The Michigan 9-1-1 GIS Repository

Training Webinar

June 7, 2017

9-1-1 GIS GRANT PROJECT

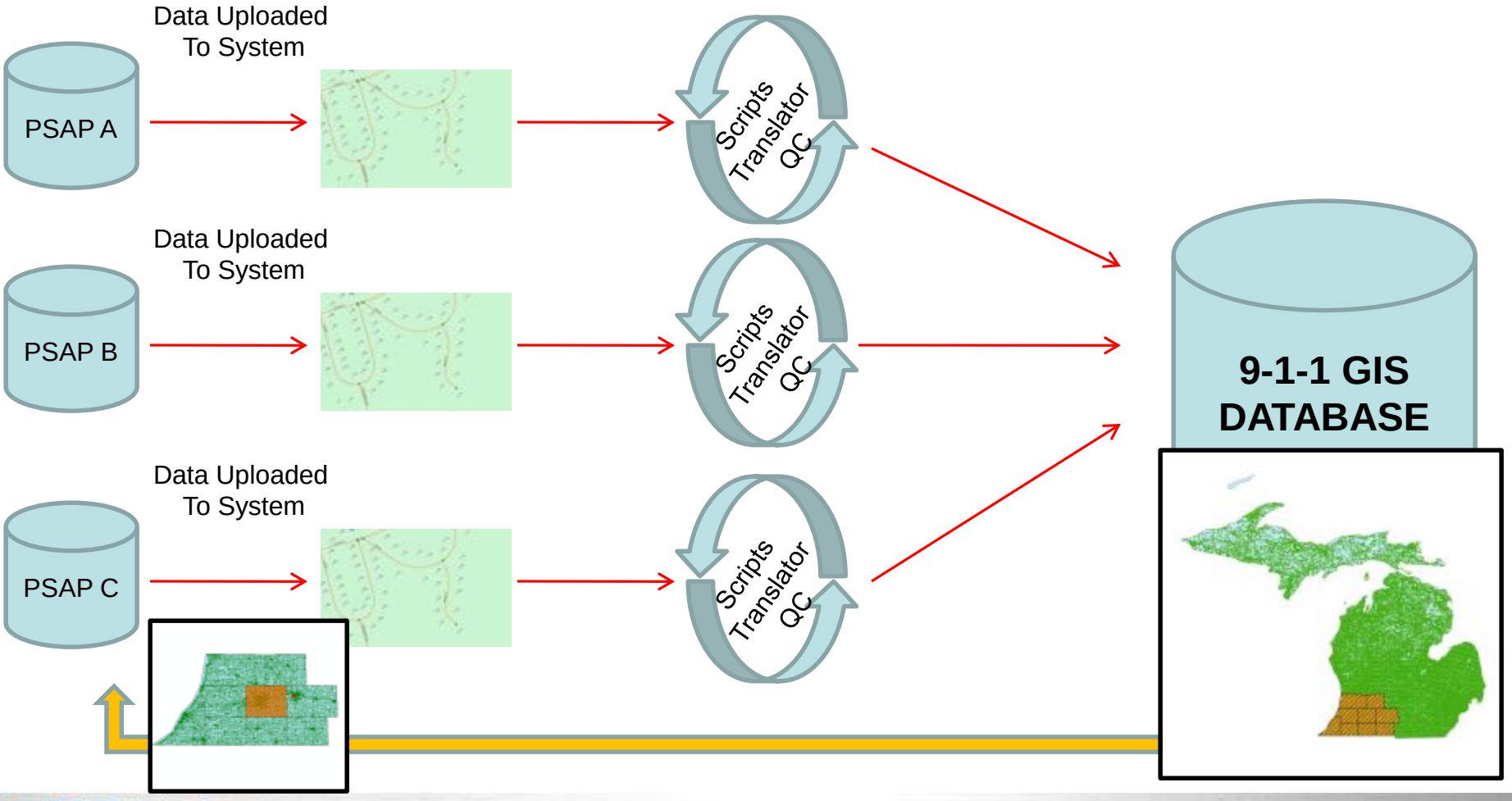
Today's Agenda

- Background
- Region Administration Tool
- Data Viewer
- Import Data Utility
- Export Data Utility
- Red Line Edit Tools
- Questions

ENHANCE 911 Act Grant Project

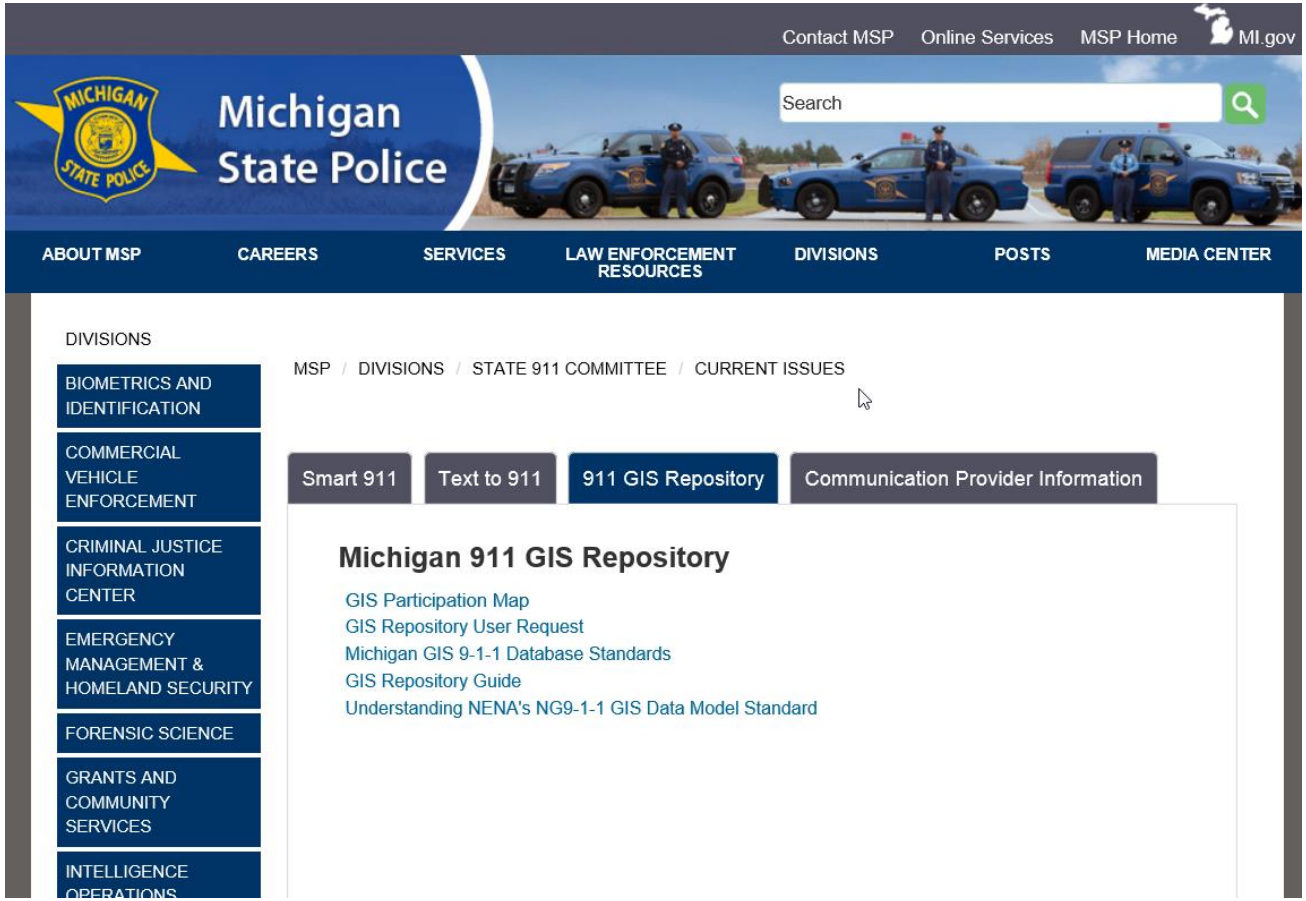
- Created a central 9-1-1 GIS Repository
  - Enabling PSAPs to share GIS information
  - Establishing MOAs
  - Setting standards for GIS data entry
  - Future framework for NG9-1-1 database
- Statewide Public Safety Answering Point (PSAP) Boundary Layer
- Statewide Road Centerline Layer

How does it work?



Relevance in the NG911 environment

911 User Request
michigan.gov/snc



Form is located under “Current Issues”

PSAP Administration Tools

- Each PSAP (with MOU in place) will have primary designated PSAP Administrator
- Each PSAP (with MOU in place) can assign alternate PSAP Administrators
- Internal communication for approval processes needs to be determined locally
  - For example, approving PSAP boundary changes

Roles

PSAP Administrator	This role is established for the person who will be managing the accounts for the users within a specific PSAP jurisdiction. This role will typically be assigned to the 911 Director. This access is limited to PSAPs that are a branch of the entity that is party to the 'memorandum of understanding' for the 911 GIS Repository.
Alternate PSAP Administrator(s)	This role is established for a person to provide a backup role to the PSAP Administrator for assigning logins or accounts. This role will have the same permissions level in the system as the PSAP Administrator.
Data Importer(s)	This role is established for a person who will be providing GIS data updates to the repository system. This role can be assigned to a PSAP staff member, county GIS department staff member or a vendor. This role is typically assigned to the person who is maintaining the GIS data.
Data Exporter(s)	This role is established for a person who will be extracting GIS data from the repository for 911 purposes on a regular basis. For example, the data exporter might be the person who typically integrates GIS data with existing CAD systems.
Restricted Administrator	This role is established as a 'view only' for PSAPs that are not a branch of the government which is party to the 'memorandum of understanding' for the 911 GIS Repository.

911 User Request

STATE OF MICHIGAN
GIS REPOSITORY USER REQUEST

To register application users, the PSAP Director must provide the information in this table and return it via e-mail to armitagem@michigan.gov or fax it to (517) 241-0387, Attn: Mr. Michael Armitage. A description of each role is provided below the table.

911 Repository Role	Name	Organization	Email and phone #
PSAP Administrator			
Alternate PSAP Administrator(s) (Optional)			
Data Importer(s)			
Data Exporter(s)			
Restricted Administrator			

Name:_____ Signature: _____

If you have any questions or concerns about this process, please contact:
Mr. Michael Armitage, armitagem@michigan.gov at MSP at (517) 241-2809, fax (517) 241-0387 or
Mr. Mark Holmes, holmesm3@michigan.gov at CSS at (517) 373-7910, fax (517) 373-2939.

PSAP Administrator – This role is established for the person who will be managing the accounts for the users within a specific PSAP jurisdiction. This role will typically be assigned to the 911 Director. This access is limited to PSAPs that are a branch of the entity that is party to the 'memorandum of understanding' for the 911 GIS Repository.

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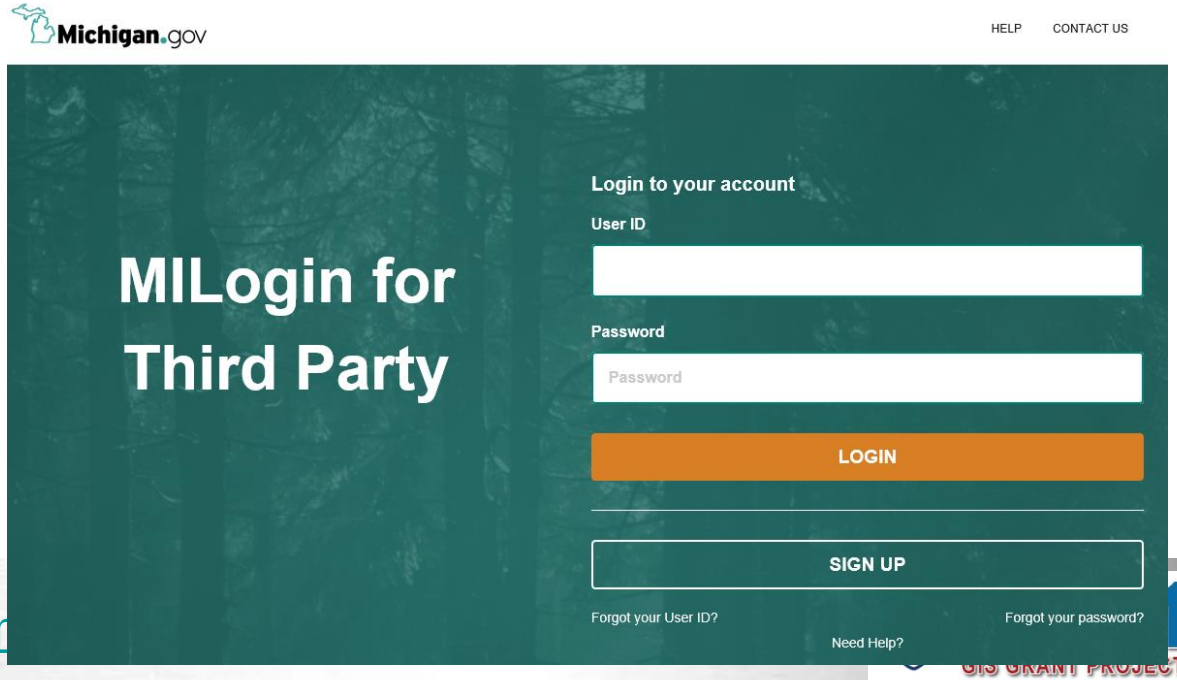
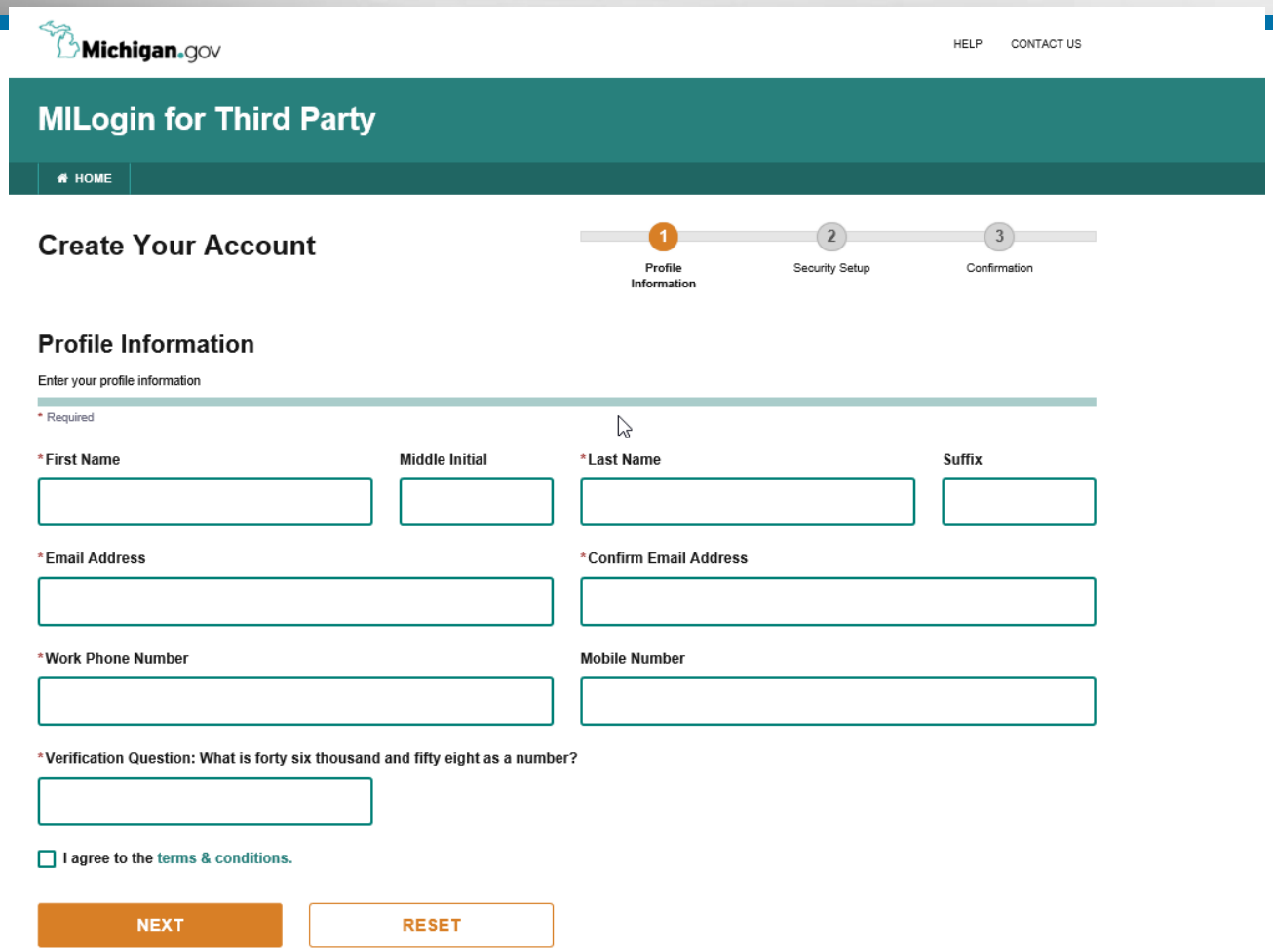
Single Sign-On

- State of Michigan employees
  - https://miloginworker.michigan.gov
- Non-State of Michigan employees
  - https://milogintp.michigan.gov



Single Sign-On



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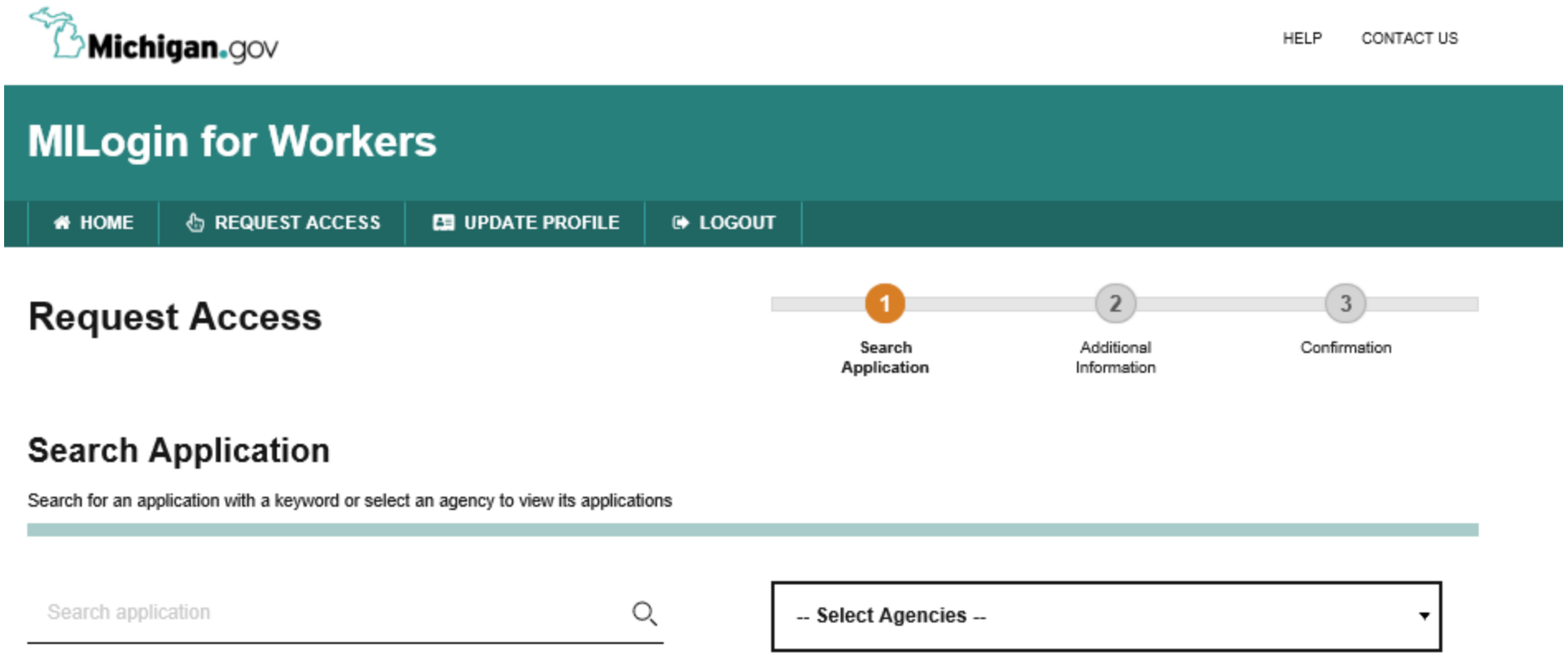
9-1-1 GIS GRANT PROJECT

