Channel Stewardship:

The Ultimate Portal Collaborative Effort

Gary Hennington
Craig P. Orgeron, Ph.D.
ESRI International User Conference

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The Legislation

- HB 861 – 2003 Legislative Session
- Effective coordination of policies, standards and procedures relating to procurement of GIS resources
- Development, operation and maintenance of a delivery system infrastructure for GIS data; shall provide a warehouse for Mississippi's GIS data

Mississippi Digital Earth Model (MDEM)

Geodetic Control

Digital Orthophotography

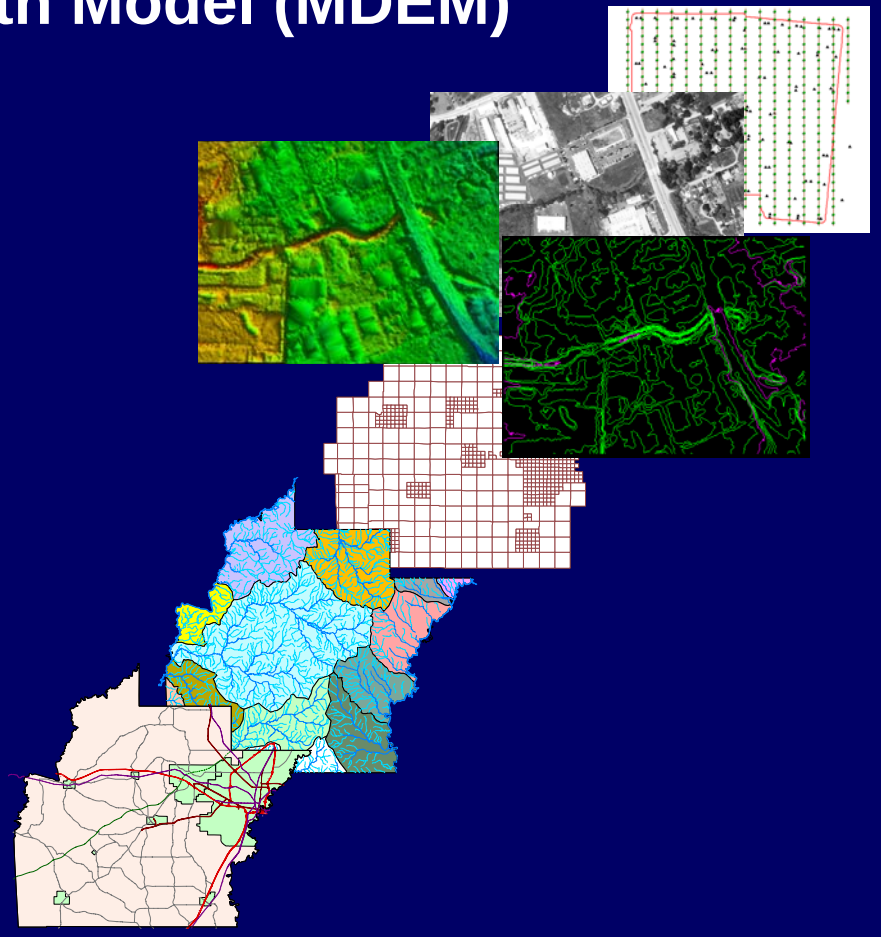
Elevation Models & Contours

Cadastre (Property Ownership)

Hydrography

Transportation

Political Boundary



MS Geospatial Clearinghouse
www.gis.ms.gov

Anonymous Users :

- Search unsecured data
- Browse channels
- Make a map
- Download unsecured data

Self-Registered Users:

- Save maps and searches
- Search unsecured data
- Browse channels
- Make a map
- Download unsecured data

Registered Users:

