teeth.

Catalog No. 99.1/668, Burial No. H7 (Undetermined Period)

Room 17 Mezzanine

•Adult, probable male

Complete cranial vault; incomplete cranial base.

Comments: A note with these remains indicates that they are from "Ambler River Id Site House 7, Kobuk River."

Catalog No. 99.1/669, Burial No. H31 (Ipiutak Period) (House 31)

Room 17 Mezzanine

•Age undetermined, sex undetermined

Incomplete facial bones.

Catalog No. 99.1/670, Burial No. H49 (Ipiutak Period) (House 49)

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete sacrum; incomplete left scapula; incomplete left and right humeri; incomplete left and complete right ulnae; incomplete left and right radii; complete left and right innominates; incomplete left and complete right femurs; incomplete left and right tibiae; 2 tarsals; 11 metacarpals/metatarsals/phalanges.

Room 17 Mezzanine

•Subadult, sex undetermined
Incomplete cranial vault; incomplete facial bones; incomplete mandible; 7 intact and 8 loose teeth.
Comments: 1 chert flake is stored with these remains.

Catalog No. 99.1/671, Burial No. 131 (Undetermined Period) (Table 178)

Room 12 Mezzanine

•Subadult, probable female
Complete sacrum; 20 vertebrae; 12 ribs/rib fragments; incomplete sternum; complete left and right scapulae; complete left and right clavicles; complete left and right ulnae; complete left and right radii; 4 carpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 10 tarsals; 18 metacarpals/metatarsals; 11 phalanges.
Comments: 5 animal vertebrae are stored with these remains.

Room 17 Mezzanine

•Adult, female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 1 loose and 21 intact teeth.

Table 178.
Associated Funerary Objects from Burial 131, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4410	composite	ulu blade (4410b) & handle (4410a) (Plate 90, Object 29)	complete
60.2/4816	modified faunal remains	"Hair pin"; long bone carved to sharp point; articular end of bone perforated w/ triangular hole	complete

Catalog No. 99.1/672, Burial No. 132 (Undetermined Period) (Table 179)

Room 12 Mezzanine

•Adult, female
Incomplete sacrum; 21 vertebrae; 7 ribs/rib fragments; incomplete sternum; incomplete left and right scapulae; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left and right radii; 10 carpals; 9 metacarpals; complete left and incomplete right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 10 tarsals; 9 metatarsals; 23 phalanges.

Room 17 Mezzanine

•Adult, female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 21 intact teeth.

Table 179.
Associated Funerary Objects from Burial 132, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4817	modified faunal remains	"Knife handle, composite type"; 2 pieces, antler, labeled 4817a–4817b	incomplete

Catalog No. 99.1/673, Burial No. 133 (Undetermined Period)

Room 12 Mezzanine

•Adult, sex undetermined
9 tarsals; 11 phalanges.

Catalog No. 99.1/674, Burial No. 134 (Undetermined Period)

Room 12 Mezzanine

•Adult, sex undetermined
Incomplete left scapula; 1 vertebra; 2 ribs/rib fragments; incomplete left clavicle; incomplete left humerus; complete left ulna; incomplete left tibia; incomplete left and right fibulae; 6 tarsals; 9 metatarsals; 11 phalanges.

Catalog No. 99.1/675, Burial No. 137 (Tigara Period) (Table 180)

Room 12 Mezzanine

•Adult, female
Incomplete sacrum; 10 vertebrae; 22 ribs/rib fragments; incomplete sternum; incomplete left and complete right scapulae; complete left and right clavicles; complete right humerus; complete right ulna; complete left and right radii; 4 carpals; complete left and right innominates; complete left and right femurs; complete left and right patellae; complete left and right tibiae; complete left and right fibulae; 6 tarsals; 11 metatarsals; 7 phalanges.

Room 17 Mezzanine

•Adult, female
Complete cranial vault; complete cranial base; complete facial bones; complete mandible; 24 intact teeth.

Table 180.
Associated Funerary Objects from Burial 137, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4818	chipped stone	"Semilunar blade" in 2 pieces	complete
60.2/4819	modified faunal remains	"Thin curved piece of ivory, perforated"; convex surface of object is carved w/ triangular shapes	complete
60.2/4820	modified faunal remains	"Ivory object, carved and engraved"; shaped like half of a canoe, w/ semibarbs carved near "bow"	complete

Catalog No. 99.1/676, Burial No. JB2 (Ipiutak Period)

Room 12 Mezzanine

•Age undetermined, sex undetermined
Incomplete right femur; incomplete left and right tibiae; incomplete, unsided fibula

Catalog No. 99.1/677, Burial No. JB3 (Ipiutak Period)

Room 12 Mezzanine

•Age undetermined, sex undetermined
Incomplete left tibia.

Catalog No. 99.1/678, Burial No. JB10 (Ipiutak Period) (Table 181)

Room 12 Mezzanine

•Adult, sex undetermined
Incomplete left femur; 1 metatarsal.

Table 181.
Associated Funerary Objects from Jabbertown Burial 10, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4337	modified faunal remains	"Arrowhead, blade in point"; side slotted (Plate 32, Object 12)	complete
60.2/4338	modified faunal remains	"Arrowhead, fragmentary"	incomplete
60.2/4339	modified faunal remains	"Arrowhead, fragmentary"	incomplete
60.2/4340	modified faunal remains	"Arrowhead with barbs and end slot"	complete
60.2/4341	modified faunal remains	"Arrowhead with barbs and end slot"	complete
60.2/4342	modified faunal remains	arrowhead, 2 slots for side inset blades	complete
60.2/4343	modified faunal remains	"Arrowhead, fragmentary"	incomplete
60.2/4344	modified faunal remains	"Attachment, carving representing a fish head"; fragment; 1 eyehole contains jet insert (Plate 52, Object 11)	incomplete
60.2/4345	modified faunal remains	"Ornamental chain link"; 3 links; 1 end double looped, other end w/ 2 tines (Plate 72, Object 5)	complete
60.2/4346	modified faunal remains	"Openwork carving"; flat carving w/ diagonal, perforated slots (Plate 65, Object 10)	incomplete
60.2/4347	modified faunal remains	"Multi-looped openwork carving"; 2 in-line loops (Plate 63, Object 14)	complete
60.2/4348	modified faunal remains	"Openwork carving"; large flat link w/ smaller link at right angle on 1 end	complete
60.2/4349	modified faunal remains	"Openwork carving, fragmentary"; fragment of spiral openwork carving	incomplete
60.2/4350	modified faunal remains	"Carving—ring"; ring w/ 2 opposing flanges	complete
60.2/4351	modified faunal remains	"Openwork carving"; badly deteriorated fragment (Plate 56, Object 4)	incomplete
60.2/4352	modified faunal remains	"Swivel"; large swivel, antler	complete
60.2/4353	modified faunal remains	"Ornamental chain link"; clothespin shape, ivory, w/ ring & bird-beak end (Plate 70, Object 10)	complete
60.2/4354	modified faunal remains	"Openwork carving, fragmentary"; long, flattened, spike-like piece w/ remains of loop at 1 end	incomplete
60.2/4355	modified faunal remains	"Antler fragment"	incomplete

Catalog No. 99.1/679, Burial No. JB11 (Ipiutak Period) (Table 182)

Room 12 Mezzanine

•Adult, sex undetermined

Complete left and right clavicles; 1 vertebra; incomplete right tibia; incomplete, unsided fibula.

Table 182.
Associated Funerary Objects from Jabbertown Burial 11, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4356	modified faunal remains	"Arrowhead, end slot and barbs"; antler (Plate 33, Object 19)	complete
60.2/4357	modified faunal remains	"Arrowhead, end slot and barbs"	complete
60.2/4358	modified faunal remains	"Arrowhead with side slit, frag"; 3 side slots	incomplete
60.2/4359	modified faunal remains	"Openwork carving, unique"; ring w/ curved, flanged, perforated base (Plate 67, Object 11)	complete
60.2/4360	modified faunal remains	"Awl"; short, sharply pointed piece, ivory (Plate 43, Object 5)	complete
60.2/4361	modified faunal remains	"Swivel, complete"; ivory (Plate 57, Object 1)	complete
60.2/4362	modified faunal remains	"Swivel, complete"; 2 pieces, cataloged as 4362a–4362b (Plate 56, Object 3)	incomplete
60.2/4363	modified faunal remains	"Openwork carving, bird head" (Plate 69, Object 7)	complete
60.2/4364	modified faunal remains	"Openwork carving"; long, flat link w/ seal heads carved at each end (Plate 68, Object 12)	complete
60.2/4365	modified faunal remains	"Openwork carving"; aquatic-mammal carving integral w/ loop; ivory (Plate 68, Object 9)	complete
60.2/4366	modified faunal remains	chain link, figure-8 shaped, w/ carved, fantastic head at 1 end (Plate 70, Object 6)	complete
60.2/4367	modified faunal remains	"Openwork carving"; spiral link w/ flanges at ends, 1 end pierced	complete
60.2/4368	modified faunal remains	"Openwork carving, fragmentary"; fragment of flanged link	incomplete
60.2/4369	modified faunal remains	"Antler fragment"	complete

Catalog No. 99.1/680, Burial No. JB12 (Ipiutak Period) (Table 183)

Room 12 Mezzanine

•Adult, male

Incomplete right ulna; 4 vertebrae; 2 carpals; incomplete right innominate; 1 tarsal; 3 metacarpals/metatarsals; 10 phalanges.

Table 183.
Associated Funerary Objects from Jabbertown Burial 12, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4370	modified faunal remains	"Arrowhead, end slot and barbs"	complete
60.2/4371	modified faunal remains	"Harpoon foreshaft"; perforated slot near 1 end	complete
60.2/4373	ground stone	"Adze blade"	complete
60.2/4374	modified faunal remains	"Swivel"; large swivel w/ pin insert, carved, w/ small jet insert (Plate 56, Object 7)	complete
60.2/4375	modified faunal remains	"Openwork carving, ring"; 2 carved hands extend from ring (Plate 68, Object 16)	complete
60.2/4376	modified faunal remains	"Swivel, Type 2"; ring-like swivel w/ small secondary eyelet (Plate 57, Object 4)	complete
60.2/4377	modified faunal remains	"Openwork carving" (Plate 67, Object 16)	complete
60.2/4378	modified faunal remains	openwork carving, grotesque face (Plate 68, Object 6)	complete
60.2/4379	modified faunal remains	"Openwork carving"; twisted link w/ seal fin carved at 1 end (Plate 61, Object 1)	complete
60.2/4380	modified faunal remains	"Carving, base of walrus tusk"; openwork carving (Plate 63, Object 6)	incomplete
60.2/4381	modified faunal remains	"Openwork carving, fragmentary"	incomplete
60.2/4383	modified faunal remains	"Slender pointed implement, lance pt.?"; curved, w/ 2 long perforated slots (Plate 73, Object 8)	complete
60.2/4384	modified faunal remains	"Carved ivory rod"; slender rod, curved at 1 end (Plate 73, Object 4)	incomplete
60.2/4385	modified faunal remains	"Linked carving"; 3 interlocking links, end links have flanges, 1 perforated; ivory (Plate 71, Object 7)	complete
60.2/4386	modified faunal remains	"Ivory ring, jet insert" (Plate 75, Object 2)	complete
60.2/4387	modified faunal remains	"Ivory rod, fragmentary"	incomplete
60.2/4388	modified faunal remains	"Fragment of ivory rod"	incomplete
	modified faunal remains	"Openwork carving, fragmentary"; not cataloged, labeled "JB-12"	incomplete

Catalog No. 99.1/681, Burial No. JB13 (Ipiutak Period)

Room 12 Mezzanine

•Subadult, sex undetermined

Incomplete right clavicle; incomplete left and right humeri; incomplete left and right ulnae; incomplete right radius; incomplete left and right femurs.

Room 17 Mezzanine

•Subadult, sex undetermined

Incomplete mandible; 6 intact and 5 loose teeth.

Catalog No. 99.1/682, Burial No. JB16 (Ipiutak Period)

Room 12 Mezzanine

•Age undetermined, sex undetermined
Incomplete right humerus.

Catalog No. 99.1/683, Burial No. JB18b (Ipiutak Period) (Table 184)

Room 12 Mezzanine

•Adult, sex undetermined
Incomplete right ulna; 1 loose tooth; incomplete right radius; 1 metacarpal; incomplete left femur; incomplete right patella; complete left tibia; incomplete right fibula; 4 tarsals; 6 metatarsals; 4 phalanges.

Table 184.
Associated Funerary Object from Jabbertown Burial 18, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4372	chipped stone	"Arrowpoint"; base missing	incomplete

Catalog No. 99.1/684, Burial No. JB22 (Ipiutak Period)

Room 12 Mezzanine

•Adult, sex undetermined
Incomplete left scapula; 10 vertebrae; 3 ribs/rib fragments; complete left and right humeri; complete left and incomplete right ulnae; complete left and right radii; complete left and right femurs; complete left patella; complete left and right tibiae; complete left and right fibulae; 7 tarsals; 8 metatarsals; 7 phalanges.

•Adult/subadult, sex undetermined
Incomplete right radii; complete right tibia; 2 tarsals.

•Subadult/infant, sex undetermined
Incomplete, unsided femur; 1 rib; 4 unidentified long-bone fragments.

Room 17 Mezzanine

•Adult, female
Complete cranial vault; complete cranial base; complete facial bones; 4 intact and 6 loose teeth.

•Subadult/infant, sex undetermined
Incomplete cranial vault; incomplete cranial base; complete mandible; incomplete facial bones; 7 intact and 3 loose teeth.

•Age undetermined, sex undetermined
Incomplete cranial vault.

Catalog No. 99.1/685, Burial No. JB27 (Ipiutak Period)

Room 17 Mezzanine

•Subadult, sex undetermined
Incomplete cranial vault.
Comments: 1 neural arch is stored with these cranial remains.

Catalog No. 99.1/?, Burial No. ? (Tigara Period)

Room 17 Mezzanine

•Adult, female

Complete cranial vault; complete cranial base; complete facial bones; 5 intact teeth.

Comments: A note with these remains states: "No number/Ipiutak? Found on top of trays containing Ipiutak long bones—Had been left there when series was numbered and cataloged."

Catalog No. 99.1/957, Burial No. 278 (Tigara Period)

Room 12 Mezzanine

•Age undetermined, sex undetermined

2 ribs/rib fragments; 15 carpals; 10 metacarpals; 14 tarsals; 10 metatarsals; 31 phalanges.

•Age undetermined, sex undetermined

14 left carpals; 5 left metatarsals; 7 left tarsals; 5 left metatarsals.

Unassociated Funerary Objects

Tables 185–214 list the unassociated funerary objects in the Point Hope collection. In most cases no human skeletal remains were present or they were not collected due to deterioration and poor condition of the remains.

Table 185.
Unassociated Funerary Object from Unknown Grave, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8849	ground stone	blade, slate, stemmed leaf shape; "No Specific Location (Grave)"	incomplete

Table 186.
Unassociated Funerary Objects from Burial 2, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7247	ground stone	1 stone for grinding red ochre into paint	complete
60.1/7248	chipped stone	scraper	incomplete
60.1/7249	chipped stone	1 arrow/ lance head	complete
60.1/7250	chipped stone	1 arrow/ lance head fragment	incomplete
60.1/7251	chipped stone	2 flint arrow point fragments	incomplete
60.1/7252	chipped stone	1 rectangular blade, flint (Plate 81, Object 2)	complete
60.1/7253	modified faunal remains	1 blunt bird arrowhead	complete
60.1/7254a	modified faunal remains	arrowhead (Plate 78, Object 15)	missing
60.1/7254b	modified faunal remains	arrowhead (Plate 78, Object 16)	missing

Table 187.
Unassociated Funerary Objects from Burial 7, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7288	ground stone	1 adze head, stone	complete
60.1/7289	chipped stone	4 used scrapers, flint (Plate 46, Object 33)	complete
60.1/7290	chipped stone	1 scraper, flint	complete
60.1/7291	chipped stone	1 scraper, chert	complete
60.1/7292	chipped stone	12 projectile points, flint (Plate 35, Objects 22, 26, & 28)	complete
60.1/7293	chipped stone	10 side inset blades (Plate 36, Object 34)	complete
60.1/7294	chipped stone	1 sublanceolate blade, chert	complete
60.1/7295	chipped stone	1 fragment, blade scraper, chert	incomplete
60.1/7296	modified faunal remains	1 arrowhead w/ side blades	complete
60.1/7297	modified faunal remains	1 flint-flaker handle	incomplete
60.1/7298	modified faunal remains	1 flint-flaker handle	incomplete
60.1/7298	modified faunal remains	2 flint-flaker handle points (?)	incomplete
60.1/7299	modified faunal remains	1 awl	complete

Table 188.
Unassociated Funerary Objects from "Near Grave Group 15–20," Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7443	chipped stone	1 side blade (Plate 36, Object 20)	incomplete
60.1/7444	modified faunal remains	3 arrowheads (Plate 53, Figure 7)	complete
60.1/7445	modified faunal remains	1 unidentified fragment, flat	incomplete
60.1/7446	modified faunal remains	1 flat, perforated, unidentified object	complete
60.1/7447	modified faunal remains	1 effigy, frog-like, use undetermined	complete
60.1/7449	modified faunal remains	1 unidentified looped object, carved (Plate 67, Object 15)	incomplete
60.1/7450	modified faunal remains	1 unidentified looped object (Plate 63, Object 11)	complete

Table 189.
Unassociated Funerary Object from "about Graves 15–20," Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8275	modified faunal remains	looped object, ivory	complete

Table 190.
Unassociated Funerary Objects from Burial 23, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7485	ground stone	1 whetstone	complete
60.1/7486	chipped stone	1 subtriangular scraper blade (Plate 46, Object 14)	complete
60.1/7487	chipped stone	2 arrow points	complete
60.1/7488	chipped stone	2 side blades	1 incomplete

