

Tri-Office Collaborations

Hydrographic Services
Review Panel (HSRP)

Tampa, Florida

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HYDROGRAPHIC SERVICES REVIEW PANEL



FY08 Joint Collaborations

Research and Development

- Surveying on the Ellipsoid
- Acquire and test GPS water level buoy
 - Supports NOAA Hydrographic Survey Program and other activities

Models & Tools

- VDatum Transformation Tool
 - Provide to the public via the Web for specific estuaries, bays, harbors, open and coastal areas (i.e. Great Lakes, Southern CA)
- MAPTITE – Marsh Restoration Planning Tool

Outreach

- PORTS 101



FY08 Joint Collaborations

Leveraging Operational Resources through IOCM – Integrated Ocean and Coastal Mapping

- Hydropalooza - 2 year pilot effort in Kachemak Bay, Ak
- NOAA ships - FAIRWEATHER and RAINIER
- NOAA Aircraft - Citation
- Data collected:
 - hydrographic survey
 - shoreline imagery
 - Topography
 - Gravity
 - Contaminant sampling.
- Products:
 - Bathymetric maps
 - Updated nautical charts
 - Topographic maps
 - Updated Geoid model
 - Habitat maps
 - Temporal and spatial data to support oceanographic research and models.
- Project includes federal, state, tribal, and local partners as well as NOAA Partners: OCS, NCCOS, NGS, CO-OPS, OR&R, KBNERR, OMAO



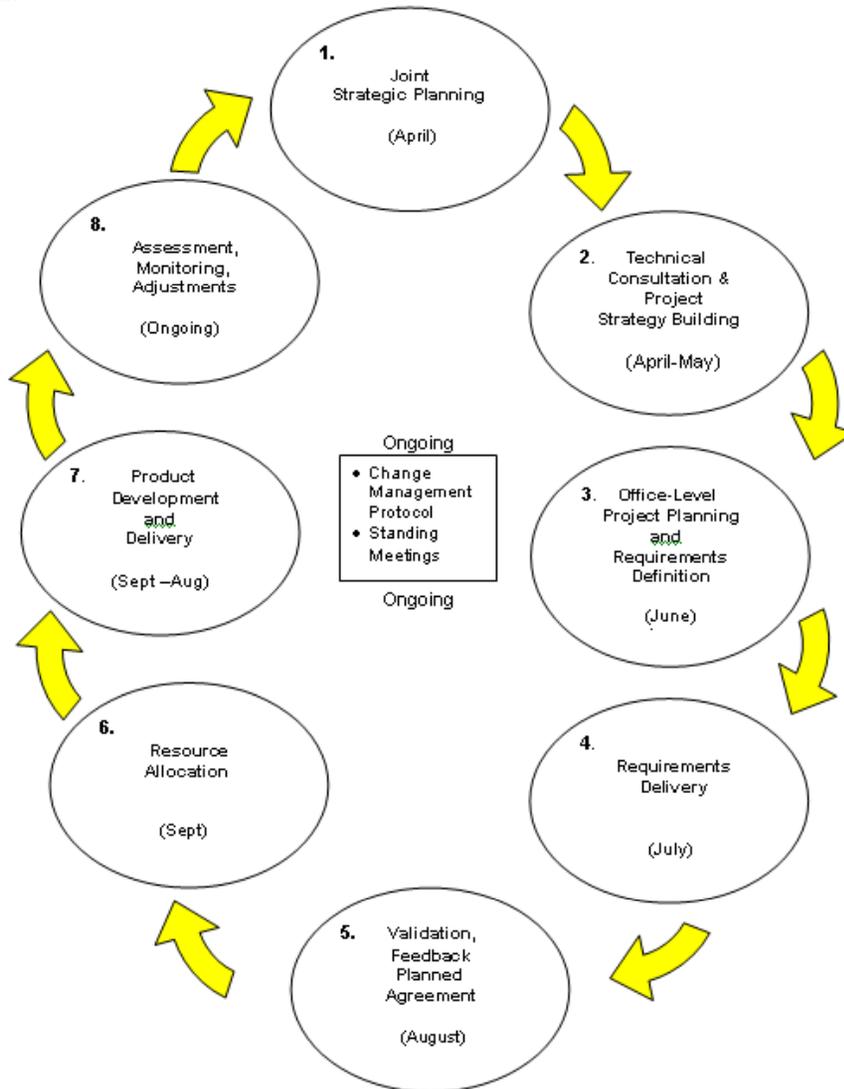
2008 Tri-Office Leadership & Management Collaborations

