

**MBWG Meeting**  
NOAA  
Silver Spring, Maryland  
December 8, 2010

**In Attendance**

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## Minutes

- Bureau of Ocean Energy Management, Regulation and Enforcement (Christine Taylor, Doug Vandegraft)
  - Provided an overview of the name change from Minerals Management Service to the Bureau of Ocean Energy Management, Regulation and Enforcement (BOEMRE).
  - Provided an overview of a number of forthcoming spatial data updates. These include -
    - Official Protraction Diagrams (OPDs)
    - Supplemental Official Block Diagrams (SOBDs)
    - Submerged Lands Act Boundary
    - Revenue Sharing Boundary / 8(g) Zone
  - Relating to renewable energy planning and siting, a spatial data set depicting Request for Interest (RFI) Areas should be finalized and made available within the next 1-2 months. These areas will be portrayed and made available through the Multipurpose Marine Cadastre.
  - Provided an overview on the work that BOEMRE has been doing in coordination with NOAA CSC and others on the Multipurpose Marine Cadastre
  - Provided an overview/update on the work that BOEMRE has been doing to “fix” the SLA Boundary for the state of California. As of the time of the meeting, the Department of Justice has been notified of this change. The final ruling will be done by the US Supreme Court. Other efforts are underway to fix the SLA Boundary for the states of Oregon and Washington as well.
- Bureau of Land Management (Don Buhler, Leonard Gore)
  - Notified the Group that the “Manual for Surveying Instructions” book was updated in the Fall of 2009 and published in early 2010. This is the first update since 1973. One specific section covers modern techniques for riparian boundaries. Please contact Don Buhler for a copy or additional information.
  - Provided an overview of the California Coastal National Monument, currently the only offshore managed by BLM.
  - BLM is mainly focused on onshore renewable energy (solar/wind/geothermal). The Bureau is using stimulus money to improve upon automated surveying tools and techniques. Money is also being used to survey interior areas which have yet to be surveyed in the past.
- National Geospatial-Intelligence Agency (Jimmy Nerantzis)
  - Mentioned that the Agency is currently involved in resolving several major disputed areas internationally. Such cases “may” involve and/or are concerned with strengthening and tightening the location of several international boundaries.
  - No further information can be released at this time.

- NOAA Office of Coast Survey (Meredith Westington, NOAA OCS)
  - Re-introduced her colleague, Chenglin Gan, who is working on combining OCS marine boundaries (Territorial Sea, EEZ, etc) into regional data layers. Currently, OCS boundaries are available by a state-by-state basis and must be merged to form regional or national coverage.
  - Also mentioned work on a national baseline database which would eventually tie into work within NOAA Office of Coast Survey Development Lab to create a single feature database for individual objects from the ENC's. OCS is currently working on setting up procedures to test how the baseline can be updated and maintained through such a database. Work is also being done to investigate how such points can be integrated into chart production (Marine Chart Division).
  - Mentioned the need to reinvigorate baseline committee efforts as updates have been made to Rose Atoll, Kingman Reef, Palmyra Atoll, and American Samoa.
- NOAA NMFS Office of Habitat Protection (Terra Lederhouse, NOAA NMFS)
  - Provided an overview of the work and coordination efforts that the Office of Habitat Protection has been working on as it relates to Essential Fish Habitat (EFH) and Habitat Areas of Particular Concern (HAPCs).
  - Provided an overview and update on the status of the "EFH Areas Protected from Fishing Impacts" data set. This data set is currently available in the EFH Mapper as well as in the NMFS GIS Inventory. This data set will also be available for viewing in the Multipurpose Marine Cadastre.
- US State Department (Brian Melchior)
  - Currently working with NOAA OCS (Meredith Westington) to update entries for the US Exclusive Economic Zone and Territorial Sea in the US Federal Register Notice (FRN).
  - Explained the State Department is working to produce new issues of the Limits in the Seas. The first issues will focus on analyzing foreign archipelagic baselines claims.
- Extended Outer Continental Shelf Task Force Update (Brian Melchior *on behalf of Brian Van Pay*, State Dept)
  - Four cruises were completed in 2010. These include:
    - A joint cruise between Canada and the U.S. that successfully collected bathymetric and seismic data in the Arctic Ocean
    - Two cruises that successfully collected bathymetric data off the Northern Mariana Islands
    - One cruise that successfully collected bathymetric data off Kingman Reef and Palmyra
    - Three cruises are planned for 2011. These include:
  - Joint cruise with Canada to collect bathymetric and seismic data in the Arctic
  - Seismic cruise in the Bering Sea and in the Gulf of Alaska

