Visualization of Spatially Explicit Habitat and Species Data in Support of Renewable Energy Siting – a use case for the Multipurpose Marine Cadastre Tool

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Presentation Outline

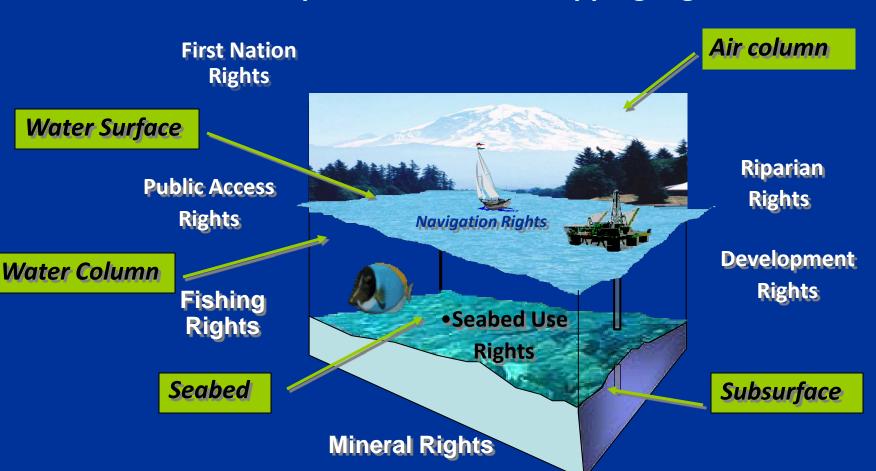
- Background and Issue Statement
- Multi-purpose Marine Cadastre Tool
- NMFS/Wave Energy Case Study Example
- Summary





Competing Uses of Marine Resources

Multiple and often Overlapping Rights





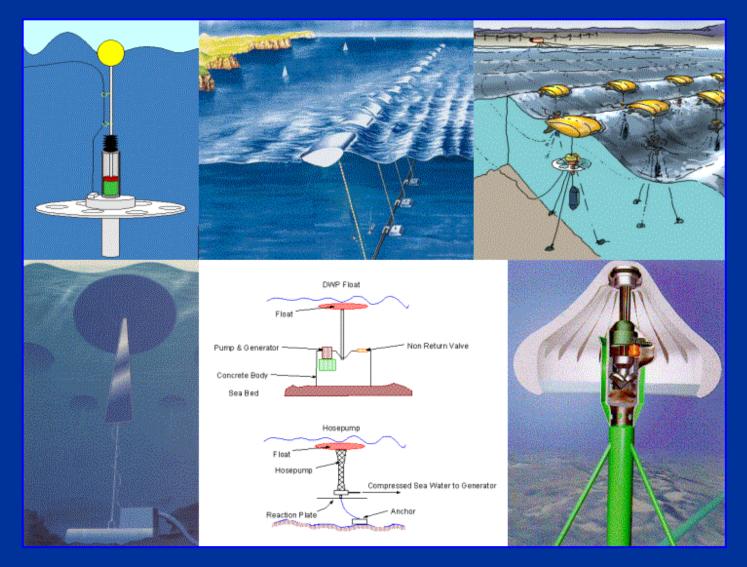


So, Things Like:









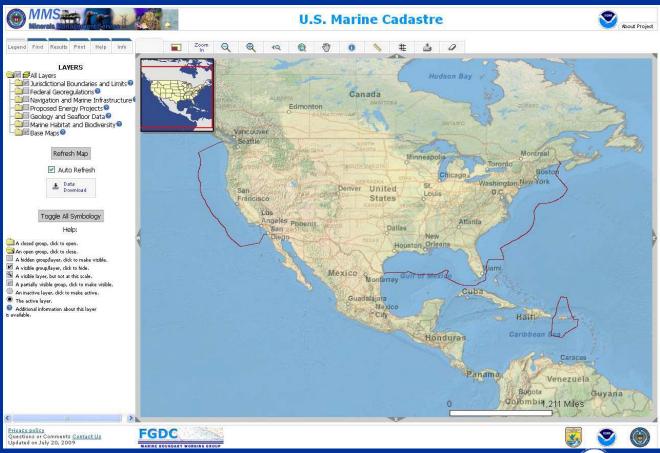
Alternative forms of wave energy





Multipurpose Marine Cadastre

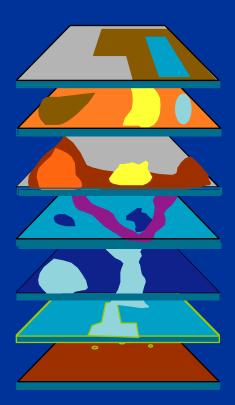
A marine information system for the outer continental shelf and state waters that provides a data framework to support decision making.







