



Access to Water Resource Data to Support Watershed Management

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Section 2017

- Provide public access to water resources and related water quality data in the custody of USACE
 - Include section 404 of the Federal Water Pollution Control Act
 - Appropriately employ geographic information system technology and linkages to water resource models and analytical techniques
- Authorizes 3M annually
- Received 472K in FY10
- In the FY11 Budget for 750K

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Scope and Team

- Regulatory – Permits issued under the authority of Section 404, the Clean Water Act (Issued and Denied Permits)
 - Meg Gaffney-Smith and Jon Soderberg, Regulatory
- Water Control at Projects
 - Jerry Web/John Hunter with support from ERDC CRREL and HEC
- Water Quality at Projects/Studies
 - Dave Shepp with support from ERDC EL and ERDC CRREL

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Regulatory

- Develop public access to electronic permit data
 - Issued permits
 - Wetland delineations and Jurisdictional determinations
 - National web portal to regulatory data
- Develop public access to permit documents
 - Document scanning and archiving protocol
 - National standards on document management
- Mapping
 - Use of CorpsMap 2 Public interface
- Funds
 - To date all efforts have been funded from the regulatory appropriation

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Regulatory

Available Permit Decision Reports

Permit decisions made for each regulatory district along with jurisdictional determination, impact and mitigation data is available since January 1, 2007.

Report Name	Description
Permits	View permit decisions made for each regulatory district.
Jurisdictional Determinations	View jurisdictional determinations for each regulatory district.
Impacts	View wetland impacts for each regulatory district.
Mitigation	View required mitigation for each regulatory district.
Processing Time Chart	View average processing time statistics by year and type.
Statistics	View general and individual permit statistics by year and type.
Statistics Chart	View general and individual permit charts by year and type.

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Regulatory

Rows

Reports Menu

- District = 'New Orleans'
- Permit Name Number = 'NOD-20 - Emergency Operaitons'
- Permit Type = 'RGP'
- Project Name contains 'BP'

