

Michigan Department of Natural Resources

State Forest Roads Editing Guide

DNR  **GIS**

Resource Assessment Section



[Click here to launch Road Editor](#)

If you are not currently logged in, you will be prompted to enter your ArcGIS Online username and password.

[Home](#) [Gallery](#) [Map](#) [Scene](#) [Groups](#)

Sign In

Sign in to ArcGIS Online with username and password provided to you by the Resource Assessment Section

Sign in to Michigan Department of Natural Resources

Username

Password

Keep me signed in

SIGN IN

[Forgot password?](#) [Forgot username?](#)

Sign in to Michigan Department of Natural Resources

Username

luotoc_dnr1

Password

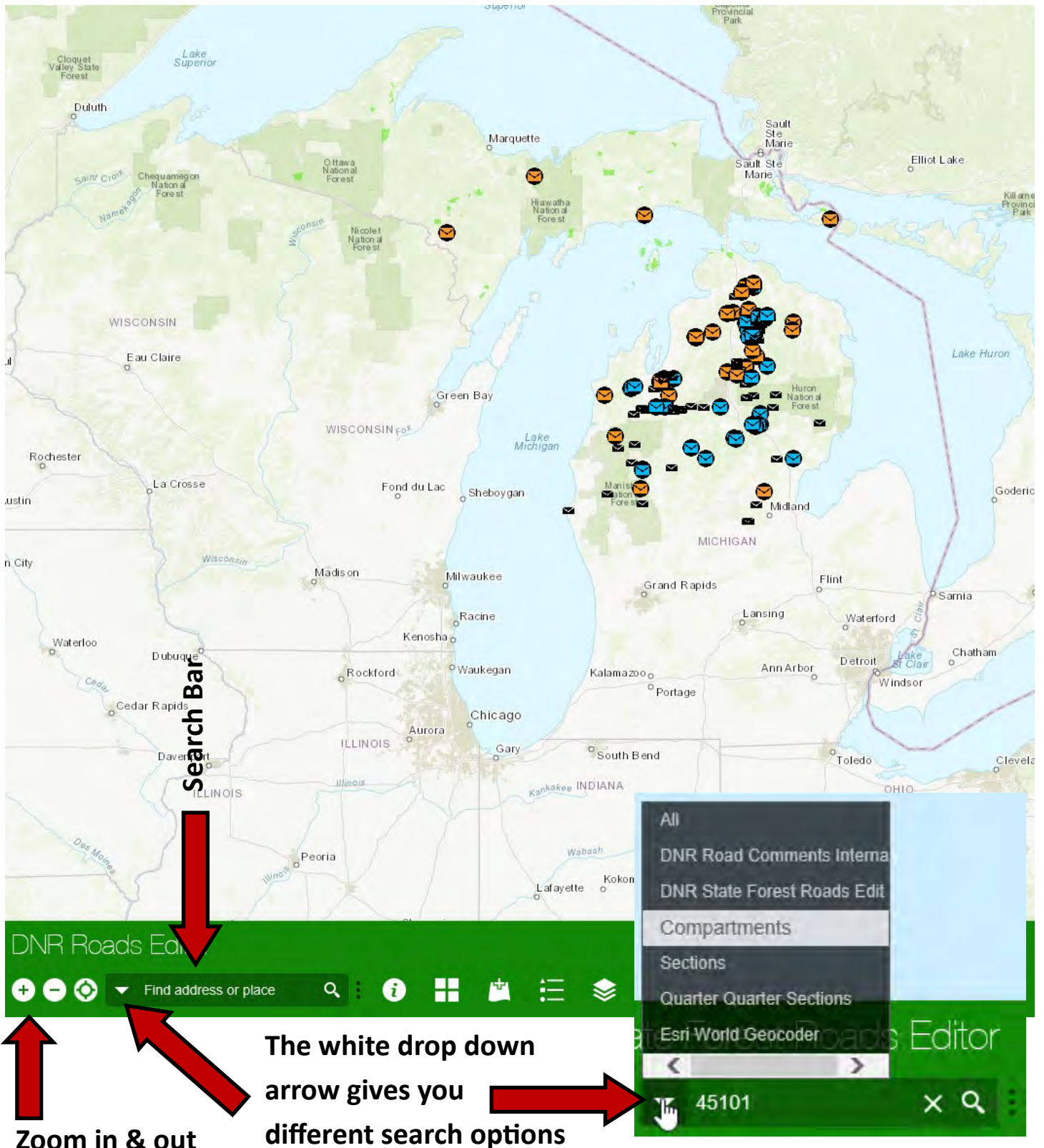
Keep me signed in

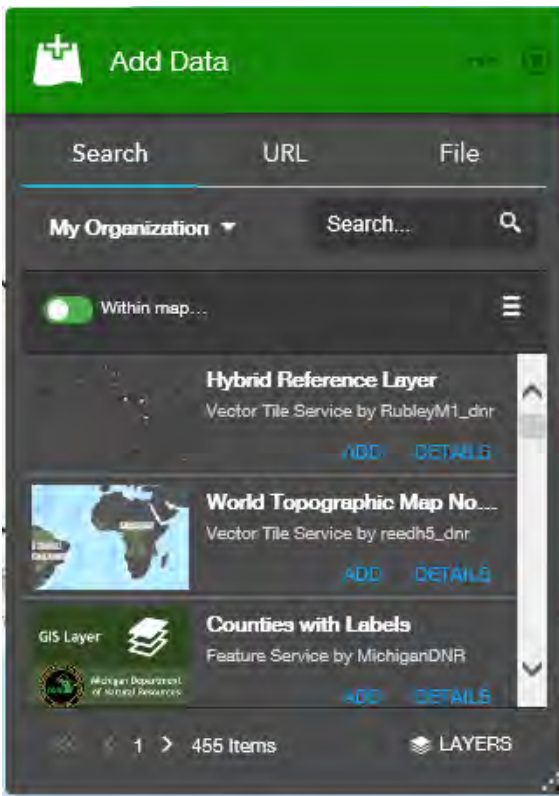
SIGN IN

[Forgot password?](#) [Forgot username?](#)

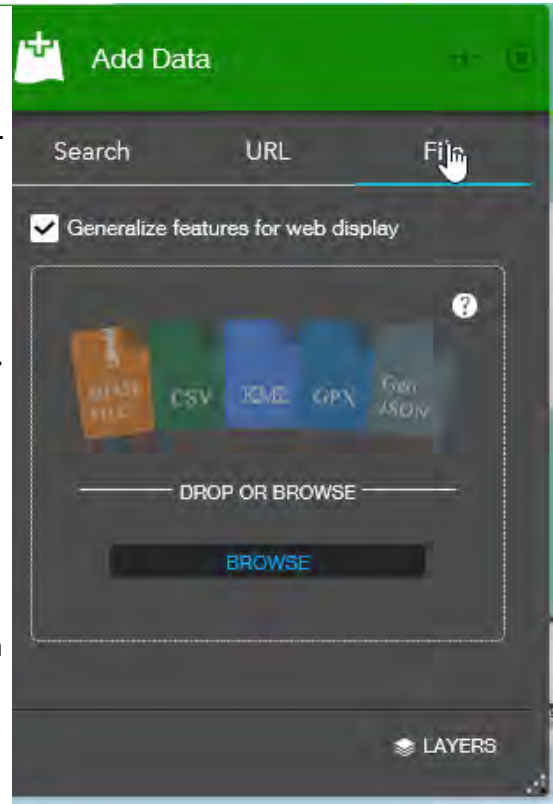
Check the box to limit the frequency of having to put in your user credentials

Zooming to your work area can be done with zoom buttons below, holding shift and drawing a box, rolling your mouse wheel (with your cursor over the area you wish to zoom to) or using the search box and typing in the compartment number or address.