Catalog No.	Material Class	Description	Condition
60.1/7489	chipped stone	1 projectile point	complete
60.1/7490	chipped stone	2 projectile-point fragments	incomplete
60.1/7491	modified faunal remains	6 arrowheads w/ side slots	complete
60.1/7492	modified faunal remains	3 arrowheads w/ end slots	complete
60.1/7493	chipped stone	1 fragment of side-slot arrow	incomplete
60.1/7493	modified faunal remains	2 arrowhead fragments	incomplete
60.1/7494	modified faunal remains	1 lance head w/ side slots	complete
60.1/7495	modified faunal remains	lance head w/ wavy edge, triangular cross section w/ slot at apex, single inset in place, incised line-and-circle decorations (Figures 40a–40b & Plate 40, Object 4)	complete
60.1/7496	modified faunal remains	"Lance head," ivory	incomplete
60.1/7498	modified faunal remains	"Toggle, looped"; large openwork carving of 2 links; large link is composed of 3 loops, smaller link is a bird-head effigy	complete
60.1/7499	modified faunal remains	"Decorated spiral object"; object w/ spiral, longitudinal slot; ivory (Plate 61, Object 3)	fragment, fair
60.2/4784	modified faunal remains	stylized carving of wolf w/ lug on bottom, ivory (Plate 53, Object 8)	complete

Table 191.
Unassociated Funerary Objects from Burial 28, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7592	modified faunal remains	"Twisted and looped object"; carved ivory , base oval in cross section, 3 spiral shafts meet to form loop (Plate 63, Object 5)	complete
60.1/7593	modified faunal remains	"Looped object"; shaft section w/ 2 oval perforations	incomplete
60.1/7594	modified faunal remains	"Flat perforated object"; fragment w/ perforated slot, bone/antler	incomplete
60.1/7595	faunal remains	long-bone-shaft fragment, nonhuman	incomplete

Table 192.
Unassociated Funerary Objects from Burial 34, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7651	chipped stone	4 large flakes, unmodified	complete
60.1/7652	chipped stone	discoidal scraper, black chert	complete
60.1/7653	chipped stone	"Large side blade," gray chert	complete
60.1/7654	modified faunal remains	1 scraper, caribou leg bone	complete
60.1/7655	modified faunal remains	"Bird bone tube"; bone-shaft fragment	incomplete

Table 193.
Unassociated Funerary Object from Burial 40, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4794	unmodified faunal remains	fragment, fish (?) bone	incomplete

Table 194.
Unassociated Funerary Objects from Burial 47, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7668	chipped stone	1 large flake, not retouched	complete
60.1/7669	chipped stone	"Sub-triangular scraper blade"; biface w/ constricted middle; 1 end retouched to form convex edge	complete
60.1/7670	modified faunal remains	"Lance head—triangular cross section" (Plate 39, Object 12)	complete
60.1/7671	modified faunal remains	"Carved seal"; carved ivory, long pendant shape w/ perforated slot on 1 face, longitudinal grooves on both faces, 2 "eye" slits on 1 end	complete
60.1/7672	modified faunal remains	"Carved seal"; carved ivory w/ engraved lines representing the skeleton; perforated slot on underside of seal's "chin" (Plate 52, Object 8)	complete
60.1/7673	modified faunal remains	antler base, worked	incomplete
60.1/7674	modified faunal remains	projectile point w/ slot & perforated slit at 1 end, antler (Plate 75, Object 12)	complete
60.1/7675	modified faunal remains	"Unislant projectile point"; flat fragment w/ angled point on 1 end, antler	complete

Table 195.
Unassociated Funerary Objects from Burial 63, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7707	chipped stone	flake, gray chert	complete
60.1/7708	chipped stone	"Flint blank"; worked biface	complete
60.1/7709	chipped stone	"Triangular scraper blade ?"; bifacially retouched flake	complete
60.1/7710	chipped stone	scraper blade, discoidal	complete
60.1/7711	modified faunal remains	"Ivory shaft with animal head"; badly deteriorated shaft w/ bird (?) head carved at 1 end (Plate 76, Object 8)	complete

Table 196.
Unassociated Funerary Objects from Burial 64, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/7712	modified faunal remains	harpoon foreshaft, antler (7712b), & harpoon socket piece (7712a); socket piece carved in animal-head motif w/ mouth slits, nostril holes, and inset jet eyes (Plate 38, Object 2)	incomplete

Catalog No.	Material Class	Description	Condition
60.1/7713	modified faunal remains	funerary mask, carved ivory w/ jet inserts; 7713a: brow piece, 7713b: upper mouth piece, 7713c–7713d: side bars, 7713e: "moustache" piece, 7713f: lower mouth piece, 7713i: nose piece, 7713j–7713k: lashing covers (Plate 55)	incomplete
60.1/7713g	modified faunal remains	"Parts of carved frame piece"; rectangular piece w/ perforated holes around circumference & engraved lines; 1 edge scalloped (Plate 55)	2 pieces, mended
60.1/7713h	modified faunal remains	"Parts of carved frame piece"; rectangular piece, ivory, w/ slots & holes perforated around perimeter & engraved lines (Plate 55)	incomplete
60.1/7714a	modified faunal remains	description matches 7714c: "Antler tube"; catalog describes 7714a as arrowheads (Plate 32, Object 15)	incomplete
60.1/7714b	modified faunal remains	arrowhead w/ barbs & end slot	incomplete
60.1/7714c	modified faunal remains	arrowhead, antler, w/ end blade & grooved sides; see 7714a, above (Plate 32, Object 15)	complete
60.1/7714d	modified faunal remains	arrowhead, antler, w/ end blade & barbs (Plate 33, Object 8)	complete
60.1/7714e	modified faunal remains	arrowhead w/ end slot	complete
60.1/7714f	modified faunal remains	arrowhead, antler, w/ end slot & grooved side	complete
60.1/7714g	modified faunal remains	arrowhead w/ end slot & barbs	complete
60.1/7714h	modified faunal remains	arrowhead, antler, w/ end slot & grooved side	complete
60.1/7714i	modified faunal remains	arrowhead, antler, w/ end slot & barbs	complete
60.1/7714j	modified faunal remains	arrowhead w/ blunt point & side barb	complete
60.1/7714k	modified faunal remains	pendant, ivory, 1 of 8; constricted neck for suspension (Plate 55)	complete
60.1/7714l	modified faunal remains	pendant, ivory, 1 of 8; perforated hole for suspension (Plate 55)	complete
60.1/7714m	modified faunal remains	pendant, ivory, 1 of 8; cylinder shape w/ perforated slot & engraved spiral (Plate 55)	complete
60.1/7714n	modified faunal remains	pendant, ivory, 1 of 8; pear shape, w/ perforated hole for suspension (Plate 55)	complete
60.1/7714o	modified faunal remains	pendant, ivory, 1 of 8; "musical note" shape, w/ perforated hole for suspension; engraved lines faintly discernable (Plate 55)	complete
60.1/7714p	modified faunal remains	pendant, ivory, 1 of 8, w/ perforated slot for suspension & constricted "waist" (Plate 55)	complete
60.1/7714q	modified faunal remains	pendant, ivory, 1 of 8; constricted "waist"; perforated hole for suspension (Plate 55)	complete
60.1/7714r	modified faunal remains	pendant, ivory, 1 of 8; teardrop shape, w/ perforated hole for suspension & longitudinal groove on 1 side (Plate 55)	complete

Catalog No.	Material Class	Description	Condition
60.1/7714s	modified faunal remains	rectangular "cleat," ivory; 3 shallow holes on 1 side (Plate 55)	complete
60.1/7714t	modified faunal remains	rectangular "cleat," ivory; 4 shallow holes on 1 side, separated by grooves (Plate 55)	complete
60.1/7714u	modified faunal remains	rectangular "cleat," ivory; 4 shallow holes on 1 side, separated by grooves (Plate 55)	complete

Table 197.
Unassociated Funerary Object from Burial 70, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/3867	ground stone	"Adze blade"	complete

Table 198.
Unassociated Funerary Objects from Burial 72, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/3868	chipped stone	"End blade for arrow," black chert (Plate 35, Object 33)	complete
60.2/3869	chipped stone	"End blade for arrow," gray chert	complete
60.2/3870	chipped stone	"End blade for arrow"	complete
60.2/3871	chipped stone	"End blade for arrow"	complete
60.2/3872	chipped stone	"End blade for arrow"	complete
60.2/3873	chipped stone	"End blade for arrow"	complete
60.2/3874	chipped stone	"End blade for arrow"	complete
60.2/3875	chipped stone	"End blade for arrow"	complete
60.2/3876	chipped stone	"End blade for arrow"	complete
60.2/3877	chipped stone	"End blade for arrow"	complete
60.2/3878	chipped stone	end blade for arrow, 2 basal fragments cataloged as 3878a–3878b	incomplete
60.2/3879	chipped stone	"Inset blade, side blade, Type 1" (Plate 36, Object 22)	complete
60.2/3880	chipped stone	"Inset blade, side blade, Type 1" (Plate 36, Object 31)	complete
60.2/3881	chipped stone	"Inset blade, side blade, Type 1"	complete
60.2/3882	chipped stone	"Inset blade, side blade, Type 1"	complete
60.2/3883	chipped stone	"Inset blade, side blade, Type 1"	complete
60.2/3884	chipped stone	"Inset blade, side blade, Type 1"	complete
60.2/3885	chipped stone	"Inset blade, side blade, Type 1"	incomplete
60.2/3886	chipped stone	"Inset blade, side blade, Type 1"	complete
60.2/3887	chipped stone	"Inset blade, side blade, Type 1"	complete
60.2/3888	chipped stone	inset blades, 5 fragments, probably side blades	incomplete
60.2/3889	modified faunal remains	"Harpoon head, rare form"; slot for end blade, transverse hole for line; barb carved w/ smaller barbs (Plate 37, Object 12)	complete

Catalog No.	Material Class	Description	Condition
60.2/3890	modified faunal remains	"Lance head, Type 2"; 2 alternating side slots (Plate 40, Object 12)	complete
60.2/3891	modified faunal remains	"Harpoon foreshaft, fragmentary"	incomplete
60.2/3892	modified faunal remains	"Mattock"; 2 hafting grooves around butt (Plate 44, Object 10)	incomplete
60.2/3893	modified faunal remains	"Shovel blade, Type 1"; scoop-like, w/ 3 perforations in body (Plate 45, Object 1)	incomplete
60.2/3894	chipped stone	"Side scraper, flint flake"; gray chert (Plate 46, Object 21)	complete
60.2/3895	chipped stone	"Side scraper, flint flake"; gray chert (Plate 46, Object 23)	complete
60.2/3896	chipped stone	"Side scraper, flint flake"; gray chert	complete
60.2/3897	ground stone	"Paint stone, red ochre"; fragment w/ 2 ground sides	incomplete
60.2/3898	modified faunal remains	"Openwork carving"; irregularly shaped object w/ 3 slots forming 3 rings (Plate 63, Object 16)	complete
60.2/3899	modified faunal remains	"Ornamental ivory carving"; animal motif w/ carved mouth & ears (w/ holes) & eye holes; end opposite mouth is forked	incomplete
60.2/3900	modified faunal remains	"Swivel head"; teardrop-shaped opening, end slot	incomplete
60.2/3901	modified faunal remains	"Ivory wedge or tool handle"; curved segment, ivory, 1 end sharpened to flat point	complete
60.2/3902	modified faunal remains	"Lance head, side slot"	incomplete
60.2/3903	modified faunal remains	"Ivory foreshaft?"	incomplete
60.2/3904	modified faunal remains	"Ivory implement, use uncertain, frag."	incomplete
60.2/3905	modified faunal remains	"Ivory implement, use uncertain, frag."	incomplete
60.2/3906	modified faunal remains	"Ivory implement, use uncertain, frag."	incomplete
60.2/3907	modified faunal remains	"Ivory implement, use uncertain, frag."	incomplete
60.2/3908	modified faunal remains	"Ivory implement, use uncertain, frag."	incomplete
60.2/3909	modified faunal remains	arrowhead fragment	incomplete
60.2/3910	modified faunal remains	arrowhead fragment	incomplete
60.2/3911	modified faunal remains	arrowhead fragment	incomplete
60.2/3912	modified faunal remains	arrowhead fragment	incomplete
60.2/3913	modified faunal remains	arrowhead fragment	incomplete
60.2/3914	modified faunal remains	arrowhead fragment	incomplete
60.2/3915	modified faunal remains	arrowhead fragment	incomplete
60.2/3916	modified faunal remains	arrowhead fragment	incomplete
60.2/3917	modified faunal remains	arrowhead fragment	incomplete
60.2/3918	unmodified faunal remains	bear claw	complete

Table 199.
Associated Funerary Objects from Burial 94, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/3948	modified faunal remains	"Arrowhead with end bladeand side barb"; 2 side barbs (Plate 33, Object 13)	complete
60.2/3949	modified faunal remains	"Arrowhead, flint end blade and barbs in opposite directions" (Plate 34, Object 9)	complete
60.2/3950	modified faunal remains	arrowhead w/ end slot & barb	complete
60.2/3951	modified faunal remains	arrowhead w/ end slot & 2 barbs	complete
60.2/3952	composite	arrowhead w/ end slot & side slot; broken end blade in place	complete
60.2/3953	modified faunal remains	arrowhead w/ end slot; grooved sides	complete
60.2/3954	modified faunal remains	arrowhead with end slot; shaft grooved but not slotted	complete
60.2/3955	modified faunal remains	arrowhead with end slot; sides grooved	complete
60.2/3956	modified faunal remains	"Arrowhead, with end slot"; side slots deeply grooved, shaft perforated	incomplete
60.2/3957	modified faunal remains	arrowhead w/ 2 side slots	complete
60.2/3958	modified faunal remains	"Arrowhead, fantastic form"; perforated slot & side slots (Plate 34, Object 11)	complete
60.2/3959	chipped stone	"[Side] Inset blade"	complete
60.2/3960	chipped stone	"Arrowpoint"	complete
60.2/3961	modified faunal remains	"Lance head, Type 1"; ivory shaft, oval cross section w/ perforated slot for hafting; sides grooved for side blades, faces incised w/ circles-trailing-lines motif (Plate 40, Object 2)	complete
60.2/3962	modified faunal remains	"Lance head, Type 1"; 2 staggered slots on each edge, perforated slit on base, ivory (Plate 40, Figure 8)	complete
60.2/3963	modified faunal remains	mislabeled as "60.2/3863 Lance head, one side blade"; 3 side slots, 1 side blade in place; perforated slot in tang, point area damaged	incomplete
60.2/3964	modified faunal remains	"Adze head"; socketed piece w/ hafting area, antler; adze blade missing	incomplete
60.2/3965	modified faunal remains	"Flint glaker [*sic*] handle, incised dec. Plate 43, fig.13, and drawing fig. 19"; flaker handle	complete
60.2/3966	chipped stone	"Drill, quadrangular blade"; tip broken (Plate 46, Object 18)	incomplete
60.2/3967	chipped stone	flake fragment, gray chert	complete
60.2/3968	modified faunal remains	"Ornamental band, perforated"; spatulate object w/ ring at 1 end; incised w/ comet-like circle-&-line engraving on blade (Plate 51, Object 11)	complete
60.2/3970	modified faunal remains	"Ornamental band, bird"; effigy, incised (Plate 51, Object 10)	complete, very good

Catalog No.	Material Class	Description	Condition
60.2/3971	modified faunal remains	"Openwork carving"; irregularly shaped link w/ stud at 1 end (Plate 59, Object 3)	complete
60.2/3972	modified faunal remains	"Openwork carving"; 2 openings at right angles, 1 aligns obliquely w/ opening in end of object (Plate 60, Object 2)	complete
60.2/3973	modified faunal remains	"Openwork carving, prob. knife handle"; cone shaped w/ spiral slot, ivory (Plate 67, Object 2)	complete (mended)
60.2/3974	modified faunal remains	"Openwork carving," ivory	complete
60.2/3975	modified faunal remains	openwork carving representing a bird head w/ ivory beak (Plate 69, Object 5)	complete
60.2/3976	modified faunal remains	"Openwork carving, animal"; possible bird-head motif	incomplete
60.2/3977	modified faunal remains	"Awl, one end like seal flipper"	complete
60.2/3978	modified faunal remains	lance point (?); carved bird head forms point, shaft is notched (Plate 73, Object 2)	incomplete
60.2/3979	modified faunal remains	"Carved ivory rod, Type 1"; curved rod w/ perforated slot near 1 end, other end pointed (Plate 74, Object 7)	complete (mended)
60.2/3980	modified faunal remains	"Spatula-like antler object"; fragment (Plate 76, Object 7)	incomplete
60.2/3981	modified faunal remains	"Bone, unworked, fragmentary	incomplete
60.2/3982	modified faunal remains	"Flaker point," antler	complete
60.2/3983	modified faunal remains	bone fragment	complete

Table 200.
Unassociated Funerary Objects from Burial 96, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/3984	modified faunal remains	"Arrowhead, barb and end slot"; 2 barbs, same side (Plate 33, Object 2)	complete
60.2/3985	modified faunal remains	"Arrowhead, brab [*sic*] and flint end blade" (Plate 33, Object 4)	complete
60.2/3986	modified faunal remains	"Arrowhead, side barbs and end slot"	complete
60.2/3987	modified faunal remains	"Arrowhead, side barbs and end slot"; 4 side barbs (Plate 33, Object 15)	complete
60.2/3988	modified faunal remains	"Arrowhead, side barbs and end slot"; 4 barbs each side (Plate 33, Object 10)	complete
60.2/3989	modified faunal remains	"Arrowhead, side barbs and end blade"; blade attached	complete
60.2/3990	modified faunal remains	"Arrowhead, side barbs and end blade"; 1 barb, blade in place (Plate 33, Object 16)	complete
60.2/3991	modified faunal remains	"Arrowhead, side barbs and end blade" (Plate 33, Object 18)	complete
60.2/3992	modified faunal remains	"Arrowhead, flint end blade, barbs in opposite directions"; no blade attached (Plate 34, Object 5)	complete