- All of the above plus access special functions and secured data
- Provide data

User Community

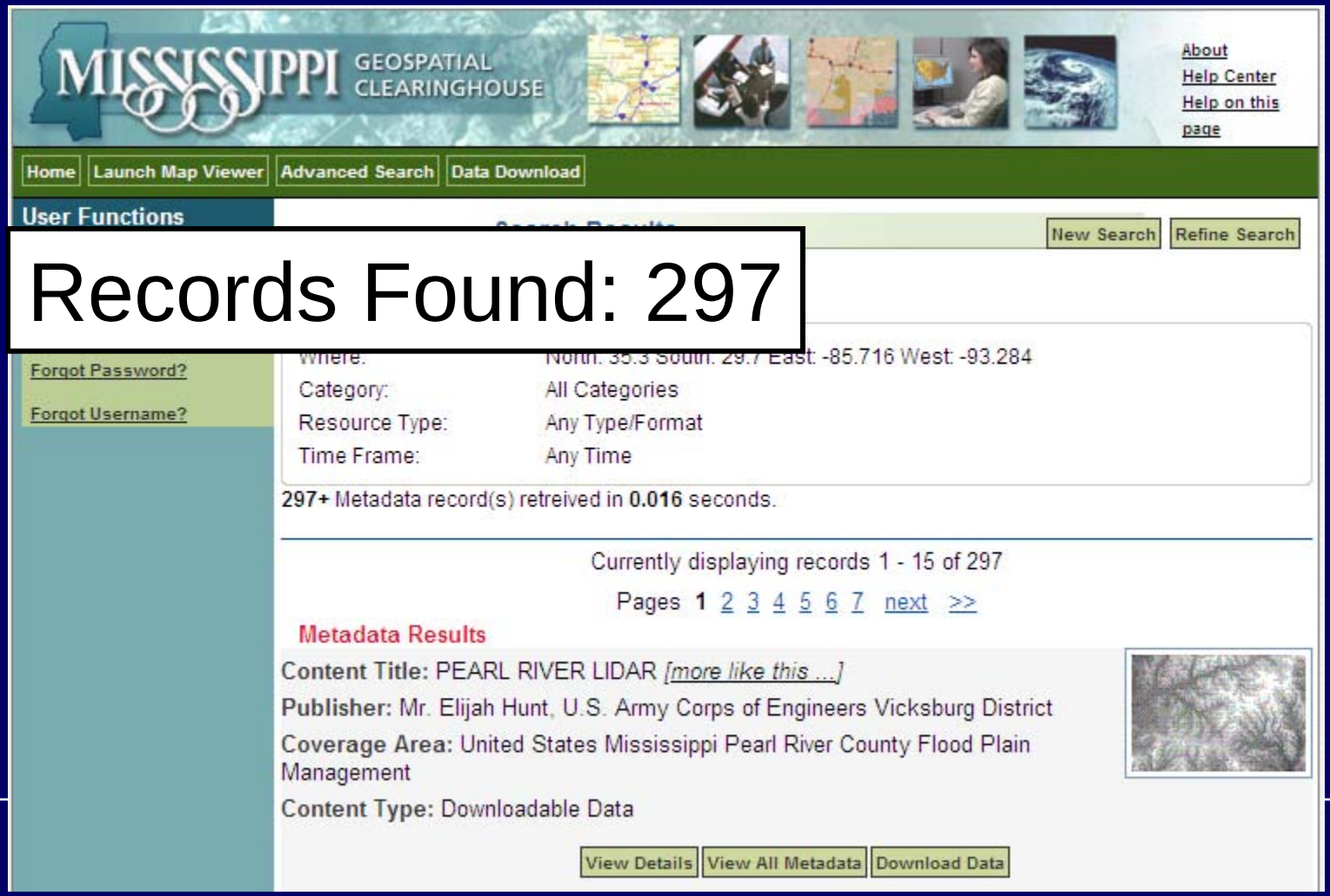
The Mississippi Geospatial Clearinghouse provides data and services to:

- Local governments;
- State and Federal agencies;
- Planning and Development Districts;
- Private entities; and
- Individual citizens.

Channel Organization

- The ESRI Portal Toolkit organizes data by metadata records
- Overwhelming number of metadata records
- New records every month

Channel Organization



Records Found: 297

Channel Goals

- Categorize like metadata into Channels
- Identify Channel Stewards
- Create collaborative groups