Single Sign-On



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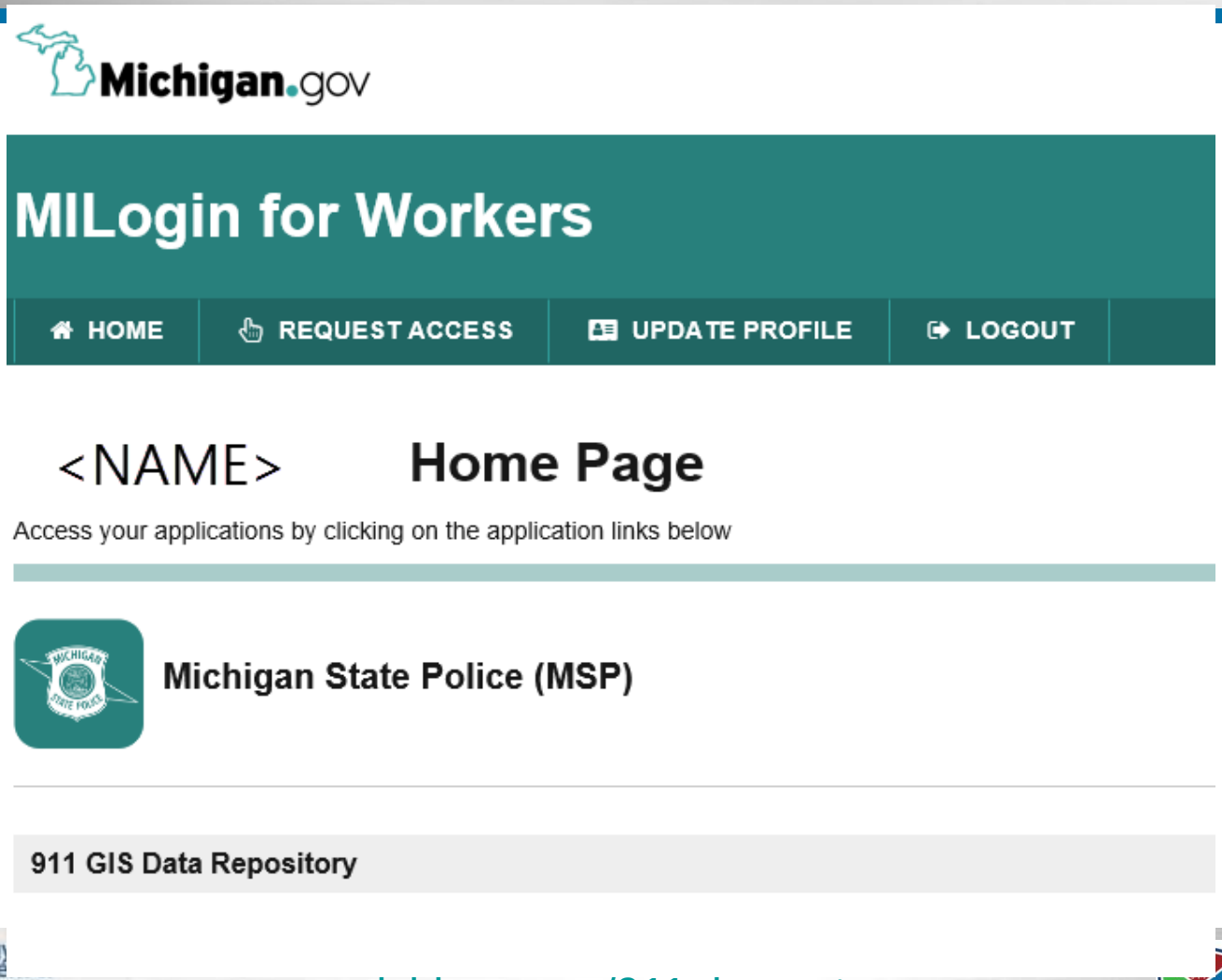

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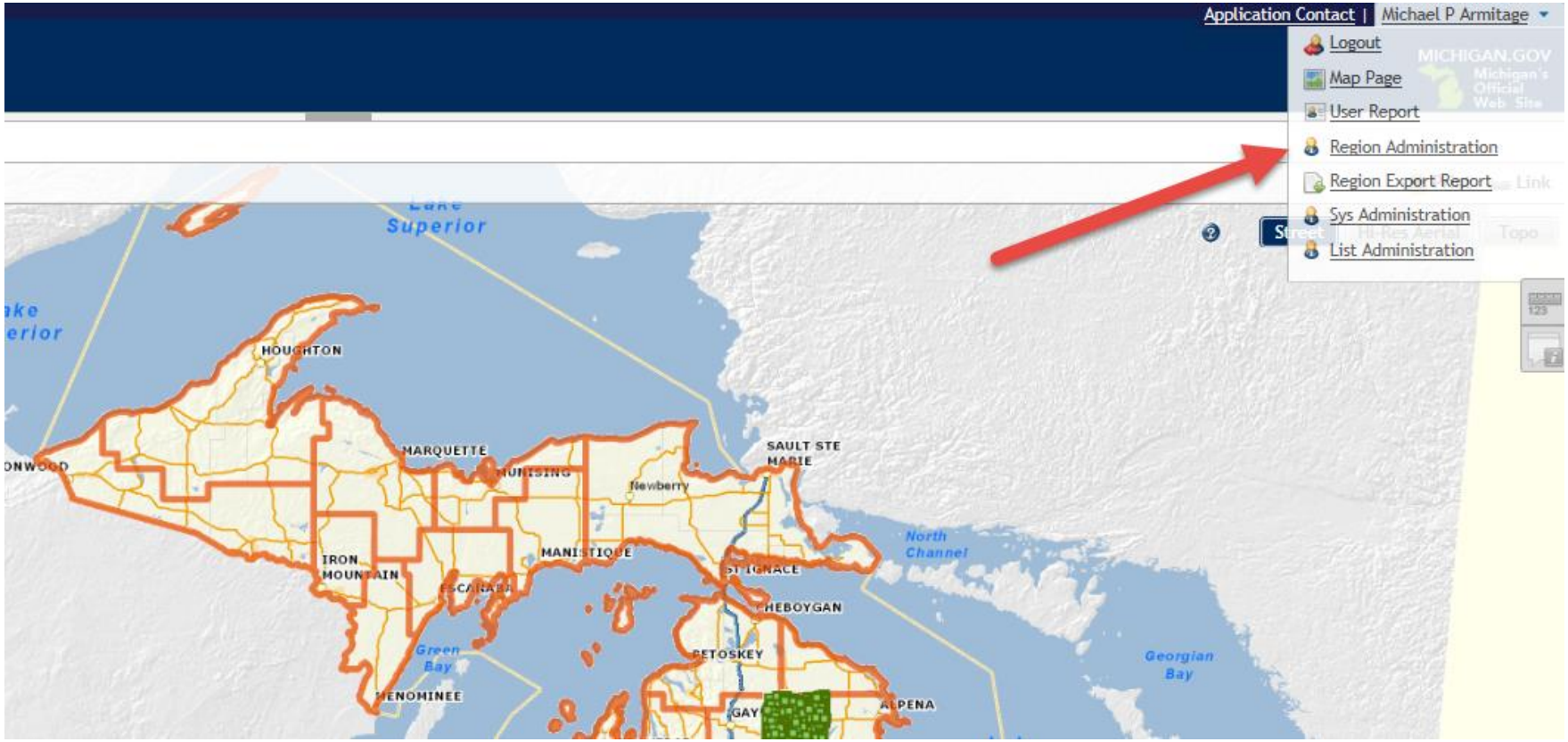
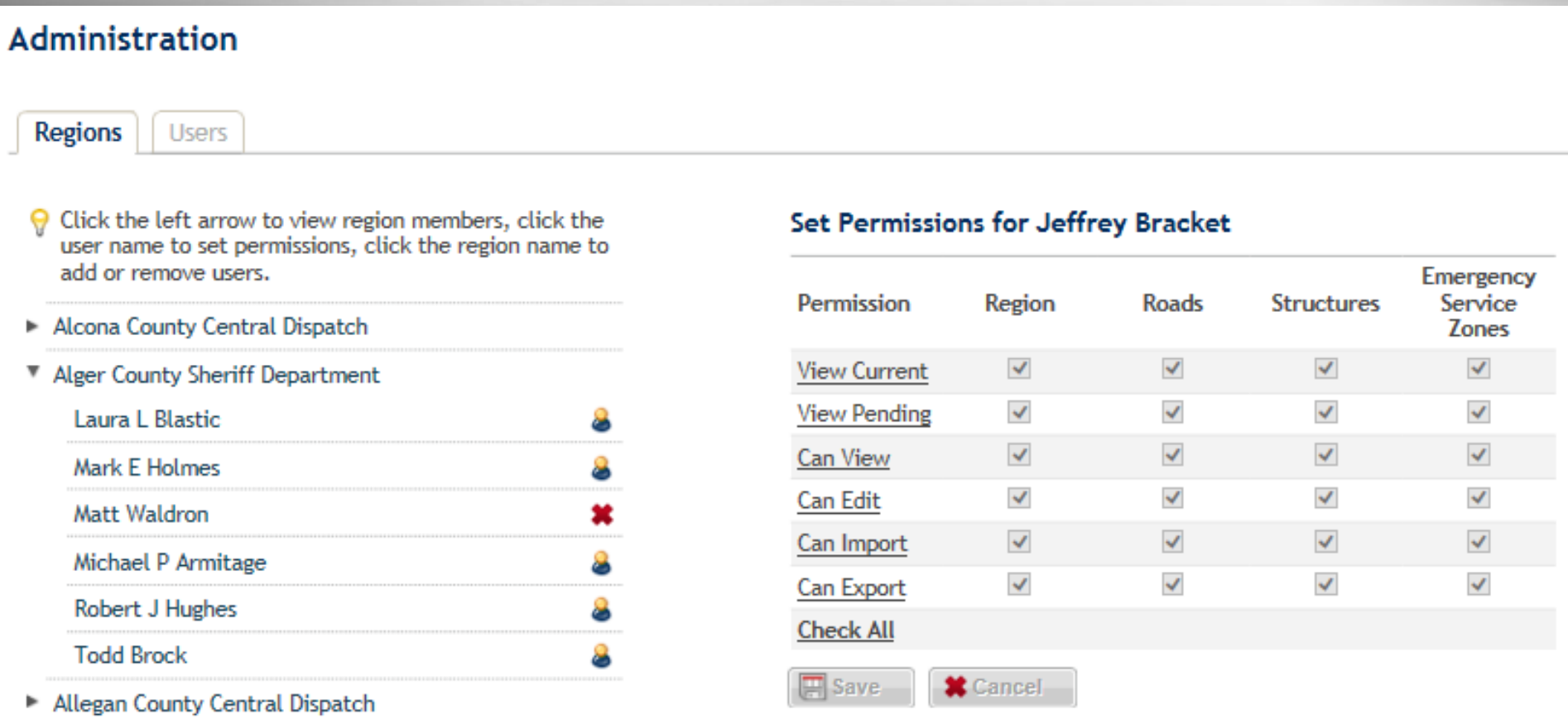
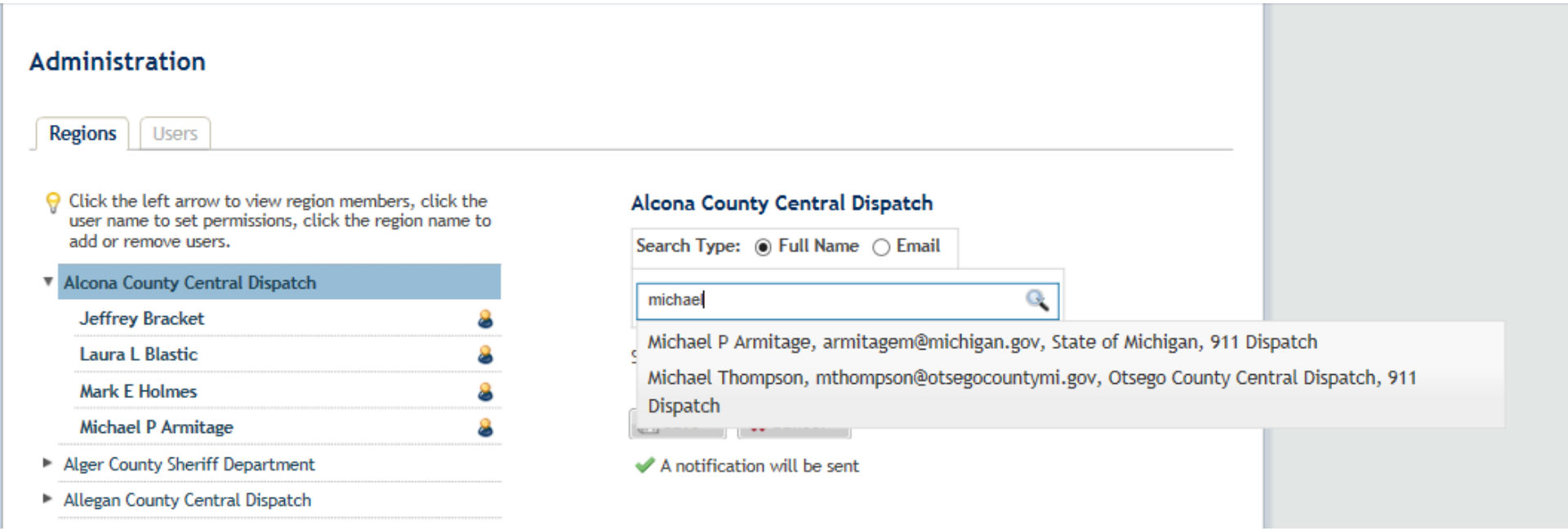
Region Administration Tools