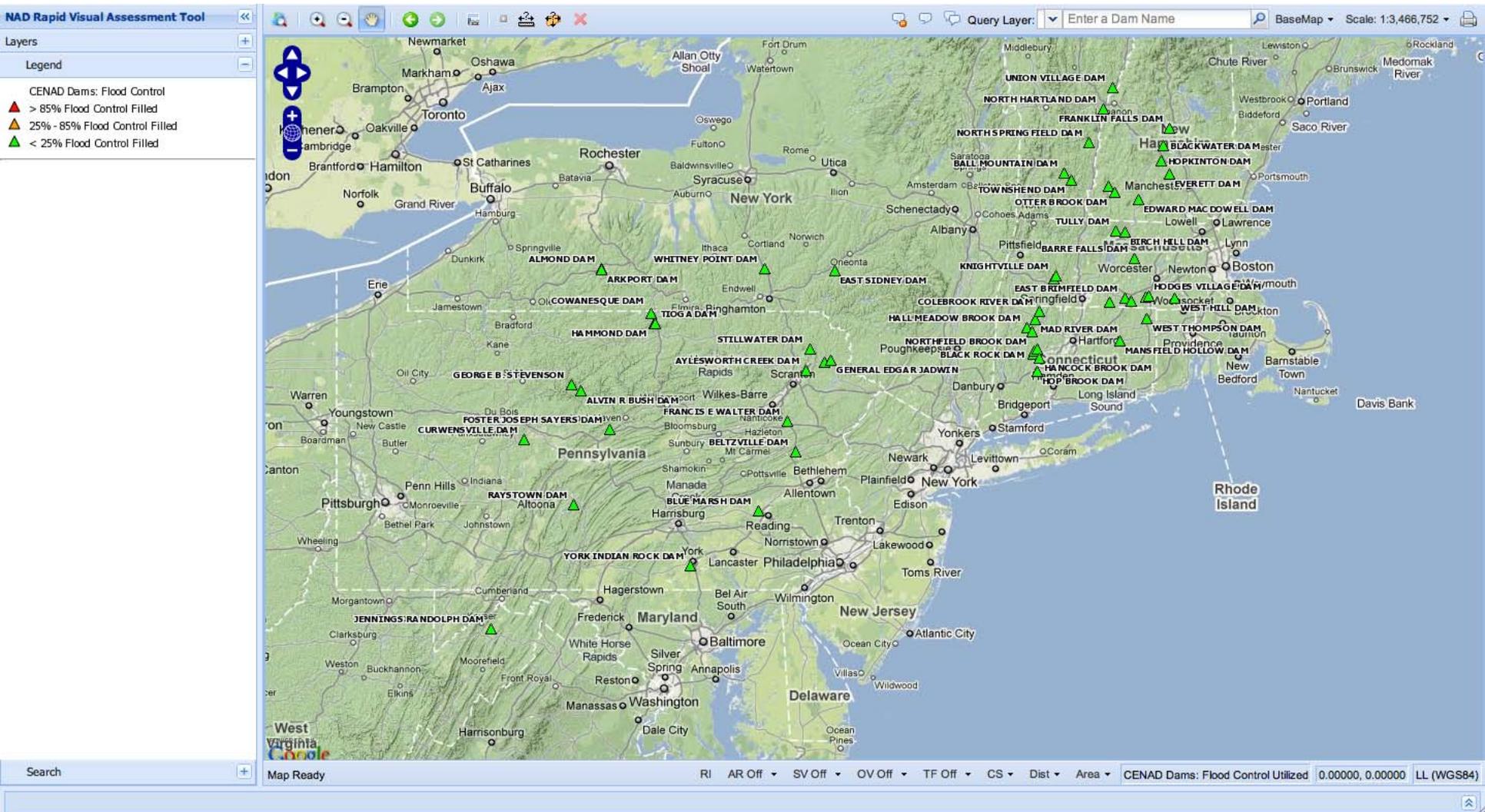
District	File Number	County	State	Project Name	Permit Type	Permit Name Number	Action Taken	Date Of Action	Map
New Orleans	MVN-2010-01038	St. Bernard	LA	BP Oil Spill - LANG - Pier on MRGO to Unload Oil Spill Booms - St Bernard	RGP	NOD-20 - Emergency Operaitons	Issued With Special Conditions	06-MAY-2010	
New Orleans	MVN-2010-01039	-	-	BP Oil Spill - LADWF - Install Concrete Fill to Close Gaps on Elmers Island - Jefferson	RGP	NOD-20 - Emergency Operaitons	Issued With Special Conditions	07-MAY-2010	-
New Orleans	MVN-2010-01098-EFF	Plaquemines	LA	BP Oil Spill - Plaquemines - Sandbag Operation at Pelican and Scofield Islands	RGP	NOD-20 - Emergency Operaitons	Issued With Special Conditions	14-MAY-2010	
New Orleans	MVN-2010-01041-WB	Lafourche	LA	BP Oil Spill - Lafourche Parish Government - Sand bags along Fourchon Beach between Parish Line & LA Hwy 3090; EUA 10-036 - Lafourche/Jefferson	RGP	NOD-20 - Emergency Operaitons	Issued With Special Conditions	11-MAY-2010	
New Orleans	MVN-2010-01066-ETT	Plaquemines	LA	BP Oil Spill - State of Louisiana - Barrier Island Restoration Project - Jefferson, Plaquemines, St Bernard	RGP	NOD-20 - Emergency Operaitons	Issued With Special Conditions	12-MAY-2010	

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North Atlantic Division Reservoir Status – Real time



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USGS Streamgages

Test Map - Mozilla Firefox

File Edit View History Bookmarks Tools Help

https://maps.crrel.usace.army.mil/apex/cm2.cm2_test2.map?map=rmtest&p_MapExt=-98.70718,43.01017,-98.48093,43.133061&p_layers=nid_dams_coe,cwms_elev&p_b...