Multipurpose Marine Cadastre Data Themes



- Marine Cadastre
- Georegulations
- Marine Navigation & Infrastructure
- Geology and Seafloor *
- Marine Habitat and Biodiversity *
- Human Uses *
- Base Maps







Partners and Providers

- Current Partnerships
- Minerals Management Service (lead)
- NOAA Coastal Services Center (technical lead)
- NOAA Office of Coast Survey
- NOAA National Marine Sanctuaries
- NOAA Marine Protected Areas
- NOAA Fisheries
- Federal Energy Regulatory Commission
- U.S. Fish and Wildlife Service
- National Park Service
- The Nature Conservancy
- California Coastal Conservancy

- Potential Partnership Opportunities
- Department of Defense (DoD)
- Coast Guard
- Massachusetts Coastal Zone Mgmt.
- Rhode Island CRMC
- Department of Energy
- South Carolina OCRM
- Northeast Regional Ocean Council
- Other States



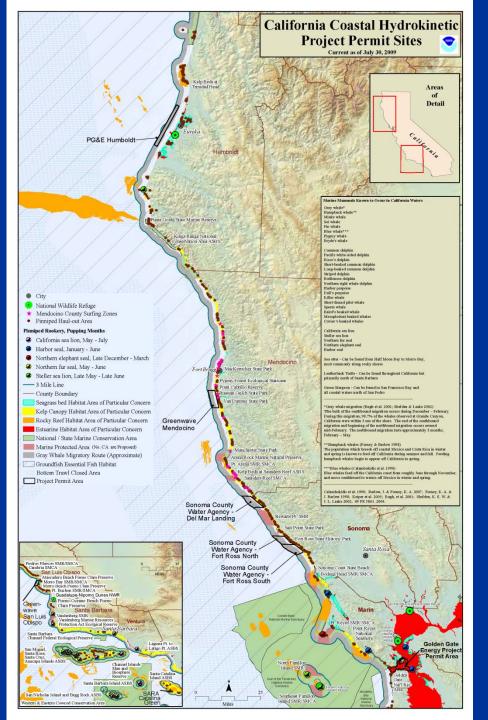


Why is the Multipurpose Marine Cadastre Important?

- Improves coordination and decision making
- Venue to resolve and modernize boundaries
- Venue for new data
- Relevant to all ocean planning issues
- Reduces data costs for states









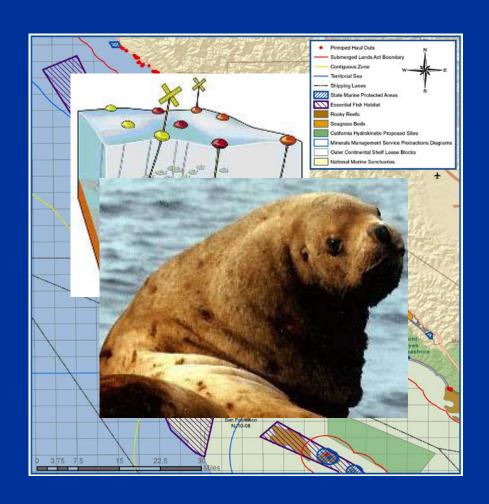


Case Studies

<u>Partner</u>: NOAA NMFS Habitat Conservation Division

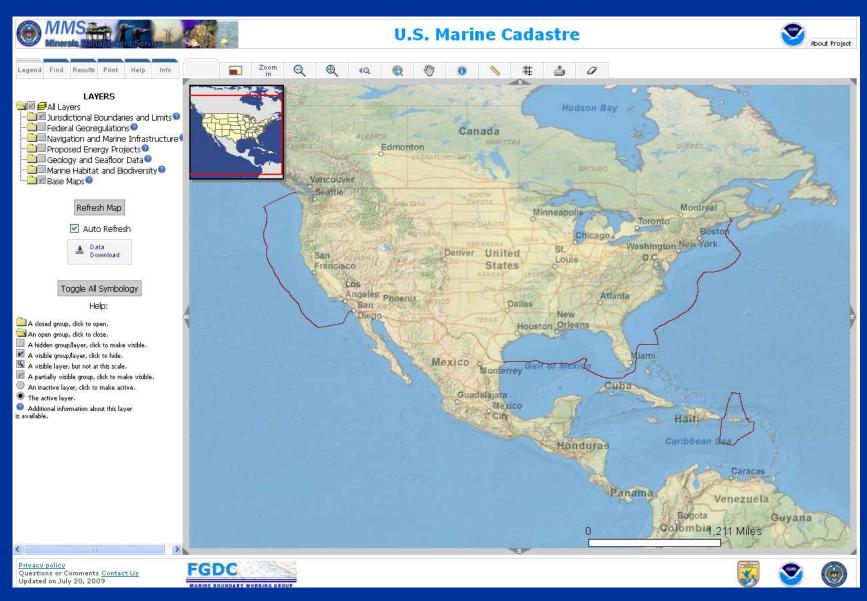
Issues: Map hydrokinetic projects and critical habitat data; system to support permit review