Catalog No.	Material Class	Description	Condition
60.2/3993	modified faunal remains	"Arrowhead, flint end blade, barbs in opposite directions"; no blade attached (Plate 34, Object 7)	complete
60.2/3994	composite	"Arrowhead, end blade, and side barbs" (Plate 34, Object 10)	incomplete
60.2/3995	modified faunal remains	arrowhead w/ end slot & 2 barbs	complete
60.2/3996	modified faunal remains	arrowhead w/ end slot & 2 alternating barbs	complete
60.2/3997	modified faunal remains	arrowhead w/ end slot & 3 alternating barbs	complete
60.2/3998	modified faunal remains	arrowhead w/ end slot & opposing barbs	complete
60.2/3999	modified faunal remains	arrowhead w/ end slot & alternating barbs	complete
60.2/4000	modified faunal remains	arrowhead w/ end slot & 1 barb	complete
60.2/4001	modified faunal remains	arrowhead w/ end slot & 5 side barbs	incomplete
60.2/4002	modified faunal remains	arrowhead fragment w/ end slot & 2 barbs	incomplete
60.2/4003	modified faunal remains	arrowhead fragment w/ barb	incomplete
60.2/4004	modified faunal remains	"Arrowhead, fantastic form"; triangular cross section, edges notched (Plate 34, Object 14)	complete
60.2/4005	modified faunal remains	"Arrowhead, fantastic form"; snake-like shape (Plate 34, Object 19)	complete
60.2/4006	modified faunal remains	"Arrowhead, fantastic form" (Plate 34, Object 20)	incomplete
60.2/4007	modified faunal remains	"Arrowhead, fantastic form"; end slot, slotted "barbs" (Plate 34, Object 21)	complete
60.2/4008	modified faunal remains	arrowhead w/ end slot (blade attached) & side grooves	complete
60.2/4009	modified faunal remains	arrowhead w/ end slot (blade fragment attached) & grooved sides	incomplete
60.2/4010	modified faunal remains	arrowhead w/ end slot (blade attached) & grooved sides	incomplete
60.2/4011	modified faunal remains	arrowhead fragment w/ end slot (blade attached) & barb	incomplete
60.2/4012	modified faunal remains	arrowhead fragment w/ end slot (blade attached) & barbs	incomplete
60.2/4013	modified faunal remains	arrowhead w/ end slot (blade fragment attached) & side slots	incomplete
60.2/4014	modified faunal remains	arrowhead w/ end slot & side grooves	complete
60.2/4015	modified faunal remains	arrowhead w/ end slot & side grooves	complete
60.2/4016	modified faunal remains	arrowhead w/ end slot & side grooves	complete
60.2/4017	modified faunal remains	arrowhead w/ end slot & side grooves	complete
60.2/4018	modified faunal remains	arrowhead w/ end slot & side grooves	incomplete
60.2/4019	modified faunal remains	arrowhead w/ end slot & 2 side slots	complete
60.2/4020	modified faunal remains	arrowhead w/ end slot & side grooves	complete
60.2/4021	modified faunal remains	arrowhead w/ end slot	incomplete
60.2/4022	modified faunal remains	arrowhead fragment w/ end slot	incomplete
60.2/4023	modified faunal remains	arrowhead fragment w/ side slots	incomplete

Catalog No.	Material Class	Description	Condition
60.2/4024	modified faunal remains	arrowhead fragment w/ end slot	incomplete
60.2/4026	modified faunal remains	arrowhead fragment w/ end slot & side grooves	incomplete
60.2/4027	modified faunal remains	arrowhead fragment w/ end slot & side grooves	incomplete
60.2/4028	modified faunal remains	arrowhead fragment w/ barb	incomplete
60.2/4029	modified faunal remains	arrowhead fragment	incomplete
60.2/4030	modified faunal remains	arrowhead fragment w/ barbs	incomplete
60.2/4031	modified faunal remains	arrowhead (?) fragment	incomplete
60.2/4032	modified faunal remains	arrowhead fragment w/ end slot	incomplete
60.2/4033	modified faunal remains	arrowhead fragment	incomplete
60.2/4034	modified faunal remains	arrowhead fragment	incomplete
60.2/4035	modified faunal remains	arrowhead fragment	incomplete
60.2/4036	modified faunal remains	arrowhead fragment	incomplete
60.2/4037	modified faunal remains	arrowhead fragment w/ end slot	incomplete
60.2/4038	modified faunal remains	arrowhead fragment w/ barb	incomplete
60.2/4039	modified faunal remains	arrowhead w/ 3 side slots	complete
60.2/4040	modified faunal remains	arrowhead fragment w/ side slot	incomplete
60.2/4041	chipped stone	"End blade" (Plate 35, Object 25)	complete
60.2/4042	chipped stone	"End blade, fragmentary"; base fragment (Plate 35, Object 37)	incomplete
60.2/4043	chipped stone	"End blade" (Plate 35, Object 39)	complete
60.2/4044	chipped stone	"End blade"	complete
60.2/4045	chipped stone	"End blade"	complete
60.2/4046	chipped stone	"End blade"	complete
60.2/4047	chipped stone	"End blade"	complete
60.2/4048	chipped stone	"End blade"	complete
60.2/4049	chipped stone	"End blade"	complete
60.2/4050	chipped stone	"End blade"	incomplete
60.2/4051	chipped stone	"End blade"	complete
60.2/4052	chipped stone	"End blade"	complete
60.2/4053	chipped stone	"End blade, fragmentary"; point fragment	incomplete
60.2/4054	chipped stone	"End blade, fragmentary"; base fragment	incomplete
60.2/4055	chipped stone	"End blade, fragmentary"; point fragment	incomplete
60.2/4056	chipped stone	"End blade, fragmentary"; base fragment	incomplete
60.2/4057	chipped stone	"End blade, fragmentary"; point fragment	incomplete
60.2/4058	chipped stone	"End blade, fragmentary"; base fragment	incomplete
60.2/4059	chipped stone	"Inset blade" (Plate 36, Object 33)	complete
60.2/4060	chipped stone	end blade inset	complete
60.2/4061	chipped stone	"Inset blade"	complete

Catalog No.	Material Class	Description	Condition
60.2/4062	chipped stone	"Inset blade"	complete
60.2/4063	chipped stone	"Inset blade"	complete
60.2/4064	chipped stone	"Inset blade"	complete
60.2/4065	chipped stone	"Inset blade"	incomplete
60.2/4066	chipped stone	"Inset blade"	complete
60.2/4067	chipped stone	"Inset blade, fragmentary"	incomplete
60.2/4068	chipped stone	"Inset blade, fragmentary"	incomplete
60.2/4069	modified faunal remains	"Lance head, Type 1"; shaft, ivory, oval cross section, sides slotted for blades (4 attached), faces incised w/ line-&-lozenge motif; tang perforated w/ slot (Plate 40, Object 7)	incomplete
60.2/4070	modified faunal remains	"Lance head, side slots"; perforated tang, 3 alternating side slots	incomplete
60.2/4071	modified faunal remains	"Unfinished harpoon head"; end slot for blade, transversely pierced for line	incomplete
60.2/4072	modified faunal remains	"Dagger or knife"; flat piece, ivory, w/ 2 side slots on each side, slot at base, & incised decorations (Plate 41, Object 10)	complete
60.2/4073	modified faunal remains	"Dagger or knife"; 1 end w/ ring & slot (Plate 41, Object 11)	complete
60.2/4074	modified faunal remains	"Awl," ivory (Plate 43, Object 6)	complete
60.2/4075	chipped stone	"Side blade for knife"; large semilunate biface (Plate 46, Object 6)	complete
60.2/4076	chipped stone	flake, retouched	complete
60.2/4077	chipped stone	5 unworked flakes, cataloged as 4077a–4077e	complete
60.2/4078	modified faunal remains	"Spatulate object"; 1 end exhibits raised rib (Plate 50, Object 8)	complete
60.2/4079	modified faunal remains	"Spatulate object, incised decoration"; comet-like circle-&-line engraving (Plate 50, Object 9)	complete
60.2/4080	modified faunal remains	"Spatulate object, incised decorations"; spatulate object w/ raised rib ending in projecting knob; lashing holes on rib; comet-like circle-&-line incising (Plate 50, Object 10)	complete
60.2/4081	modified faunal remains	"Spatulate object, incised decoration"; long triangular shape w/ raised rib that is perforated at 1 end (bow nock?)	complete
60.2/4082	modified faunal remains	"Ornamental band"; rib carved w/ scalloped edge, small knobs in scallops (Plate 51, Figure 1)	incomplete
60.2/4083	modified faunal remains	"Ornamental band"; curved, flattened, horn-shaped piece, ivory, w/ slot containing 3 perforations at narrow end (Plate 51, Object 4)	complete
60.2/4084	modified faunal remains	"Swivel, Type 2" (Plate 57, Object 2)	complete

Catalog No.	Material Class	Description	Condition
60.2/4085	modified faunal remains	"Swivel, Type 2" (Plate 57, Object 3)	complete
60.2/4086	modified faunal remains	spiral swivel, fragment	incomplete
60.2/4087	modified faunal remains	"Openwork carving"; teardrop shape w/ similar slot (Plate 59, Object 2)	complete
60.2/4088	modified faunal remains	"Openwork carving" (Plate 59, Object 4)	missing
60.2/4089	modified faunal remains	"Openwork carving" fragment, large cone-shaped spiral carving (Plate 60, Object 5)	incomplete
60.2/4090	modified faunal remains	"Openwork carving, Type 4"; spiral carving (Plate 62, Object 5)	complete
60.2/4090a	modified faunal remains	"Openwork carving missing"; cataloged as "60.2/4090a" & listed as missing; 1 end spatulate, other end pointed w/ spiral opening; incised w/ lines (Plate 61, Object 8)	incomplete
60.2/4091	modified faunal remains	"Openwork carving"; flattened, spiral, "corkscrew" shape (Plate 62, Object 9)	incomplete
60.2/4092	modified faunal remains	"Openwork carving, Type 5" (Plate 63, Object 2)	complete
60.2/4093	modified faunal remains	"Openwork carving jet inset, missing"; fragment of spiral carving w/ fish motif; carved mouth, jet inset (not missing) for eye; comet-like circle-&-line decoration on forehead & body	incomplete
60.2/4094	modified faunal remains	"Openwork carving, Type 10" ivory piece w/ point on 1 end; slanted, perforated slots ending in holes on 1 side; serrated edge on other side (Plate 64, Object 3)	incomplete
60.2/4094	modified faunal remains	"Openwork carving, Type 10"; swivel w/ perforation (Plate 64, Object 3)	complete
60.2/4095	modified faunal remains	"Openwork carving, Type 11"; ring w/ 2 flanking slots, asymmetrical, notched edge, finely carved & engraved (Plate 65, Object 1)	complete
60.2/4096	modified faunal remains	"Openwork carving, Type 15"; elongated cone shape w/ slot; frog-like face carved on 1 end, incised lines running length of object (Plate 68, Object 5)	complete
60.2/4097	modified faunal remains	"Openwork carving, Type 16, bird head"; long bird-beak carving w/ human face & hands forming a projecting stud & loops at the bird's neck (Plate 69, Object 2)	incomplete
60.2/4098	modified faunal remains	"Carving, part of mask?"; flat fragment w/ 1 scalloped edge & matching carved, raised rib	incomplete
60.2/4099	modified faunal remains	flat, carved piece w/ animal motif; slot for mouth; nostril and eye holes	incomplete
60.2/4100	modified faunal remains	"Openwork carving"; fragment w/ large triangular perforation	incomplete
60.2/4101	modified faunal remains	"Part of swivel, incised," w/ comet-like circle-&-line design	incomplete

Catalog No.	Material Class	Description	Condition
60.2/4102	modified faunal remains	"Ivory chain"; 7 links, 1 end flanged, other end pierced (Plate 70, Object 3)	complete
60.2/4103	modified faunal remains	"Slender ivory rod, possibly lance point"; split longitudinally for ½ length of mid-shaft, 1 end has fin shape with carving, opposite end is pointed; decorated w/ incised lines (Plate 73, Object 7)	complete
60.2/4104	ceramic	"Potsherd"	incomplete
60.2/4105	modified faunal remains	"Curved ivory rod"; 1 edge wavy, fork on 1 end, other end pointed; incised cross-in-circle & lines decoration	complete
60.2/4106	modified faunal remains	"Ivory rod"; fragment, forked at 1 end	incomplete
60.2/4107	modified faunal remains	"Fragment of ivory"; rod-like fragment	incomplete
60.2/4108	modified faunal remains	"Fragment of ivory"	incomplete
n/a	chipped stone	uncataloged artifact; end blade fragment labeled "B96"	incomplete

Table 201.
Unassociated Funerary Objects from Burial 97, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4109	modified faunal remains	"Arrowhead, with blade in end slot" (Plate 32, Object 13)	complete
60.2/4110	modified faunal remains	"Arrowhead, with blade in end slot" (Plate 32, Object 18)	complete
60.2/4111	composite	arrowhead w/ end blade	incomplete
60.2/4112	modified faunal remains	arrowhead w/ end slot & 2 side slots	complete
60.2/4113	modified faunal remains	arrowhead w/ end slot only	complete
60.2/4114	modified faunal remains	arrowhead w/ end slot & 1 side slot	complete
60.2/4115	modified faunal remains	arrowhead w/ end slot only	complete
60.2/4116	modified faunal remains	arrowhead w/ end slot only	complete
60.2/4117	modified faunal remains	arrowhead w/ end slot	incomplete
60.2/4118	modified faunal remains	arrowhead w/ end slot only	incomplete
60.2/4119	modified faunal remains	arrowhead fragment w/ end slot	incomplete
60.2/4120	modified faunal remains	"Arrowhead with end slot, and barbs"; 4 barbs (Plate 33, Object 12)	incomplete
60.2/4121	composite	arrowhead w/ end slot & 1 barb	complete
60.2/4122	modified faunal remains	arrowhead, long, barbed	incomplete
60.2/4123	composite	arrowhead w/ end slot & 1 barb	complete
60.2/4124	modified faunal remains	"Arrowhead facing barbs and end blade" (Plate 34, Object 6)	complete
60.2/4125	composite	arrowhead w/ end blade, 3 barbs	complete
60.2/4126	composite	arrowhead w/ end blade, 2 barbs	incomplete
60.2/4127	composite	arrowhead w/ end blade, 2 barbs	complete

Catalog No.	Material Class	Description	Condition
60.2/4128	composite	arrowhead w/ end blade, 4 barbs	incomplete
60.2/4129	modified faunal remains	arrowhead w/ end slot, 2 barbs	incomplete
60.2/4130	composite	arrowhead w/ end blade	incomplete
60.2/4131	composite	arrowhead w/ end blade, barbed	incomplete
60.2/4132	modified faunal remains	arrowhead w/ end slot & 2 opposed barbs	incomplete
60.2/4133	modified faunal remains	"Arrowhead, with end blade and side slots" (Plate 34, Object 4)	complete
60.2/4134	modified faunal remains	arrowhead fragment	incomplete
60.2/4135	modified faunal remains	arrowhead fragment	incomplete
60.2/4136	modified faunal remains	arrowhead fragment	incomplete
60.2/4137	modified faunal remains	arrowhead fragment	incomplete
60.2/4138	modified faunal remains	arrowhead fragment	incomplete
60.2/4139	modified faunal remains	"Arrowhead, fantastic form, barbed"; blunt head (Plate 34, Object 13)	complete
60.2/4140	modified faunal remains	"Arrowhead, fantastic form, with end blade"; forked base (Plate 34, Object 17)	incomplete
60.2/4141	modified faunal remains	arrowhead w/ end slot & 1 side slot	complete
60.2/4142	modified faunal remains	arrowhead w/ side slot	incomplete
60.2/4143	composite	arrowhead w/ side slot & 1 barb	complete
60.2/4144	chipped stone	end blade	complete
60.2/4145	chipped stone	end blade	complete
60.2/4146	chipped stone	end blade	complete
60.2/4147	chipped stone	end blade	complete
60.2/4149	chipped stone	end blade	incomplete
60.2/4150	chipped stone	end blade	incomplete
60.2/4151	chipped stone	end blade	incomplete
60.2/4152	chipped stone	end blade	incomplete
60.2/4153	chipped stone	end blade	incomplete
60.2/4154	chipped stone	"Inset side blade, chipped on both faces" (Plate 36, Object 4)	complete
60.2/4155	chipped stone	"Inset side blade, chipped on both faces" (Plate 36, Object 5)	complete
60.2/4156	chipped stone	"Inset blade, side, chipped onboth faces" (Plate 36, Object 27)	complete
60.2/4157	chipped stone	"Inset side blade, chipped onboth faces" (Plate 36, Object 35)	complete
60.2/4158	chipped stone	side inset blade	complete
60.2/4159	chipped stone	side inset blade	complete
60.2/4160	chipped stone	side inset blade	complete

Catalog No.	Material Class	Description	Condition
60.2/4161	chipped stone	side inset blade	complete
60.2/4162	chipped stone	side inset blade	complete
60.2/4163	chipped stone	side inset blade	incomplete
60.2/4164	chipped stone	side inset blade	complete
60.2/4165	chipped stone	side inset blade	incomplete
60.2/4166	chipped stone	side inset blade (Plate 36, Object 41)	
60.2/4167	chipped stone	side inset blade	complete
60.2/4168	modified faunal remains	"Lance head with side slots" (Plate 36, Object 41)	
60.2/4169	modified faunal remains	"Lance head, with one inset blade"	complete
60.2/4170	modified faunal remains	"Lance head, or dagger" (Plate 41, Object 2)	incomplete
60.2/4171	modified faunal remains	"Lance head, or dagger"	complete
60.2/4172	modified faunal remains	"Dagger or knife"; bird-head motif w/ slot for inset blade, ring at "beak" (Plate 41, Object 9)	incomplete
60.2/4173	chipped stone	"Graver, chipped on both sides" (Plate 46, Object 30)	complete
60.2/4174	chipped stone	"Retouched flake"; large flake, brown chert	complete
60.2/4175	chipped stone	"Flaker, chipped on both sides"	complete
60.2/4176	chipped stone	12 unworked, flakes, flint, labeled a–l	complete
60.2/4177	modified faunal remains	"Swivel, Type 4"; conical, spiral carving with "ears" at 1 end; spirals incised w/ cross-in-circle decoration & lines (Plate 58, Object 10)	complete
60.2/4179	modified faunal remains	"Openworked [*sic*] carving"; spiral, link-like object (Plate 60, Object 3)	incomplete
60.2/4180	modified faunal remains	carving, ivory, open spiral form; 1 end in form of bird head, other end carved w/ extending lip & 2 "eye" holes (Plate 61, Object 5)	complete
60.2/4181	modified faunal remains	"Openworked [*sic*] carving"; cone-shaped, spiral-slot carving w/ incised decorations (Plate 62, Object 7)	incomplete
60.2/4182	modified faunal remains	"Flat strip of ivory, two prongs"; prongs at right angle to strip; small perforation at 1 end of strip, other end broken off (Plate 75, Object 9)	incomplete
60.2/4183	modified faunal remains	"Curved piece of ivory, one end looped"; 1 end is a long, narrow shoehorn shape, the opposite end has a spiral loop; an annular loop is located at the middle of the object; ivory (Plate 76, Object 9)	complete
60.2/4184	chipped stone	"Lancepoint, slate," w/ retracting stem	complete
60.2/4185	modified faunal remains	4185a–4185d, 4 pieces, thin whalebone	incomplete
60.2/4216	composite	arrowhead w/ end blade, 2 barbs	complete

