Sustainability: Land Management

Mr. Elmer Ransom
Environmental Management Section
Commandant of the Marine Corps, CMC(LF)
24 May 2012

-- UNCLASSIFIED --
1. REPORT DATE
24 MAY 2012

2. REPORT TYPE

3. DATES COVERED
00-00-2012 to 00-00-2012

4. TITLE AND SUBTITLE
Sustainability: Land Management

5a. CONTRACT NUMBER

5b. GRANT NUMBER

5c. PROGRAM ELEMENT NUMBER

5d. PROJECT NUMBER

5e. TASK NUMBER

5f. WORK UNIT NUMBER

6. AUTHOR(S)

7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)
United States Marine Corps, Environmental Management Section, 3049 Bordelon St, Quantico, VA, 22134-5001

8. PERFORMING ORGANIZATION REPORT NUMBER

9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)

10. SPONSOR/MONITOR’S ACRONYM(S)

11. SPONSOR/MONITOR’S REPORT NUMBER(S)

12. DISTRIBUTION/AVAILABILITY STATEMENT
Approved for public release; distribution unlimited

13. SUPPLEMENTARY NOTES
Presented at the NDIA Environment, Energy Security & Sustainability (E2S2) Symposium & Exhibition held 21-24 May 2012 in New Orleans, LA

14. ABSTRACT

15. SUBJECT TERMS

16. SECURITY CLASSIFICATION OF:
a. REPORT unclassified
b. ABSTRACT unclassified
c. THIS PAGE unclassified

17. LIMITATION OF ABSTRACT
Same as Report (SAR)

18. NUMBER OF PAGES 14

19a. NAME OF RESPONSIBLE PERSON
Southwestern Regional Range System

For the Marine Corps, the Region has:

- 80% of Real Estate
- 85% Live Fire Ranges
- 67% DoD Airspace
Training in the White Space: MV22 NEPA Study, Land Use:

Off DoD: 195 sites in CA, AZ, NV

Federal Agencies: BLM, USFS, BUREC

Local Government

Private Lands

MV22 Osprey landing at the Mountain Warfare Training Center, U.S. Forest Service Humboldt-Toiyabe National Forest
We Must “Train As We Fight”

EX DESERT SCIMITAR 2001, 2002: 1st Marine Division crossing the Colorado River

200 Miles across CA to AZ
592 Vehicles
2700 Marines
450’ expeditionary bridging

DoD does not possess the range of conditions needed to fully rehearse current operational plans unless complemented by public lands

2003: 1st Marine Division crossing Southern Bridge into Baghdad
Bureau of Ocean Energy Management...

Five-Year Plan

Capistrano Basin-

Proven reserves of approximately 1.1 billion barrels (Bbbl) of oil and about 1.2 trillion cubic feet of natural gas.

Off-Shore Encroachment Issues:
- Potential LNG Terminal Site
- BOEM Off-Shore Energy Proven Reserves
- CA Marine Protected Area
- San Onofre Wave Energy Project
- Gravity Feed Renewable Energy Project

Amphibious Training Area

MCB Camp Pendleton

Bureau of Ocean Energy Management...

Five-Year Plan

Capistrano Basin-

Proven reserves of approximately 1.1 billion barrels (Bbbl) of oil and about 1.2 trillion cubic feet of natural gas.
Endangered Species Act
DoD’s Share:

- **Acres of Land**
- **Number of Federally Listed Species**

*Adapted from Natural Heritage Data Network - The Nature Conservancy*
Climate Change Impacts and Adaptation
Coastal Vulnerability Index

Coastal Vulnerability to Sea Level Rise - CONUS

*Data Source: USGS*
*Base Map Source: ESRI*

- Low
- Moderate to High
- Very High
Common Themes

• Challenges
  • Bases Were “Sized” For Yesterday’s Needs
  • Competition and Threats to Training Space
  • Complexity and Multi-Dimensional Aspects
  • Fiscal Realities
  • Planning under Risk and Uncertainty

• Solutions
  • Be Proactive and Innovative
  • Engage with Stakeholders
  • Understanding the Needs of Your Client
  • Influence vs. Ownership