

Building a Distributed Spatial Capacity for the Gulf of Maine

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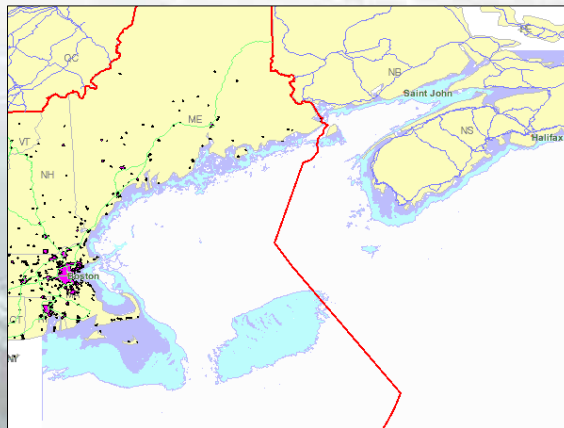
Introduction to DM Solutions Group

- World's Leading Developer and Implementer of Open Source Spatial Technologies
- Primary Developer of the University of Minnesota MapServer Technology
- Member of the Open Geospatial Consortium (OGC) since 2003
- Active Industry Participant in the Canadian Geospatial Data Infrastructure (CGDI)
- Established in 1998 - In operation for over 6 years

Building a Spatial Infrastructure in the Gulf of Maine

- Project Goal - To enable the stakeholders in the Gulf of Maine Region to share data and make it easily discoverable and accessible for future use.
- Project timeframe - One year (September 2003 to August 2004)

The Goal



Project Partners

- Project leads:
 - Canada - DM Solutions Group
 - US - Gulf of Maine Ocean Observing System (GoMOOS) and Me3
- Funding Partners:
 - Canada - GeoConnections
 - US - Federal Geographic Data Committee (FGDC)

Project Partners (cont'd)

- Data Partners:
 - Bedford Institute of Oceanography
 - Canadian Hydrographic Service
 - Census of Marine Life
 - Geological Survey of Canada
 - Gulf of Maine Mapping Initiative
 - Massachusetts Office of Coastal Zone Management
 - Massachusetts Geographic Information System

Project Partners (cont'd)

➤ Data Partners (cont'd):

- NOAA Coastal Services Center
- NOAA Northeast Fisheries Science Center
- University of New Hampshire Institute for the Study of Earth, Oceans and Space
- United States Geological Survey - Woods Hole Field Center

Diverse Partners with a Common Goal

Diversity:

- Organizations represent Federal and Provincial/State Governments, Universities and NGOs
- Diversity of Data types
- Diversity of Software Platforms

Common Goal:

- Make all data seamlessly accessible to end users

GoMMap - Developed on Open Standards

- All partners published data to OGC specifications in Software of their Choice WITHOUT modifications to their datasets.
- The Gulf of Maine Mapping Portal (GoMMap) provides an access point to all data sources for users.
- GoMMap provides information and tools for future stakeholders to publish data to OGC and to GoMMap.
- Stakeholders can easily develop applications leveraging the infrastructure without downloading data or installing software.

GoMMap - Next Steps

- Formation of the Gulf of Maine Data Partnership - a Memorandum of Understanding among Gulf of Maine Stakeholders to share data leveraging open standards.
- Implementation of the GoMMap Solution for other communities and jurisdictions such as the Integrated Ocean Observing System - including the Great Lakes Observing System (GLOS).
- Ongoing enhancements such as the OGC Publisher and feature enhancements to provide a richer and easier to deploy solution.

Thank you!

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