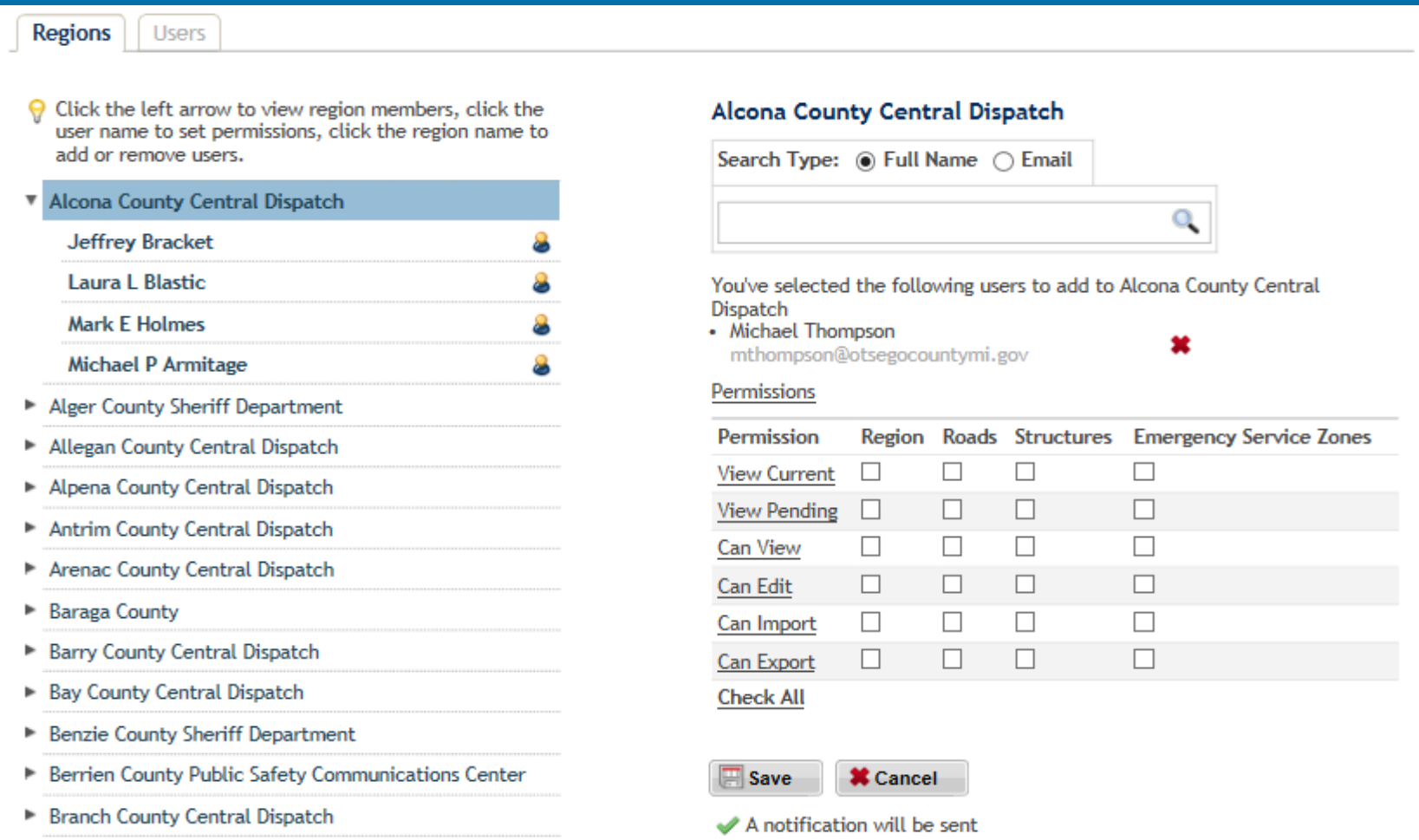
Region Administration Tools



Region Administration Tools



Region Administration Tools



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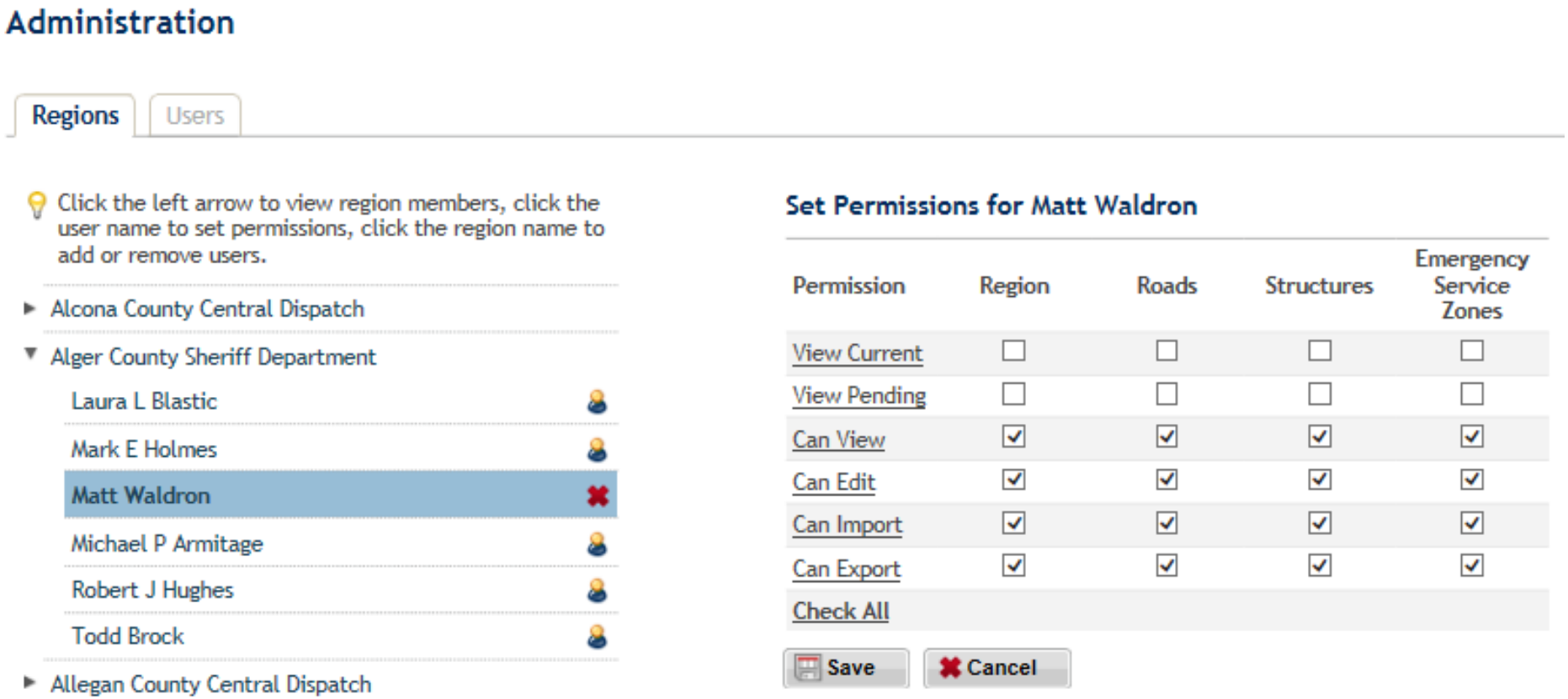
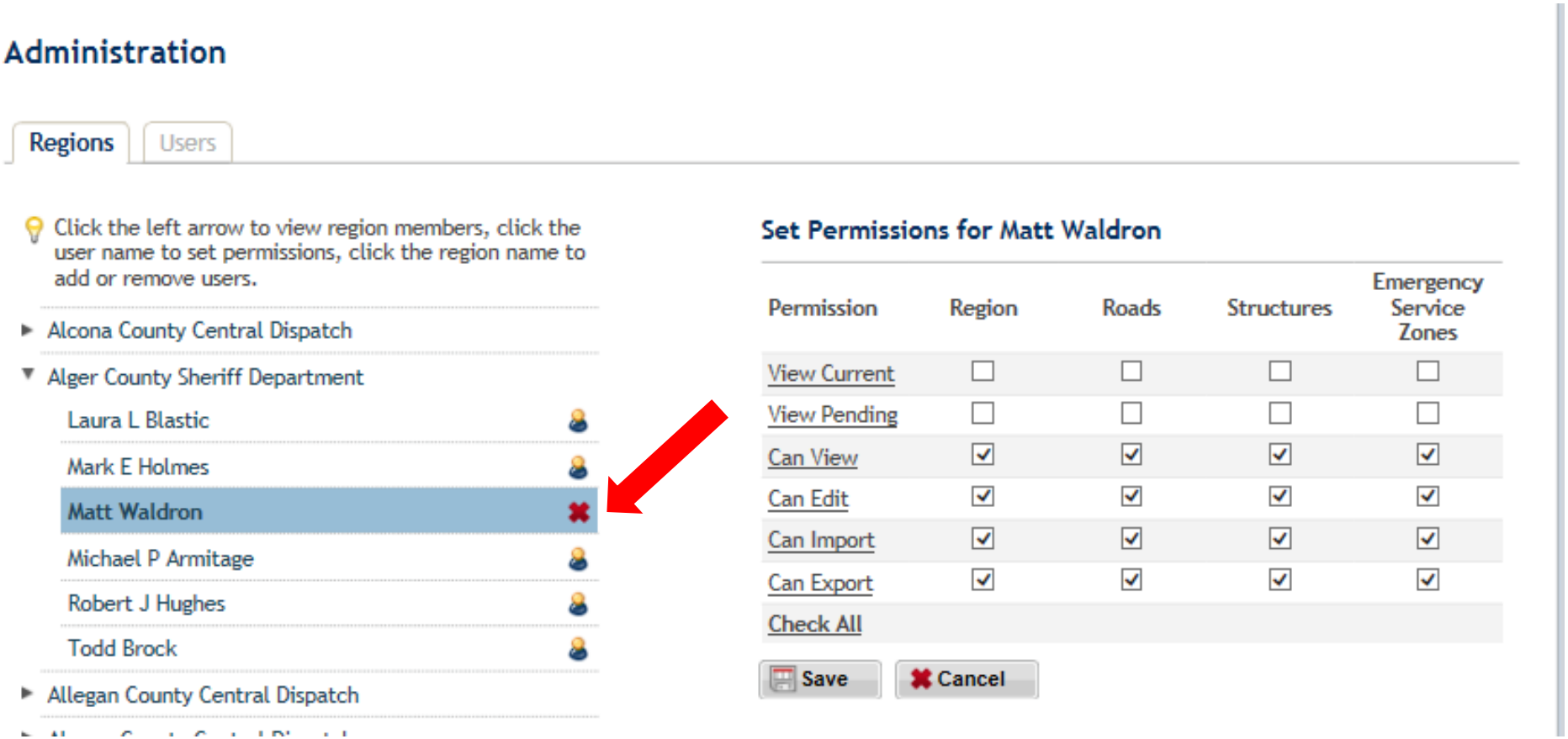
Region Administration Tools: Permissions



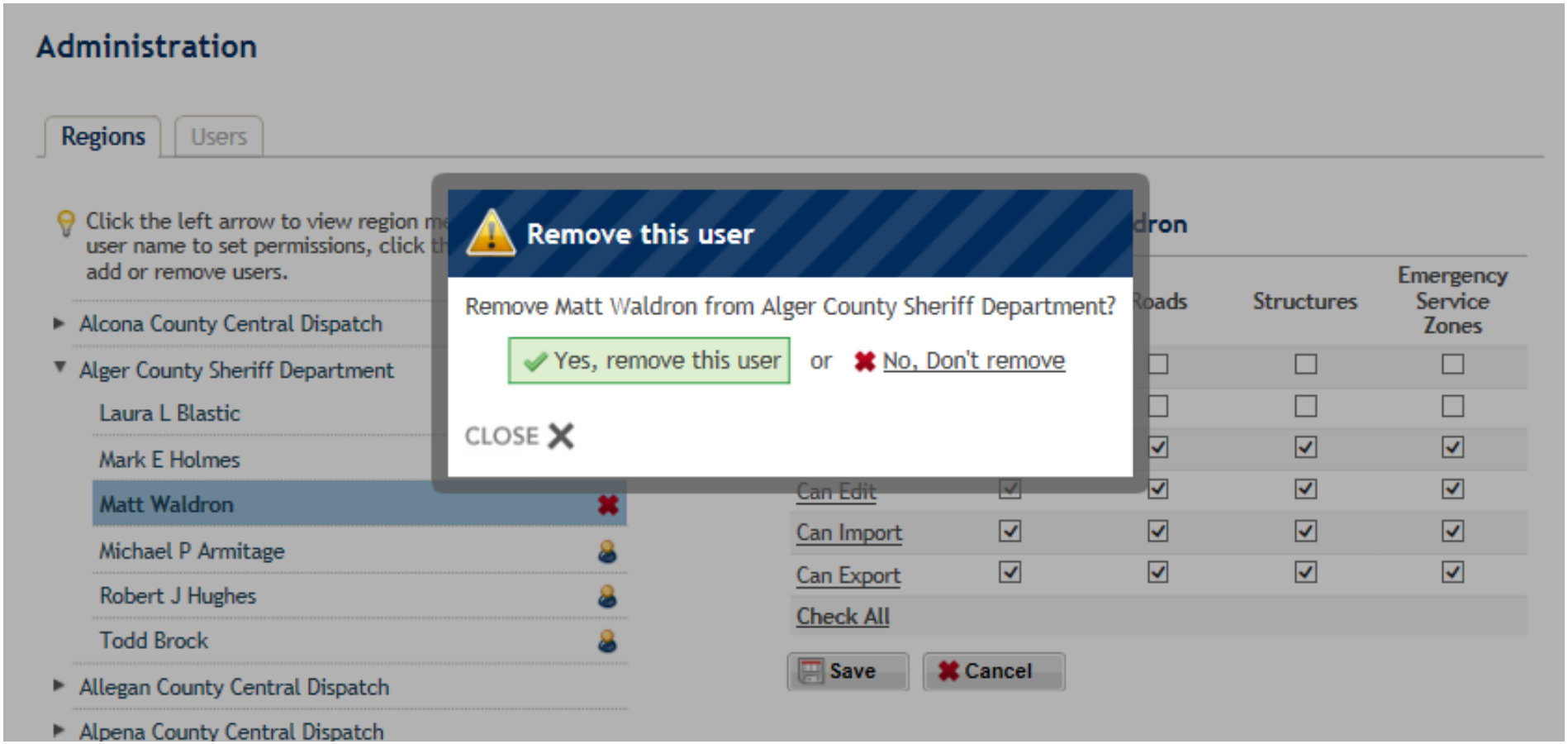
PSAP Administration: Remove User from PSAP

- Removing User Accounts
  - Rights are removed by PSAP Administrator
  - Account is Disabled by System Administrator – request needs to be submitted by PSAP Administrator
  - Can be Re-Enabled If User Goes to Work at Another PSAP

Removing User Accounts



Removing User Accounts



PSAP Administration Tools

- Requesting Data Export Rights for User

PSAP A

PSAP Administrator Sends Request for CAD Administrator to have Export Rights for Neighboring County

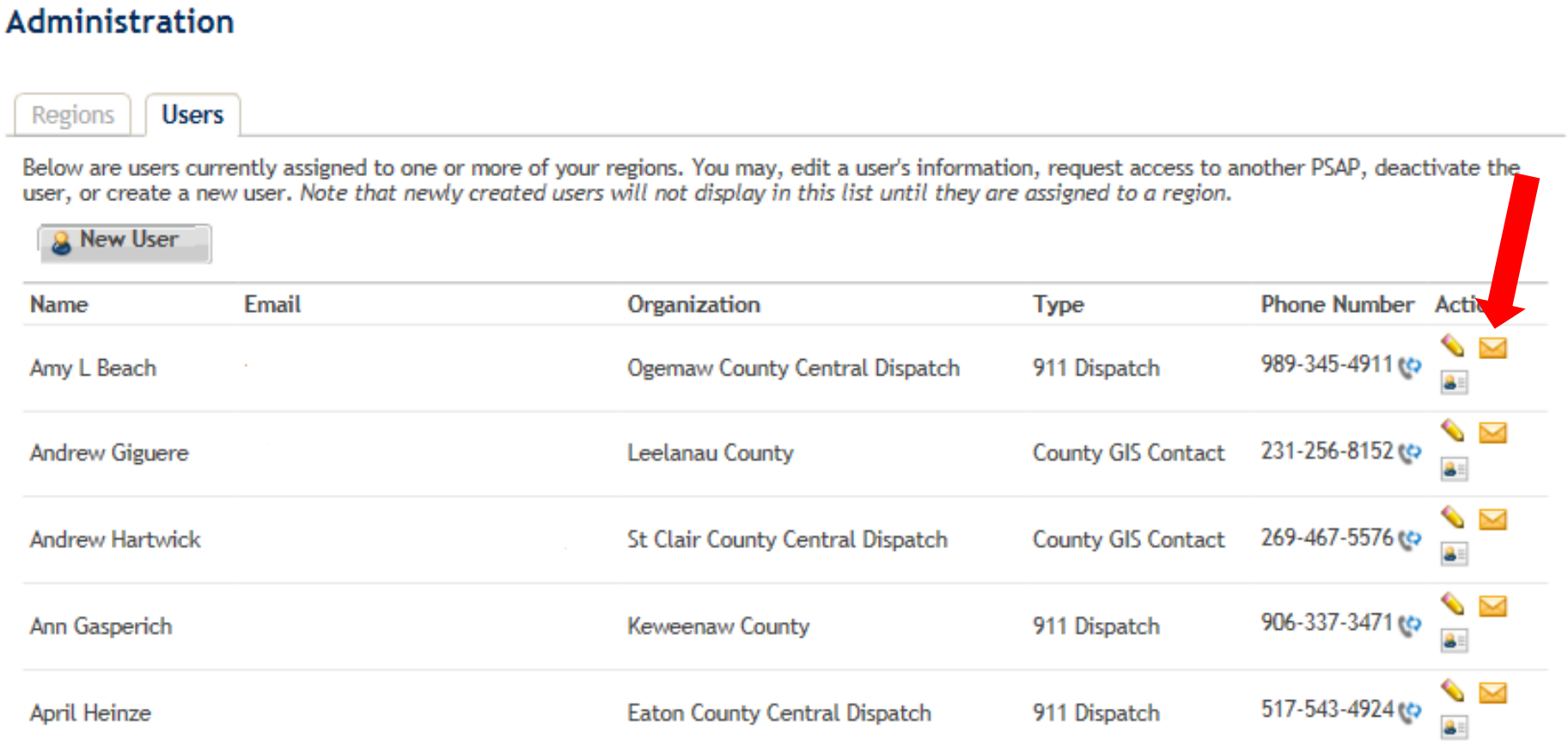
PSAP B

PSAP Administrator Receives Email to Log into System and Grant User Export Rights to PSAPs Data

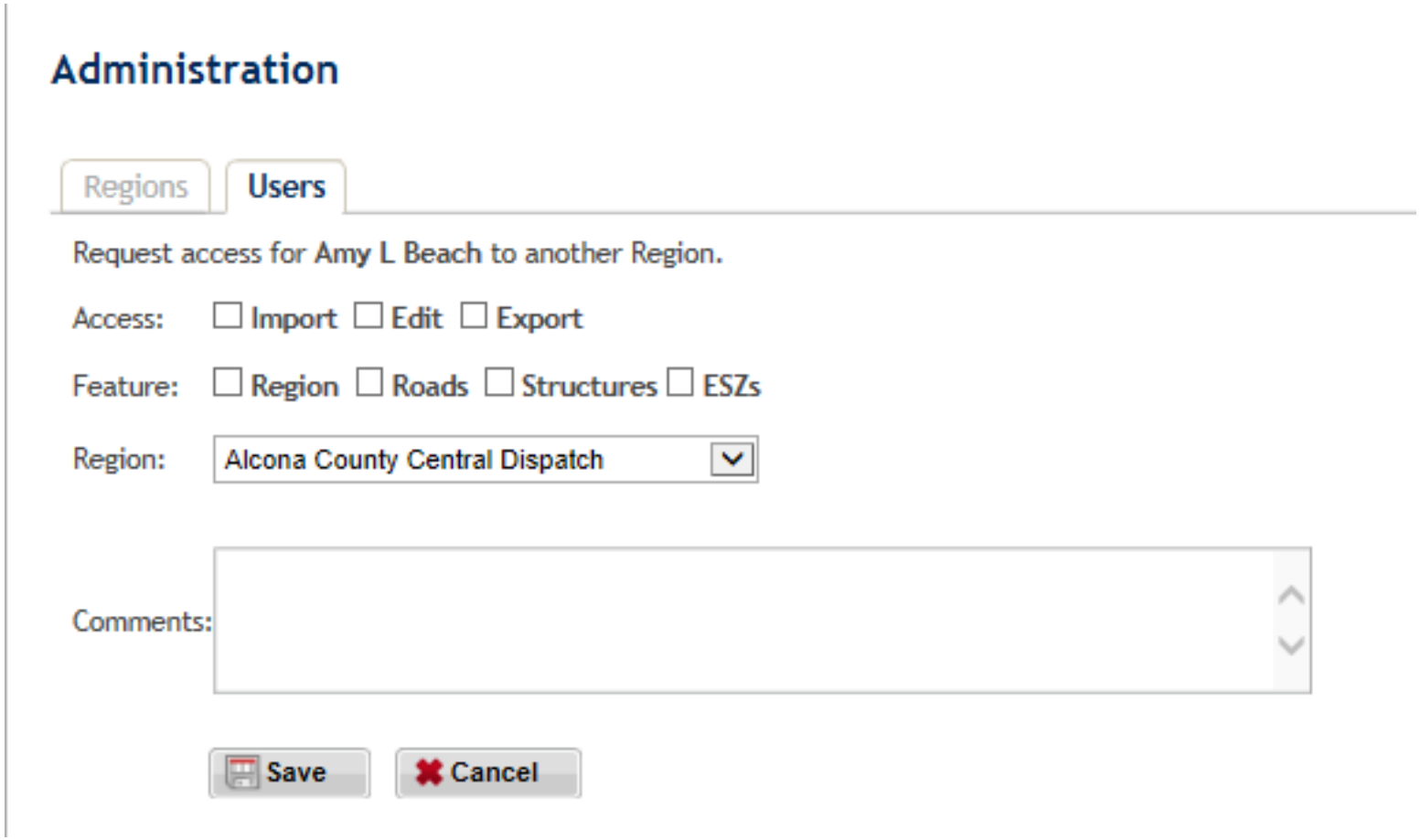
PSAP Administrator and CAD Administrator Receive Status Email

PSAP Administrator Approves or Denies Export Privileges

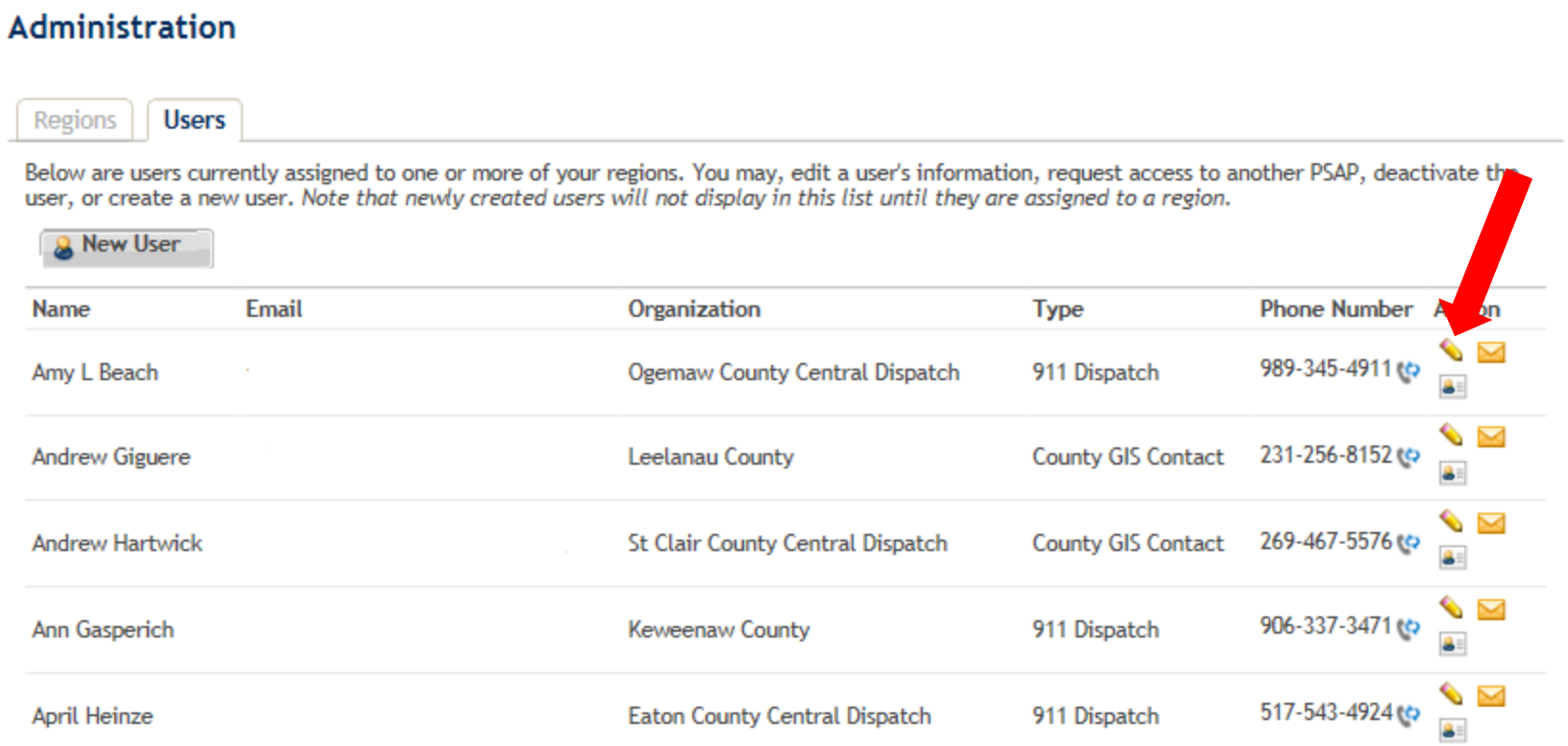
PSAP Administration: Requesting Permission



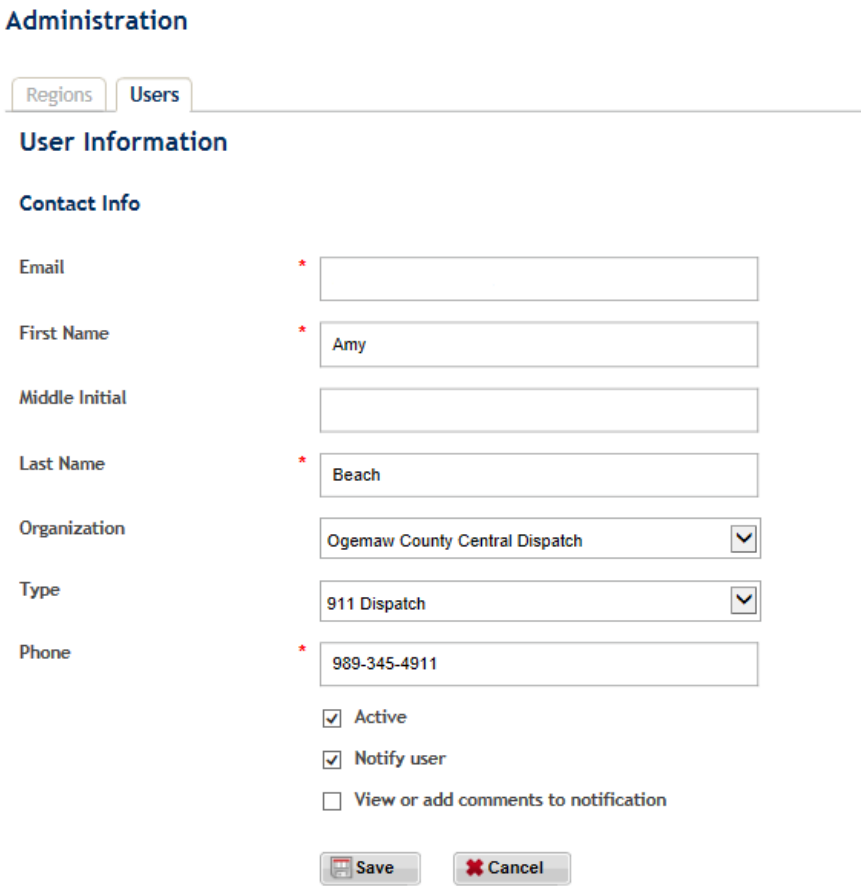
PSAP Administration: Requesting Permission



PSAP Administration: USERS



PSAP Administration: USERS



Data Sharing and Agreements

- Enhanced Access to Public Records Act
  - DTMB Policy Developed Specific to Project
    - Local Participant Will Need a Local Enhance Access to Public Records Act Policy
    - Project Can Provide Examples of Enhance Access to Public Records Act Policies – If Local Participant Does Not Have One in Place
- Memorandum of Agreement Between CSSTP and Each Participating Entity
    - Outlines Roles and Responsibilities of CSSTP and Participants
    - Established Disclaimers for Data Sharing
    - Signed Agreement

Data Sharing and Agreements

- Exported Data Can Only Be Used for 9-1-1 and Public Safety Purposes

The purpose of this MOA is to establish a mutual framework governing the respective organizational relationships, responsibilities, and activities between the parties. This agreement is for the utilization of GIS data for 9-1-1 and public safety purposes within a statewide 9-1-1 GIS repository developed by CSSTP (9-1-1 GIS Program).