Table 202.
Unassociated Funerary Objects from Burial 100, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4186	modified faunal remains	"Arrowhead, with end slot"	complete
60.2/4187	chipped stone	end blade for arrow	complete
60.2/4188	chipped stone	"Inset blade, fragmentary"; end blade fragment	incomplete
60.2/4189	chipped stone	end blade fragment	incomplete
60.2/4190	modified faunal remains	"Lance head, 4 inset side blades" (Plate 40, Object 3)	incomplete
60.2/4191	chipped stone	"Inset blade, fragmentary"	incomplete
60.2/4192	chipped stone	"Inset blade, fragmentary"; laurelate biface	complete
60.2/4193	chipped stone	"Inset blade, fragmentary"	incomplete
60.2/4194	chipped stone	"Inset blade, fragmentary"	incomplete
60.2/4195	chipped stone	"Inset blade, fragmentary"	incomplete
60.2/4196	chipped stone	"Inset blade, fragmentary"	incomplete
60.2/4197	chipped stone	"Inset blade, fragmentary"	incomplete
60.2/4198	chipped stone	"Inset blade, fragmentary"; large, bifacially worked fragment	incomplete
60.2/4199	chipped stone	"Side scraper"; lunate-edged, unifacially worked flake	complete
60.2/4200	chipped stone	"Spatula shaped scraper" (Plate 46, Object 31)	
60.2/4201	chipped stone	"Retouched flakes"; 2 flakes cataloged as 4201a–4201b	complete
60.2/4202	ground stone	whetstone (Plate 47, Object 1)	incomplete, mended
60.2/4203	ground stone	whetstone fragment	incomplete
60.2/4204	modified faunal remains	"Part of bird arrowhead?"; cylinder w/ opening at 1 end (Plate 42, Object 9)	complete
60.2/4205	modified faunal remains	"Animal carving"; long, flat carving w/ broken loop at 1 end; symmetrically flanking the "spine" are 4 pairs of loops (Plate 53, Object 6)	incomplete
60.2/4206	modified faunal remains	"Openwork carving, like chain link" (Plate 66, Object 8)	complete
60.2/4207	modified faunal remains	"Openwork carving, like chain link"	incomplete
60.2/4208	modified faunal remains	"Openwork carving, like chain link"; fragment	incomplete
60.2/4209	modified faunal remains	"Openwork carving, like chain link"; shoehorn shape w/ oblate perforation in wide end	complete
60.2/4210	modified faunal remains	"Openwork carving, like 3 links of chain"; 1 end link has swivel opening (Plate 71, Object 6)	complete
60.2/4211	modified faunal remains	"Fragments of ivory"; 3 pieces cataloged as 4211a–4211c	incomplete
60.2/4212	modified faunal remains	"Ornamental carving"; fragment of link w/ hole & slot	incomplete
60.2/4213	modified faunal remains	bird bone	incomplete
60.2/4214	modified faunal remains	"Worked ivory"; badly deteriorated rod, ivory, possible arrowhead	incomplete

Catalog No.	Material Class	Description	Condition
60.2/4215	modified faunal remains	"Worked ivory," unknown function	incomplete

Table 203.
Unassociated Funerary Object from Burial 139, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4411	modified faunal remains	"Bodkin" w/ wedge-shaped head (Plate 92, Object 14)	complete

Table 204.
Unassociated Funerary Objects from Burial 253 (Tigara), Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4460	ground stone	knife, slate, broken & reworked	complete
60.2/4461	modified faunal remains	harpoon head, ivory (Plate 88, Object 2)	incomplete
60.2/4462	modified faunal remains	harpoon head, ivory (Plate 88, Object 3)	incomplete
60.2/4463	modified faunal remains	harpoon head, ivory (Plate 88, Object 4)	incomplete
60.2/4464	modified faunal remains	harpoon head, ivory (Plate 88, Object 5)	incomplete
60.2/4465	modified faunal remains	arrowhead, barbed, tanged, antler (Plate 88, Object 6)	complete
60.2/4466	unmodified faunal remains	rodent-tooth fragment	incomplete
60.2/4467	ground stone	ulu (?) blade, slate (Plate 88, Object 15)	incomplete
60.2/4468	ground stone	knife blade, slate (Plate 88, Object 16)	missing
60.2/4469	unmodified faunal remains	animal-rib fragment	incomplete
60.2/4470	unmodified faunal remains	4470a–4470c: rodent-tooth fragments	incomplete

Table 205.
Unassociated Funerary Objects from Burial 305, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4483	modified faunal remains	"Root pick," ivory (Plate 89, Object 28)	missing
60.2/4484	composite	"Bag handle" (Plate 92, Object 23)	missing
60.2/4485	composite	spoon, wood, very poor condition; 2 bone faces & bone figure mounted on handle (Plate 92, Object 24)	incomplete

Table 206.
Unassociated Funerary Objects from Burial 333 (Tigara), Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8837	unmodified stone	8837a–8837f, "Paintstone pieces, red (6)"	complete
60.1/8852F	ceramic	3 potsherds	incomplete

Table 207.
Unassociated Funerary Objects from Burial 317, Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8852B	ceramic	3 potsherds (in Cabinet 314, Tray 8)	incomplete
60.1/8859	modified faunal remains	"99.1/555 Bone bow (?) ends, probably handles"; 2 flat segments, bone, w/ 2 symmetrical notches at rounded end; short piece: 10.0 x 2.7 cm; cataloged as 8859a–8859b	incomplete

Table 208.
Unassociated Funerary Objects from Burial 362 (Tigara), Point Hope

Catalog No.	Material Class	Description	Condition
60.1/8841	ground stone	"Arrowpoint or knife?"; blade, slate	incomplete
60.1/8852Q	ceramic	6 potsherds, labeled "99.1/556"	incomplete

Table 209.
Unassociated Funerary Objects from Rack Burial 440, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4437	ground stone	blade, slate, broken in 2 places & mended; catalog number & burial number do not correspond	incomplete
60.2/4547	modified faunal remains	scraper, antler	complete

Table 210.
Unassociated Funerary Objects from Rack Burial 442 (Tigara), Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4502	ground stone	ulu blade, slate (Plate 93, Object 17)	incomplete
60.2/4503	chipped stone	scraper, chert (Plate 93, Object 22)	incomplete
60.2/4549	chipped stone	projectile point, chert, broken	incomplete
60.2/4550	chipped stone	projectile point, chert, broken	incomplete
60.2/4551	chipped stone	projectile point, chert, broken	incomplete

Table 211.
Unassociated Funerary Objects from Burial 443 (Tigara), Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4504	modified faunal remains	"Bow bracer," antler (Plate 93, Object 8)	complete
60.2/4552	ground stone	ulu blade fragment (?), slate	incomplete

Table 212.
Unassociated Funerary Objects from Burial 517 (Tigara), Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4509	modified faunal remains	ferrule-like piece w/ slot for lashing (Plate 89, Object 17)	complete
60.2/4510	chipped stone	projectile point, mended (Plate 90, Object 1)	incomplete

Catalog No.	Material Class	Description	Condition
60.2/4511	chipped stone	projectile point/knife (Plate 90, Object 2)	incomplete
60.2/4512	chipped stone	projectile point/knife (Plate 90, Object 3)	complete
60.2/4513	chipped stone	projectile point, mended (Plate 90, Object 5)	complete
60.2/4514	chipped stone	projectile point, tip broken, 3 pieces mended	incomplete
60.2/4515	chipped stone	projectile point, tip broken, 4 pieces mended	incomplete
60.2/4516	chipped stone	projectile-point stem	incomplete
60.2/4517	chipped stone	projectile point (Plate 90, Object 6)	complete
60.2/4518	chipped stone	projectile point (Plate 90, Object 7)	incomplete
60.2/4519	chipped stone	large projectile point/knife (Plate 90, Object 8)	complete
60.2/4520	chipped stone	projectile point, tip broken, 5 pieces mended	incomplete
60.2/4521	chipped stone	projectile-point stem	incomplete
60.2/4522	chipped stone	4522a–4522b, projectile-point stem, 2 pieces	incomplete
60.2/4523	chipped stone	4523a–4523c, blade fragments	incomplete
60.2/4524	chipped stone	bifacially worked stone, 2 pieces	complete
60.2/4525	chipped stone	flake, chert, in 3 pieces (Plate 90, Object 12)	complete
60.2/4526	chipped stone	4526a–4526b: 2 flakes (Plate 90, Figure 23)	complete
60.2/4527	ground stone	slate blade, Two pieces, mended (Plate 90, Figure 21)	incomplete
60.2/4528	ground stone	slate projectile point/knife	complete
60.2/4529	ground stone	slate projectile point/knife fragment	incomplete
60.2/4530	ground stone	slate projectile point/knife fragment	incomplete
60.2/4531	ground stone	slate projectile point/knife fragment	incomplete
60.2/4532	ground stone	slate projectile point/knife fragment	incomplete
60.2/4533	ground stone	slate projectile point/knife fragment	incomplete
60.2/4534	ground stone	slate projectile point/knife (Plate 90, Object 15)	incomplete
60.2/4535	ground stone	ulu blade, slate	complete
60.2/4536	ground stone	4536a–4536b, ulu blade in 2 pieces	complete
60.2/4537	ground stone	4537a–4537e, partially worked slate, 5 pieces	complete
60.2/4538	ground stone	4538a–4538c, blade fragments, slate	incomplete
60.2/4539	unmodified stone	4539a–4539c, unworked slate, 3 pieces	complete
60.2/4540	ground stone	whetstone; irregular, hexagonal cross section (Plate 90, Object 18)	complete
60.2/4541	ground stone	4541a–4541c: whetstone fragments	incomplete
60.2/4542	unmodified stone	whetstone raw material	complete
60.2/4543	unmodified stone	4543a–4543b: slate raw material, 2 pieces	complete
60.2/4544	unmodified stone	fragment, slate	incomplete
60.2/4545	modified faunal remains	bola weight, antler, charred fragment	incomplete
60.2/4546	modified faunal remains	worked bone, function unknown	incomplete
60.2/4836	ground stone	ulu-blade fragment w/ 2 holes	incomplete

Table 213.
Unassociated Funerary Objects from Jabbertown Burial 4, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4324	modified faunal remains	"Arrowhead, fantastic form"; barbed arrowhead w/ loop point (Plate 34, Object 18)	incomplete
60.2/4325	modified faunal remains	"Arrowhead, fragmentary"	incomplete
60.2/4326	chipped stone	"Inset blade"; side inset blade	complete
60.2/4327	chipped stone	"Inset blade"	complete
60.2/4328	chipped stone	"Inset blade, fragmentary"; side blade inset fragment	incomplete
60.2/4329	modified faunal remains	"Swivel, open type" (Plate 56, Object 2)	missing
60.2/4330	modified faunal remains	"Openwork carving"; flat oval w/ symmetrical openings (Plate 64, Object 5)	complete
60.2/4331	modified faunal remains	"Ornamental linked object"; openwork carving of 2 links, 1 link has stylized bird-head carving (Plate 72, Object 3)	complete
60.2/4332	modified faunal remains	"Openwork carving"	complete
60.2/4333	modified faunal remains	"Ornamental carving, fragmentary"; fragment of cage-like, looped carving	incomplete
60.2/4334	modified faunal remains	"Openwork carving, fragmentary"; fragment of flanged chain link	incomplete
60.2/4335	modified faunal remains	"Fragment of carving"; flat piece, ivory	incomplete
60.2/4336	modified faunal remains	"Fragments of ivory, use uncertain"; 4 flat pieces, ivory, cataloged as 4336a–4336d	incomplete
60.2/4821	modified faunal remains	"Arrow with end slot, fragmentary"	incomplete

Table 214.
Unassociated Funerary Objects from Pingu Rack Burial, Point Hope

Catalog No.	Material Class	Description	Condition
60.2/4646	modified faunal remains	"Arrowhead, antler" (Plate 94, Object 1)	complete
60.2/4647	modified faunal remains	"Arrowhead, antler, fragmentary"	incomplete
60.2/4648	modified faunal remains	"Arrowhead, antler, broken point" (Figure 52 & Plate 94, Object 2)	incomplete
60.2/4649	modified faunal remains	"Arrowhead, antler, broken point"	incomplete
60.2/4650	modified faunal remains	"Arrowhead, antler, broken point"; single barb, pointed tang	incomplete
60.2/4651	modified faunal remains	"Arrowhead, antler, broken tip"	incomplete
60.2/4652	modified faunal remains	"Arrowhead, antler, broken point"	incomplete
60.2/4653	modified faunal remains	"Arrowhead, antler, broken point"	incomplete
60.2/4654	modified faunal remains	"Arrowhead, antler, broken point"	incomplete
60.2/4655	modified faunal remains	"Arrowhead, antler, broken point"	incomplete
60.2/4656	modified faunal remains	"Arrowhead, antler, broken point"	incomplete

Catalog No.	Material Class	Description	Condition
60.2/4657	modified faunal remains	"Arrowhead, antler, broken point"	incomplete
60.2/4658	modified faunal remains	"Arrowhead, antler, broken point"	incomplete
60.2/4659	modified faunal remains	"Arrowhead, antler, broken point"	incomplete
60.2/4660	modified faunal remains	"Arrowhead, antler, broken point"	incomplete
60.2/4661	modified faunal remains	"Arrowhead, antler, fragmentary"	incomplete
60.2/4662	modified faunal remains	"Arrowhead, antler, broken point"	incomplete
60.2/4663	modified faunal remains	"Arrowhead, antler, small" (Plate 94, Object 3)	complete
60.2/4664	chipped stone	"Flint arrowpoint, tanged"; tip damaged (Plate 94, Object 4)	incomplete
60.2/4665	chipped stone	"Flint arrowhead, tanged" (Plate 94, Object 5)	complete
60.2/4666	chipped stone	"Flint arrowpoint, fragmentary"; basal fragment	incomplete
60.2/4667	chipped stone	"Flint arrowpoint, fragmentary"; base missing	incomplete
60.2/4668	chipped stone	"Fragment of arrowpoint"; base missing	incomplete
60.2/4669	chipped stone	"Flint side scraper" (Plate 94, Object 14)	complete
60.2/4670	chipped stone	"Flint lance point"; tip broken (Plate 94, Object 6)	incomplete
60.2/4671	modified faunal remains	"Ivory finger rest for whaling harpoon shaft" (Plate 94, Object 17)	complete
60.2/4672	modified faunal remains	"Ivory finger rest for whaling harpoon shaft" (Plate 94, Object 7)	complete
60.2/4673	modified faunal remains	"Harpoon foreshaft, ivory" (Plate 94, Object 8)	complete
60.2/4674	modified faunal remains	"Foreshaft for whaling harpoon" (Plate 94, Object 18)	complete
60.2/4675	modified faunal remains	whaling-harpoon head (Plate 94, Object 16)	complete
60.2/4676	modified faunal remains	"Harpoon ice pick, ivory"; spatulate point w/ roughened tang (Plate 94, Object 9)	incomplete (mended)
60.2/4677	modified faunal remains	"Bone implement, use uncertain"; shaped like a letter opener (Plate 94, Object 11)	complete
60.2/4678	modified faunal remains	"Handle for blubber hood shaft"; L-shaped piece, antler, w/ 2 holes pierced at each end (Plate 94, Object 12)	complete
60.2/4679	modified faunal remains	"Blubber hook, bone" (Plate 94, Object 13)	complete
60.2/4680	modified faunal remains	drinking tube, bird bone (Plate 94, Object 15)	complete
60.2/4681	modified faunal remains	"Cleat for drum rim, ivory" (Plate 94, Object 10)	incomplete
60.2/4682	modified faunal remains	"Worked antler, implement, triangular cross section"; both ends pointed	complete
60.2/4683	unmodified stone	"Small stone ball"	complete
60.2/4685	botanical	"Fragments of wood"; 1 fragment present	incomplete

APPENDIX 5

Inventory of NAGPRA Materials at the Haffenreffer Museum of Anthropology, Bristol, Rhode Island

Inventories of NAGPRA materials were conducted at the Haffenreffer during April–May 1996. Results of the inventory are provided below. Tables list the funerary objects. The columns are arranged as follows: catalog number, material class, artifact description, and condition. The fifth column (when present) provides plate numbers for artifacts illustrated in Giddings and Anderson (1986; see Appendix 6). Burial numbers that include "CK" indicate that the burial is from Cape Krusenstern, whereas "BR" designates burials from the Battle Rock site; both are located in Alaska. Literature derived from the permitted activities is included in Appendix 6.

Cape Krusenstern (NOA 002), Northwest Arctic Borough

Accession and catalog numbers have not been assigned unless otherwise indicated.

Geographic location: Cape Krusenstern is located on the northern edge of the mouth of Kotzebue Sound in northwestern Alaska.

Collection history: J. Louis Giddings first worked on Cape Krusenstern in 1958. He continued to work on the cape during 1959–1961. Each field season's collection was then taken to the Haffenreffer. However, most of the artifacts and faunal remains from the 1959 season were lost at sea when the barge carrying them overturned and sank.

Cultural affiliation: The Cape Krusenstern burials are attributed to the following archeological periods by Giddings and Anderson (1986). Burials 1–3 and 8–13 and the remains from Houses 30 and 37 are assigned to the Ipiutak period. Burials 4–6 and 14–16 are assigned to the Northern Maritime period. The remaining burials were not attributed to any temporal period. Giddings and Anderson attribute all of the remains to Eskimo ancestors.

Burial No. CK-1a (Table 215)

•Adult, probable male
Complete cranium; incomplete right scapula; complete left and incomplete right humeri; incomplete right innominate; complete left and right femurs; incomplete right tibia.
Comments: A distal fragment of a dog humerus was stored with these remains.