- Following such surveys, efforts to delimit the outer continental shelf beyond 200nm will move forward as planned.
- U.S. Geological Survey (Matt Arsenault, USGS)
  - Matt provided an update on sediment and other seafloor mapping efforts that he is currently associated with.
  - Mentioned that Fran Lightsome and others internally are working to better understand the variety of data holdings within USGS. This involves better coordination amongst field offices to understand what data is available and where the data is located.
- U.S. Fish and Wildlife Service (Mike Young and Gary Kratz, USFWS)
  - Ocean Activities
    - Doug Vandegraft (previously the Chief Cartographer at USFWS, now w/BOEMRE) provided a brief synopsis of the issues surrounding jurisdiction of Insular Possessions of the U.S., in this case National Wildlife Refuges and National Monuments.
    - At a previous meeting, a draft opinion from the Office of the DOI Solicitor stated that the jurisdiction of the FWS encompasses the breadth of the territorial sea at those National Wildlife Refuges that are also Insular Possessions of the U.S. The boundary of the monuments extends to 50 nautical miles surrounding the features. FWS believes that their jurisdiction includes the entire monument.
    - At this point, DOI and DOC have not come to an agreement with regards to whom holds jurisdiction over Pacific Refuges and Monuments.
    - The Chief Cartographer position has not been backfilled at this point and will be reposted soon.
  - Coastal Barrier Resources Act (CBRA) Update (Kristi Hatch, USFWS)
    - An overview of efforts to modernize CBRA maps/boundaries was provided by Katie Niemi at the December 2009 MBWG meeting. Please see the meeting minutes and notes from that meeting for additional background information.
    - Kristi Hatch provided an update on several pilot efforts to modernize the CBRA maps and related boundaries. Although these efforts were meant to modernize the entire CBRA database, due to budget restrictions/reductions, only 10% of the inventory has been completed.
    - Final recommendations based on this 10% will be made to Congress by the end of this Fiscal Year.
- Navy (Laura Muhs, Navy)
  - In the past, an overview on what spatial data may be publicly available and would be useful within the context of Coastal and Marine Spatial Planning and the Multipurpose Marine Cadastre was provided. It was noted that similar to efforts within USCG, the Navy is currently working internally to better organize and coordinate internally.
  - It was noted that updates will be made to the Operation Areas and Military Range maps/boundaries will be updated.

- The Navy is currently coordinating with the NGA to address errors and better refine their shared workflows.
- Baseline Committee (Doug Vandegraft, BOEMRE and Meredith Westington, NOAA OCS)
  - Doug Vandegraft provided a brief overview of the Committee.
  - Doug Vandegraft contacted the new Committee Chair (Kevin Baumert, State Department) with regards to whether any meetings are planned for the future (last meeting was Jan 2010). The next meeting of the Baseline Committee is currently planned for January/February of 2011.
- U.S. Coast Guard (Pete Noy, USCG)
  - Coast Guard is currently undergoing a consolidation effort to start reining in the various geospatial front-ends that have been developed over the last several years. The goal of this effort is to reduce what is called "The Swivel-Chair Interface" that our users employ when calling up geospatial information from any number of systems and then trying to merge the data together to develop maritime domain awareness.
  - The USCG back-end is built upon ESRI technologies. The Enterprise GIS (EGIS) utilizes ArcGIS Server on the back-end with the ArcGIS Explorer application serving as the user interface on the workstation. In addition, the EGIS serves as the source of much of the Coast Guard base information and feeds other geospatial systems (e.g. SAROPS and IOC/Watchkeeper).
  - SAROPS is the Search and Rescue Optimal Planning System application. It is built using ArcGIS Desktop that is currently deployed on 15 servers throughout the nation. This provides for sufficient load-balancing and data retrieval. This allows our Command Centers to input flare sighting/last known position and by using wind and current information, develop a probability grid that assists in the development of USCG Search Patterns.
  - As a result of lessons learned during the Deepwater Horizon event, USCG is looking at standing up a web-enabled GIS built on Silverlight technology. This will allow those users with less than ideal hardware to still leverage Coast Guard geospatial data. The thin/thick clients tend to have higher hardware requirements which we found is not fully distributed across the USCG landscape.
  - Data USCG can share includes jurisdictional boundaries (USCG Districts, Sectors, Captain of the Port (COTP) Boundaries).

The following are presentations that were made during the meeting. All presentations and handouts will be available on the MBWG website (<http://www.csc.noaa.gov/mbwg>)

- California Ocean Use Atlas Mapping Tool
  - Presented by Robby Wilson (NOAA SPO) and Mimi D'Iorio (NOAA MPA Science Center)

- Newly Designed MBWG Website and MarineCadastre.gov
  - Presented by Adam Bode, NOAA Coastal Services Center
  
- National Boundary Related Mapping
  - Coastal and Marine Spatial Planning / National Ocean Council Overview - Presented by Christine Taylor, BOEMRE
  - IWG-OCM Report - Presented by Christine Taylor, BOEMRE

### **Action Items**

- Distribute revamped Marine Boundary Working Group website for comments and feedback once it has reached a beta stage. (Adam Bode)
- Update USFWS National Wildlife Refuges in the Multipurpose Marine Cadastre to include Pacific Refuge boundaries (NOAA CSC)
- Distribute presentation materials on the MPA Science Centers' California Ocean Use Atlas mapping tool. (Adam Bode)
- Send all presentations and handouts to Adam Bode to publish on MBWG website (Christine Taylor)

**FGDC Marine Boundary Working Group Meeting**  
**Tuesday, December 15, 2009**  
**U.S. Fish and Wildlife Service**  
**4501 North Fairfax Drive, Room 2072**  
**Arlington, VA**

Agenda

- 9:00 Coffee and bagels
- 9:15 Welcome and introductions
- Introductions
  - Agenda review
  - FGDC changes
- 9:45 Updates from Agencies and Committees
- MMS
  - NOAA (CSC, OCS, NMFS)
  - FERC
  - USGS
  - USFWS
  - Navy
  - EPA
  - USCG
- 11:30 Coastal Barrier Resources System Map Modernization – Martin Kodis, Katie Niemi
- 12:00 Lunch
- 1:15 The Nature Conservancy Ecoregional Assessment s– Zach Ferdana
- 2:15 Multipurpose Marine Cadastre Presentation – David Stein, Adam Bode, Christine Taylor
- Overview
  - Project progress
  - Group discussion
- 3:00 Wrap up; open discussion
- 3:30 Action items and next meeting