Data Requests - FOIA

- Third Party Requests Data From CSSTP

Third Party Makes a FOIA Request for Data Covering 6 jurisdictions

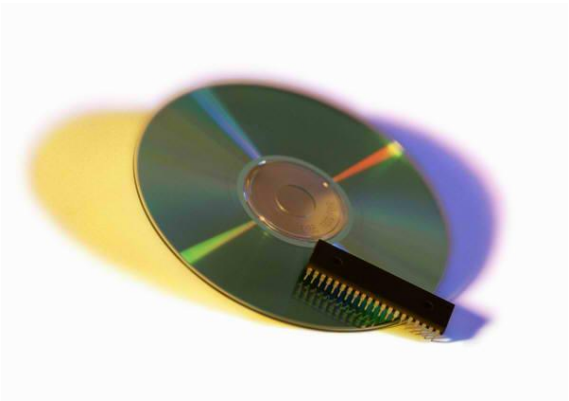
CSSTP

CSSTP References Local Enhanced Access to Public Records Policy For GIS Data Fee Schedules

Fees are totaled for all 6 jurisdictions plus any administration fees and third party must pay CSSTP to receive data extract

Data Requests - FOIA

- Third Party Requests Data From CSSTP



Once third party pays costs
CSSTP releases data to third party

Local fees are reimbursed by
CSSTP to each local jurisdiction

Data Requests - FOIA

- Third Party Requests Data From a Local Jurisdiction

Third party makes a FOIA request for data covering 6 other jurisdictions that the local jurisdiction has downloaded into its local systems

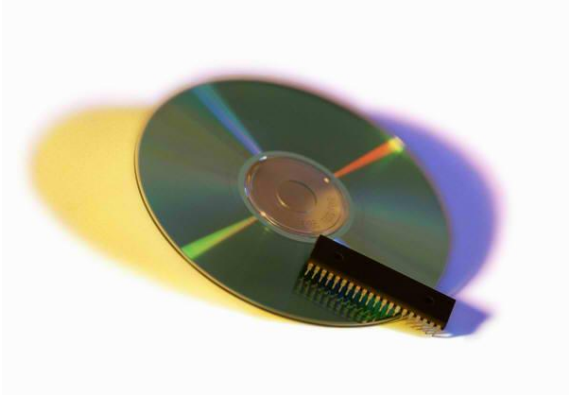
Local Jurisdiction

Local Jurisdiction References Local Enhanced Access to Public Records Policy For GIS Data Fee Schedules

Fees are totaled for all 6 jurisdictions plus any administration fees and third party must pay local jurisdiction to receive data extract

Data Requests - FOIA

- Third Party Requests Data From Local Jurisdictions



Once third party pays costs local jurisdiction releases data to third party

Local fees are reimbursed by local jurisdiction that received the request to each of the 6 other local jurisdictions

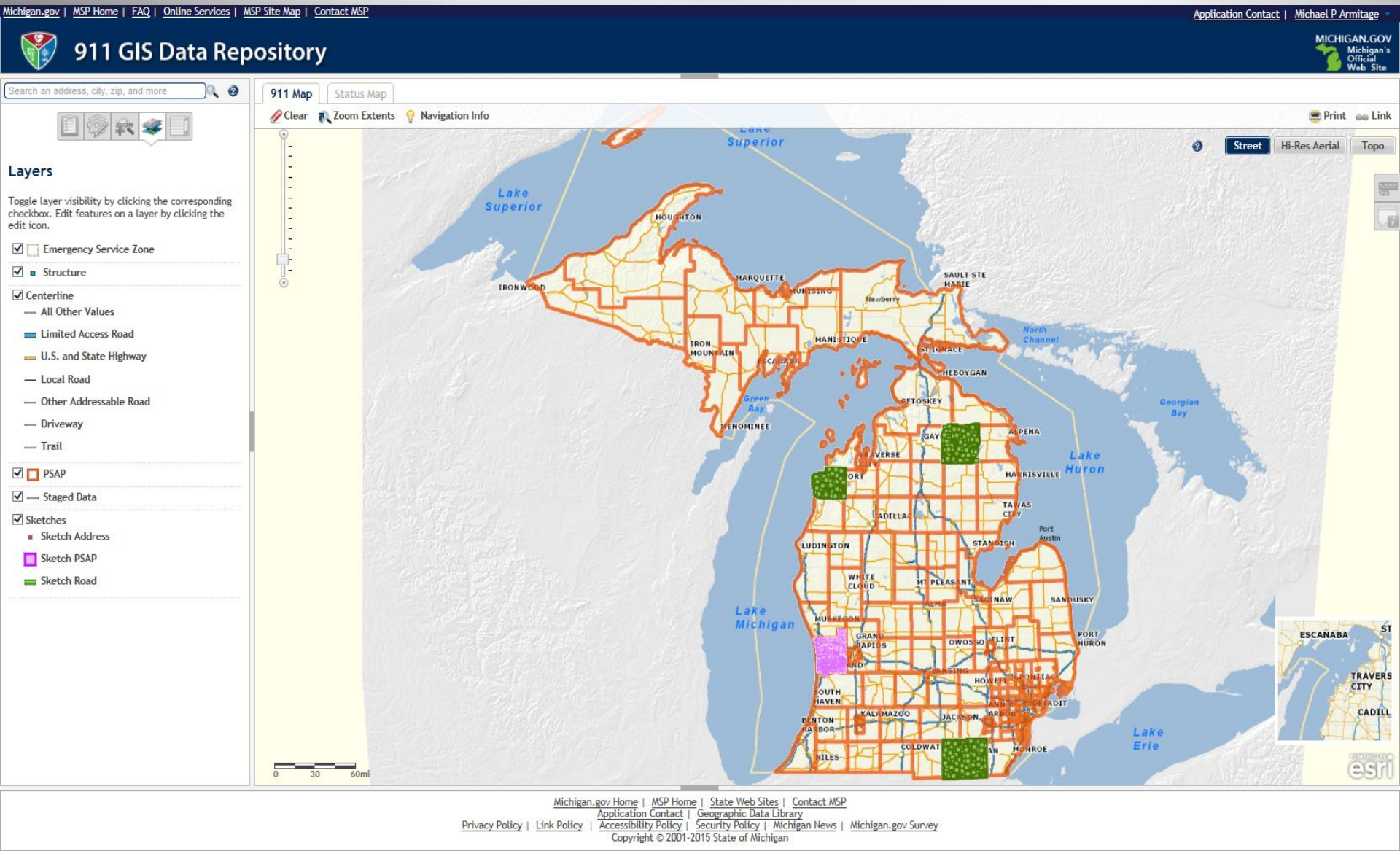
Data Viewer

- Potential Uses
  - Only available for public safety via secure log in
  - The data viewer could benefit PSAPs where mapping does not currently exist for dispatch
  - The data viewer can be used to search addresses in other jurisdictions
  - Supplemental map to existing systems
  - Accessible via wireless in field or mobile command
  - Can be accessed in an EOC during large incident crossing multiple jurisdictions

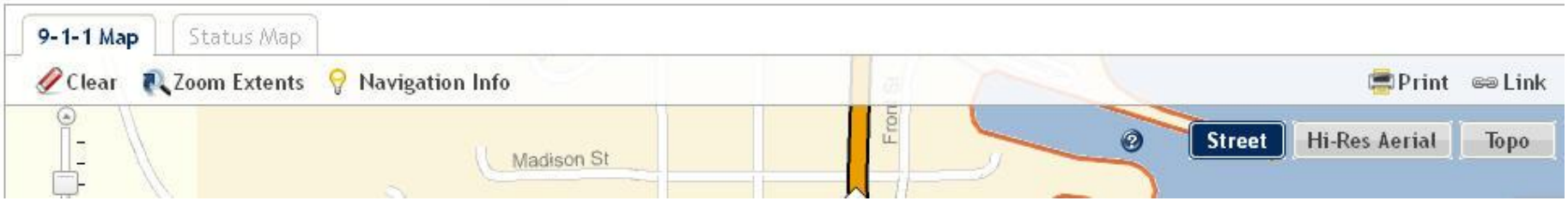
Data Viewer

Demonstration

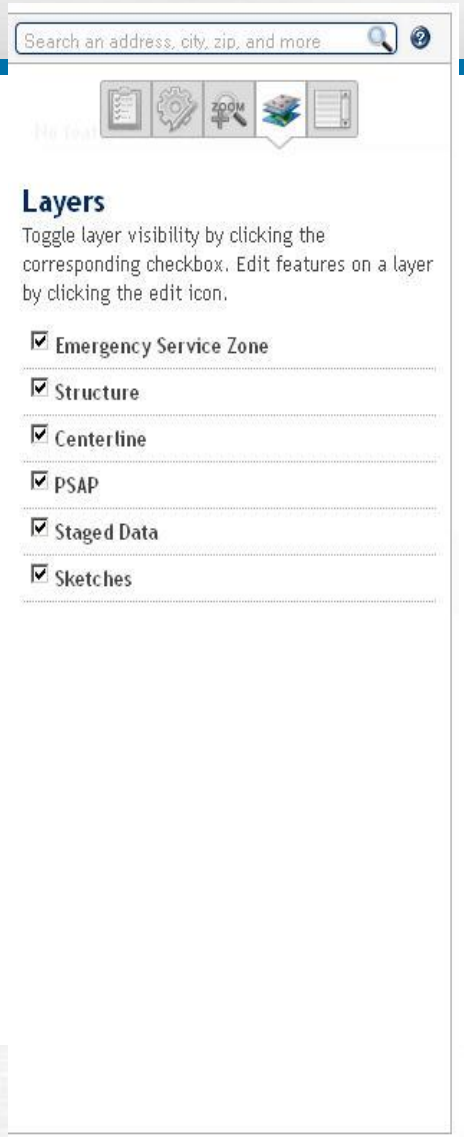
Data Viewer


Michigan.gov | MSP Home | FAQ | Online Services | MSP Site Map | Contact MSP
Application Contact | Michael P Armitage
911 GIS Data Repository
MICHIGAN.GOV Michigan's Official Web Site
Search an address, city, zip, and more
911 Map
Status Map
Clear
Zoom Extents
Navigation Info
Print
Link
Street
Hi-Res Aerial
Topo
Layers
Toggle layer visibility by clicking the corresponding checkbox. Edit features on a layer by clicking the edit icon.
Emergency Service Zone
Structure
Centerline
All Other Values
Limited Access Road
U.S. and State Highway
Local Road
Other Addressable Road
Driveway
Trail
PSAP
Staged Data
Sketches
Sketch Address
Sketch PSAP
Sketch Road
Lake Superior
Lake Michigan
Lake Huron
Lake Erie
North Channel
Georgian Bay
Green Bay
HOUGHTON
IRONWOOD
MARQUETTE
SAULT STE MARIE
MANISTIQUE
ST IGNACE
HEBOYGAN
PETOSKEY
MENOMINEE
ALPENA
HARRISVILLE
TAWAS CITY
LUDINGTON
STANDISH
Port Austin
MT PLEASANT
SAGINAW
SANDUSKY
GRAND RAPIDS
OWOSSO
FLINT
PORT HURON
KALAMAZOO
BENTON HARBOR
SOUTH HAVEN
ESCANABA
TRAVERS CITY
CADILL
0 30 60mi
Michigan.gov Home | MSP Home | State Web Sites | Contact MSP
Application Contact | Geographic Data Library
Privacy Policy | Link Policy | Accessibility Policy | Security Policy | Michigan News | Michigan.gov Survey
Copyright © 2001-2015 State of Michigan

Data Viewer


9-1-1 Map
Status Map
Clear
Zoom Extents
Navigation Info
Print
Link
Madison St
Front St
Street
Hi-Res Aerial
Topo

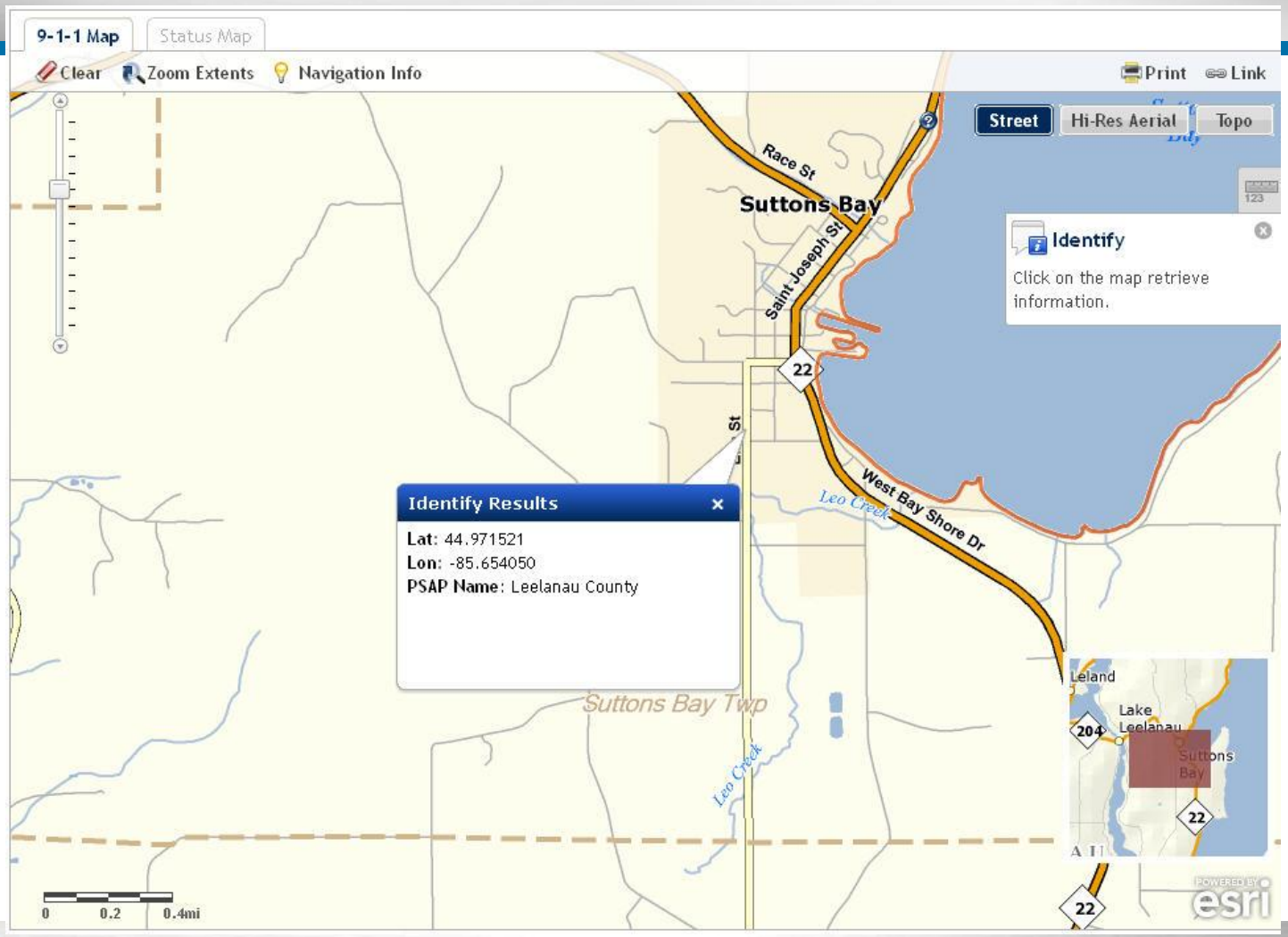
Data Viewer


Search an address, city, zip, and more
ZOOM
Layers
Toggle layer visibility by clicking the corresponding checkbox. Edit features on a layer by clicking the edit icon.
Emergency Service Zone
Structure
Centerline
PSAP
Staged Data
Sketches

Data Viewer

Search an address, city, zip, and more
County & PSAP
Coordinate
Zoom
Zoom enables users to quickly navigate to a map location.
County & PSAP
Select a county or PSAP from the list boxes below. If you choose a county first, the PSAP list will only contain PSAP's within the selected county.
County
Select
PSAP
Select