Burial No. CK-1b (see Table 215)

•Adult, probable female
Incomplete mandible (edentulous).

Table 215.
Associated Funerary Objects from Burial CK-1, Accession No. 62

Catalog No.	Material Class	Description	Condition
2653	chipped stone	arrowhead, end blade inset, chert (Plate 84)	incomplete
2654	chipped stone	arrowhead, end blade inset, chert (Plate 84)	complete
2655	chipped stone	arrowhead, end blade inset, chert (Plate 84)	complete
2656	chipped stone	arrowhead, end blade inset, chert (Plate 84)	complete
2657	chipped stone	weapon, side blade inset, chert (Plate 84)	complete
2658	chipped stone	arrowhead, end blade inset, chert (Plate 84)	complete
2659	chipped stone	arrowhead, end blade inset, chert (Plate 84)	complete
2660	chipped stone	arrowhead, end blade inset, chert (Plate 84)	complete
2661	chipped stone	arrowhead, end blade inset, chert (Plate 84)	complete
2662	chipped stone	arrowhead, end blade inset, chert (Plate 84)	complete
2663	chipped stone	arrowhead, end blade inset, fragment, chert (Plate 84)	incomplete
2664	chipped stone	arrowhead, end blade inset, chert (Plate 84)	complete
2665	chipped stone	weapon, side blade inset, fragment, chert (Plate 84)	incomplete
2666	chipped stone	weapon, side blade inset, fragment, chert (Plate 84)	incomplete
2667	chipped stone	arrowhead, end blade inset, chert (Plate 84)	complete
2668	chipped stone	arrowhead, end blade inset, chert (Plate 84)	complete
2669	chipped stone	weapon, side blade inset, fragment, chert (Plate 84)	incomplete
2670	chipped stone	arrowhead, end blade inset, chert (Plate 84)	complete
2671	chipped stone	arrowhead, end blade inset, chert (Plate 84)	complete
2672	chipped stone	end/side blade inset, chert (Plate 84)	complete
2673	chipped stone	arrowhead, end blade inset, chert (Plate 84)	complete
2674	chipped stone	arrowhead, end blade inset, chert (Plate 84)	complete
2675	chipped stone	arrowhead, end blade inset, chert (Plate 84)	complete
2676	chipped stone	weapon, side blade inset, chert (Plate 84)	complete
2677	chipped stone	arrowhead, end blade inset, chert (Plate 84)	complete
2678	chipped stone	weapon, side blade inset, chert (Plate 84)	complete
2679	chipped stone	weapon, side blade inset, chert (Plate 84)	complete
2680	chipped stone	weapon, side blade inset, fragment, chert (Plate 84)	incomplete
2681	chipped stone	weapon, side blade inset, fragment, chert (Plate 84)	incomplete
2682	chipped stone	utilized flake/side scraper, chert (Plate 84)	complete
2683	ground stone	labret, bitumen (Plate 84)	incomplete
2684	ground stone	pendant, pear-shaped, sandstone (Plate 84)	complete

Catalog No.	Material Class	Description	Condition
2685	modified faunal remains	piercer, split bone (Plate 84)	complete
2686	modified faunal remains	rod, ivory (Plate 84)	complete
2687	modified faunal remains	handle, carved, ivory, with animal motif (Plate 84, mislabeled on plate as "61-2634")	complete
2688	chipped stone	arrowhead, end blade inset, chert (Plate 84)	complete

Burial No. CK-2

•Adult, probably female
Complete cranium; complete mandible; 16 loose teeth; 7 vertebrae; incomplete left innominate; complete left and right femurs; incomplete left and right tibiae.
Comments: This burial was excavated as Feature 371 on Beach 46 at Cape Krusenstern. No funerary objects were found with the burial.

Burial No. CK-3

•Adult, probable male
Complete cranium; complete mandible; 28 intact teeth; 24 vertebrae; 17 ribs/rib fragments; incomplete sacrum (poorly preserved); incomplete left scapula; incomplete left and right clavicles; complete left and right humeri; complete left ulna; complete left and incomplete right radii; 2 metacarpals; incomplete left and right innominates; complete left and incomplete right femurs; incomplete left and right tibiae; incomplete left and right fibulae; 11 carpals/tarsals.
Comments: This burial was excavated near House 30 on Beach 35 at Cape Krusenstern. No funerary objects were excavated with the burial. A note with the remains indicates that a rib was removed for destructive trace-element analysis in 1982.

Burial No. CK-4

•Adult, probable female
Complete cranium; complete mandible; 23 intact and 2 loose teeth; 24 vertebrae; incomplete sacrum; incomplete left and right scapulae; complete left and incomplete right clavicles; 19 ribs/rib fragments; complete left and right humeri; incomplete left and right ulnae; incomplete left and right radii; 3 carpals; 6 metacarpals; incomplete left and right innominates; complete left and right femurs; complete left and right tibiae; incomplete left and right fibulae; 4 tarsals; 5 phalanges.
Comments: This burial was excavated in 1960 on or near Beach 20 of Cape Krusenstern by J. Louis Giddings. Burial 4 is attributed to the Northern Maritime period. A note with the remains indicates that a rib was removed for destructive trace-element analysis in 1982.

Burial No. CK-5

•Subadult, sex undetermined
Incomplete cranium; incomplete mandible; 17 intact and 16 loose teeth; 6 vertebrae; ribs/rib fragments; incomplete; unsided femur; 1 carpal.
Comments: This burial was excavated in 1960 on or near Beach 20 of Cape Krusenstern by J. Louis Giddings. One piece of fibrous; botanical material is stored with the remains.

Burial No. CK-6

•Infant; sex undetermined
Incomplete cranium (in soil matrix); 5 loose teeth (deciduous).
Comments: This burial was excavated in 1960 on or near Beach 20 of Cape Krusenstern by J. Louis Giddings. Included with the remains is a piece of fibrous; botanical material.

Burial No. CK-7

•Probable adult; sex undetermined
1 atlas (first cervical vertebra).
Comments: According to the report; no Burial 7 was excavated. However; the remains were stored in a container labeled as such. Stored with the remains were 3 stone flakes and botanical material.

Burial No. CK-8 (Table 216)

•Commingled remains of at least 2 individuals: adult, male; adult, female
Incomplete cranium; complete mandible; 3 intact and 23 loose teeth; 18 vertebrae; sacrum (includes fragments from 2 individuals); incomplete left and right scapulae; complete left and right clavicles; 3 rib fragments; complete left and incomplete right (2 present) humeri; incomplete right ulnae; incomplete right radius; 7 carpals; incomplete left (2 present) and right innominates; incomplete left and right femurs; complete left (2 present) and right patellae; incomplete left and right tibias; incomplete, unsided tibia; incomplete left and right fibulae; 8 tarsals (including 2 right calcaneus); 12 metacarpals/metatarsals.

•Adult, sex undetermined
Incomplete mandible; 2 intact teeth.

Comments: This burial was excavated near House 30 on Beach 35 of Cape Krusenstern by J. Louis Giddings. No funerary objects were found with these individuals. A note with the remains indicates that a rib fragment was removed for destructive trace-element analysis in 1982 by Melissa Connor of the University of Wisconsin, Madison.

Burial No. CK-8/2 (see Table 216)

•Adult, probable male
Incomplete cranium; incomplete mandible; 6 intact teeth; complete left and right femurs; complete left and incomplete right tibias; incomplete left and right fibulae.
Comments: This burial was excavated near House 30 on Beach 35 of Cape Krusenstern by J. Louis Giddings. Stored in a container labeled "B-8/2," the bones are labeled "CK B-8." However; the long bones were wrapped in paper labeled "B-8/2." Presumably, the cranial and postcranial elements are from the same individual.

Table 216.
Associated Funerary Objects from Burial CK-8, Accession No. 62

Catalog No.	Material Class	Description	Condition
2636	chipped stone	flakes, lot of 49, unmodified chert	complete

Burial No. CK-9

•Adult, probable female
Incomplete cranium; 1 intact tooth; 16 vertebrae; incomplete sacrum; incomplete sternum; incomplete left and right scapulae; complete left and incomplete right clavicles; 10 ribs/rib fragments; complete left and right humeri; incomplete left and right radii; incomplete left and complete right innominates; incomplete right femur; complete left and right patellae; complete left and right tibias; 4 tarsals; 1 metacarpal; 3 phalanges.
Comments: This burial was excavated near House 30 on Beach 35 of Cape Krusenstern.

Burial No. CK-10 (Tables 217 and 218)

•Subadult/adult, probable female
Incomplete cranium; incomplete mandible; 4 loose teeth; 8 vertebrae.
Comments: This burial was excavated near House 30 on Beach 35 of Cape Krusenstern.

Table 217.
Associated Funerary Object from Burial CK-10, Accession No. 60

Catalog No.	Material Class	Description	Condition
5509	faunal remains	bag containing "Skin sample" from B-10; matted organic fibers	n/a

Table 218.
Associated Funerary Objects from Burial CK-10, Accession No. 62

Catalog No.	Material Class	Description	Condition
2610	chipped stone	side scraper, worked, convex	complete
2611	chipped stone	side scraper, convex, dark gray chert	complete
2612	chipped stone	flake, gray chert	complete
2613	chipped stone	polished gray chert	complete
2614	faunal remains	61-2614–61-2617; caribou-bone fragments	incomplete
2618-2623	composite	8 bow fragments, wood & horn, including Cat. Nos. 62-2618–62-2623	incomplete
2624	modified faunal remains	carving, whale & seal head, ivory	incomplete
2625	modified faunal remains	harpoon head	complete

Burial No. CK-11

•Adult, female
Incomplete cranium; complete mandible; 4 intact and 28 loose teeth; 21 vertebrae; incomplete sacrum; incomplete left and right scapulae; complete left and right clavicles; 20 ribs/rib fragments; incomplete left and right humeri; ulna/radius mid-shaft fragments; incomplete left and right innominates; complete left and right femurs; complete left patella; complete left and right tibias; incomplete left and right fibulae; 4 tarsals.
Comments: This burial was excavated near House 30 on Beach 35 of Cape Krusenstern. A note with the remains indicates that a rib was removed for destructive trace-element analysis in 1982 by Melissa Connor of the University of Wisconsin, Madison.

Burial No. CK-12 (Table 219)

•Adult, male
Incomplete cranium; complete mandible; 1 loose tooth; 19 vertebrae; incomplete sacrum; incomplete sternum; incomplete, unsided scapula; 5 ribs/rib fragment; incomplete left and right ulnae; incomplete, unsided innominate; incomplete left and right femurs; incomplete left and right tibias; incomplete, unsided fibula; 1 metatarsal.
Comments: This burial was excavated near House 30 on Beach 35 of Cape Krusenstern. "Ipiutak-like" flaked-stone artifacts were recovered from the burial, which was part of the group of 7 burials on Beach 35. Stored with the remains is matted vegetation. In general; the remains were poorly preserved (Simmons 1985:358). A note with the remains indicates that a rib was removed for destructive trace-element analysis in 1982 by Melissa Connor of the University of Wisconsin, Madison.

Table 219.
Associated Funerary Objects from Burial CK-12, Accession No. 62

Catalog No.	Material Class	Description	Condition
2646	chipped stone	discoidal scraper, chert	complete
2647	chipped stone	flake tool, chert	complete
2648	chipped stone	projectile point, chert	complete
2649	chipped stone	projectile point, chert	complete
2650	chipped stone	projectile-point fragment, chert	incomplete
2651	chipped stone	flake tool, chert	complete
2652	chipped stone	flakes/shatter, lot of 167 chert fragments	complete
5493	chipped stone	projectile point fragment, chert	incomplete
n/a	chipped stone	flake tool, chert	complete

Burial No. CK-13 (Table 220)

•Adult, sex undetermined
Incomplete cranium; incomplete mandible; 6 intact teeth.
Comments: This burial was excavated near House 30 on Beach 35 of Cape Krusenstern. The mandible is clearly labeled "CK B-13." However; the cranium was in a tray labeled "Iyatayet"; but with a loose tag indicating it is from Cape Krusenstern Burial CK-13. Twenty-three animal bones and teeth are stored with these remains.

Table 220.
Associated Funerary Objects from Burial CK-13, Accession No. 62

Catalog No.	Material Class	Description	Condition
2626	modified faunal remains	bone, carved, unknown function	incomplete
2627	modified faunal remains	carving, fish, lure (?), antler	incomplete
2629	chipped stone	biface, ovoid, green-gray chert	complete
2630	chipped stone	biface, large retracting stem, cryptocrystalline stone	complete
2631	chipped stone	projectile point, tanged, translucent	complete
2632	chipped stone	biface fragment, chert	incomplete
2634	chipped stone	flake, unifacially worked, red-brown chert	complete

Catalog No.	Material Class	Description	Condition
2635	modified faunal remains	carving, fragment, ivory (from Beach 10)	incomplete
2638	chipped stone	knife blade, gray slate	complete
2639	chipped stone	flake, gray chert	complete
2640	chipped stone	biface, asymmetrically worked, red-brown chert	complete
2641	chipped stone	tool, unifacially worked flake, stone, cortical	complete
2642	chipped stone	discoidal, bifacially worked black chert	complete
2643	chipped stone	flake, gray chert	complete
2644	chipped stone	flake, reworked (?) chert	complete
2645	chipped stone	flakes, lot of 57, unmodified, labeled "B13"	complete

Burial No. CK-14

•Adult, probable female
Incomplete cranium; complete mandible; 21 vertebrae; incomplete sacrum; incomplete left and right scapulae; incomplete right clavicle; 14 ribs/rib fragments; incomplete left and right humeri; incomplete left and right ulnae; incomplete left radius; incomplete left and right innominates; incomplete left and right femurs; incomplete right patella; incomplete left and right tibias; incomplete left and right fibulae; 7 tarsals.
Comments: This burial was excavated by J. Louis Giddings on a beach formed by the merging of Beaches 29 and 32 of Cape Krusenstern. One piece of faunal bone was included with the human remains. A note with the remains indicates that four rib fragments were removed for destructive trace-element analysis in 1982 by Melissa Connor of the University of Wisconsin, Madison.

Burial No. CK-15

•Subadult, sex undetermined
Complete cranium; complete mandible; 13 loose teeth; 11 cervical-vertebrae fragments; incomplete left and right humeri; incomplete left ulna.
Comments: This burial was excavated by J. Louis Giddings on a beach formed by the merging of Beaches 29 and 32 of Cape Krusenstern. The human remains were stored with a whale rib.

Burial No. CK-16

•Subadult/adult, female
Incomplete sacrum; 15 loose teeth; 14 vertebrae; incomplete left and right scapulae; complete left and incomplete right clavicles; 26 ribs/rib fragments; incomplete left and complete right humeri; incomplete left and right ulnae; incomplete left and right radii; 5 carpals; incomplete left and right innominates; incomplete left and right femurs; incomplete left and right tibias; incomplete left and right fibulae; 3 tarsals; 11 metacarpal/metatarsal fragments; 12 phalanges.
Comments: This burial was excavated on a beach formed by the merging of Beaches 29 and 32 of Cape Krusenstern. Cultural affiliation was attributed to the Birnirk–Western Thule Northern Maritime period.

Burial No. CK H-6

•Adult, sex undetermined
Incomplete cranium.
Comments: This partial cranium was labeled "CK H-6"; it is presumably from House 6 at Cape Krusenstern. House 6 was excavated in 1961.

Accession No. 60, Catalog No. 2274, Burial No. CK H-7

•Adult, possible male
Complete mandible; 10 intact teeth.
Comments: Labeled "CK H-7," these remains are presumably from House 7 at Cape Krusenstern. House 7 was excavated in 1959. It is unknown whether this mandible is from the same individual as the remains cataloged as 60-2275.

Accession No. 60, Catalog No. 2275, Burial No. CK H-7

•Adult, sex undetermined
Complete right tibia.
Comments: These remains, labeled "CK H-7," are presumably from House 7 at Cape Krusenstern. House 7 was excavated in 1959. It is unknown whether this mandible is from the same individual as the remains cataloged as 60-2274.

Burial No. CK H-8

•Commingled remains of 2 adults, probable males
Incomplete cranium (maxilla fragment); 2 complete mandibles; 8 intact and 6 loose teeth; incomplete left scapula; incomplete left clavicle; 18 ribs/rib fragments; incomplete left and right humeri; complete left and incomplete right ulnae; incomplete left and right radii; 1 incomplete left and 2 incomplete right innominates; complete left and right femurs; complete left patella; 1 complete and 1 incomplete left and 2 incomplete right tibias; 2 incomplete left, 1 incomplete right, and 1 incomplete, unsided fibulae.
Comments: These remains, labeled "CK H-8," are presumably from House 8 at Cape Krusenstern. House 8 was excavated in 1960.

House 30, Skeleton 1

•Adult, probable male
Incomplete right humerus; 10 vertebral fragments; incomplete right ulna; incomplete left radius; incomplete right innominate; incomplete right femur; incomplete, unsided fibula; 1 tarsal.
Comments: House 30, located on Beach 35 of Cape Krusenstern, was excavated in 1960. The remains from House 30 do not represent intentional burials; the individuals appear to have died in the fire that destroyed the house.

House 30, Skeleton 2

•Subadult, sex undetermined
Complete cranium; 9 loose teeth (6 deciduous and 3 permanent); 16 vertebra; complete sacrum; incomplete left and right scapulae; complete right clavicle; 13 ribs/rib fragments; complete left and right humeri; complete left and right

ulnae; incomplete right radius; incomplete left and right innominates; complete left and right femurs; incomplete left and right patellae; complete left and right tibias; complete left and right fibulae; 4 tarsals; 13 metacarpals/metatarsals/phalanges.
Comments: House 30, located on beach 35 of Cape Krusenstern, was excavated in 1960. The remains from House 30 do not represent intentional burials. The individuals appear to have died in the fire that destroyed the house.

House 30, Skeleton 3

•Subadult, sex undetermined
Incomplete cranium; complete mandible; 13 intact and 6 loose teeth (deciduous); 14 vertebrae fragments; incomplete right scapula; incomplete right clavicle; 22 ribs/rib fragments; complete right humerus; incomplete right ulna; incomplete right radius; incomplete left and complete right innominates; complete left tibia; incomplete left fibula; 7 tarsals; 12 metatarsals/phalanges.
Comments: House 30, located on beach 35 of Cape Krusenstern, was excavated in 1960. The remains from House 30 do not represent intentional burials. The individuals appear to have died in the fire that destroyed the house. One animal bone is stored with the human remains.