- OCS/CO-OPS/NGS Directors and Deputies Monthly Meetings
 - VDatum Actions
 - Teams created: Integrated Planning Team, R&D, Contracting, International
 - Dedicated staff from each office to support monthly meetings, keep tabs on action items and support collaboration needs:
 - Creation of share site for Tri-Offices to use
 - Standardized Project Request Template
- Facilitated Meetings:
 1. Integration Meeting
 2. Tri-Office Strategic Planning Meeting
 3. All Hands/Roll-out Meeting (Dec 1)





Updated 5/28/08



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New Integrated System of Planning and Shared Mission Execution



Common Goals & Milestones

AOP FY09 Joint Milestones

Milestones to be reported to NOS

- Perform first operational test and evaluation of GPS water level buoy (CO-OPS/OCS/NGS) - Q4
- Continue development and implementation of the IOCM Coastal Mapping Projects through NOS Remote Sensing Working Group by completing five projects with IOCM partners (NGS/CSC/OCS/CO-OPS/OCRM ERD) - Q4
- Expand VDatum to New Orleans and the Pacific Northwest (NGS/CO-OPS/OCS) – Q2, Q4
- Conduct 2 intra-NOAA tidal and geodetic training workshops (NGS/CO-OPS) - Q4



Common Goals & Milestones

Internal Milestones

- Determine the accuracy of a GPS buoy for determining water levels by comparing against current NOAA tide standards (NGS/CO-OPS/OCS) - Q4
- Develop and make public a collaborative NGS and CO-OPS website: tidesandheights.noaa.gov (NGS/CO-OPS) – Q3



Major Challenges

- Raise awareness-demonstrate relevance of Programs w.r.t Climate
- Lack of infrastructure and resources to raise awareness
- Insufficient staff, training, tools and technology
- Identification of combined requirements w.r.t IOCM



Back-Up Slides

HYDROGRAPHIC SERVICES REVIEW PANEL



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2008 Tri-Office Leadership & Management Improvements

- **Integrated Meeting**
 - Agreed on Standard Project Request Template which all three offices will use to request action/resources from each other
- **Tri-Office Strategic Planning Meeting**
 - Discuss cross-links in each offices' Strategic Plans and prioritize areas to collaborate
 - Created cross-office teams to discuss and collaborate on:
 - Climate Change
 - IOCM
 - Rapid Response
 - Cross-Office Communications and Coordination



Future Joint Activities

- **Near Term – Climate Team**

- Work with CSC on “Digital Coast” ’09 Pilot on inundation models for climate change (seamless bathy/topo model that uses all our data and tools)
- Demonstrate spatial infrastructure design and IOCM partnerships at Grand Bay and Weeks Bay NERRS sites for climate change modeling/community resilience
- Hold a joint training workshops at CZ ’09 and internal NOAA conferences
- Incorporate coastal inundation and visualization products into existing projects
- Identify partnerships with IOOS, RAs, regional teams, NERRS CTP, Sea Grant extension, Spatial Reference Centers and explore value-added efforts



Future Joint Activities

- **Near Term – IOCM Team**

- Hold yearly workshop
- Engage NOAA regional teams
- Bring projects to mutual awareness and look for multi-use opportunities
- Ensure proposals address acquisition and processing
- Engage Goal Team Leads

- **Near Term – Rapid Response Team**

- Improve local coordination of logistics/food/lodging/fuel/access
- Encourage staff sharing pre/during response
- Identify critical components of response
- Hold pre-meetings to improve communication
- Conduct post-response compilation of effort (cost/time) between offices
- Joint report out to ICC



Future Joint Activities

- **Near Term – Communication & Collaboration Team**
 - Monthly Leadership Meetings
 - Monthly Team Meetings
 - Quarterly Milestone Discussions
 - Joint Planning Activities
 - Joint News Releases
 - Joint Training Events



Future Joint Activities

- **Long Term – Climate**
 - Measure of “True” Sea Level Rise in coastal regions
 - Co-locate CORS & tide stations
 - CORS and tide stations on platforms in the Gulf
 - Operational VDatum program
- **Long Term – IOCM**
 - Implement planning process beyond ad-hoc projects
 - Conduct combined NOAA and external partner projects (state, regional projects)
 - Dedicated resources for: tide stations, system validation etc.



Future Joint Activities

- **Long Term – Rapid Response**
 - Build capabilities up front (plan in PPBES)
 - Post response compilation of effort (cost/time)
 - Building robust infrastructure (COOPS/GAGES) -Co locate CORS with NWLON stations
 - Continental US regional NRT presence
 - Maintain corporate knowledge to train up
 - Build the rapid response protocols between the 3 offices
- **Long Term – Communication & Coordination**
 - Joint Database & Web Services
 - Strategic Plan of Common Goals