Data Viewer



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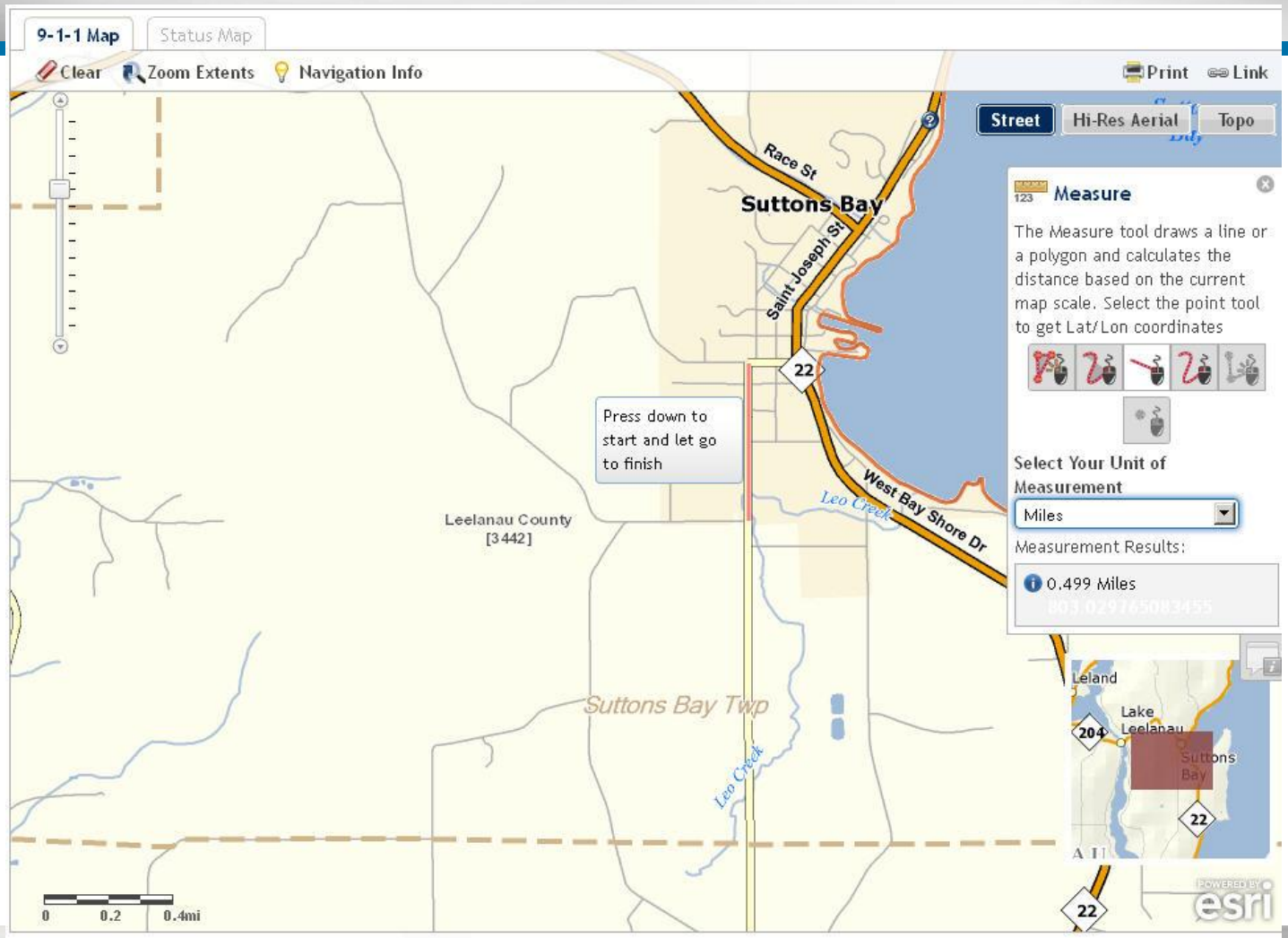
Data Viewer



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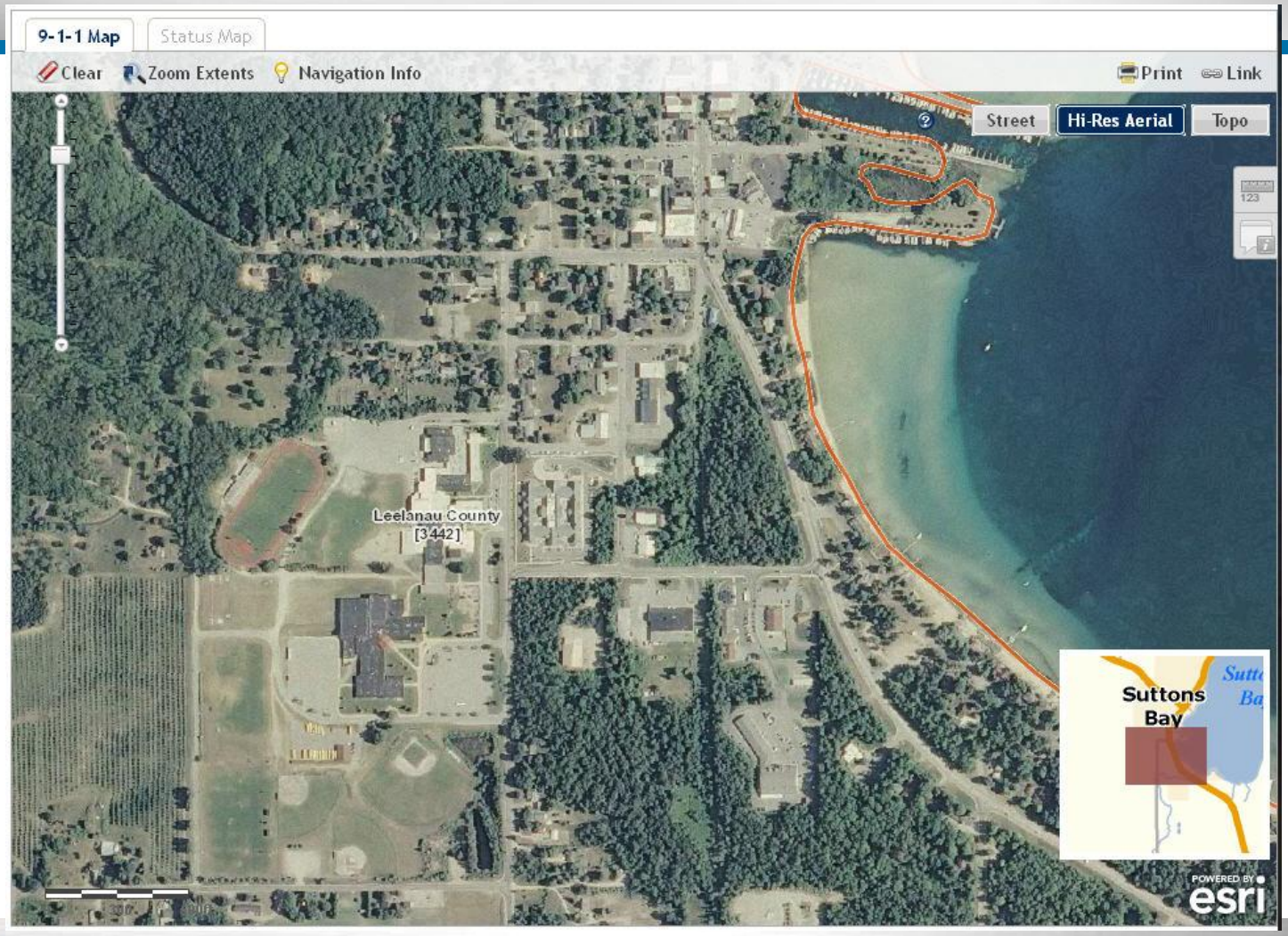
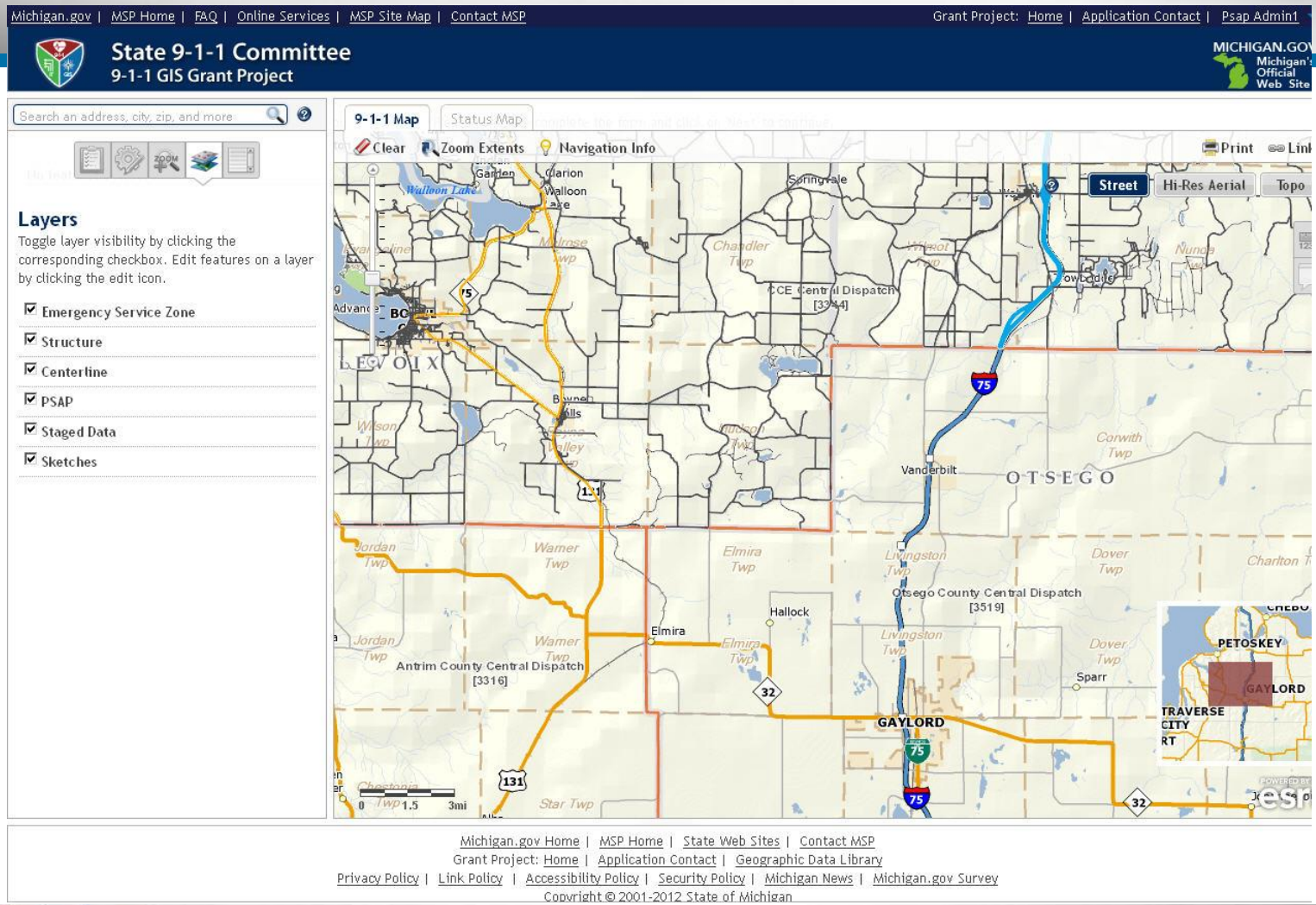


Technology, Management & Budget

Data Viewer

- Map Symbology
  - Populate FCC Codes
  - Populate RDCLASS Field
  - Outlined in addressing guide

Data Viewer



DTMB Technology, Management & Budget

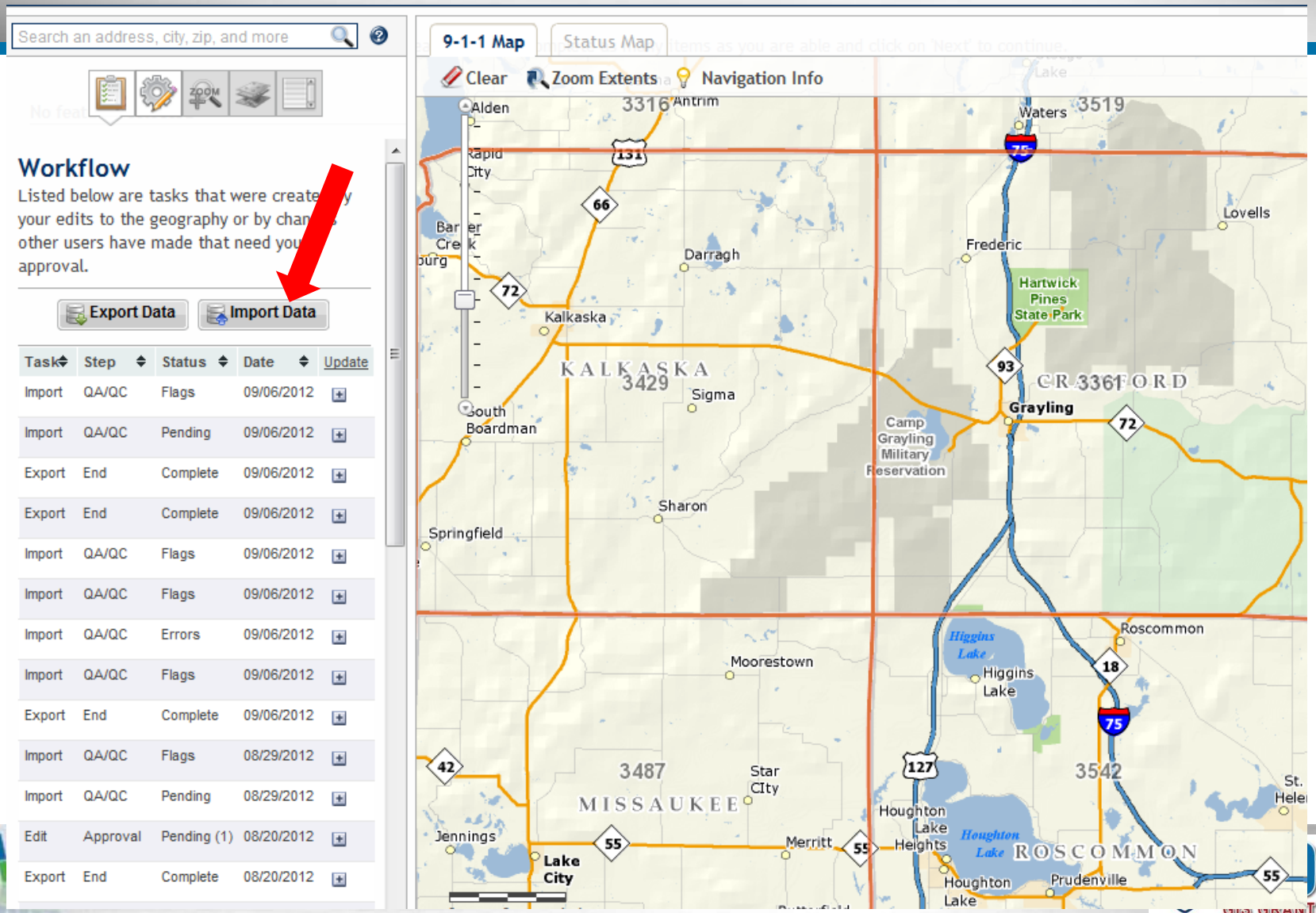
Import Data

- Road centerlines
- MSAG – only for validation against new centerline layer being uploaded
- Emergency Service Zones – Optional
  - Beneficial for Mutual Aid
  - Will be beneficial for NG9-1-1 and interoperability
- Site Structure Points – Optional
  - Can be partial layer

Import Data

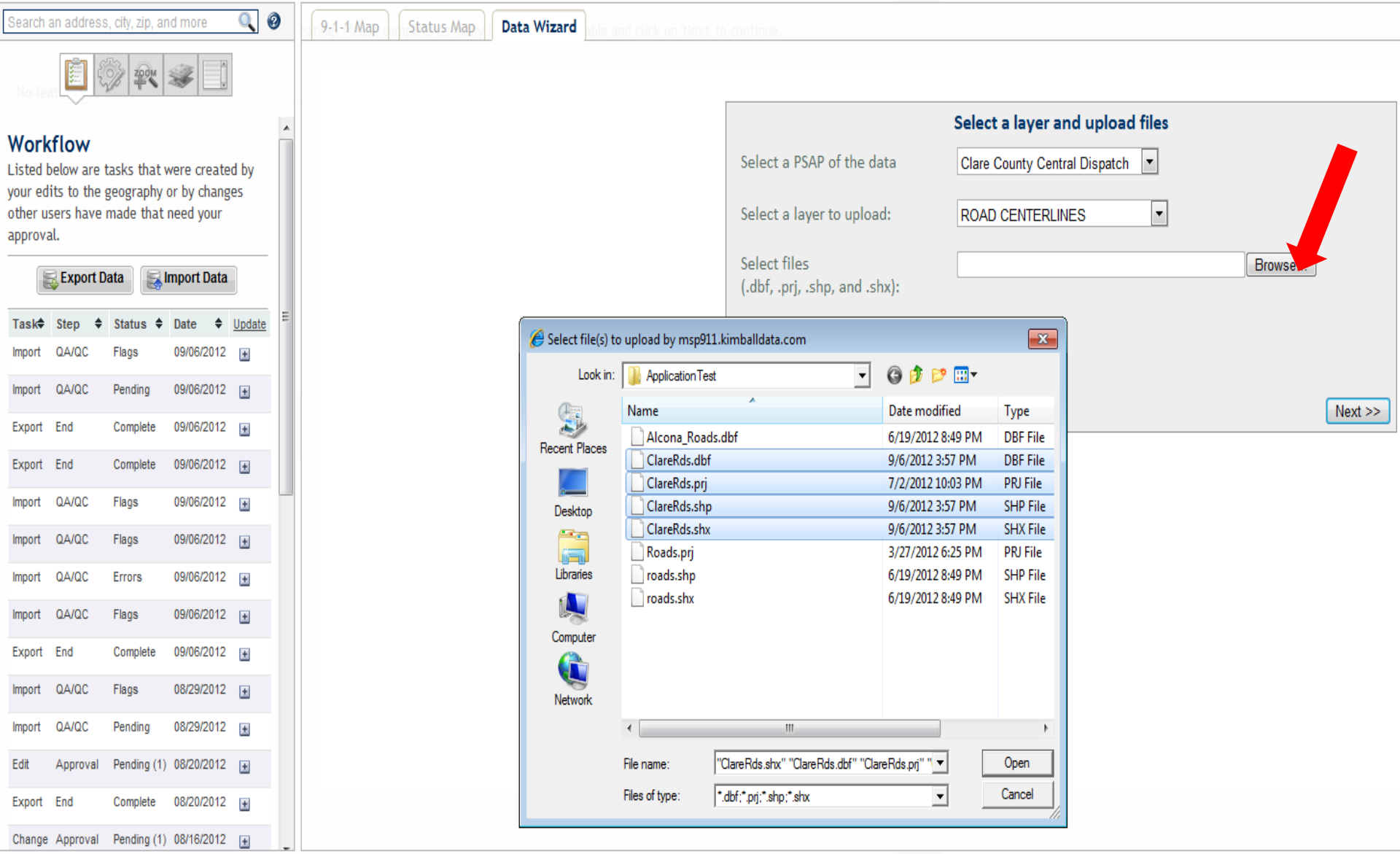
Demonstration

Import Data

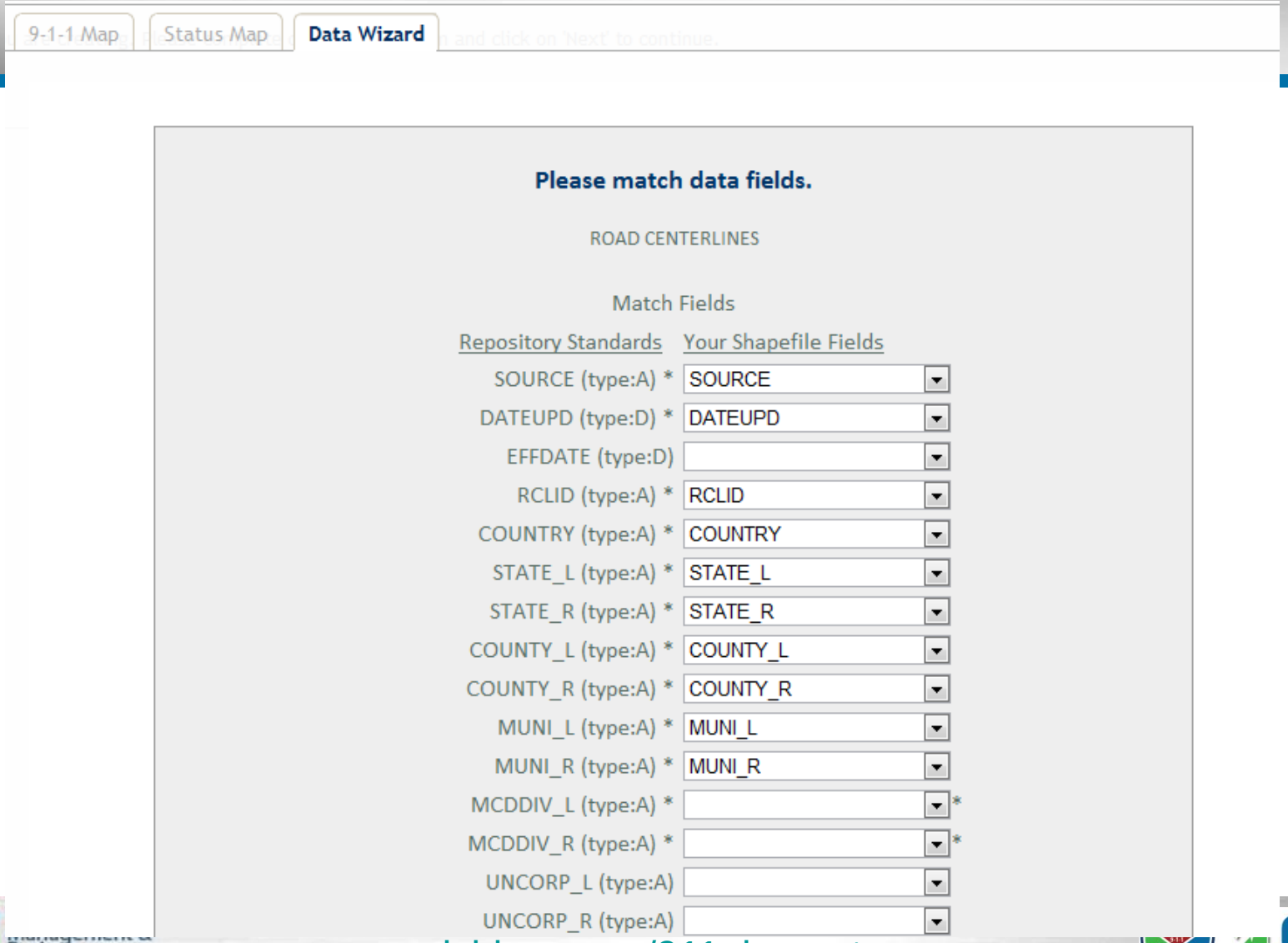


Search an address, city, zip, and more
9-1-1 Map
Status Map
Clear
Zoom Extents
Navigation Info
Workflow
Listed below are tasks that were create
your edits to the geography or by chan
other users have made that need you
approval.
Export Data
Import Data
Task Step Status Date Update
Import QA/QC Flags 09/06/2012
Import QA/QC Pending 09/06/2012
Export End Complete 09/06/2012
Export End Complete 09/06/2012
Import QA/QC Flags 09/06/2012
Import QA/QC Flags 09/06/2012
Import QA/QC Errors 09/06/2012
Import QA/QC Flags 09/06/2012
Export End Complete 09/06/2012
Import QA/QC Flags 08/29/2012
Import QA/QC Pending 08/29/2012
Edit Approval Pending (1) 08/20/2012
Export End Complete 08/20/2012
Alden
Antrim
Waters
Lovells
Frederic
Darragh
Kalkaska
Hartwick Pines State Park
KALKASKA
Sigma
Grayling
Camp Grayling Military Reservation
South Boardman
Sharon
Springfield
Roscommon
Moorestown
Higgins Lake
Star CIty
MISSAUKEE
Houghton Lake Heights
Houghton Lake
ROSCOMMON
Jennings
Merritt
Lake City
Prudenville