House 37, Skeletons 1–3 (Table 221)

•Commingled remains of 3 individuals
Elements that could be attributed to specific individuals are listed below.
Skeleton 1: frontal and parietal fragments; left malar; incomplete mandible.
Skeleton 2: parietal fragments; sphenoid; 9 loose teeth; incomplete mandible.
Skeleton 3: occipital fragments; incomplete mandible.
The following elements could not be attributed to a specific individual.
Frontal fragment; left parietal; petrous portions (1 right, 2 left, 1 unsided); maxilla fragment; left ulna; left radius; distal ulna epiphysis; 7 loose teeth in vial labeled "sk 1 & 2"; 7 loose teeth.
Comments: House 37, located on Beach 35 of Cape Krusenstern, was excavated in 1960. Four animal bones are stored with the human remains.

Table 221.
Associated Funerary Objects from House 37, Accession No. 61

Catalog No.	Material Class	Description	Condition
5503	chipped stone	weapon, side blade inset, chert (Plate 77)	complete
5540	chipped stone	side scraper, chert (Plate 77)	complete
5547	chipped stone	knife side blade, broad, semilunar, chert (Plate 77)	complete
5549	chipped stone	knife, side-blade fragment, chert (Plate 77)	incomplete
5551	chipped stone	discoidal scraper, chert (Plate 77)	complete
5553	chipped stone	knife side blade, broad, semilunar, chert (Plate 77)	complete
5554	chipped stone	knife side blade, chert (Plate 77)	complete
5555	chipped stone	hand drill, chert (Plate 77)	complete
5556	chipped stone	flake knife, uniface, concave edge, chert (Plate 77)	complete
5558	chipped stone	knife side blade, chert (Plate 77)	complete
5559	chipped stone	knife side blade, fragment, chert (Plate 77)	incomplete
5564	chipped stone	weapon, side blade inset, chert (Plate 77)	complete

Catalog No.	Material Class	Description	Condition
5565	chipped stone	weapon, side blade inset, chert (Plate 77)	complete
5567	chipped stone	arrowhead end blade inset, chert (Plate 77)	complete
5567a	chipped stone	knife side blade, chert (Plate 77)	complete

Accession No. 59, Catalog No. 444

•Adult, probable female
Incomplete cranium.
Comments: This partial cranium was surface collected at Cape Krusenstern in 1958.

Battle Rock Site (NOA 082; Ochrorurok)

Geographic location: Near Cape Krusenstern, Northwest Arctic Borough, Alaska.

Collection history: James Louis Giddings excavated the Battle Rock site during summer 1960.
The artifacts and human remains excavated were shipped to the Haffenreffer Museum, where they are currently stored. The remains, except where indicated, have not been accessioned or cataloged.

Cultural affiliation: Giddings and Anderson (1986:147–149, 189) attribute the burials at Battle Rock to the Battle Rock phase of the Norton–Near Ipiutak period (Burial 4), the Ipiutak period (Features 1–5; see unassociated funerary objects at end of this appendix), and the Western Thule period (Burials 1–3), all of which are stated to be ancestral Eskimo/Inupiat.

Burial No. BR-1

•Adult, female
Incomplete cranium; 14 loose teeth; 24 vertebrae; incomplete sternum; complete left and right scapulae; 19 ribs/rib fragments; complete left and right humeri; complete left and right ulnae; complete left and right radii; complete left and right innominates; complete left and right femurs; complete left patella; complete left and incomplete right tibiae; complete left fibula; 9 carpals; 2 metacarpals; 4 tarsals; 9 metatarsals; 14 phalanges.
Comments: A note with these remains indicates that one rib was removed for destructive trace-element analysis by Melissa Connor of the University of Wisconsin, Madison, in 1982. Six animal bones are stored with the human remains, as are two stones that do not appear to be culturally modified.

Burial No. Unknown

•Probable adult, sex undetermined
Complete left radius.
Comments: This unlabeled left radius was packed with the remains from Burial BR 1. Presumably; it is from one of the Battle Rock burials.

Burial No. BR-2

•Adult, probable male
Complete cranium; complete mandible; 12 intact and 10 loose teeth; 16 vertebrae; 27 ribs/rib fragments; complete left and right clavicles; complete left and right humeri; complete left and right ulnae; complete left radius; complete left and right femurs; incomplete left tibia; complete left fibula; 3 tarsals; 5 metatarsals; 1 phalange.
Comments: Two animal bones are stored with the human remains. The scapulae were stored in the same container as BR-1. A note with the remains indicates that one rib was removed for destructive trace-element analysis by Melissa Connor of the University of Wisconsin, Madison, in 1982.

Accession No. 61, Catalog No. 3538, Burial No. F3 (Feature 3; Table 222)

•Probable adult, sex undetermined
Incomplete unsided ulna.
Comments: This ulna was cataloged as a "Human tibia fragment"; "fragment" is crossed out and "bone" is written in pencil above. The fragment is located in Drawer 147.

Table 222.
Associated Funerary Objects from Feature 3, Accession No. 61, Battle Rock

Catalog No.	Material Class	Description	Condition
3503	chipped stone	end blade inset, chert	complete
3504	chipped stone	end blade inset, chert	complete
3505	chipped stone	end blade inset, basal fragment, chert	incomplete
3506	chipped stone	side blade inset, chert (Plate 87)	complete
3507	chipped stone	side blade inset, chert (Plate 87)	complete
3508	chipped stone	end blade inset, chert	complete
3509	chipped stone	end blade inset, basal fragment, chert (Plate 87)	incomplete
3510	chipped stone	end blade inset, chert (Plate 87)	complete
3511	chipped stone	end blade inset, distal fragment, chert	incomplete
3512	chipped stone	end blade inset, chert (Plate 87)	complete
3513	chipped stone	side blade inset, black chert (Plate 87)	complete
3514	chipped stone	end blade inset, black chert	complete
3515	chipped stone	flake, chert	complete
3516	chipped stone	flake, chert	complete
3517	chipped stone	flake, chert	complete
3518	chipped stone	flake, chert	complete
3519	chipped stone	flake, chert	complete
3520	ground stone	plummet, fragment, schist (Plate 87)	incomplete
3521	modified faunal remains	arrowhead, end-bladed, barbed, antler (Plate 87)	complete
3522	modified faunal remains	arrowhead, end-bladed, antler (Plate 87)	complete
3523	modified faunal remains	arrowhead, end-bladed, antler (Plate 87)	complete
3524	modified faunal remains	arrowhead, side-bladed, antler (Plate 87)	complete

Catalog No.	Material Class	Description	Condition
3525	modified faunal remains	arrowhead fragment, antler	incomplete
3526	modified faunal remains	arrowhead fragment, antler	incomplete
3527	modified faunal remains	arrowhead fragment, antler	incomplete
3528	modified faunal remains	arrowhead fragment, antler	incomplete
3529	unmodified faunal remains	animal-bone fragment	incomplete
3530	modified faunal remains	arrowhead fragment, antler	incomplete
3531	unmodified faunal remains	animal-bone fragment	incomplete
3532	modified faunal remains	arrowhead fragment, antler	incomplete
3533	modified faunal remains	shaft fragment, ivory (Plate 87)	incomplete
3534	modified faunal remains	spoon-like object, function unknown, ivory (Plate 87)	incomplete
3535	modified faunal remains	fish-spear barb, antler (Plate 87)	complete
3536	modified faunal remains	flaker handle, antler (Plate 87)	complete
3537	modified faunal remains	fish-spear center prong, antler (Plate 87)	complete
3538	unmodified faunal remains	long-bone fragment, animal	incomplete
3539	unmodified faunal remains	animal-bone fragment	incomplete
3540	unmodified faunal remains	animal-bone fragment	incomplete
3541	unmodified faunal remains	animal-bone fragment	incomplete
3541	unmodified faunal remains	rib fragment, animal	incomplete
3542	unmodified faunal remains	animal-bone fragment	incomplete
3543	unmodified faunal remains	animal-bone fragment	incomplete
3544	unmodified faunal remains	tarsal, animal	incomplete
3545	unmodified faunal remains	animal-bone fragment	incomplete
3546	unmodified faunal remains	animal-bone fragment	incomplete
3548	unmodified faunal remains	scapula fragment, animal	incomplete
3549	unmodified faunal remains	long-bone fragment, animal	incomplete

Burial No. BR-3

•Adult, sex undetermined
Complete mandible; 3 loose teeth; 16 vertebrae; incomplete left and complete right scapulae; complete left clavicle; 23 ribs; complete left and right humeri; complete left and right ulnae; complete right radius; complete left innominate; incomplete left and right femurs; complete right patella; complete right tibia; complete right fibula; 13 carpals; 4 tarsals; 2 metacarpals; 8 metatarsals; 12 phalanges.
Comments: One animal tooth, probably a polar-bear canine, is stored with these human remains. A note with the remains indicates that one rib was removed for destructive trace-element analysis by Melissa Connor of the University of Wisconsin, Madison, in 1982.

Burial No. BR-4 (Table 223)

•Commingled remains of a minimum of 5 individuals: 3 adults (2 females, 1 sex undetermined), 1 subadult (3–6 years), 1 infant
3 loose teeth; 36 vertebrae; 3 incomplete right scapulae (adult/subadult); 2 complete left, 1 complete right, and 2 incomplete, unsided humeri; 2 incomplete left and 2 complete and 2 incomplete right ulnae; 3 complete left, 1 complete and 2 incomplete right, and 1 incomplete, unsided (subadult) radii; 1 complete and 1 incomplete right innominates; 1 complete and 1 incomplete sacrum; 1 complete and 1 incomplete left and 1 complete and 1 incomplete right femurs; 2 complete left and 2 complete right patellae; 1 complete and 1 incomplete left and 2 complete right tibiae; 3 complete, unsided fibulae; 7 unidentified infant long-bone fragments; 12 carpals; 12 tarsals; 11 metacarpals; 24 metatarsals; 25 phalanges.
Comments: A note with the remains indicates that one rib was removed for destructive trace-element analysis by Melissa Connor of the University of Wisconsin, Madison, in 1982. Two tooth fragments from BR-4 are cataloged as 61-3327 and 61-3328. One animal tooth, possibly bear, and two stone flakes are stored with the human remains.

Table 223.
Associated Funerary Objects from Burial No. BR-4, Accession No. 61

Catalog No.	Material Class	Description	Condition
3048	modified faunal remains	arrowhead, Type 3, no insets (Plate 103)	complete
3051	modified faunal remains	prong for fish/bird spear, no insets, antler (Plate 103)	complete
3066	modified faunal remains	arrowhead, Type 2, no insets (Plate 103)	complete
3079	modified faunal remains	arrowhead, Type 2, no insets (Plate 103)	complete
3081	modified faunal remains	arrowhead, Type 4; chert side blade fragment illustrated in Plate 103 is missing	complete
3083	modified faunal remains	prong for fish/bird spear, no insets, antler (Plate 103)	complete
3102	modified faunal remains	arrowhead, Type 1 (Plate 103)	complete
3106	modified faunal remains	arrowhead, Type 1, no insets; Plate 103 gives catalog no. as "3120"	complete
3129	modified faunal remains	arrowhead, Type 1 (Plate 103)	complete
3132	modified faunal remains	arrowhead, Type 1, no insets (Plate 103)	complete
3149	modified faunal remains	arrowhead, Type 1, no insets (Plate 103)	complete
3175	modified faunal remains	flaker tip, antler (Plate 105)	complete
3176	modified faunal remains	arrowhead, Type 1 (Plate 103)	complete
3177	composite	arrowhead, Type 1, with chert end blade fragment in place (Plate 103)	complete
3201	modified faunal remains	projectile head, Type 2, thick, antler (Plate 104)	complete
3204	modified faunal remains	projectile head, Type 2, thick, antler (Plate 104)	complete
3205	modified faunal remains	projectile head, Type 2, thick, antler (Plate 104)	Missing
3207	modified faunal remains	arrowhead, Type 5, antler (Plate 104)	complete
3208	modified faunal remains	arrowhead, Type 5, antler (Plate 104)	complete
3209	modified faunal remains	projectile head, Type 1, thick, antler (Plate 104)	complete
3212	modified faunal remains	projectile head, Type 3, thick, antler (Plate 104)	complete
3213	modified faunal remains	projectile head, Type 3, thick, antler (Plate 104)	missing

Catalog No.	Material Class	Description	Condition
3214	modified faunal remains	projectile head, Type 3, thick, antler (Plate 104)	complete
3215	modified faunal remains	projectile head, Type 3, thick, antler (Plate 104)	complete
3217	modified faunal remains	projectile head, Type 3, thick, antler (Plate 104)	complete
3218	modified faunal remains	projectile head, Type 3, thick, antler (Plate 104)	complete
3219	modified faunal remains	projectile head, Type 3, thick, antler (Plate 104)	complete
3220	modified faunal remains	projectile head, Type 3, thick, distal end incomplete, antler (Plate 104)	incomplete
3222	modified faunal remains	projectile head, Type 3, thick, 1 prong broken, antler (Plate 104)	incomplete
3223	modified faunal remains	projectile head, Type 3, thick, antler (Plate 104)	complete
3231	modified faunal remains	handle fragment, antler (Plate 105)	incomplete
3236	modified faunal remains	flaker tip, antler (Plate 105)	incomplete
3279	modified faunal remains	spatulate object, antler (Plate 105)	incomplete
3286	modified faunal remains	spatulate object, antler (Plate 105)	complete
3303	modified faunal remains	burial mask, fragment, engraved, antler (Plate 107)	incomplete
3303	modified faunal remains	engraved object, unknown function, antler (Plate 107)	complete
3304	modified faunal remains	burial mask, fragment, engraved, antler (Plate 107)	incomplete
3305	modified faunal remains	two-hand-scraper fragment, bone (Plate 105)	incomplete
3306	modified faunal remains	engraved object, unknown function, antler (Plate 107)	complete
3307	modified faunal remains	burial mask, fragment, engraved, antler (Plate 107)	incomplete
3309	modified faunal remains	burial mask, fragment; tines are Catalog Nos. 61-3315 & 61-3323 (Plate 107)	incomplete
3311	modified faunal remains	flaker handle, antler (Plate 105)	incomplete
3312	modified faunal remains	fish-spear side prong, antler (Plate 105)	complete
3313	modified faunal remains	pick/marlinespike, walrus bone (Plate 105)	complete
3316	modified faunal remains	awl/pin, bone (Plate 105)	complete
3317	modified faunal remains	fish-spear barb, antler (Plate 105)	complete
3325	modified faunal remains	ice pick (?), spatulate object, antler (Plate 105)	complete
3329	ground stone	whetstone, shale, fragmented (Plate 105)	complete
3330	ground stone	splitting-adze head, limestone (Plate 105)	complete
3340	ceramic	potsherd, exterior, not labeled with catalog no. (Plate 105)	incomplete
3341	chipped stone	end blade inset, basal fragment, chert (Plate 106)	incomplete
3342	chipped stone	end blade inset, basal fragment, chert (Plate 106)	incomplete
3343	chipped stone	end blade inset, basal fragment, chert (Plate 106)	incomplete
3344	chipped stone	end blade inset, basal fragment, chert (Plate 106)	incomplete
3346	chipped stone	end blade inset, basal fragment, chert (Plate 106)	incomplete
3348	chipped stone	end blade inset, basal fragment, chert (Plate 106)	incomplete

Catalog No.	Material Class	Description	Condition
3349	chipped stone	end blade inset, fragment, chert (Plate 106)	incomplete
3350	chipped stone	end blade inset, basal fragment, chert; caption mislabeled as "61-3378" (Plate 106)	incomplete
3354	chipped stone	end blade inset, fragment, chert (Plate 106)	incomplete
3359	chipped stone	end blade inset, basal fragment, chert (Plate 106)	incomplete
3366	chipped stone	side blade inset, fragment, chert (Plate 106)	incomplete
3367	chipped stone	side blade inset, portion of base missing, chalcedony (Plate 106)	incomplete
3368	chipped stone	side blade inset, fragment, chert (Plate 106)	incomplete
3369	chipped stone	side blade inset, fragment, chert (Plate 106)	incomplete
3370	chipped stone	side blade inset, fragment, chert (Plate 106)	incomplete
3373	chipped stone	end blade inset, tip damaged, black chert (Plate 106)	complete
3374	chipped stone	end blade inset, basal fragment, chert (Plate 106)	incomplete
3375	chipped stone	side blade inset, fragment, chert (Plate 106)	incomplete
3376	chipped stone	end blade inset, fragment, black chert (Plate 106)	incomplete
3377	chipped stone	end blade inset, fragment, chalcedony (Plate 106)	incomplete
3378	chipped stone	end blade inset, basal fragment, chert (Plate 106; caption mislabeled as 3350	incomplete
3381	chipped stone	end blade inset, basal fragment, chert (Plate 106)	incomplete
3382	chipped stone	end blade inset, basal fragment, chert (Plate 106)	incomplete
3386	chipped stone	end blade inset, distal fragment, chert (Plate 106)	incomplete
3388	chipped stone	end blade inset, basal fragment, chert (Plate 106)	incomplete
3389	chipped stone	end blade inset, fragment, chert (Plate 106)	incomplete
3390	chipped stone	end blade inset, fragment, chert (burinated) (Plate 106)	incomplete
3392	chipped stone	side blade inset, fragment, black chert (Plate 106)	incomplete
3395	chipped stone	side blade inset, fragment, chert (Plate 106)	incomplete
3397	chipped stone	end blade inset, basal fragment, black chert (Plate 106)	incomplete

Site Name and No. Unknown, Possibly Battle Rock

No Accession or Catalog No.

• Adult, male

Incomplete cranium; 1 tooth fragment; 7 vertebrae; complete left clavicle; complete right humerus; complete left and right radii; 1 carpal; 1 metacarpal; complete left innominate; incomplete left femur; complete right patella; incomplete right tibia; incomplete left and right fibulae; 4 tarsals; 4 metatarsals.

Comments: These remains were in a box labeled "From Box C." The provenience of the remains is unknown. However; a note by Douglas Anderson, included with the remains, states that the remains are believed to be from the Battle Rock site. Ten animal bones are stored with the human remains.

