

Report Documentation Page

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Ice Camp

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LONG-TERM GOALS

To support ice camp science and logistics in APLIS/SCICEX 99.

OBJECTIVES

To supply the needs of science and Navy within stated budget.

APPROACH

General method based on 15 years of successful arctic work and keeping an open mind as to methodologies for required tasks.

WORK COMPLETED

APLIS/SCICEX 99 completed all stated tasks and within schedule and budget of nominal \$500K.
General description of camp and support:

- location was 72.5 N x 158 W nominal on multi-year ice 2 meters thick
- support base Barrow, Alaska (requiring airfreight from Fairbanks)
- aircraft support was Twin Otter (on wheels) contracted from ERA Aviation and used 42 flights and 123 flight hours and ski equipped Cessna from Cape Smyttie Aviation (search)
- population at camp was 29 max plus day visitors and 320 person-days total over a 23-day period including camp site search, setup, and teardown
- 10 buildings, 2 heavy skidos, 4 sleds, 5KW diesel genset plus backup, comm support (field, aircraft, submarine)
- 3 field logistic personnel (APL-UW) plus 1 cook (ASL-Navy)
- Shore (Barrow) coordination provided by ASL-Navy.

RESULTS

Supported up to 30 guests at camp, supported 5 science groups plus Navy Submarine Force with field equipment communications, logistics and technical support, and all were successfully met.

IMPACT/APPLICATIONS

The knowledge that this type of support exists and can be relied upon.

TRANSITIONS

RELATED PROJECTS

Polar Science projects work closely with arctic group of APL's Ocean Engineering

REFERENCES

Navy Op Ord general knowledge guidelines