

MBWG Meeting
U.S. Fish and Wildlife Service
Arlington, VA
December 15, 2009

In Attendance

<u>Name</u>	<u>Organization</u>	<u>Email</u>
Christine Taylor	Mineral Management Service	christine.taylor@mms.gov
Cindy Fowler	NOAA Coastal Services Center	cindy.fowler@noaa.gov
Adam Bode	NOAA Coastal Services Center	adam.bode@noaa.gov
David Stein	NOAA Coastal Services Center	dave.stein@noaa.gov
Donald Campbell	FCC	Donald.Campbell@fcc.gov
Doug Vandegraft	US Fish and Wildlife Service	doug.vandegraft@fws.gov
Mike Onzay	NOAA NMFS	mike.onzay@noaa.gov
Terra Lederhouse	NOAA NMFS	terra.lederhouse@noaa.gov
Craig Alvord	EPA	alvord.craig@epa.gov
Matt Arsenault	USGS	marsenault@usgs.gov
Steve Schwartz	Minerals Management Service	steven.schwartz@mms.gov
Robin Brake	Navy	robin.brake@navy.mil
Susan Russell-Robinson	USGS	srussell@usgs.gov
Dan Kelly	The Nature Conservancy	dkelly@tnc.org
Zach Ferdana	The Nature Conservancy	zferdana@tnc.org
Chris Bruce	The Nature Conservancy	cbruce@tnc.org
Katie Niemi	US Fish and Wildlife Service	katie_niemi@fws.gov
Eric Finnen	FERC	eric.finnen@ferc.gov
Chenglin Gan	NOAA OCS	chenglin.gan@noaa.gov
Douglas Nedrich	Minerals Management Service	douglas.nedrich@mms.gov
Brian Van Pay	State Department	vanpaybj@state.gov
Meredith Westington	NOAA OCS	meredith.westington@noaa.gov
Laura Muhs	Navy	laura.muhs@navy.mil
Gary Chappell	U.S. Coast Guard	gary.w.chappell@uscg.mil
<u>On the Phone</u>		
Roger Johnson	NPS	roger_m_johnson@nps.gov
Stephen Bowler	FERC	stephen.bowler@ferc.gov
Tony Lavoie	NOAA Coastal Service Center	tony.lavoie@noaa.gov

Minutes

- FGDC News and MCSD Updates (Tony Lavoie, NOAA)
 - Provided an overview of the Marine and Coastal Spatial Data Subcommittee
 - Provided an update on changes within the FGDC, specifically how the Marine Boundary Working Group would be affected. End result is that the MBWG will continue to meet as a working group as the group is one of the most productive working groups within the FGDC.
- Minerals Management Service (Christine Taylor, MMS)
 - Provided a brief overview of the map products MMS produces and what resources are managed by the MMS.
 - Provided a brief overview on status of renewable energy permit process
 - Provided an overview on the work that MMS has been doing in coordination with NOAA CSC and others on the Multipurpose Marine Cadastre
- NOAA Office of Coast Survey (Meredith Westington, NOAA OCS)
 - 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.
 - Mentioned a project within NOAA Office of Coast Survey Development Lab that is looking to create a single feature database for individual objects from the ENC's.
 - Mentioned the possibility of getting NOAA Coast Survey information on reliability of data from information already added to current charts.
- NOAA NMFS Office of Habitat Protection (Terra Lederhouse, NOAA NMFS)
 - Provided an overview on the work and coordination efforts that she and Mike Onzay (NOAA NMFS) have been working on as it relates to Essential Fish Habitat (EFH) and Habitat Areas of Particular Concern (HAPCs). They are working with all Fisheries regions to better coordinate data sharing and creation.
 - Mike and Terra are working to create a "Fishery Restricted Areas" data set that will include gear restrictions, modification, closures, etc. This data set is currently in review and will eventually be available in the EFH Mapper and NMFS GIS Inventory.
- Federal Energy Regulatory Commission (Stephen Bowler, FERC)
 - Provided an update on the current status of hydrokinetic permitting within state waters
 - Provided an update on the availability of a GIS data layer representing the current, planned, and approved permits. This data layer is currently going through an internal QA/QC process and will be made publicly available following this review.
 - Maps depicting these locations are available through the FERC website. <http://www.ferc.gov/industries/hydropower/indus-act/hydrokinetics.asp>