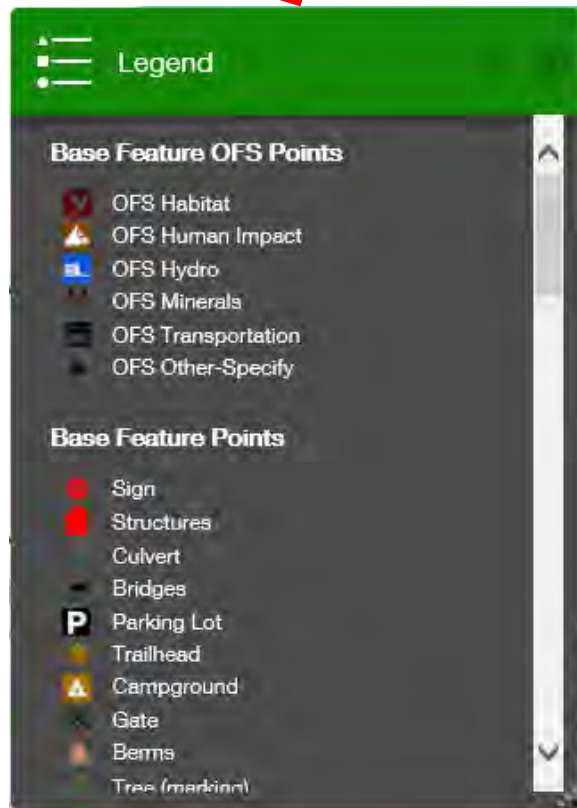


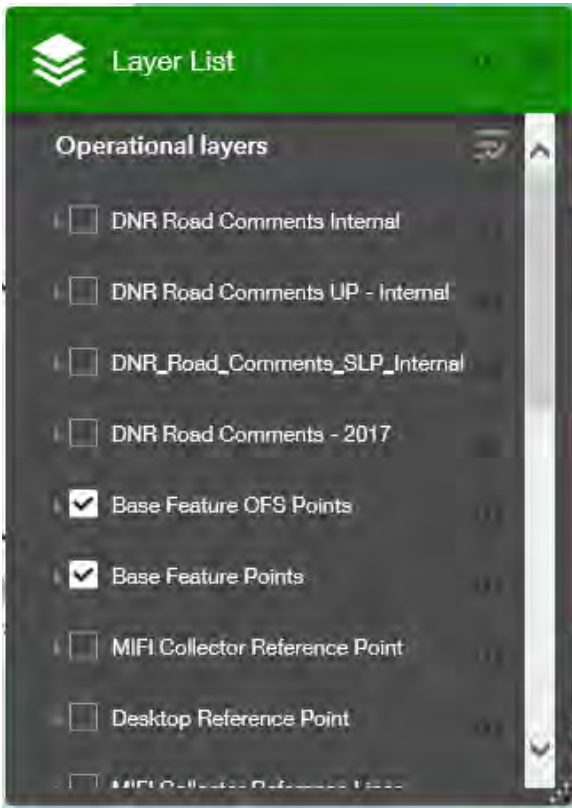


You can add data several ways, by searching within your organization, or thousands of other hosted data sets. Or you can drop in your own gpx, kml or shapefile. If you want to add a shapefile, you need to zip the .shp, .shx, .dbf & the .prj files together and then drop in the zip file.



There are numerous Basemap options to choose from.