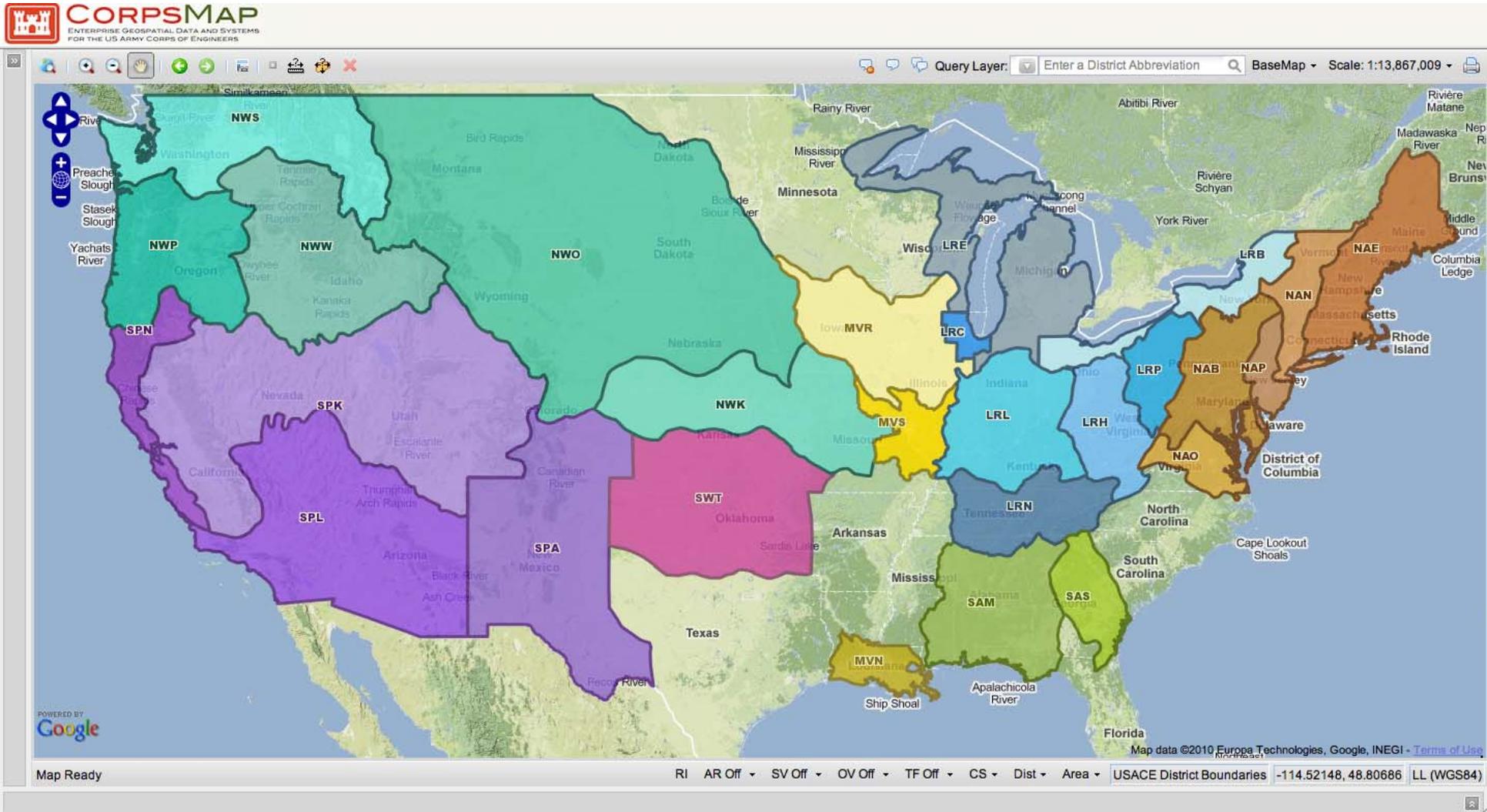
CorpsMap Development

Layers

- Legend
- USGS Streamgages
- ▲ ≤ 74th Percentile
- ▼ 75th - 89th Percentile
- ▼ ≥ 90th Percentile
- Not Ranked



Districts currently feeding data to CPC CWMS



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ENTERPRISE GIS FY10 (2nd Quarter) Milestones

- All Districts have met Milestone
- At least 50% of Districts have met Milestone
- Less than 50% of Districts have met Milestone

Indicates Change from Previous Quarter

Metrics	LRD	MVD	NAD	SAD	SWD	POD	SPD	NWD
1) Data Management Plans for FY10 Projects						↓	↑	↑
2) Five Year Plans Delivered to HQ (2 nd and 4 th quarters)					↓			
3) 100% Districts Have a Trained BIM Manager		MVM MVP						
4) Levee Data Delivered/Accepted into the Levee Database		MVM ↓	NAB ↓					↑
5) Review Vertical Datum on all Projects & Initiate Corrective Action							↑	
6) Water Control Data Available in CorpsMap (75% of Districts)			↑	↓	↓		↑	



Water Quality Slide

- Dealing with 2 types of Water Quality Data
 - Real-time water quality data available via telemetry that will probably be managed within Corps Water Management System (CWMS)
 - Water quality data associated with grab samples and datasondes that needs to be linked with EPA's WQX system
- Developed a Water Quality Data Management Implementation Plan
 - Propose 3 test bed implementations
 - Northwestern Division-Columbia River Basin
 - Nashville District
 - Rock Island District
 - Planning for a Water Quality Data Implementation Technical Design Workshop

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