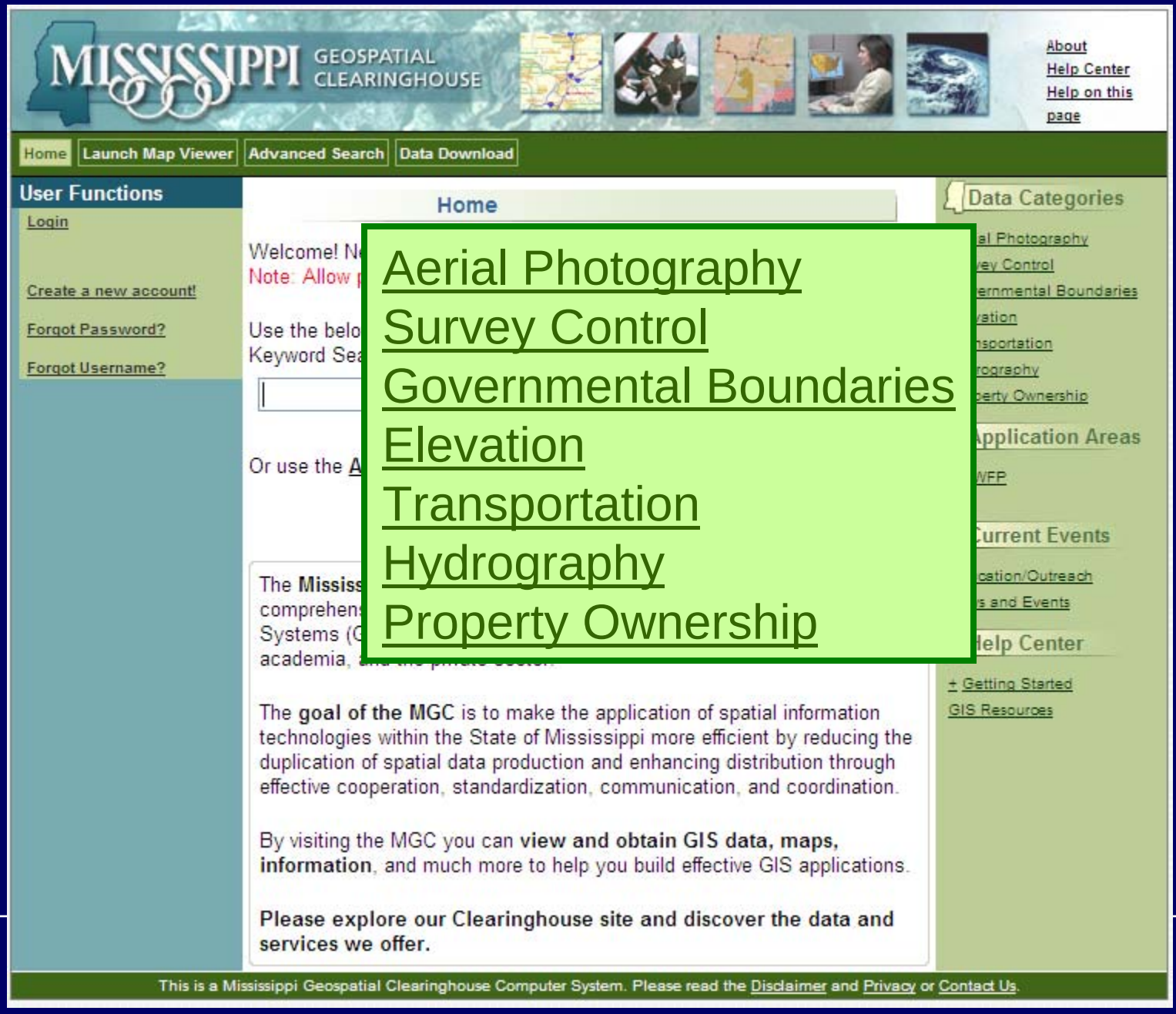
Channel Development

Multiphase Approach

- Phase One - Quickly Organize and Standardize
- Phase Two - Provide a long-term platform for organization

Phase One Design Goals

- Standardized look and feel
- Organize metadata records
- Data Centric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Login
Create a new account!
Forgot Password?
Forgot Username?
Home
Welcome! N
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academia,
The goal of the MGC is to make the application of spatial information technologies within the State of Mississippi more efficient by reducing the duplication of spatial data production and enhancing distribution through effective cooperation, standardization, communication, and coordination.
By visiting the MGC you can view and obtain GIS data, maps, information, and much more to help you build effective GIS applications.
Please explore our Clearinghouse site and discover the data and services we offer.
Data Categories
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Application Areas
WFP
Current Events
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Help Center
+ Getting Started
GIS Resources
Aerial Photography
Survey Control
Governmental Boundaries
Elevation
Transportation
Hydrography
Property Ownership
This is a Mississippi Geospatial Clearinghouse Computer System. Please read the Disclaimer and Privacy or Contact Us.

User Functions

Login

Create a new account!

Forgot Password?

Forgot Username?

Channel: |→Governmental Boundaries

- Interactive Download
- Web Services

Introduction

The Governmental Boundaries Channel lists and describes governmental and jurisdictional boundaries used in the State. Some examples of the types of boundary files include: State boundaries, County boundaries, Municipality boundaries, Congressional Districts, Census Blocks, Zip Code Areas, and National and State Parks.

Some examples of the entities that have jurisdiction over setting and maintaining boundaries are: Mississippi Secretary of State, U.S. Census Bureau, Mississippi Dept. of Wildlife, Fisheries, & Parks, The National Park Service, and The National Forest Service.