Human Remains from Miscellaneous Sites in Alaska

Choris Peninsula (SLK 007)

Geographic location: Kotzebue Sound; northwest Alaska

Collection history: It is unknown in which year the remains were collected. However; J. L. Giddings made collections on the Choris Peninsula in 1956 and 1958. A note with the remains indicates that the mandible fragment was a surface find.

Cultural affiliation: The remains are attributed to the Choris culture (1250–550 B.C.) and date to the sixth through eighth centuries B.C. (Giddings and Anderson 1986:187).

No Accession or Catalog No.
•Adult, probable male
Incomplete mandible; 3 intact teeth.

Ambler River, Alaska

Collection history: This cranium was collected by Clifford Hickey in 1965 during a survey of the Kobuk River drainage. The exact location of the site from which the cranium was recovered is unknown. However, a note with the remains indicates they were collected on the Ambler River, near Ambler; Alaska. Faunal remains, predominantly caribou, were recovered near these remains.

Cultural affiliation: Unknown

No Accession or Catalog No.
•Adult, probable female
Complete cranium; 3 intact teeth.

Site Unknown

Collection history: unknown (Although the provenience of this cranium is unknown, it probably came from Cape Krusenstern, Battle Rock, or the Seward Peninsula, Alaska.)

Cultural affiliation: unknown

No Accession or Catalog No. (Temporary No. BLM-2)
•Adult, sex undetermined
Incomplete cranium (occipital and left petrous portions)

Site Unknown

Collection history: unknown (Although the provenience of this cranium is unknown, it probably came from Cape Krusenstern, Battle Rock, or the Seward Peninsula, Alaska.)

Cultural affiliation: unknown

No Accession or Catalog No. (Temporary No. BLM-4)
•Adult, sex undetermined
Incomplete cranium (occipital, left parietal, and frontal).

Site Unknown

Collection history: unknown (Although the provenience of this cranium is unknown, it probably came from Cape Krusenstern, Battle Rock, or the Seward Peninsula, Alaska.)

Cultural affiliation: unknown

No Accession or Catalog No. (Temporary No. BLM-5)
•Adult, sex undetermined
Incomplete cranium (occipital and right petrous portion).

Site Unknown

Collection history: unknown (Although the provenience of this cranium is unknown, it probably came from Cape Krusenstern, Battle Rock, or the Seward Peninsula, Alaska.)

Cultural affiliation: unknown

No Accession or Catalog No. (Temporary No. BLM-6)
•Adult, sex undetermined
Incomplete adult cranium (occipital, parietals, and frontal fragments).

Site Unknown

Collection history: unknown (Although the provenience of this cranium is unknown, it probably came from Cape Krusenstern, Battle Rock, or the Seward Peninsula, Alaska.)

Cultural affiliation: unknown

No Accession or Catalog No.
•Commingled remains of 2 individuals: probable adults, sex undetermined
Incomplete sacrum; 3 vertebrae fragments; complete right patella; 6 tarsals (including 2 right calcaneus); 10 miscellaneous, unidentified bone fragments.
Comments: The provenience of these remains is unknown. They were contained in a bag labeled "from Box B." Included with the remains are 2 faunal bones and bird (blue jay?) feathers.

Site Unknown, Possibly Iyatayet

Geographic location: unknown (possibly Iyatayet, located on the north side of Cape Denbigh off Norton Bay, Alaska)

Collection history: unknown (The provenience of these remains is uncertain. However, they were contained in a paper tray labeled, "Iyatayet, Norton Levels prob. Norton age.")

Cultural affiliation: unknown

No Accession or Catalog No.
•Adult, probable male
Incomplete cranium; frontal; parietals (left incomplete); occipital squamous.

Site Unknown, Possibly Onion Portage, Alaska

Geographic location: Onion Portage is located on the Kobuk River, central Alaska.

Collection history: unknown (The provenience of these remains is unknown. They were wrapped in paper labeled, "Skull location unknown probable OP." The "OP" would refer to the Onion Portage site.)

No Accession or Catalog No. (Assigned BLM-OP1)
•Adult, sex undetermined
Incomplete cranium (maxilla and portions of the parietals, temporal, and occipital are missing).

Site Unknown, Possibly Onion Portage, Alaska

Geographic location: Onion Portage is located on the Kobuk River, central Alaska.

Collection history: unknown (A note accompanying the remains states, "Skull-apparently OP-1966." The "OP" would refer to the Onion Portage site.)

No Accession or Catalog No. (Assigned BLM-OP2)
•Adult, sex undetermined
Incomplete cranium and mandible (parietal, occipital, frontal, and petrous portions); 5 intact and 9 loose teeth (mandibular).

Unassociated Funerary Objects at the Museum

The Battle Rock site was excavated by J. Louis Giddings and Douglas Anderson during 1960. In addition to the burials reported above, five features were excavated that were judged to be surface burials in which the remains had completely decayed. As such, the artifacts from these features are subject to the definition of "unassociated funerary objects" and the requirement for inventory and reporting under Section 6 of NAGPRA. The inventory of the artifacts from these features follows (Tables 224–227).

Table 224.
Unassociated Funerary Objects from Feature 1, Accession No. 61, Battle Rock

Catalog No.	Material Class	Description	Condition
3400	modified faunal remains	object, function unknown, antler (Plate 85)	incomplete
3401	modified faunal remains	pin fragment, antler	incomplete
3402	modified faunal remains	pin fragment, antler	incomplete
3403	modified faunal remains	arrowhead, end-bladed, antler (Plate 85)	incomplete
3404	modified faunal remains	pin fragment, antler	incomplete

Catalog No.	Material Class	Description	Condition
3405	modified faunal remains	arrowhead, end-bladed, antler (Plate 85)	incomplete
3406	modified faunal remains	arrowhead, end-bladed, antler (Plate 85)	incomplete
3407	modified faunal remains	pin, antler	incomplete
3408	modified faunal remains	arrowhead, end-bladed, antler (Plate 85)	incomplete
3409	modified faunal remains	arrowhead, side-bladed, antler (Plate 85)	incomplete
3410	modified faunal remains	object, fragment, antler, unknown function	incomplete
3411	modified faunal remains	arrowhead, side-bladed, antler (Plate 85)	incomplete
3412	modified faunal remains	pin fragment, antler	incomplete
3413	modified faunal remains	arrowhead, side-bladed, antler (Plate 85)	incomplete
3414	modified faunal remains	arrowhead, end-bladed, antler (Plate 85)	incomplete
3416	modified faunal remains	object fragment, antler, unknown function	incomplete
3417	modified faunal remains	object fragment, antler, unknown function	incomplete
3418	modified faunal remains	object fragment, antler, unknown function	incomplete
3419	modified faunal remains	object fragment, antler, unknown function	incomplete
3420	modified faunal remains	object fragment, antler, unknown function	incomplete
3421	modified faunal remains	object fragment, antler, unknown function	incomplete
3422	modified faunal remains	object fragment, antler, unknown function	incomplete
3423	modified faunal remains	object fragment, antler, unknown function	incomplete
3424	chipped stone	end blade inset, basal fragment	incomplete
3425	chipped stone	end blade inset, chert (Plate 85)	complete
3426	chipped stone	end blade inset, chert (Plate 85)	complete
3427	chipped stone	end blade inset, red jasper (Plate 85)	complete
3428	chipped stone	end blade inset, chert (Plate 85)	complete
3429	chipped stone	end blade inset, chert (Plate 85)	complete
3430	chipped stone	end blade inset, red jasper (Plate 85)	complete
3431	chipped stone	side blade inset, chert (Plate 85)	complete
3432	chipped stone	side blade inset, chert (Plate 85)	complete
3433	chipped stone	side blade inset, chert (Plate 85)	complete
3434	chipped stone	end blade inset, distal fragment	incomplete
3434	chipped stone	side-blade inset, chert (Plate 85).	complete
3435	chipped stone	end blade inset, unidentified fragment	incomplete
3436	chipped stone	side blade inset, chert (Plate 85)	complete
3437	chipped stone	side blade inset, chert (Plate 85)	complete
3438	chipped stone	end blade inset, distal fragment	incomplete
3440	chipped stone	end blade inset, distal fragment	incomplete
3441	chipped stone	end blade inset, distal fragment	incomplete
3442	chipped stone	end blade inset, distal fragment	incomplete

Table 225.
Unassociated Funerary Objects from Feature 2, Accession No. 61, Battle Rock

Catalog No.	Material Class	Description	Condition
3443	modified faunal remains	arrowhead, end-bladed, antler (Plate 86)	complete
3444	modified faunal remains	arrowhead fragment, antler	incomplete
3446	modified faunal remains	arrowhead fragment, antler	incomplete
3447	modified faunal remains	arrowhead fragment, antler	incomplete
3448	modified faunal remains	arrowhead fragment, antler	incomplete
3449	modified faunal remains	arrowhead fragment, antler	incomplete
3450	modified faunal remains	arrowhead fragment, antler	incomplete
3451	modified faunal remains	arrowhead fragment, antler	incomplete
3452	modified faunal remains	arrowhead fragment, antler	incomplete
3453	modified faunal remains	arrowhead fragment, antler	incomplete
3454	modified faunal remains	arrowhead fragment, antler	incomplete
3455	modified faunal remains	arrowhead fragment, antler	incomplete
3456	modified faunal remains	arrowhead fragment, antler	incomplete
3457	modified faunal remains	arrowhead fragment, antler	incomplete
3457	modified faunal remains	arrowhead, side bladed, antler (Plate 86)	incomplete
3458	modified faunal remains	arrowhead fragment, antler	incomplete
3459	modified faunal remains	arrowhead fragment, antler	incomplete
3460	modified faunal remains	arrowhead fragment, antler	incomplete
3462	unmodified faunal remains	animal-bone fragment	incomplete
3463	modified faunal remains	animal bone, modified	complete
3464	unmodified faunal remains	animal-bone fragment	incomplete
3465B	unmodified faunal remains	animal-bone fragment	incomplete
3466	modified faunal remains	animal bone, modified	complete
3467	unmodified faunal remains	animal-bone fragment	incomplete
3468	unmodified faunal remains	animal-bone fragment (catalog card says "seal skull")	incomplete
3469	unmodified faunal remains	animal-bone fragment (seal fibula?)	incomplete
3470	unmodified faunal remains	animal-bone fragment	incomplete
3471	unmodified faunal remains	animal-bone fragment	incomplete
3472	unmodified faunal remains	animal-bone fragment	incomplete
3473	unmodified faunal remains	animal-bone fragment	incomplete
3474	unmodified faunal remains	animal-bone fragment	incomplete
3475	modified faunal remains	animal bone, modified	complete
3476	modified faunal remains	animal bone, modified	complete
3477	unmodified faunal remains	animal-bone fragment	incomplete
3478	modified faunal remains	animal bone, modified	complete

Catalog No.	Material Class	Description	Condition
3479	botanical	fragment, wood	incomplete
3480	chipped stone	Side blade inset, distal fragment, chert (Plate 86)	incomplete
3481	chipped stone	Side blade inset, fragment, chert (Plate 86)	incomplete
3482	chipped stone	flake tool, chert	complete
3483	chipped stone	side blade inset, chert (Plate 86)	complete
3484	chipped stone	flake tool, chert	complete
3485	chipped stone	projectile-point fragment, chert	incomplete
3486	chipped stone	projectile-point fragment, chert	incomplete
3487	chipped stone	end blade inset, basal fragment, chert (Plate 86)	incomplete
3488	chipped stone	projectile-point fragment, chert	incomplete
3489	chipped stone	end blade inset, basal fragment, chert (Plate 86)	incomplete
3490	chipped stone	projectile-point fragment, chert	incomplete
3491	chipped stone	projectile-point fragment, chert	incomplete
3492	chipped stone	side blade inset, chert (Plate 86)	complete
3493	chipped stone	projectile-point fragment, chert	incomplete
3494	chipped stone	flake tool, chert	complete
3495	modified faunal remains	openwork carving, animal motif, ivory (Plate 86)	incomplete
3496	modified faunal remains	openwork carving, ivory (Plate 86)	complete
3497	modified faunal remains	openwork carving, ivory (Plate 86)	incomplete
3498	modified faunal remains	openwork carving, ivory (Plate 86)	incomplete
3499	modified faunal remains	ornamental chain, ivory (Plate 86)	incomplete
3500a	modified faunal remains	chain link, ivory (Plate 86)	complete
3500b	modified faunal remains	chain link, ivory (Plate 86)	complete
3500c	modified faunal remains	chain link, ivory (Plate 86)	complete
3501	modified faunal remains	ornamental chain-link fragment, poor condition, ivory (Plate 86)	incomplete
3502	modified faunal remains	ornamental chain, bird-head motif, ivory (Plate 86)	complete

Table 226.
Unassociated Funerary Objects from Feature 4, Accession No. 61, Battle Rock

Catalog No.	Material Class	Description	Condition
3040	modified faunal remains	arrowhead fragment, antler	incomplete
3044	modified faunal remains	arrowhead fragment, antler	incomplete
3045	modified faunal remains	arrowhead fragment, antler	incomplete
3047	modified faunal remains	arrowhead fragment, antler	incomplete
3057	modified faunal remains	arrowhead fragment, antler	incomplete
3059	modified faunal remains	arrowhead fragment, antler	incomplete
3060	modified faunal remains	arrowhead fragment, antler	incomplete

Catalog No.	Material Class	Description	Condition
3061	modified faunal remains	arrowhead fragment, antler	incomplete
3063	modified faunal remains	arrowhead, antler	complete
3064	modified faunal remains	arrowhead fragment, antler	incomplete
3074	modified faunal remains	arrowhead fragment, antler	incomplete
3075	modified faunal remains	arrowhead fragment, antler	incomplete
3084	modified faunal remains	arrowhead, antler	complete
3086	modified faunal remains	arrowhead fragment, antler	incomplete
3087	modified faunal remains	arrowhead fragment, antler	incomplete
3088	modified faunal remains	arrowhead fragment, antler	incomplete
3089	modified faunal remains	arrowhead fragment, antler	incomplete
3111	modified faunal remains	arrowhead fragment, antler	incomplete
3113	modified faunal remains	arrowhead fragment, antler	incomplete
3126	modified faunal remains	arrowhead, antler	complete
3134	modified faunal remains	arrowhead fragment, antler	incomplete
3144	modified faunal remains	arrowhead fragment, antler	incomplete
3159	modified faunal remains	arrowhead fragment, antler	incomplete
3165	modified faunal remains	arrowhead fragment, antler	incomplete
3178	modified faunal remains	arrowhead fragment, antler	incomplete
3179	modified faunal remains	arrowhead fragment, antler	incomplete
3184	modified faunal remains	arrowhead fragment, antler	incomplete
3186	modified faunal remains	arrowhead fragment, antler	incomplete
3187	modified faunal remains	arrowhead fragment, antler	incomplete
3191	modified faunal remains	arrowhead fragment, antler	incomplete
3192	modified faunal remains	arrowhead fragment, antler	incomplete
3194	modified faunal remains	arrowhead fragment, antler	incomplete
3195	modified faunal remains	arrowhead fragment, antler	incomplete
3198a	modified faunal remains	arrowhead fragment, antler	incomplete
3199	modified faunal remains	arrowhead fragment, antler	incomplete
3223	modified faunal remains	arrowhead fragment, antler	incomplete
3224	modified faunal remains	arrowhead fragment, antler	incomplete
3225	modified faunal remains	arrowhead fragment, antler	incomplete
3226	modified faunal remains	arrowhead fragment, antler	incomplete
3227	modified faunal remains	arrowhead fragment, antler	incomplete
3228	modified faunal remains	arrowhead fragment, antler	incomplete
3232	modified faunal remains	arrowhead fragment, antler	incomplete
3234	modified faunal remains	arrowhead fragment, antler	incomplete
3235	modified faunal remains	arrowhead fragment, antler	incomplete

Catalog No.	Material Class	Description	Condition
3236	modified faunal remains	arrowhead fragment, antler	incomplete
3237	modified faunal remains	arrowhead fragment, antler	incomplete
3238	modified faunal remains	arrowhead fragment, antler	incomplete
3239	modified faunal remains	arrowhead fragment, antler	incomplete
3240	modified faunal remains	arrowhead fragment, antler	incomplete
3241	modified faunal remains	arrowhead fragment, antler	incomplete
3242	modified faunal remains	arrowhead fragment, antler	incomplete
3244	modified faunal remains	arrowhead fragment, antler	incomplete
3245	modified faunal remains	arrowhead fragment, antler	incomplete
3246	modified faunal remains	arrowhead fragment, antler	incomplete
3247	modified faunal remains	arrowhead fragment, antler	incomplete
3248	modified faunal remains	arrowhead fragment, antler	incomplete
3249	modified faunal remains	arrowhead fragment, antler	incomplete
3250	modified faunal remains	arrowhead fragment, antler	incomplete
3250	chipped stone	blade fragment, chert	incomplete
3251	modified faunal remains	arrowhead fragment, antler	incomplete
3253	modified faunal remains	arrowhead fragment, antler	incomplete
3254	modified faunal remains	arrowhead fragment, antler	incomplete
3255	modified faunal remains	arrowhead fragment, antler	incomplete
3256	modified faunal remains	arrowhead fragment, antler	incomplete
3257	modified faunal remains	arrowhead fragment, antler	incomplete
3258	modified faunal remains	arrowhead fragment, antler	incomplete
3259	modified faunal remains	arrowhead fragment, antler	incomplete
3262	modified faunal remains	arrowhead fragment, antler	incomplete
3263	modified faunal remains	arrowhead fragment, antler	incomplete
3264	modified faunal remains	arrowhead fragment, antler	incomplete
3265	modified faunal remains	arrowhead fragment, antler	incomplete
3266	modified faunal remains	arrowhead fragment, antler	incomplete
3267	modified faunal remains	arrowhead fragment, antler	incomplete
3268	modified faunal remains	arrowhead fragment, antler	incomplete
3269	modified faunal remains	arrowhead fragment, antler	incomplete
3270	modified faunal remains	arrowhead fragment, antler	incomplete
3271	modified faunal remains	arrowhead fragment, antler	incomplete
3272	modified faunal remains	arrowhead fragment, antler	incomplete
3273	modified faunal remains	arrowhead fragment, antler	incomplete
3274	modified faunal remains	arrowhead fragment, antler	incomplete
3275	modified faunal remains	arrowhead fragment, antler	incomplete