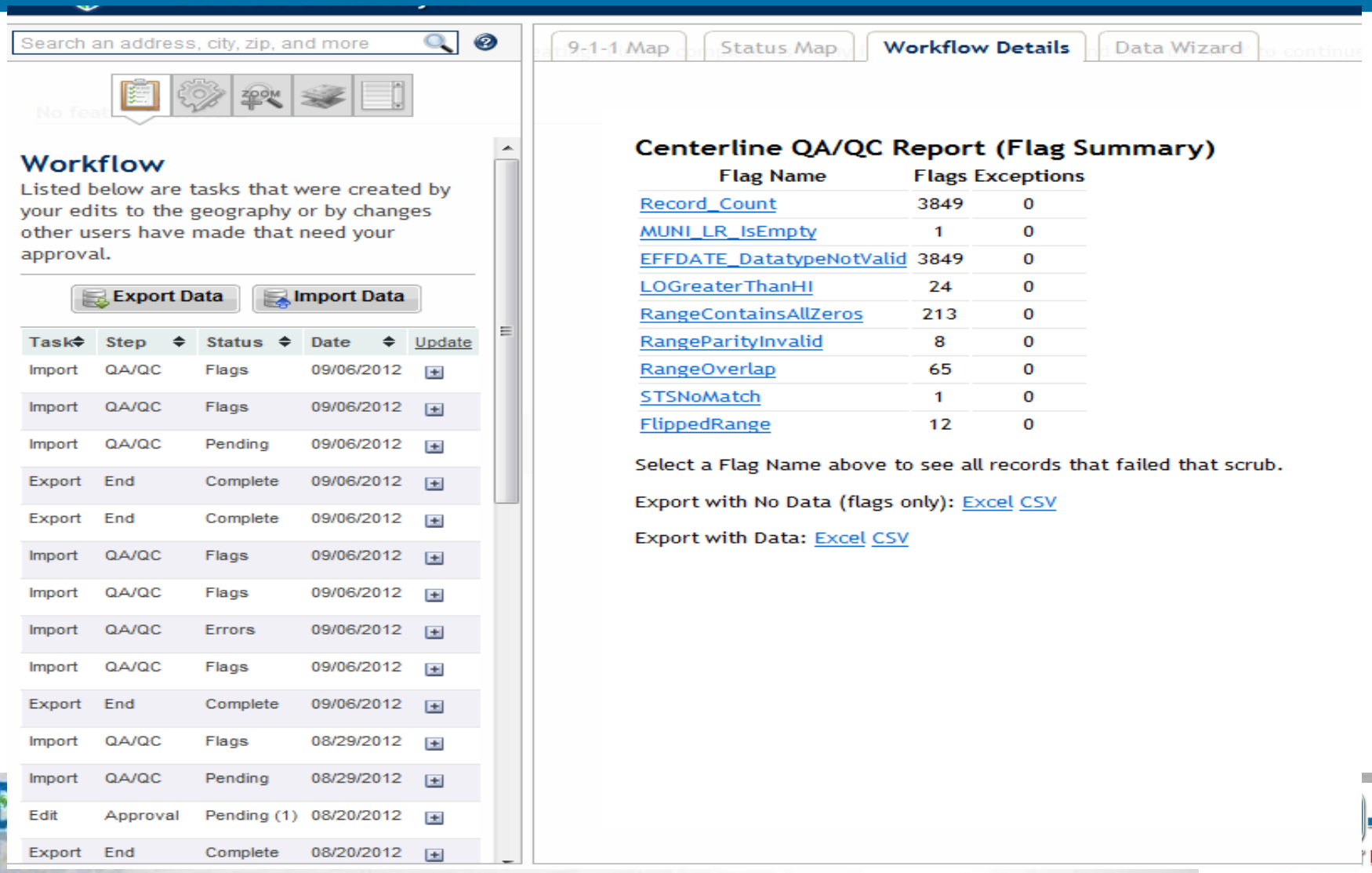
Import Data


Search an address, city, zip, and more
9-1-1 Map
Status Map
Data Wizard
Workflow
Listed below are tasks that were created by your edits to the geography or by changes other users have made that need your approval.
Export Data
Import Data
Task
Step
Status
Date
Update
Import QA/QC Flags 09/06/2012
Import QA/QC Pending 09/06/2012
Export End Complete 09/06/2012
Export End Complete 09/06/2012
Import QA/QC Flags 09/06/2012
Import QA/QC Flags 09/06/2012
Import QA/QC Errors 09/06/2012
Import QA/QC Flags 09/06/2012
Export End Complete 09/06/2012
Import QA/QC Flags 08/29/2012
Import QA/QC Pending 08/29/2012
Edit Approval Pending (1) 08/20/2012
Export End Complete 08/20/2012
Change Approval Pending (1) 08/16/2012
Select a layer and upload files
Select a PSAP of the data
Clare County Central Dispatch
Select a layer to upload:
ROAD CENTERLINES
Select files (.dbf, .prj, .shp, and .shx):
Browse...
Next >>
Select file(s) to upload by msp911.kimballdata.com
Look in:
ApplicationTest
Recent Places
Desktop
Libraries
Computer
Network
Name
Date modified
Type
Alcona_Roads.dbf 6/19/2012 8:49 PM DBF File
ClareRds.dbf 9/6/2012 3:57 PM DBF File
ClareRds.prj 7/2/2012 10:03 PM PRJ File
ClareRds.shp 9/6/2012 3:57 PM SHP File
ClareRds.shx 9/6/2012 3:57 PM SHX File
Roads.prj 3/27/2012 6:25 PM PRJ File
roads.shp 6/19/2012 8:49 PM SHP File
roads.shx 6/19/2012 8:49 PM SHX File
File name:
"ClareRds.shx" "ClareRds.dbf" "ClareRds.prj" "
Files of type:
.dbf;.prj;*.shp;*.shx
Open
Cancel

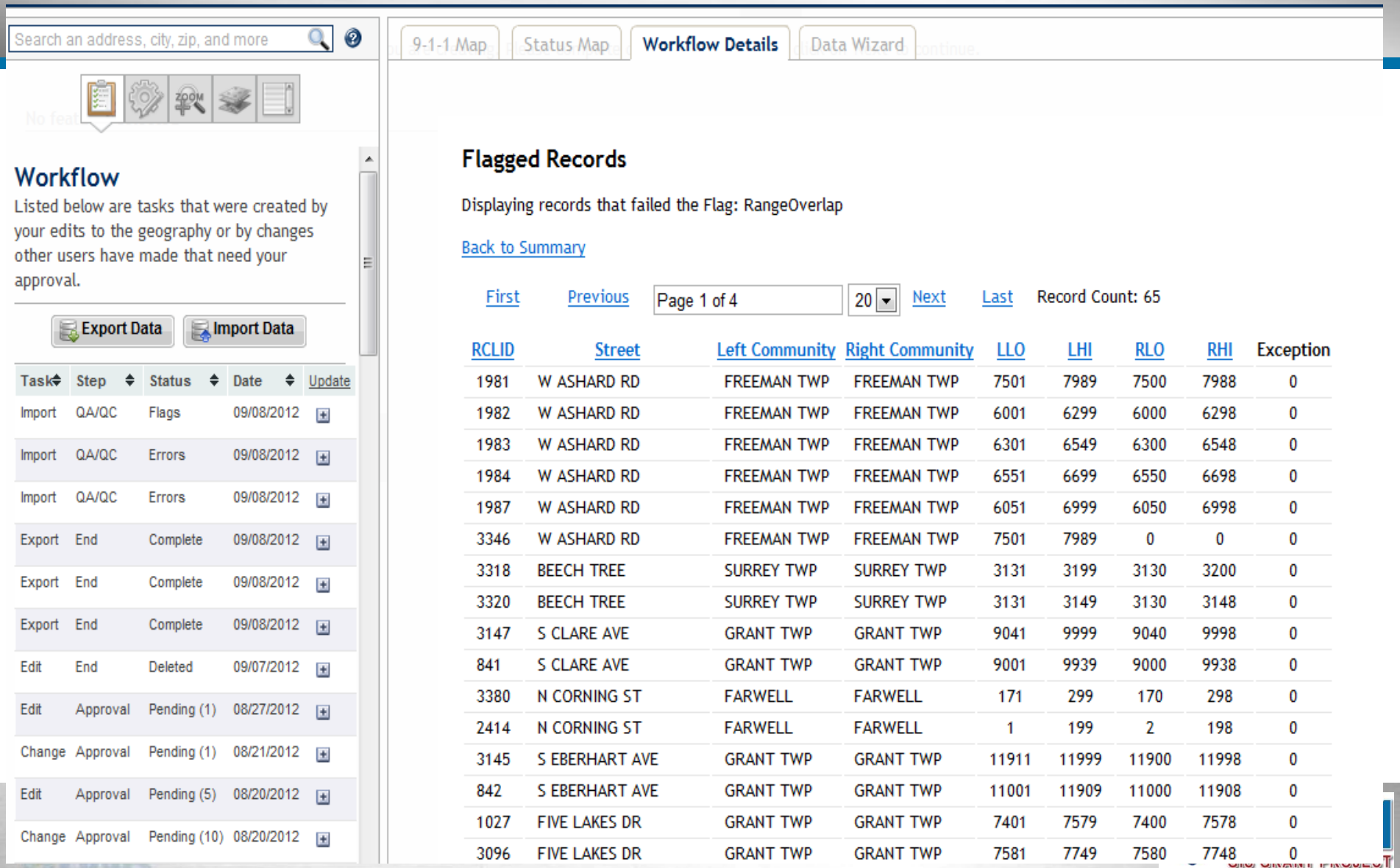
Import Data


9-1-1 Map
Status Map
Data Wizard
Please match data fields.
ROAD CENTERLINES
Match Fields
Repository Standards
Your Shapefile Fields
SOURCE (type:A) * SOURCE
DATEUPD (type:D) * DATEUPD
EFFDATE (type:D)
RCLID (type:A) * RCLID
COUNTRY (type:A) * COUNTRY
STATE_L (type:A) * STATE_L
STATE_R (type:A) * STATE_R
COUNTY_L (type:A) * COUNTY_L
COUNTY_R (type:A) * COUNTY_R
MUNI_L (type:A) * MUNI_L
MUNI_R (type:A) * MUNI_R
MCDDIV_L (type:A) *
MCDDIV_R (type:A) *
UNCORP_L (type:A)
UNCORP_R (type:A)

Import Data


Search an address, city, zip, and more
Workflow
Listed below are tasks that were created by your edits to the geography or by changes other users have made that need your approval.
Export Data
Import Data
Task
Step
Status
Date
Update
Import QA/QC Flags 09/06/2012
Import QA/QC Flags 09/06/2012
Import QA/QC Pending 09/06/2012
Export End Complete 09/06/2012
Export End Complete 09/06/2012
Import QA/QC Flags 09/06/2012
Import QA/QC Flags 09/06/2012
Import QA/QC Errors 09/06/2012
Import QA/QC Flags 09/06/2012
Export End Complete 09/06/2012
Import QA/QC Flags 08/29/2012
Import QA/QC Pending 08/29/2012
Edit Approval Pending (1) 08/20/2012
Export End Complete 08/20/2012
9-1-1 Map
Status Map
Workflow Details
Data Wizard
Centerline QA/QC Report (Flag Summary)
Flag Name Flags Exceptions
Record_Count 3849 0
MUNI_LR_IsEmpty 1 0
EFFDATE_DatatypeNotValid 3849 0
LOGreaterThanHI 24 0
RangeContainsAllZeros 213 0
RangeParityInvalid 8 0
RangeOverlap 65 0
STSNoMatch 1 0
FlippedRange 12 0
Select a Flag Name above to see all records that failed that scrub.
Export with No Data (flags only): Excel CSV
Export with Data: Excel CSV

Import Data



RCLID	Street	Left Community	Right Community	LLO	LHI	RLO	RHI	Exception
1981	W ASHARD RD	FREEMAN TWP	FREEMAN TWP	7501	7989	7500	7988	0
1982	W ASHARD RD	FREEMAN TWP	FREEMAN TWP	6001	6299	6000	6298	0
1983	W ASHARD RD	FREEMAN TWP	FREEMAN TWP	6301	6549	6300	6548	0
1984	W ASHARD RD	FREEMAN TWP	FREEMAN TWP	6551	6699	6550	6698	0
1987	W ASHARD RD	FREEMAN TWP	FREEMAN TWP	6051	6999	6050	6998	0
3346	W ASHARD RD	FREEMAN TWP	FREEMAN TWP	7501	7989	0	0	0
3318	BEECH TREE	SURREY TWP	SURREY TWP	3131	3199	3130	3200	0
3320	BEECH TREE	SURREY TWP	SURREY TWP	3131	3149	3130	3148	0
3147	S CLARE AVE	GRANT TWP	GRANT TWP	9041	9999	9040	9998	0
841	S CLARE AVE	GRANT TWP	GRANT TWP	9001	9939	9000	9938	0
3380	N CORNING ST	FARWELL	FARWELL	171	299	170	298	0
2414	N CORNING ST	FARWELL	FARWELL	1	199	2	198	0
3145	S EBERHART AVE	GRANT TWP	GRANT TWP	11911	11999	11900	11998	0
842	S EBERHART AVE	GRANT TWP	GRANT TWP	11001	11909	11000	11908	0
1027	FIVE LAKES DR	GRANT TWP	GRANT TWP	7401	7579	7400	7578	0
3096	FIVE LAKES DR	GRANT TWP	GRANT TWP	7581	7749	7580	7748	0

Import Data

- Exception Field
  - Add a field called EXCEPTION to your local data – Long Integer Data Type

Exception Code	Exception Description
1	Limited Access Highway Features
2	Driveways or Non-Addressable Feature
3	Legacy Addressing Scenario
4	Local Road Naming Convention
5	Value Falls Outside of Jurisdiction
6	Correction Pending Local Review
7	Overlapping Segment Is Valid

Import Data

- RCLIDs – Need to be populated and unique
  - Can use any local unique ID locally needs to be compatible for upload into alphanumeric field type with a 50 character limit
  - Populate using OBJECTID or FID during import process or calculate that field to OBJECTID or FID in your local data

Import Data

- QA/QC check similar to data assessments that were run as part of grant project
- Additional field checks during import
  - Jurisdiction values
  - Source and date of update
- Critical Errors – That would prevent loading of data – no projection file, no RCLID, data types

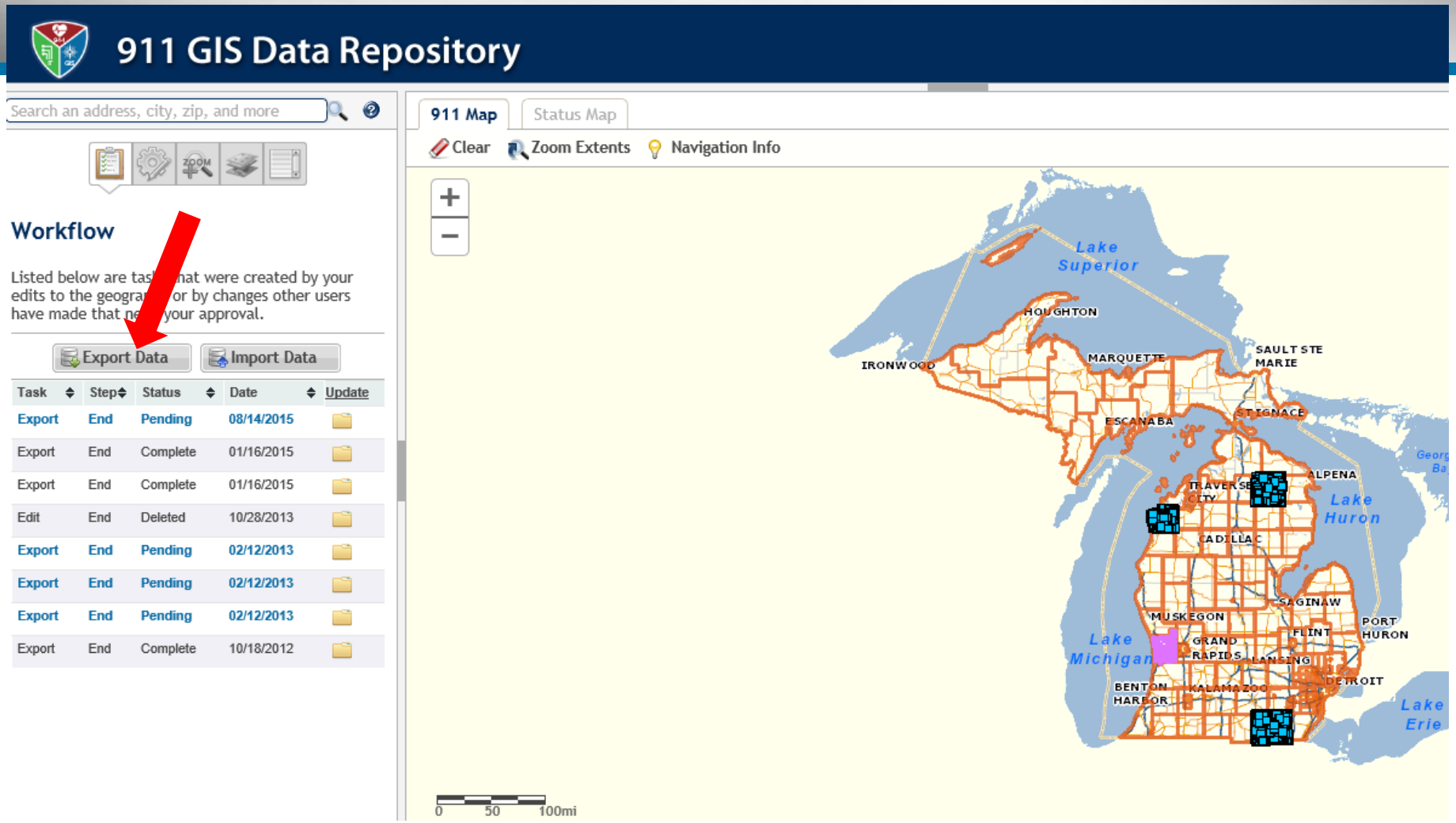
Export Data

- User needs to have been assigned export rights to export any other jurisdiction's dataset
- PSAP Administrator must initiate request for one of their users to have export rights to neighboring jurisdiction's data
- PSAP Administrators have export rights to all dataset as a system setting
  - Allows for access to datasets in case of large emergency event