- U.S. Geological Survey (Susan Russell-Robinson, Matt Arsenault, USGS)
 - Matt provided an overview on the sediment and other seafloor mapping efforts that he is currently associated with.
 - Susan provided an overview of USGS seafloor mapping initiatives on the West Coast and in the Northeast. These included –
 - Cumulative impacts
 - Groundwater interaction/saltwater intrusion
 - Coastal habitat mapping
- U.S. Fish and Wildlife Services' Ocean Activities (Doug Vandergraft, USFWS)
 - A draft opinion from our Solicitor states 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.
 - National Wildlife Refuges are now an active layer on Google Earth. You can find them under the "Parks and Recreation" tab.
 - The NOAA Marine Protected Area Inventory now recognizes 107 National Wildlife Refuges as being MPA's. From a total of 551 National Wildlife Reserves, the FWS classifies 180 as being marine in nature.
 - The FWS has completed a Cadastral Geodatabase and Flex-based ArcServer mapping application (internal), which contains the digitized boundaries and land parcels for the entire National Wildlife Refuge System.
- National Park Service (Roger Johnson, NPS)
 - Provided an overview of the work currently being done to convert all Park Service units to digital format
 - These digital layers will provide a link back to the legal descriptions and all other information available in the document archive
 - Web map services will be available for NPS tracts and boundaries in the near future.
 - All spatial data and information is available from the NPS Data Store.
- Extended Outer Continental Shelf Task Force Update (Brian Van Pay, State Dept)
 - Bathymetric and seismic data collection was conducted in the Arctic this past Summer. This data collection has not been fully completed.
 - Bathymetric data has been collected off both Necker Ridge (Hawaii) and on Mendocino Ridge (California).
 - Bathy data from collection efforts is currently available. Seismic data will be made available for the Arctic by 2013, perhaps sooner.
- Navy (Robin Brake, Marine Corps and Navy)
 - Mentioned that the Navy is actively doing research for EIS efforts for noise and other issues, and these studies include many data sets.
 - Recently completed a 600 sq.mile bathymetric survey off Jacksonville, FL.
 - Provided 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

- Provided information on a variety of groups that may serve as future contacts and members of the MBWG including the Oceanographer of the Navy.
- Environmental Protection Agency (Craig Alvord, EPA)
 - Provided an overview on several efforts within EPA that may serve as starting points for spatial data valuable for Coastal and Marine Spatial Planning. These sources can be located at the following –
 - [EPA ATTAINS](#)
 - [EPA RAD](#)
 - [EPA WATERS](#)
 - [EPA Enviromapper](#)
 - The Point of Contact for EPA Spatial data after early January will be Vince Allen (EPA)
- U.S. Coast Guard (Gary Chappell, USCG)
 - Provided an overview of the boundary related data available from the U.S. Coast Guard. These data layers include, but are not limited to –
 - USCG Automated Information System (AIS) vessel tracking data
 - Real-time aid to navigation
 - CG districts, regions, and operating areas are currently available on geodata.gov
 - AIS and LRIT data is available in raw format from the past 90 days and is available for previous years as requested.
- Federal Communications Commission (Donald Cambell)
 - FCC is working on determining eh seaward jurisdiction of counties so that they can determine which county jurisdiction should respond to issues that occur on the water.

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>)

- USFWS Coastal Barrier Resources (CBRA) System Map Modernization
 - Presented by Katie Niemi, National Coordinator of CBRA
- The Nature Conservancy Ecoregional Assessment
 - Presented by Zach Ferdana, TNC Global Marine Initiative
- Multipurpose Marine Cadastre
 - Presented by Christine Taylor (MMS), David Stein (NOAA CSC), and Adam Bode (NOAA CSC)

Action Items

- Need to work on FGDC MBWG FY10 Work Plan (Tony Lavoi, Cindy Fowler, David Stein, Christine Taylor)

- Review/Comment on A-16 dataset spreadsheet (Cindy Fowler, David Stein, Christine Taylor, Doug Vandegraft)
- Investigate and include Large Marine Ecoregions (LMEs) into Multipurpose Marine Cadastre (NOAA CSC)
- Include Enabling Legislation or pertinent laws for each layer (what the layer is and what it isn't) on data sheets for MMC.
- Investigate data from Extended OCS Task Force efforts (bathy, seismic) (State Dept., USGS, NOAA CSC)
- Identify a representative from Navy Oceanography and other groups within Navy to include in next MBWG meeting (Navy)
- Identify contact within USACE to discuss integrating permitting efforts with MMS (Navy, MMS)
- Send all presentations and handouts to Adam Bode to publish on MBWG website (Zach Ferdana, Terra Lederhouse, CSC/MMS, Doug Vandegraft, Katie Niemi)
- Investigate data sources for undersea cables and other undersea features (USCG)
- Send Transportation Bureau contact information to CSC/MMS as it relates to undersea features (Gary Chappell, USCG)
- Navy will identify and send Maritime Domain Awareness contact information (Robin Brack, Navy)

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