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USACE EGIS WORKSHOP MSC Presentation

Great Lakes & Ohio River Division

Buffalo District

Chicago District

Huntington District

29 Jul 2008

1



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LRD Agenda

- Success Stories
 - Buffalo District
 - Chicago District
 - Huntington District
- Challenges
- Districts' eGIS Visions

2



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Buffalo District Success



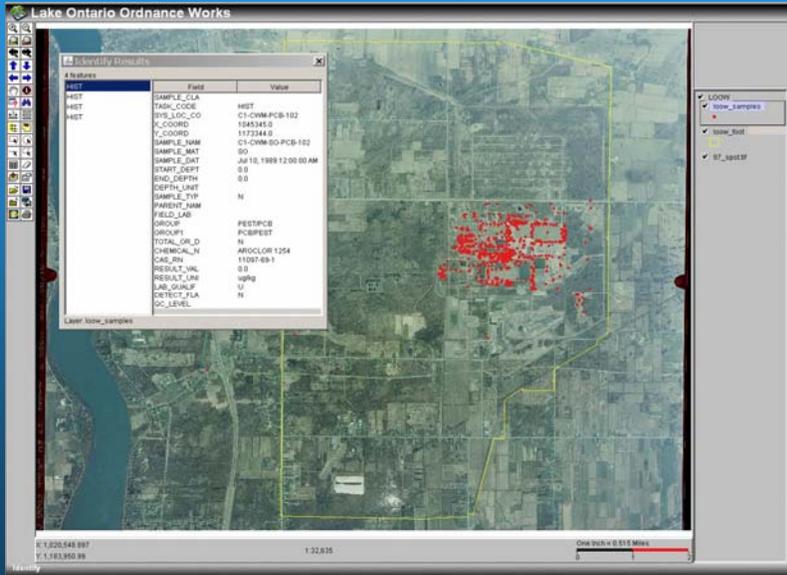
- **GIS Coordinator:** Paul Murawski
- **Application:** Web Mapping
- **Description:** ArcIMS Intranet web mapping for several District projects. Allows District personnel with little GIS experience to create simple maps and maintain data consistency.
- **Success Factors:** Acceptance by PDT members sparked interest of other PDTs for use on their projects.

3



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Buffalo District Success



4



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Chicago District Success



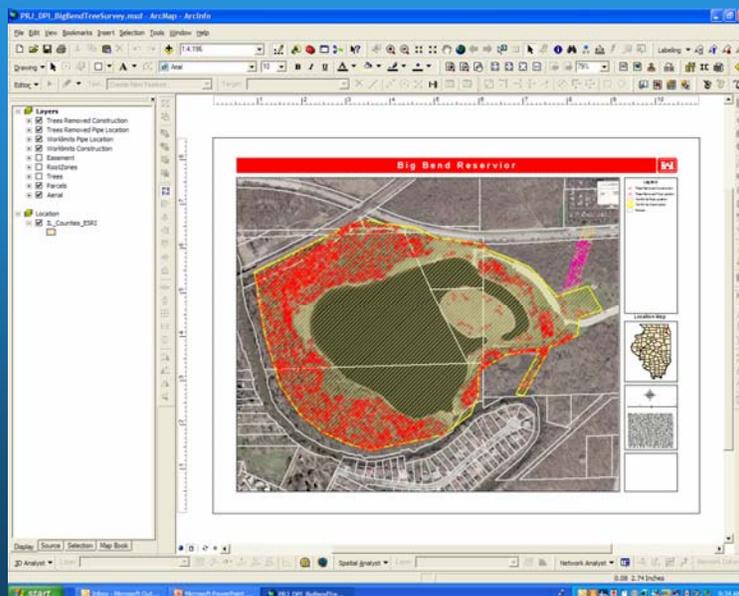
- **GIS Coordinator:** J.D. Ennis
- **Application:** Web Mapping
- **Description:** Performed an analysis on tree impacts for a construction site using ArcMap.
- **Success Factors:** Posted the results using ArcServer to Webpage so PDT could review results.

5



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Chicago District ArcMap



6

Chicago District ArcCatalog

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7

Chicago District Web Page Application

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8



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Huntington District Success



- **GIS Coordinator:** Jim Vassar
- **Application:** District Data Catalog
- **Description:** FGDC Metadata-driven catalog of file server shares accessed through three user interfaces:
 - Web page menu
 - ArcCatalog folder connection
 - ArcIMS Metadata Service
- **Success Factors:**
 - Leveraged IT logic previously used for CADD
 - Documented in an Implementation Plan

[\\LRH-GIS-NT.lrh.usace.army.mil/gis/H1ZZZ20071231UFB000/metadata/CELRH_eGIS_000_Metadata_Phase_I_IP.pdf](http://LRH-GIS-NT.lrh.usace.army.mil/gis/H1ZZZ20071231UFB000/metadata/CELRH_eGIS_000_Metadata_Phase_I_IP.pdf)

 - Serves data to ArcIMS Image Services
 - District geospatial data producers use it

9



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Huntington District Data Catalog



- Web page menu

GDMS - Atwood Lake 1983 Orthophoto Mapping - Monumentation and Boundary Survey - TIFF

US ARMY CORPS OF ENGINEERS - HUNTINGTON DISTRICT - GIS
Geographic Information Systems