Catalog No.	Material Class	Description	Condition
3276	modified faunal remains	arrowhead fragment, antler	incomplete
3277	modified faunal remains	arrowhead fragment, antler	incomplete
3278	modified faunal remains	arrowhead fragment, antler	incomplete
3280	modified faunal remains	arrowhead fragment, antler	incomplete
3281	modified faunal remains	arrowhead fragment, antler	incomplete
3282	modified faunal remains	arrowhead fragment, antler	incomplete
3283	modified faunal remains	arrowhead fragment, antler	incomplete
3284	modified faunal remains	arrowhead fragment, antler	incomplete
3285	modified faunal remains	arrowhead fragment, antler	incomplete
3288	modified faunal remains	arrowhead fragment, antler	incomplete
3289	modified faunal remains	arrowhead fragment, antler	incomplete
3290	modified faunal remains	arrowhead fragment, antler	incomplete
3292	modified faunal remains	arrowhead fragment, antler	incomplete
3293	modified faunal remains	arrowhead fragment, antler	incomplete
3294	modified faunal remains	arrowhead fragment, antler	incomplete
3295	modified faunal remains	arrowhead fragment, antler	incomplete
3296	modified faunal remains	arrowhead fragment, antler	incomplete
3297	modified faunal remains	arrowhead fragment, antler	incomplete
3299	unmodified faunal remains	fragment, animal bone	incomplete
3300	modified faunal remains	arrowhead fragment, antler	incomplete
3301	modified faunal remains	arrowhead fragment, antler	incomplete
3302	modified faunal remains	arrowhead fragment, antler	incomplete
3314	modified faunal remains	arrowhead fragment, antler	incomplete
3318	unmodified faunal remains	animal tooth fragment	incomplete
3319	modified faunal remains	worked fragment, antler	incomplete
3320	modified faunal remains	worked fragment, antler	incomplete
3321	modified faunal remains	worked fragment, antler	incomplete
3322	modified faunal remains	worked fragment, antler	incomplete
3324	modified faunal remains	arrowhead fragment, antler	incomplete
3327	unmodified faunal remains	tooth fragment	incomplete
3332	chipped stone	flake tool, chert	incomplete
3333	chipped stone	flake tool, chert	complete
3334	chipped stone	flake tool, chert	complete
3335	chipped stone	flake tool, chert	complete
3336	chipped stone	flake tool, chert	complete
3337	chipped stone	flake tool, chert	complete
3338	chipped stone	flake tool, chert	complete

Catalog No.	Material Class	Description	Condition
3339	chipped stone	flake tool, chert	complete
3345	chipped stone	blade fragment, chert	incomplete
3347	chipped stone	distal blade fragment, chert	incomplete
3351	chipped stone	distal blade fragment, chert	incomplete
3353	chipped stone	distal blade fragment, chert	incomplete
3355	chipped stone	blade fragment, chert	incomplete
3356	chipped stone	distal blade fragment, chert	incomplete
3357	chipped stone	distal blade fragment, chert	incomplete
3358	chipped stone	distal blade fragment, chert	incomplete
3360	chipped stone	distal blade fragment, chert	incomplete
3361	chipped stone	blade fragment, chert	incomplete
3362	chipped stone	end blade inset, chert	complete
3363	chipped stone	end blade inset, chert	complete
3364	chipped stone	distal blade fragment, chert	incomplete
3365	chipped stone	distal blade fragment, chert	incomplete
3379	chipped stone	distal blade fragment, chert	incomplete
3382	chipped stone	end blade inset, chert	complete
3383	chipped stone	distal blade fragment, chert	incomplete
3384	chipped stone	blade fragment, chert	incomplete
3385	chipped stone	end blade inset, chert	complete
3386	chipped stone	blade fragment, chert	incomplete
3387	chipped stone	end blade inset, chert	complete
3391	chipped stone	blade fragment, chert	incomplete
3391	chipped stone	distal blade fragment, chert	incomplete
3393	chipped stone	side blade inset, chert	complete
3394	chipped stone	distal blade fragment, chert	incomplete
3550	chipped stone	end blade inset, chert (Plate 87)	complete
3551	chipped stone	blade fragment, chert	incomplete
3552	chipped stone	blade fragment, chert	incomplete
3553	chipped stone	blade fragment, black chert	incomplete
3554	chipped stone	end blade inset, chert (Plate 87)	complete
3555	chipped stone	blade fragment, black chert	incomplete
3556	chipped stone	blade fragment, chert	incomplete
3557	chipped stone	end blade inset, chert (Plate 87)	complete
3558	chipped stone	blade fragment, black chert	incomplete
3558	chipped stone	end blade inset, chert (Plate 87)	complete
3559	chipped stone	end blade inset, basal fragment, chert (Plate 87)	incomplete

Catalog No.	Material Class	Description	Condition
3560	chipped stone	blade fragment, black chert	incomplete
3564	modified faunal remains	arrowhead, antler (Plate 87)	incomplete
3566	modified faunal remains	unknown object, antler	complete
3583	modified faunal remains	arrowhead fragment, barbed, antler (Plate 87)	incomplete
3596	chipped stone	blade fragment, chert	incomplete
3617	chipped stone	flake, chert	complete
3618	chipped stone	flake, chert	complete
3619	chipped stone	core fragment, black chert	incomplete
3620	chipped stone	tool, stone	complete
3622	chipped stone	flake, chert	complete
3623	chipped stone	flake, chert	complete
3625	chipped stone	flake, chert	complete
3626	chipped stone	flake, chert	complete
3628	chipped stone	flake, chert	complete
3629	chipped stone	flake, chert	complete
3630	chipped stone	flake, chert	complete
3631	chipped stone	flake, chert	complete
3632	chipped stone	flake, chert	complete
3635	chipped stone	flake, chert	complete
3636	ground stone	fragment, slate	incomplete
3637	ground stone	fragment, slate	incomplete
3638	ground stone	fragment, slate	incomplete
3639	ground stone	fragment, slate	incomplete
3772	chipped stone	side blade inset, chert	complete

Table 227.
Unassociated Funerary Objects from Feature 5, Accession No. 61, Battle Rock

Catalog No.	Material Class	Description	Condition
3513	chipped stone	side blade inset, chert (Plate 85)	incomplete
3566	chipped stone	end blade inset, chert (Plate 85)	complete
3567	chipped stone	end blade inset, chert (Plate 85)	complete
3568	chipped stone	side blade inset, chert (Plate 85)	complete
3569	chipped stone	end blade inset fragment, chert (Plate 85)	incomplete
3570	chipped stone	side blade inset, fragmentary, chert (Plate 85)	complete
3571	chipped stone	end blade inset, chert (Plate 85)	complete
3572	chipped stone	side blade inset, chert	complete
3574	chipped stone	blade fragment, chert	incomplete
3575	chipped stone	blade fragment, distal, black chert	incomplete

Catalog No.	Material Class	Description	Condition
3576	chipped stone	end blade inset basal fragment, chert (Plate 85)	incomplete
3576	chipped stone	side blade inset fragment	incomplete
3577	chipped stone	blade fragment, chert	incomplete
3579	chipped stone	flake, chert	complete
3580	modified faunal remains	arrowhead, end-bladed, antler (Plate 85)	incomplete
3581	modified faunal remains	arrowhead, end-bladed, antler (Plate 85)	incomplete
3582	modified faunal remains	possible awl, antler	complete
3583	modified faunal remains	possible awl, antler	complete
3584	modified faunal remains	openwork carving, ivory (Plate 85)	incomplete
3586	modified faunal remains	flaker handle, antler (Plate 85)	incomplete

APPENDIX 6

Bibliography for Archaeological Collections at the American Museum of Natural History and the Haffenreffer Museum of Anthropology

The excavations that produced the collections at the Haffenreffer have resulted in a large body of research. The following publications and papers were obtained from NADB (http://www.cast.uark.edu).

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APPENDIX 7

Summary of Paleontological and Geological Permits/Collections

Permit Number	Curation Facility	Status
2/14/50-NM	Museum of Natural History, University of Kansas, Lawrence	no response received
7/5/50-UT/CO/WY	American Museum of Natural History, New York, New York	no response received
3/25/54-UT	Peabody Museum of Natural History, Yale University, New Haven, Connecticut	incomplete response
4/27/55-UT	Peabody Museum of Natural History, Yale University, New Haven, Connecticut	incomplete response
9/24/56-Nevada	American Museum of Natural History, New York, New York	no response received
2/14/58-UT	American Museum of Natural History, New York, New York	no response received
3/14/58-NM	American Museum of Natural History, New York, New York	no response received
2/24/59-UT/WY	Museum of Natural History, University of Kansas, Lawrence	no response received
4/9/60-WY	Museum of Natural History, University of Kansas, Lawrence	no response received
4/29/60-CO	American Museum of Natural History, New York, New York	no response received
060-WY-PA85	Museum of Natural History, University of Kansas, Lawrence	no response received
10/1/62-NM	Museum of Natural History, University of Kansas, Lawrence	no response received
65-WY-PA85	Kent State University, Kent, Ohio; Smithsonian Institution, Washington, D.C.	curated at Kent State
4/18/67-CA	Field Museum of Natural History, Chicago, Illinois	no response received
6/27/67-NM	Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts	curated at designated curation facility
68-WY-125	Princeton University Museum of Natural History, Princeton, New Jersey	curated at Yale University
2/28/69-NM	Museum of Arid Land Biology, University of Texas, El Paso; New Mexico Tech, Socorro	curated elsewhere
5/28/69-WY	Charlotte Nature Museum, Charlotte, North Carolina; University of North Carolina, Raleigh-Durham	location of collection unknown
6/5/69-WY	Royal Ontario Museum, Ontario, Canada	curated at designated curation facility
70-CO-042	Natural Science Museum, Cleveland, Ohio	no response received
70-NM-017	Museum of Arid Land Biology, University of Texas, El Paso; New Mexico Tech, Socorro	curated at New Mexico Tech
70-WY-043	Geology Department, University of Missouri, Columbia	curated at designated curation facility
71-WY-007	University of Missouri, Kansas City	curated at designated curation facility

Permit Number	Curation Facility	Status
1/15/73-UT	Department of Geology, Marietta College, Marietta, Ohio	curated at designated curation facility
73-UT-019	Department of Geology, Marietta College, Marietta, Ohio	curated at designated curation facility
73-WY-646	Florissant Valley Community College, Florissant, Missouri	closed, no collection
75-CO-506	American Museum of Natural History, New York, New York	no response received
75-MT-023	Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts	curated at designated curation facility
75-WY-064	Museum of Paleontology, University of Michigan, Ann Arbor	curated at designated curation facility
75-WY-084	Peabody Museum of Natural History, Yale University, New Haven, Connecticut	incomplete response
75-WY-644	Field Museum of Natural History, Chicago, Illinois	no response received
76-MT-048	Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts	curated at designated curation facility
76-NM-049	Museum of Paleontology, University of Michigan, Ann Arbor	closed, no collection
76-NM-063	Carnegie Museum of Natural History, Pittsburgh, Pennsylvania	closed, no collection
76-WY-008	Carnegie Museum of Natural History, Pittsburgh, Pennsylvania	curated at designated curation facility
76-WY-010	Milwaukee Public Museum, Milwaukee, Wisconsin	no response received
76-WY-064	Carnegie Museum of Natural History, Pittsburgh, Pennsylvania	curated at designated curation facility
76-WY-077	Johns Hopkins University, Baltimore, Maryland	curated at designated curation facility
76-WY-082	Museum of Natural History, University of Kansas, Lawrence	no response received
77-MT-092	Milwaukee Public Museum, Milwaukee, Wisconsin	no response received
77-WY-027	Milwaukee Public Museum, Milwaukee, Wisconsin	no response received
77-WY-060	Geology Department, University of Missouri, Columbia	curated at designated curation facility
77-WY-083	Geology Department, University of Minnesota, Minneapolis	part of collection curated at designated facility
78-MT-036	Carnegie Museum of Natural History, Pittsburgh, Pennsylvania	curated at designated curation facility
78-NM-082	Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts	curated at designated curation facility
78-NM-667	Smithsonian Institution, Washington, D.C.	no response received

Permit Number	Curation Facility	Status
78-OR-005	Museum of Paleontology, University of Michigan, Ann Arbor	curated at designated curation facility
78-WY-031	Milwaukee Public Museum, Milwaukee, Wisconsin	no response received
78-WY-065	Museum of Paleontology, University of Michigan, Ann Arbor	curated at designated curation facility
78-WY-089	Carnegie Museum of Natural History, Pittsburgh, Pennsylvania	curated at designated curation facility
78-WY-104	Smithsonian Institution, Washington, D.C.	no response received
79-CO-668	University of Kansas, Lawrence	curated at designated curation facility
79-NM-095	Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts	curated at designated curation facility
79-NM-112	Carnegie Museum of Natural History, Pittsburgh, Pennsylvania	curated at designated curation facility
79-NM-585	American Museum of Natural History, New York, New York; Carnegie Museum of Natural History, Pittsburgh, Pennsylvania	no response received
79-NM-586	Smithsonian Institution, Washington, D.C.	no response received
79-NM-807	Smithsonian Institution, Washington, D.C.; Laboratory of Environmental Biology, University of Texas, El Paso; Southwestern Biostratigraphic Institute, New Mexico Tech, Socorro	curated elsewhere
79-UT-113	Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts	curated at designated curation facility
79-WY-087	Museum of Paleontology, University of Michigan, Ann Arbor	curated at designated curation facility
79-WY-102	Museum of Natural History, University of Kansas, Lawrence	no response received
79-WY-130	Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts	curated at designated curation facility
79-WY-131	Carnegie Museum of Natural History, Pittsburgh, Pennsylvania	curated at designated curation facility
79-WY-171	Peabody Museum of Natural History, Yale University, New Haven, Connecticut; Duke Primate Center, Duke University, Durham, North Carolina	curated at designated curation facility
79-WY-202	Field Museum of Natural History, Chicago, Illinois	no response received
79-WY/MT-566	Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts	curated at designated curation facility
80-WY-073	Milwaukee Public Museum, Milwaukee, Wisconsin	no response received
82-WY-PA85	Buffalo Museum of Science, Buffalo, New York	curated at designated curation facility

APPENDIX 8

Data-Collection Forms

PD-C Collection Number:

Human Skeletal Remains Data Sheet

Page ____ of ____

PD-C Project: *Date:*

Recorded by:

Subject Property (e.g., USACE-St. Louis District, Fort McClellan, AL):

Specific Property (e.g., Rend Lake, IL):

Is it fee-title property? Yes ☐ No ☐ Unknown ☐

Repository Name: *POC Name:*

Address: *POC Title:*

Room Number:

Source of Information (Mark Only One)

Card Catalog Records ☐ Accession Records ☐ Other Museum Records ☐ Site Records ☐
Field Records ☐ Report/Manuscript ☐ Interview ☐ Physical Inspection ☐

Other ☐ _____

CITATION:

Antiquity Information

Antiquity: Historic ☐ Prehistoric ☐ Unknown ☐

Archaeological Period (e.g., Late Woodland):

Archaeological Date (e.g., 1400 B.P.):

Method of Dating:

Historic Records ☐ ^{14}C ☐ Obsidian Hydration ☐ Artifact Type ☐ _____

Other ☐ _____

Collection Information

Site Number: *Accession Number:*

Site Name: *Collection Name:*

Container Label: *Burial Provenience:*

Burial Number:

Storage Location:

Associated Objects? Yes ☐ No ☐ Unknown ☐

Number of Objects: _____ Number of Attached Object Forms _____

Skeletal Information

Individual _____ *of* _____ *Total Number of Individuals:*

Repository Assigned Catalog Number:

Interment Type (e.g., cremation [Only if Information is Present]):

Age: Adult (18+ years) ☐ Subadult (4-18 years) ☐ Infant (0-3 years) ☐ Indeterminate ☐

Means of Determination:

Sex: Male ☐ Probable Male ☐ Female ☐ Probable Female ☐ Indeterminate ☐

Means of Determination:

Cultural Affiliation (Only if Information is Present):

Basis for Affiliation Determination (Only if Information is Present):

Photocopies Attached? Yes ☐ No ☐ Number of Attached Pages _____	Human Skeletal Remains Addenda Attached? Yes ☐ No ☐	Continuation Sheets Attached? Yes ☐ No ☐ Number of Attached Pages _____

Comments:

Skeletal Elements Present

Element (U)=Unknown Side	*Intact*	*Complete but Fragmented*	*Incomplete*	*All Elements Present? (y/n)*	*Comments*
Cranium					
Mandible					
Vertebrae					
Sacrum					
Sternum					
Scapula (U)					
Left					
Right					
Clavicle (U)					
Left					
Right					
Ribs (U)					
Left					
Right					
Humerus (U)					
Left					
Right					
Ulna (U)					
Left					
Right					
Radius (U)					
Left					
Right					
Hand (U)					
Left					
Right					
Innominate (U)					
Left					
Right					
Femur (U)					
Left					
Right					
Patella (U)					
Left					
Right					
Tibia (U)					
Left					
Right					
Fibula (U)					
Left					
Right					
Foot (U)					
Left					
Right					
Other (loose teeth, phalanges, etc.)					

Cranial Inventory Form

(BLM NAGPRA Project: Point Hope, Alaska, Collection)

Recorded by: _____ Date: _____

Repository: American Museum of Natural History
Central Park West at 79th Street
New York, New York 10024-5192

POC: Martha Graham
Curator, Cultural Resources

Storage Location: 5th Floor, Room 17, Shelf No. _____, Box No. _____

Container Label:

Catalog No.:

Burial No.:

Individual _____ of _____

Total Number of Individuals:

Age: Adult (18+ years) _____ Subadult (4–18 years) _____ Infant (0–3 years)_____ Indeter. _____

Means of Determination:

Sex: Male _____ Prob. Male _____ Female _____ Prob. Female _____ Indeterminate _____

Means of Determination:

Element	*Intact*	*Complete but Fragmented*	*Incomplete*	*Comments*
Cranial Vault				
Cranial Base				
Face				
Mandible				

Teeth: Number, intact: _____ Number, loose: _____

Comments:

(Continued on back?)
Yes No