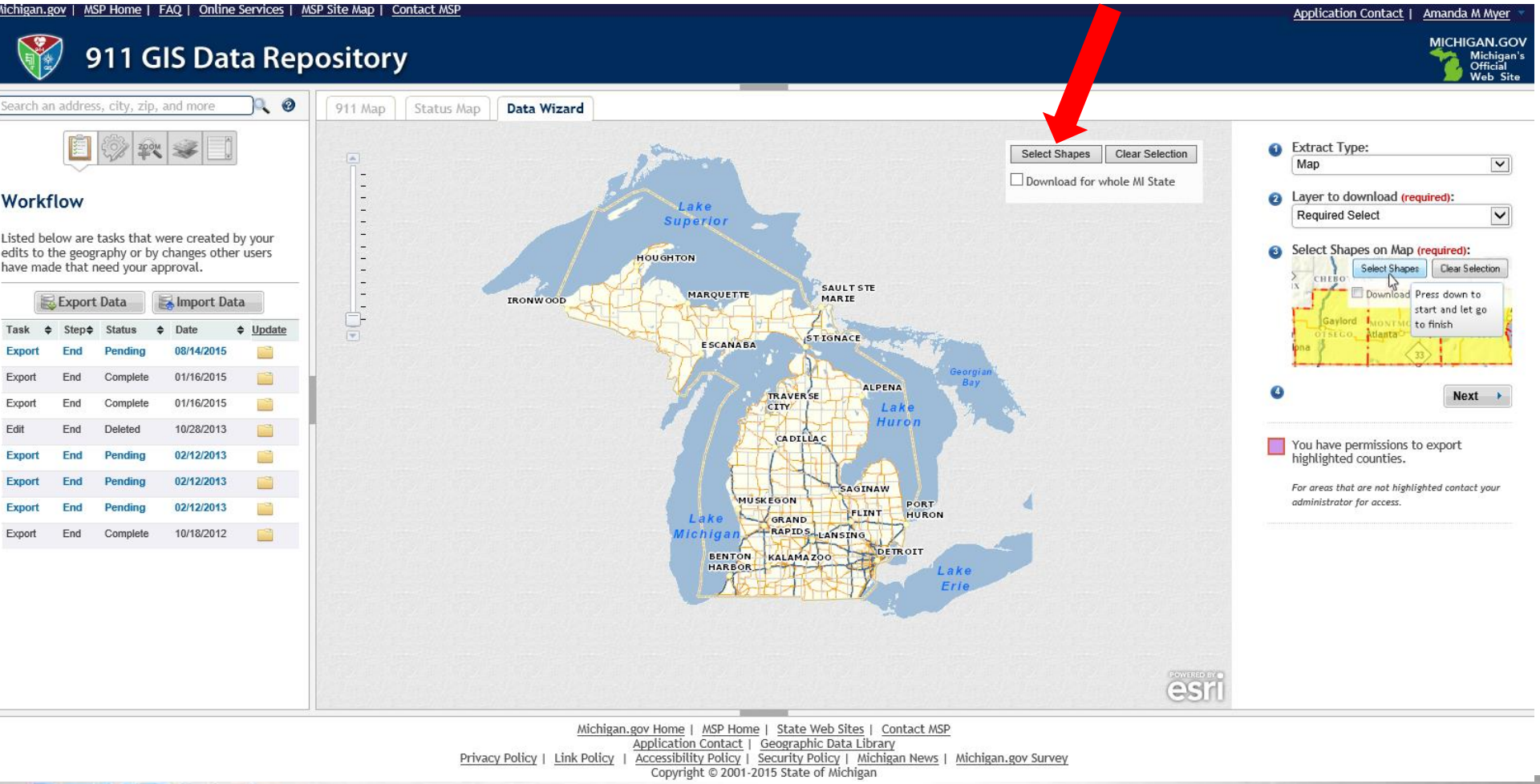
Export Data

Demonstration

Export Data


911 GIS Data Repository
Search an address, city, zip, and more
Workflow
Listed below are tas hat were created by your edits to the geogra or by changes other users have made that n your approval.
Export Data
Import Data
Task
Step
Status
Date
Update
Export End Pending 08/14/2015
Export End Complete 01/16/2015
Export End Complete 01/16/2015
Edit End Deleted 10/28/2013
Export End Pending 02/12/2013
Export End Pending 02/12/2013
Export End Pending 02/12/2013
Export End Complete 10/18/2012
911 Map
Status Map
Clear
Zoom Extents
Navigation Info
Lake Superior
HOUGHTON
IRONWOOD
MARQUETTE
SAULT STE MARIE
ESCANABA
ALPENA
TRAVERSE CITY
Lake Huron
CADILLAC
SAGINAW
MUSKEGON
PORT HURON
FLINT
Lake Michigan
GRAND RAPIDS
LANSING
DETROIT
BENTON HARBOR
KALAMAZOO
Lake Erie
0
50
100mi

Export Data

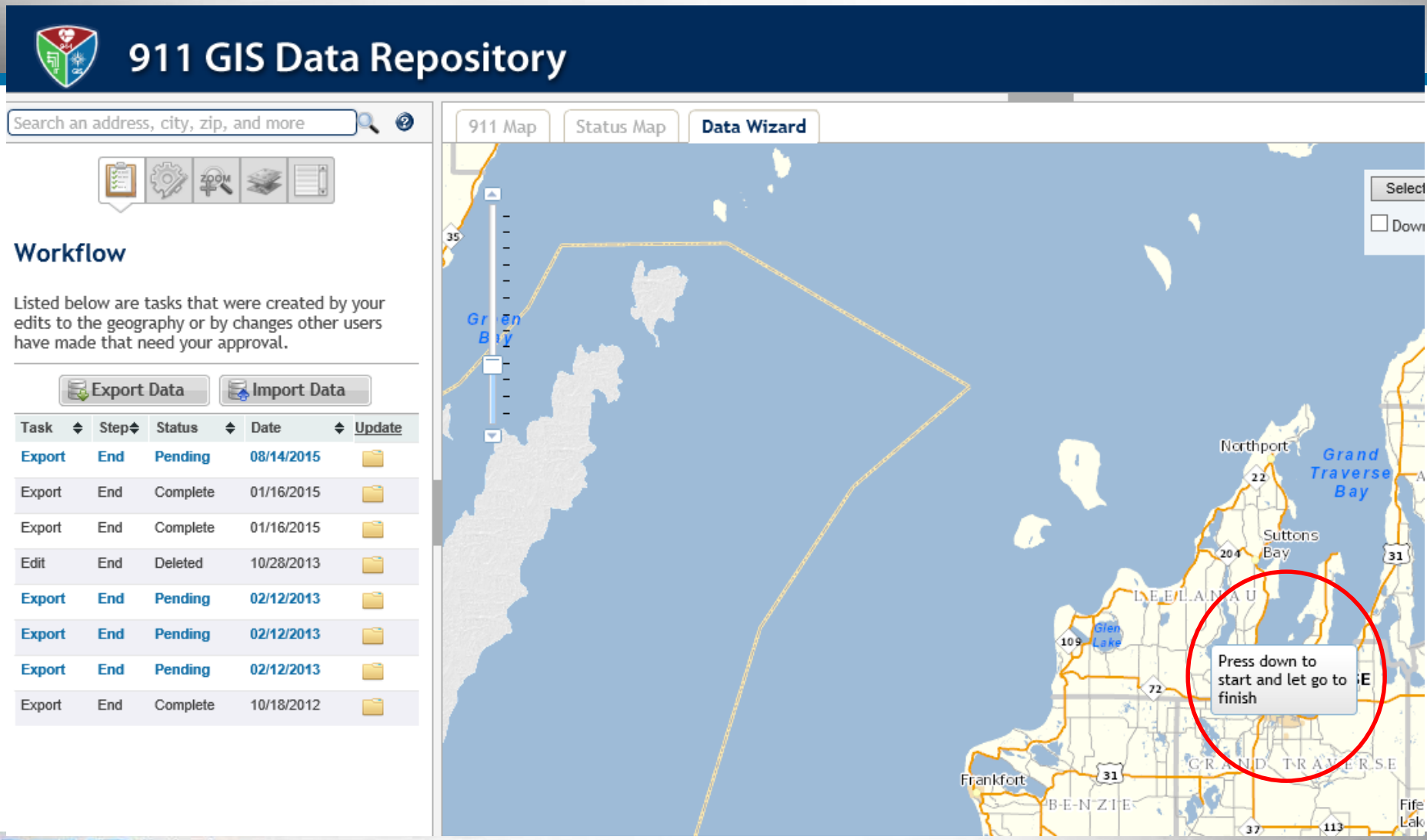


DTMB Technology, Management & Budget

www.michigan.gov/911gisgrant

9-1-1 GIS GRANT PROJECT

Export Data



Technology, Management & Budget

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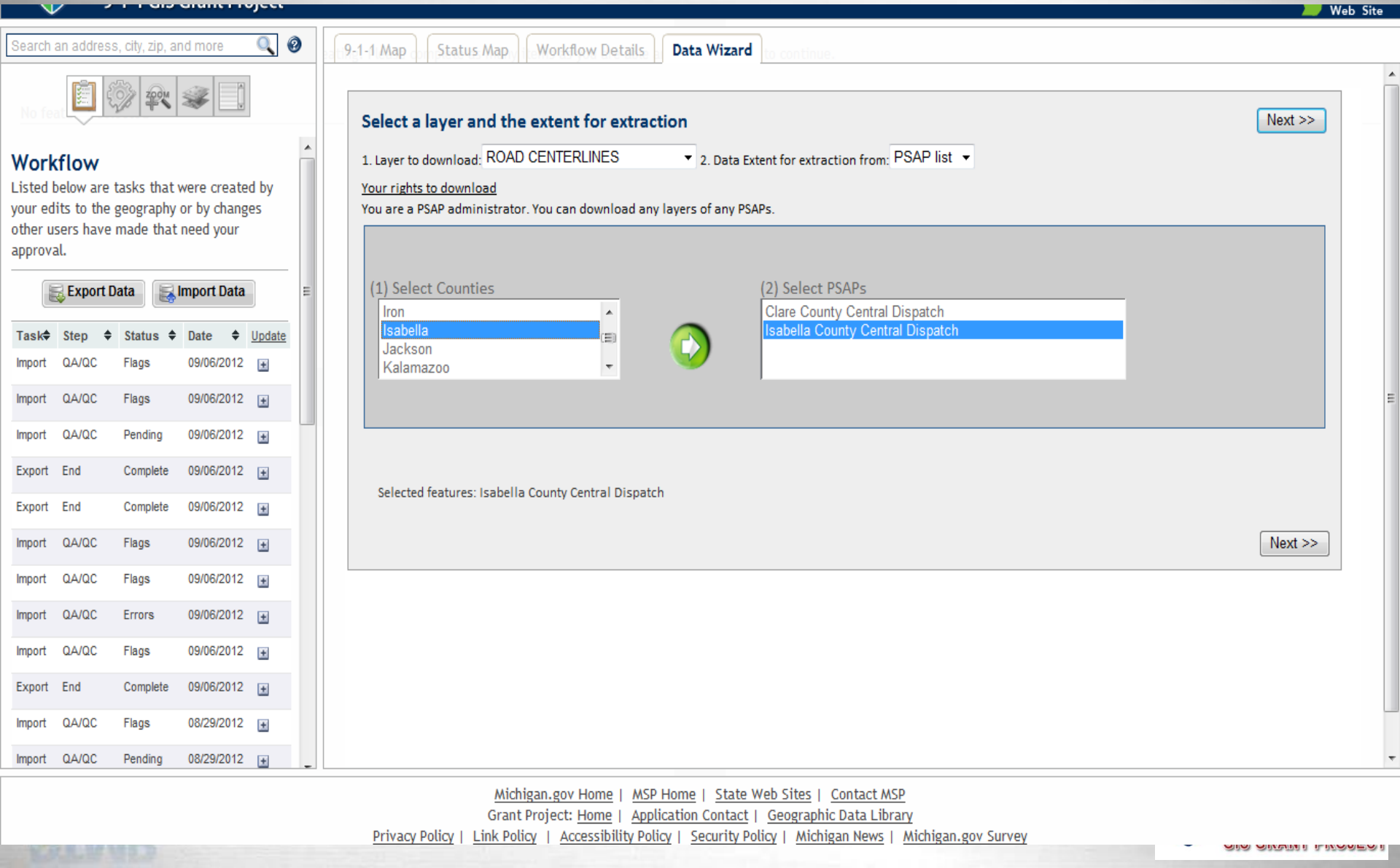
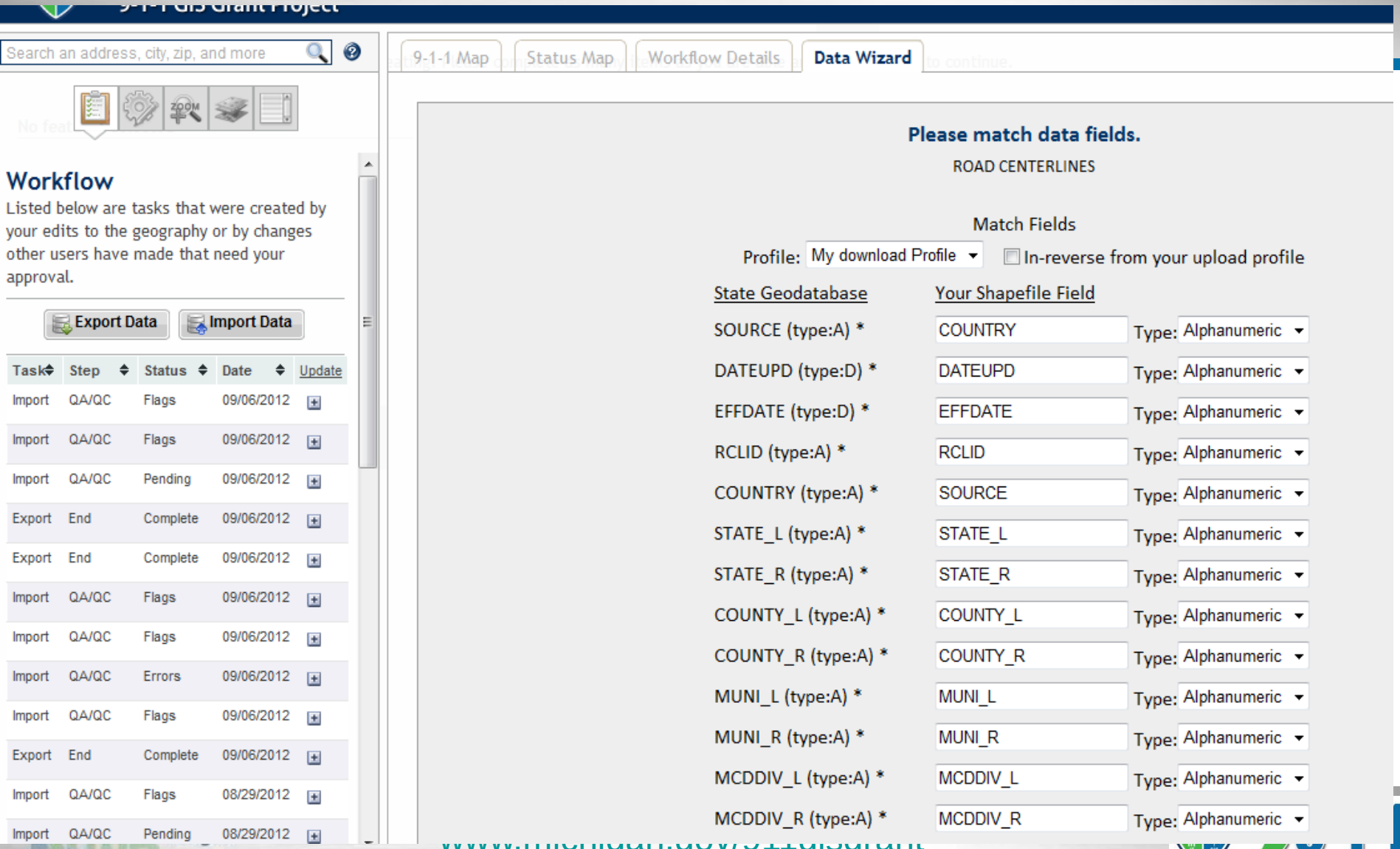
9-1-1 GIS GRANT PROJECT

Export Data

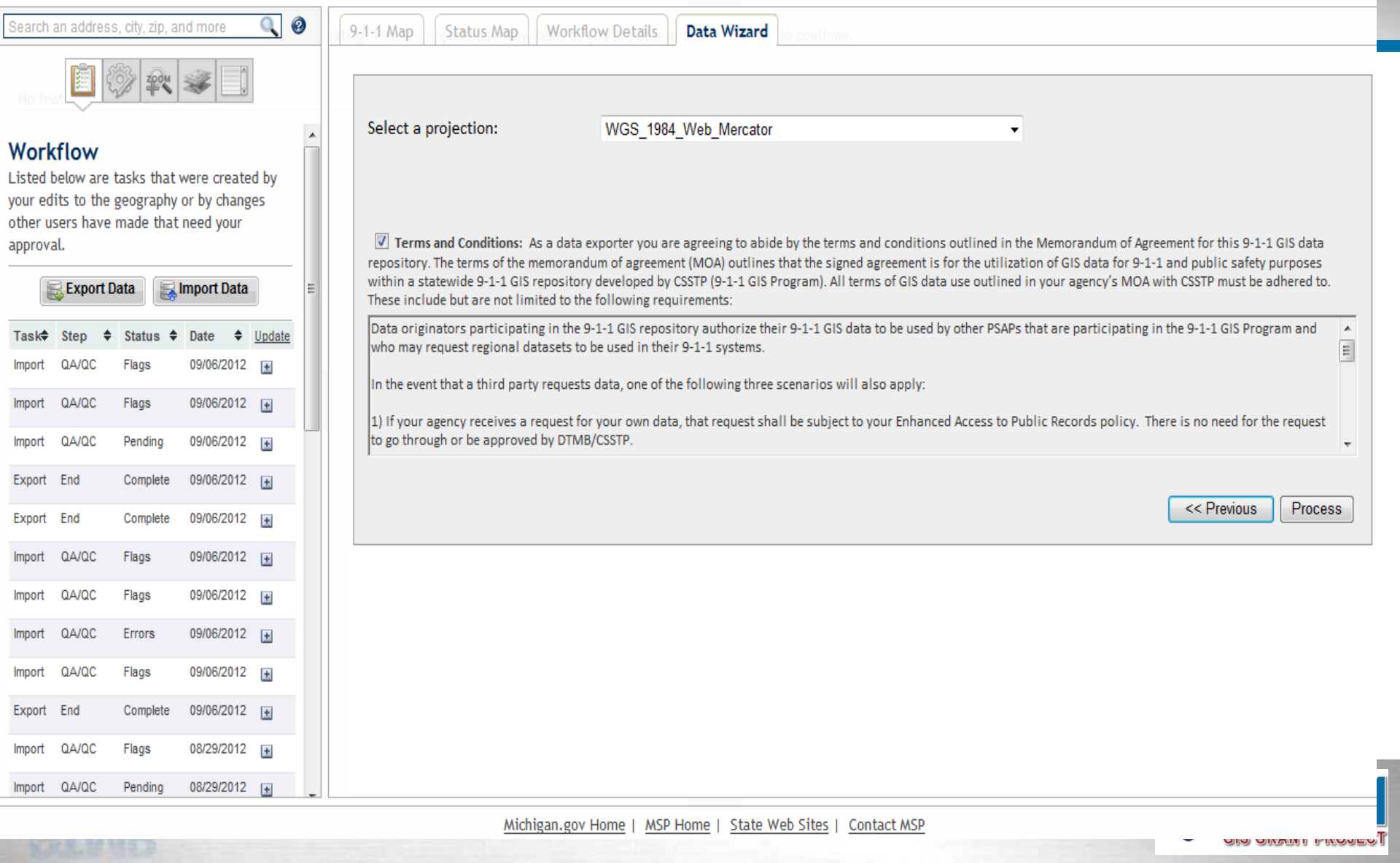
Export Data


Web Site
Search an address, city, zip, and more
9-1-1 Map
Status Map
Workflow Details
Data Wizard
Workflow
Listed below are tasks that were created by your edits to the geography or by changes other users have made that need your approval.
Export Data
Import Data
Task
Step
Status
Date
Update
Import QA/QC Flags 09/06/2012
Import QA/QC Flags 09/06/2012
Import QA/QC Pending 09/06/2012
Export End Complete 09/06/2012
Export End Complete 09/06/2012
Import QA/QC Flags 09/06/2012
Import QA/QC Flags 09/06/2012
Import QA/QC Errors 09/06/2012
Import QA/QC Flags 09/06/2012
Export End Complete 09/06/2012
Import QA/QC Flags 08/29/2012
Import QA/QC Pending 08/29/2012
Select a layer and the extent for extraction
Next >>
1. Layer to download: ROAD CENTERLINES
2. Data Extent for extraction from: PSAP list
Your rights to download
You are a PSAP administrator. You can download any layers of any PSAPs.
(1) Select Counties
Iron
Isabella
Jackson
Kalamazoo
(2) Select PSAPs
Clare County Central Dispatch
Isabella County Central Dispatch
Selected features: Isabella County Central Dispatch
Next >>
Michigan.gov Home | MSP Home | State Web Sites | Contact MSP
Grant Project: Home | Application Contact | Geographic Data Library
Privacy Policy | Link Policy | Accessibility Policy | Security Policy | Michigan News | Michigan.gov Survey