Status: Ongoing; figuring out best way to collaborate









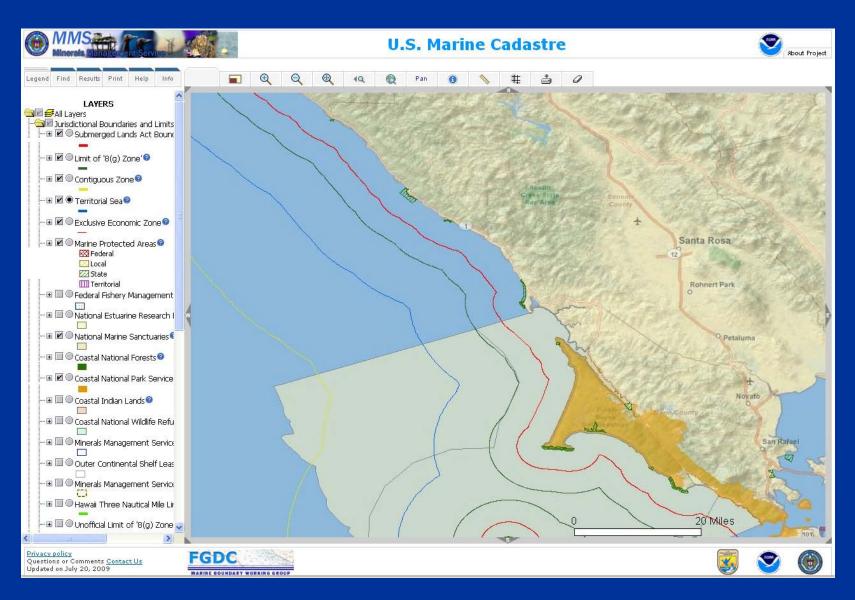






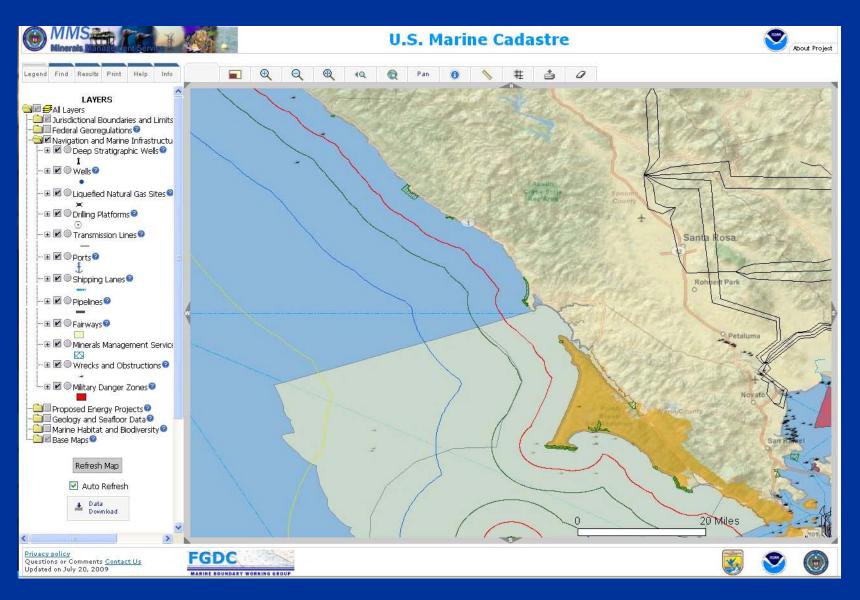






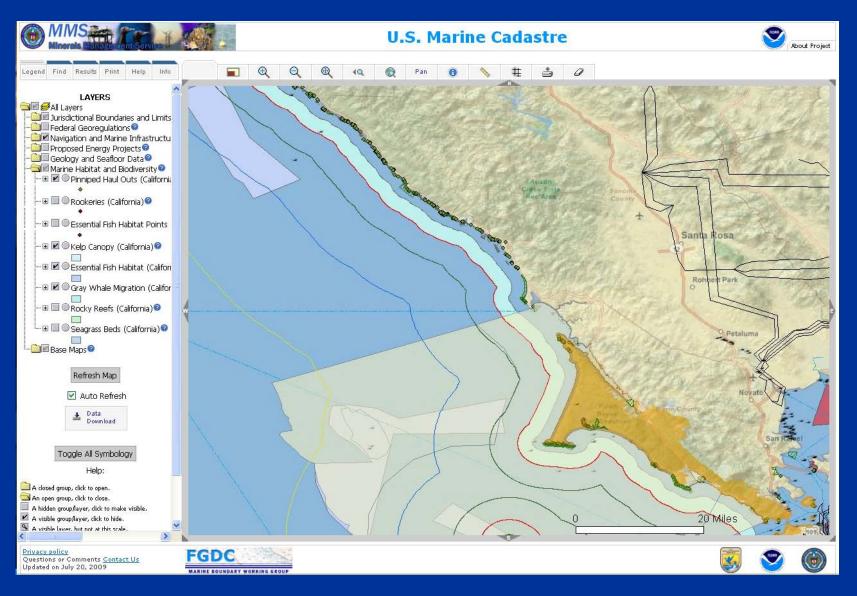






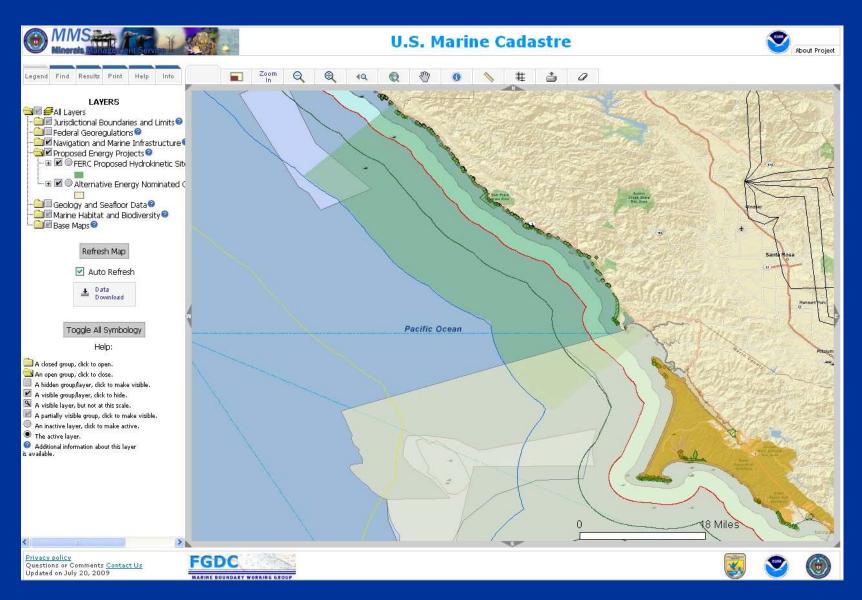






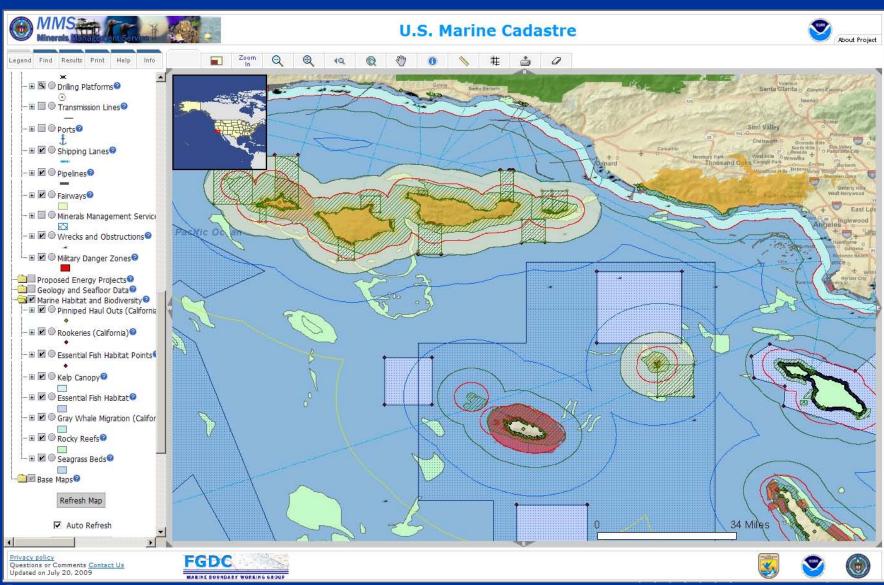
















Summary

- Increases in ocean use vs change in management approach
- MSP is a platform for EBM implementation
- MMC supporting efficient permit review
- MMC gaining momentum via case studies and partnerships
- Partnering to increase data access
- Distributed data vision





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- Christine Taylor, MMS— <u>Christine.Taylor@mms.gov</u>

Web access points:

- www.csc.noaa.gov/digitalcoast/tools/mmc/
- www.mms.gov/offshore/mapping/