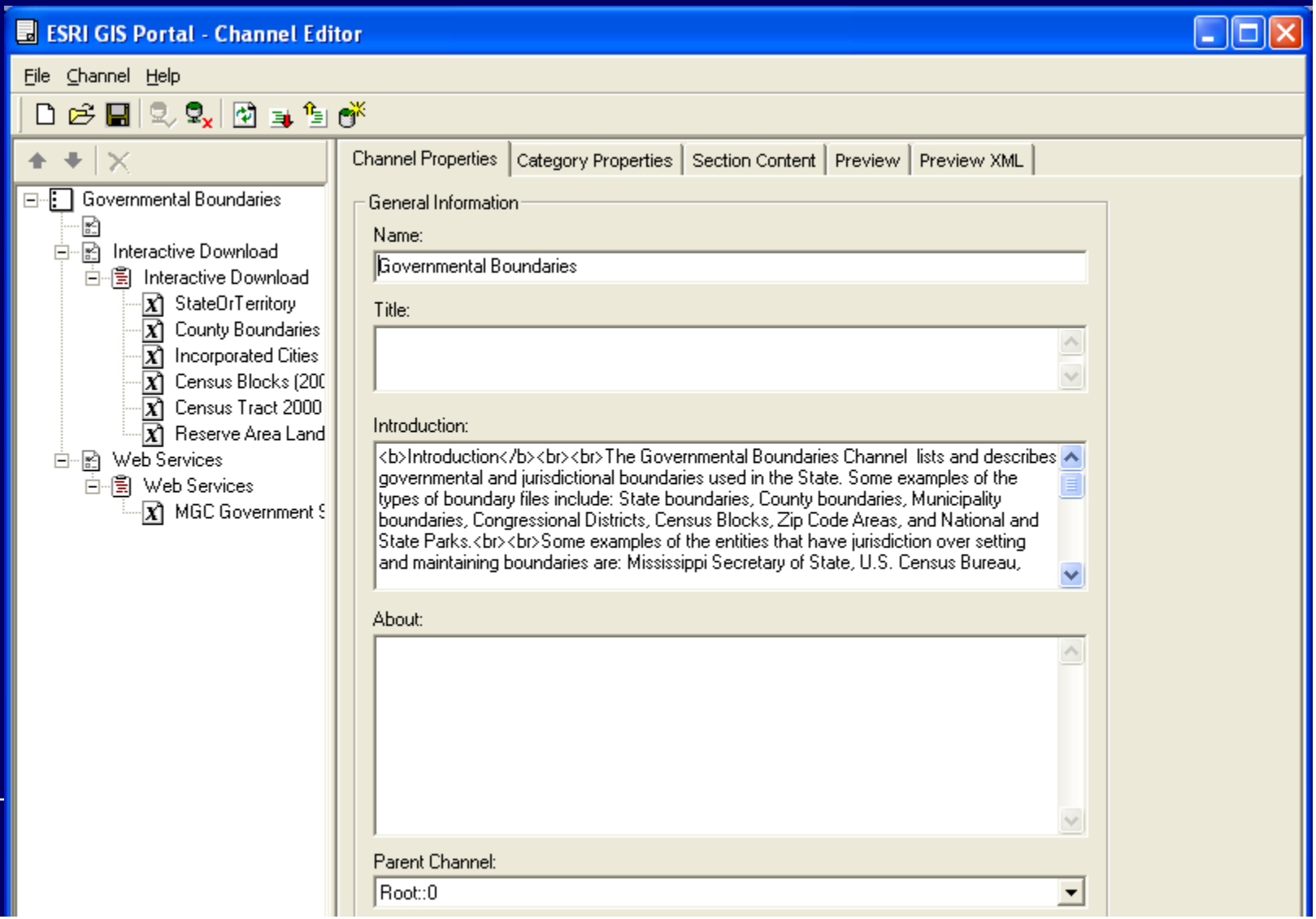
Data Download

The MGC provides the Governmental Boundaries for download using the functionality of the Clearinghouse to select a requested area and define the needed output format. This functionality can be accessed by selecting the Interactive Download link above this text, navigating to the bottom of this page and selecting the "Go To Website" link for the dataset of choice.

Web Services

The MGC currently offers web services of the Governmental Boundaries datasets that can be consumed by certain clients. These web services are Web Map Services (WMS) and follow the Open GIS Consortium (OGC) standards. This functionality can be accessed by selecting the Web Services link above this text, navigating to the bottom of this page and selecting the "View Map" link for the Service of choice. The service will perform best if the map viewer is launched before the service's "View Map" link is selected.