Export Data


Search an address, city, zip, and more
Workflow
Listed below are tasks that were created by your edits to the geography or by changes other users have made that need your approval.
Export Data
Import Data
Task
Step
Status
Date
Update
Import QA/QC Flags 09/06/2012
Import QA/QC Flags 09/06/2012
Import QA/QC Pending 09/06/2012
Export End Complete 09/06/2012
Export End Complete 09/06/2012
Import QA/QC Flags 09/06/2012
Import QA/QC Flags 09/06/2012
Import QA/QC Errors 09/06/2012
Import QA/QC Flags 09/06/2012
Export End Complete 09/06/2012
Import QA/QC Flags 08/29/2012
Import QA/QC Pending 08/29/2012
9-1-1 Map
Status Map
Workflow Details
Data Wizard
Please match data fields.
ROAD CENTERLINES
Match Fields
Profile: My download Profile
In-reverse from your upload profile
State Geodatabase
Your Shapefile Field
SOURCE (type:A) * COUNTRY Type: Alphanumeric
DATEUPD (type:D) * DATEUPD Type: Alphanumeric
EFFDATE (type:D) * EFFDATE Type: Alphanumeric
RCLID (type:A) * RCLID Type: Alphanumeric
COUNTRY (type:A) * SOURCE Type: Alphanumeric
STATE_L (type:A) * STATE_L Type: Alphanumeric
STATE_R (type:A) * STATE_R Type: Alphanumeric
COUNTY_L (type:A) * COUNTY_L Type: Alphanumeric
COUNTY_R (type:A) * COUNTY_R Type: Alphanumeric
MUNI_L (type:A) * MUNI_L Type: Alphanumeric
MUNI_R (type:A) * MUNI_R Type: Alphanumeric
MCDDIV_L (type:A) * MCDDIV_L Type: Alphanumeric
MCDDIV_R (type:A) * MCDDIV_R Type: Alphanumeric

Export Data


Search an address, city, zip, and more
9-1-1 Map
Status Map
Workflow Details
Data Wizard
Workflow
Listed below are tasks that were created by your edits to the geography or by changes other users have made that need your approval.
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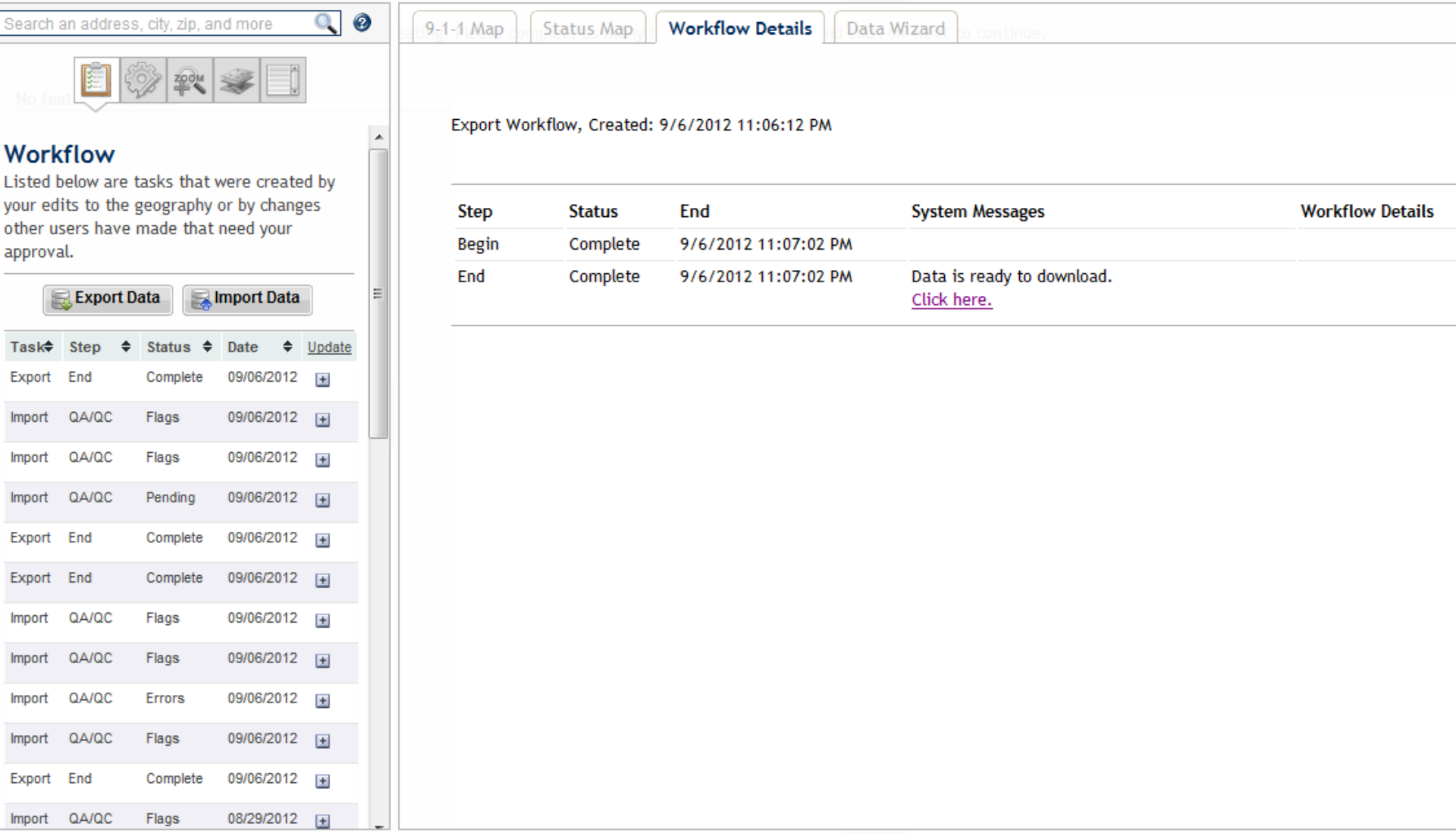
Import Data
Task
Step
Status
Date
Update
Import QA/QC Flags 09/06/2012
Import QA/QC Flags 09/06/2012
Import QA/QC Pending 09/06/2012
Export End Complete 09/06/2012
Export End Complete 09/06/2012
Import QA/QC Flags 09/06/2012
Import QA/QC Flags 09/06/2012
Import QA/QC Errors 09/06/2012
Import QA/QC Flags 09/06/2012
Export End Complete 09/06/2012
Import QA/QC Flags 08/29/2012
Import QA/QC Pending 08/29/2012
Select a projection:
WGS_1984_Web_Mercator
Terms and Conditions: As a data exporter you are agreeing to abide by the terms and conditions outlined in the Memorandum of Agreement for this 9-1-1 GIS data repository. The terms of the memorandum of agreement (MOA) outlines that the signed agreement is for the utilization of GIS data for 9-1-1 and public safety purposes within a statewide 9-1-1 GIS repository developed by CSSTP (9-1-1 GIS Program). All terms of GIS data use outlined in your agency's MOA with CSSTP must be adhered to. These include but are not limited to the following requirements:
Data originators participating in the 9-1-1 GIS repository authorize their 9-1-1 GIS data to be used by other PSAPs that are participating in the 9-1-1 GIS Program and who may request regional datasets to be used in their 9-1-1 systems.
In the event that a third party requests data, one of the following three scenarios will also apply:
1) If your agency receives a request for your own data, that request shall be subject to your Enhanced Access to Public Records policy. There is no need for the request to go through or be approved by DTMB/CSSTP.
<< Previous
Process
Michigan.gov Home | MSP Home | State Web Sites | Contact MSP

Export Data


Search an address, city, zip, and more
Workflow
Listed below are tasks that were created by your edits to the geography or by changes other users have made that need your approval.
Export Data
Import Data
Task
Step
Status
Date
Update
Export End Complete 09/06/2012
Import QA/QC Flags 09/06/2012
Import QA/QC Flags 09/06/2012
Import QA/QC Pending 09/06/2012
Export End Complete 09/06/2012
Export End Complete 09/06/2012
Import QA/QC Flags 09/06/2012
Import QA/QC Flags 09/06/2012
Import QA/QC Errors 09/06/2012
Import QA/QC Flags 09/06/2012
Export End Complete 09/06/2012
Import QA/QC Flags 08/29/2012
9-1-1 Map
Status Map
Workflow Details
Data Wizard
Export Workflow, Created: 9/6/2012 11:06:12 PM
Step
Status
End
System Messages
Workflow Details
Begin Complete 9/6/2012 11:07:02 PM
End Complete 9/6/2012 11:07:02 PM
Data is ready to download.
Click here.

Export Data

- CAD profiles
- Working with your CAD vendor to integrate regional maps
- Review edge-match, when possible and coordinate with neighboring jurisdictions where larger discrepancies exist
- Data layers – road centerlines, PSAP boundaries, emergency services zones*, structure points* (* incomplete statewide layers)

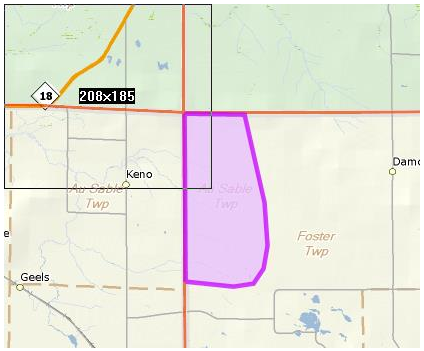
Red Line Edits- PSAP Boundary

- PSAP Boundary Change Requests
  - Internal communication must be established at local level for approval process
  - Jurisdictions where Michigan Geographic Framework road centerlines are being use have opportunity to use the PSAP Boundary Change tools to make requests or approve changes since PSAP layer developed for the project is statewide

Red Line Tools – PSAP Boundary

- Requesting PSAP Boundary Change

PSAP A



PSAP B

PSAP Administrator
Makes Red Line Edit and Starts Approval Workflow

PSAP Administrator
Receives Email to Log into System and Approve PSAP Boundary Change

PSAP Administrator Receives Status Email

PSAP Administrator
Approves or Denies
PSAP Boundary Change

Red Line Tools – PSAP Boundary

- Requesting PSAP Boundary Change

CSSTP

If Approved by All Affected PSAPs. CSSTP Staff Make Boundary Change and Workflow Sent for Final Approval By All PSAPS Affected By Change

PSAP Administrator Receives Status Email

Affected PSAPs

PSAP Administrators Receive Email to Log into System and Review Final Boundary Edits And Make Final Approval

PSAP Administrator Approves or Denies PSAP Boundary Change

Red Line Edits- PSAP Boundary

Demonstration

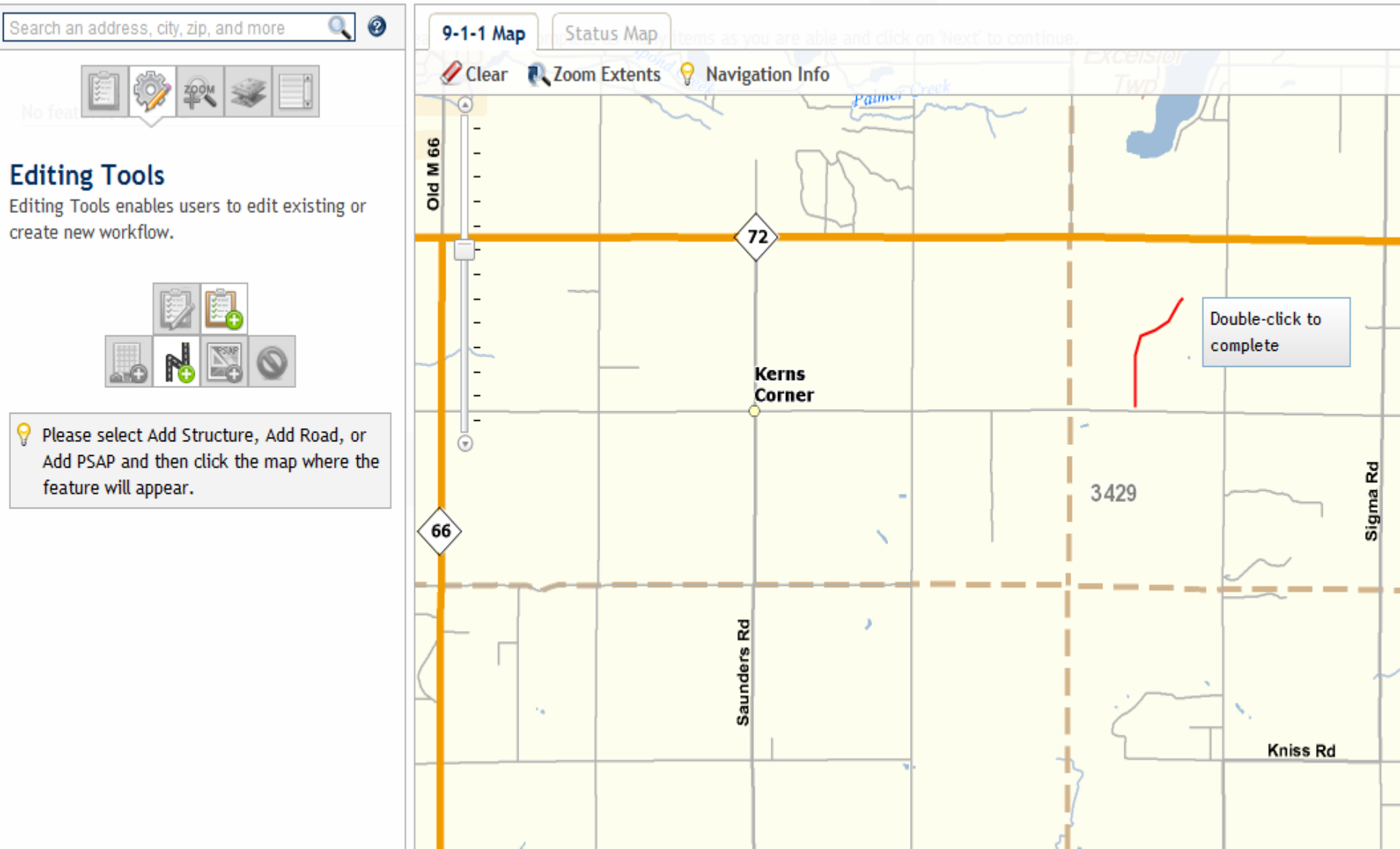
Red Line Edits – Roads or Points

- All users can add red line edits for road or structure points
  - Internal protocol for who red lines can be established, if necessary
  - Notification email goes to PSAP admin and GIS importer for the jurisdiction that the red line is drawn
  - If road is drawn across multiple PSAP jurisdictions, PSAP admin and GIS importer from both jurisdictions get notifications

Red Line Edits – Roads or Points

Demonstration

Red Line Edits – Roads or Points

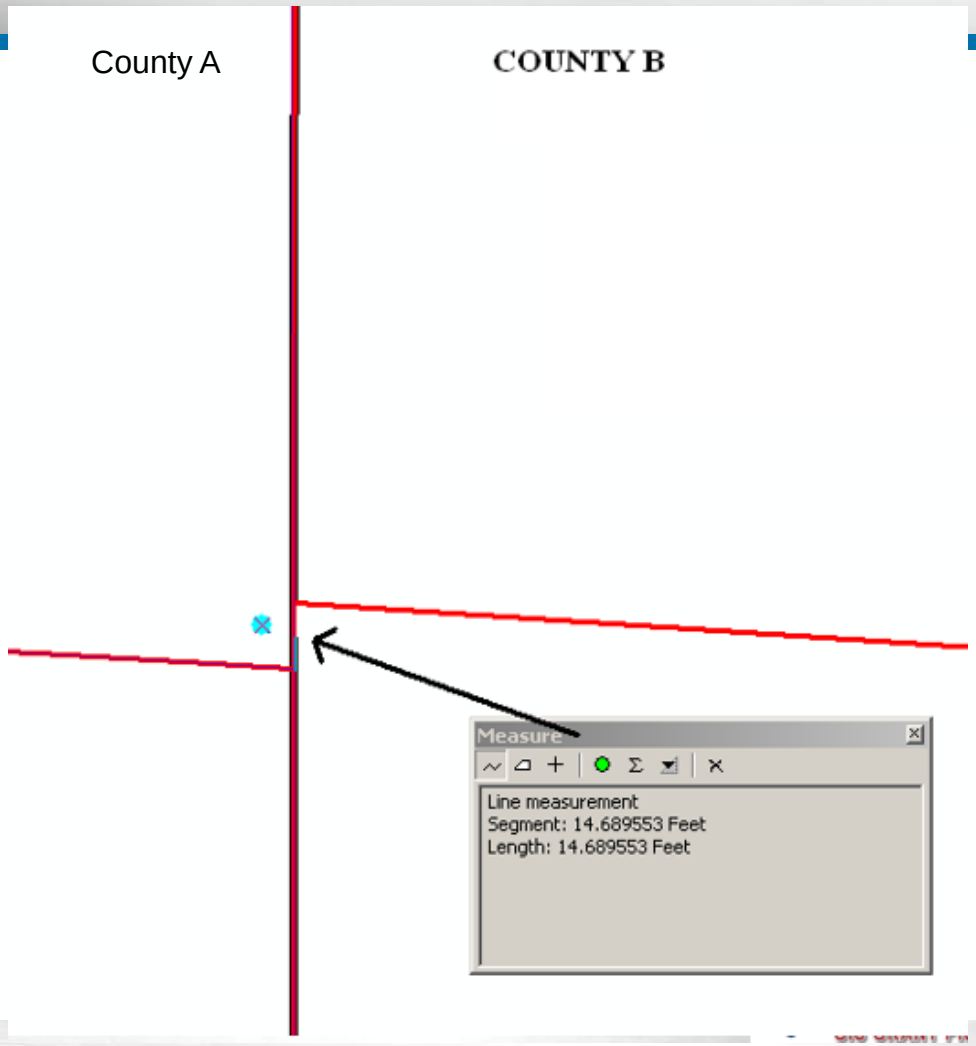


Edge-matching

- Edge-matching is run during import. Roads are snapped to PSAP boundary layer
- Continued coordination between jurisdictions for edge-matching and addressing attributes along boundaries is also a NENA recommendation for sustaining long-term 9-1-1 GIS data integrity in preparation for NG9-1-1

Edge-matching

Edge-matching



Addressing Guide

- Guidelines for addressing techniques
- Continue to incorporate standardization
- Road naming guidelines
- Addressing scenarios
- There will be unique local addressing scenarios
- GIS and MSAG synchronization

More Information

- www.michigan.gov/911GISGrant
- www.michigan.gov/snc
  - Harriet Miller-Brown
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    - 517-243-2075
  - Cindy Homant
    - HomantC@michigan.gov
    - 517-284-3032
  - Mark Holmes
    - HolmesM3@michigan.gov
    - 517-241-6469

Questions

Open Discussion