GDMS Menu | EC Office Web Pages | POC

CAD Website
ProjectWise Website
GIS Website
GDMS Menu
GIS Standards
E.O. 12906
NSDI Guidelines
GIS Software
GIS Technical Info
GIS Training
Military/Gov Sites
Time Recording (TRJ)
GDAS Helpdesk
GIS POC Info

GDMS - Atwood Lake 1983 Orthophoto Mapping - Monumentation and Boundary Survey - TIFF

Browse Data Set

database | imagery.tif | metadata
misc | surfaces | vector
metadata.xml
XML Document
4.93

For More Information Contact: Jim Vassar - (304) 399-5208
Page Last Updated: July 22, 2008

10

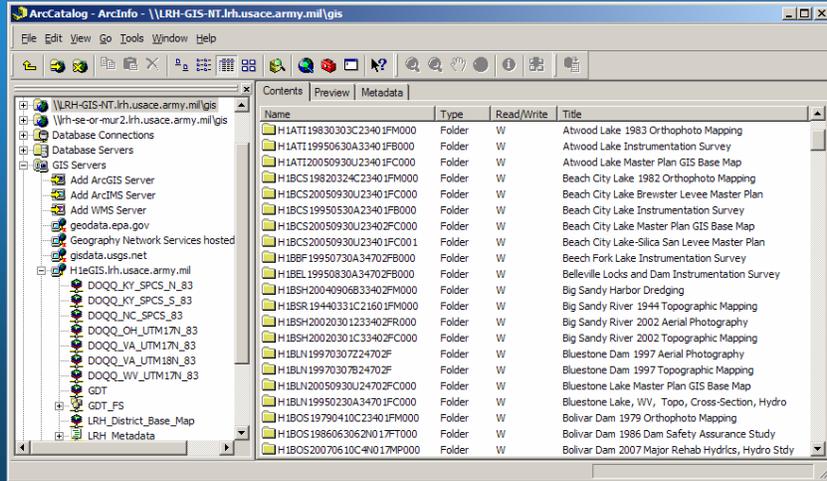


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Huntington District Data Catalog



- ArcCatalog folder connection



11

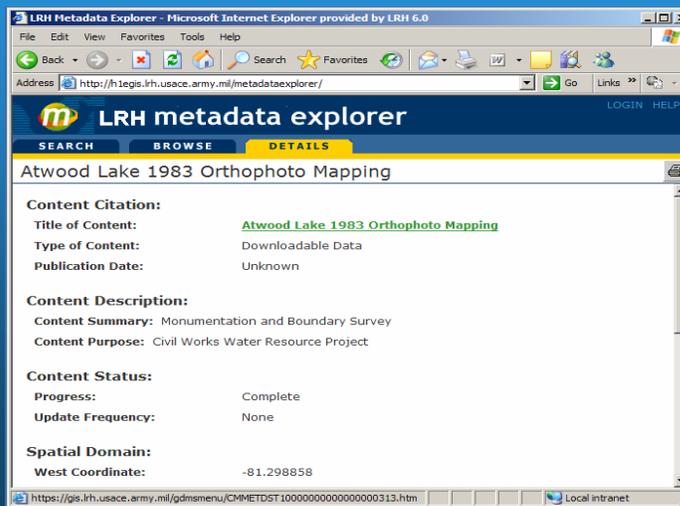


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Huntington District Data Catalog



- ArcIMS Metadata Service

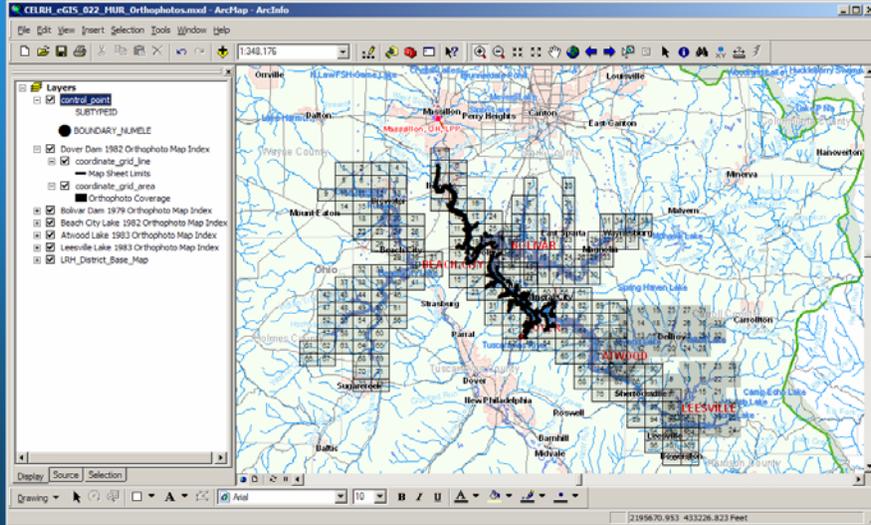


12



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Huntington District Data Catalog District geospatial data producers use it



13



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Biggest Challenges to Districts' eGIS



- Bandwidth
- Time
- Data management
- Consistent funding stream
- Slowly gaining support for GIS

14



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Districts' eGIS Visions



- **Buffalo District:** To fully integrate geospatial technology into the District's business practices tailored to corporate needs, enabling better customer care and more efficient production.
- **Chicago District:** Develop and implement an eGIS environment to deliver spatial information products, services, and standard datasets to all District Branches and regional business processes.
- **Huntington District:** Integrate AEC and geospatial information systems infrastructure to deliver digital design products, spatial information products, services and standard datasets to all functional elements and business processes of the organization.

15