ESRI Channel Editor



Phase Two Goals

- Non-Standardized look and feel
- Meet the needs of the individual community
- Organize metadata records and services
- Identify Channel Stewards
- Establish collaborative groups

Channel Steward Selection

- Subject Matter Experts
- Willingness to participate
- Willingness of Organization to participate
- Ability to “work well with others”
- Available time
- Diversify channels among different parties

Channel Stewards

- Geodetic Control – Mississippi Department of Transportation
- Elevation and Bathymetry – US Army Corps of Engineers
- Orthoimagery – Mississippi Department of Environmental Quality
- Hydrography – Mississippi Automated Resources Information System
- Transportation – Mississippi Department of Transportation
- Government Boundaries – Mississippi Automated Resources Information System
- Cadastral – Mississippi State Tax Commission

Channel Collaboration

- Initial design meeting included the Steward and all relevant stake holders for each channel
- Focus of each Channel was determined
- Complexity of each channel was determined
- Topic discovery

Channel Focus

The focus for each channel was either:

- Data centric for the desktop GIS user; or
- Participation oriented for future stakeholders

Data Centric Focus

- Continue to focus on data distribution
- Provide News and Update notices
- Provide Web Services

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Channel: |→Transportation

Welcome to the Transporation Channel. The Mississippi Department of Transportation is providing stewardship for this channel.

MDOT

INTRODUCTION

The purpose of this channel is to provide visitors to the Clearinghouse information about all transportation map data and services for the State of Mississippi. The different modes of transportation, including road, rail, air and water, are constantly changing and growing. Information about the datasets representing these modes is also constantly being updated. Check out the News and Events section for any new developments, link to maps and services at other locations through the Links section, and get access to existing data though the Downloadable Data section.

Interstates

NEWS AND EVENTS

ONLINE MAPS AND LINKS

Downloadable Data

The transportation datasets below are available for download through the Clearinghouse. For a complete list of all datasets available for download Click Here.

Participation Oriented

Communicate:

- Cost savings through participation
  - Reduce in-office traffic
  - Maps available online
  - Backup and Recovery
  - GIS Conversion Assistance
- Community development through a broader data distribution

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Channel: |→Property Ownership

- Welcome to the Property Ownership Channel. The Mississippi State Tax Commission is providing stewardship for this channel.

Local communities who participate with the Mississippi Geospatial Clearinghouse by providing data and information are starting to experience many benefits. These benefits, which will be realized to different degrees for each community, are listed below.

REDUCE PUBLIC REQUESTS

Local governments are beginning to realize the benefits of providing parcel data to the Clearinghouse. A noticable reduction in data and map requests made to Tax Assessors is one such benefit.

PUBLIC ACCESS FOR COMMUNITY DEVELOPMENT

GIS CONVERSION SUPPORT

DATA DISPLAY AND DISTRIBUTION

ONLINE MAPS

STATUS MAPS

PARTICIPATION

Channel Complexity

- Different levels of complexity determined by Stewards technical ability
- Continued maintenance through the ESRI Channel Editor
- Inclusion of JavaScript for accordion menus
- Animated GIF files easily communicate available data layers

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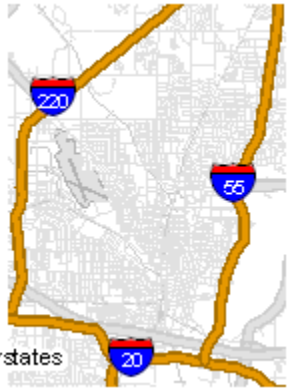

Interstates

NEWS AND EVENTS

ONLINE MAPS AND LINKS

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Topic Discovery

- Channel Meeting was the first time that some stakeholders had met
- Datasets were discussed and shared
- Ongoing and upcoming activities were discussed

Steward Training

- ESRI Channel Editor
- Best Practices
- JavaScript training
- Channel review procedures
  - Interaction with Test Server
  - Approval
  - Update to Production Server

Channel Benefits

- Customized Channels relevant to data categories
- Recognition of a Steward for data categories
- Establishment of discussion groups for data categories

Contact Information

- Gary Hennington
  - The Geospatial Group, a Division of Information Management Systems, Inc.
  - ghennington@thegeospatialgroup.com
- Craig P. Orgeron, Ph.D.
  - Mississippi Department of Information Technology Services
  - orgeron@its.state.ms.us