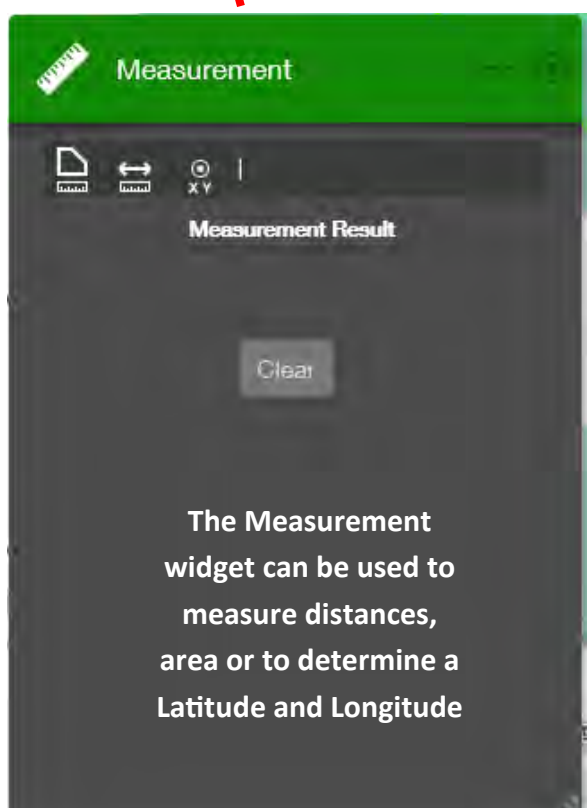
Layer visibility can be toggled on and off using the Layer List



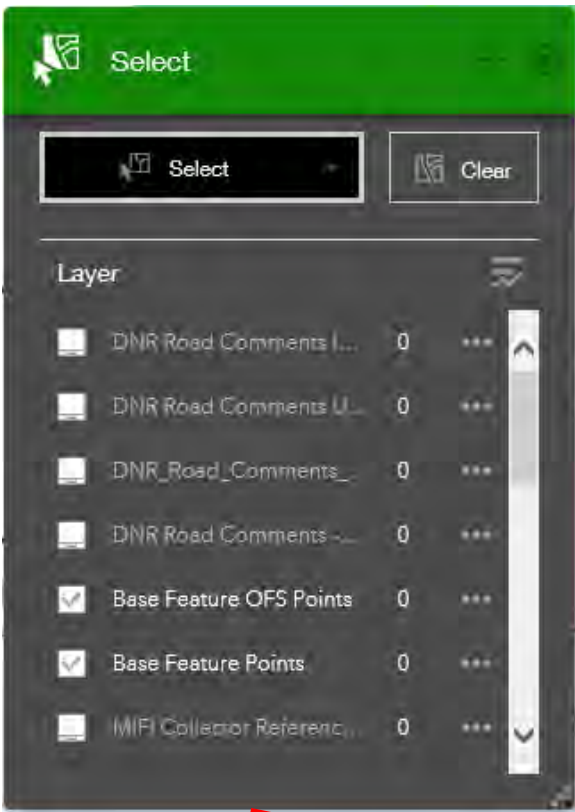
The Batch Editor is used for selecting multiple road segments and batch changing an attribute.



The Edit widget can cut or union road segments. It can also be used create new features, but it is recommended that you use the Smart Editor.



The Measurement widget can be used to measure distances, area or to determine a Latitude and Longitude



The Select widget toggles which layer are selectable on the map.

The Filter Widget allows you to only see the particular portion of a Layer that you are interested in.





The Edit widget is primarily used for editing fields for a layer. It can be used to create new feature and edit existing geometry,. Some features like Cut, Union and Reshape can only be found in the Edit Widget.



The Smart Editor Widget should be your first choice for most editing functions. When a feature is selected it allows you edit vertices and have the attributes window open for editing.

Road Inventory Editing Protocol

This road editing protocol is designed to address refinements to improve accuracy, changes approved at compartment review, timber sale prep, sale administration, land transactions, new road construction, road closure, etc.

Road Review Process not required:

Refinements are allowed throughout the year to the live Road Inventory layer and include:

Attribute Editing

Surface type

Ownership or managing division

Condition

Classification of road that does not affect ORV status or motorized use

Spatial Edits

Move a segment within 1/10 mile from current location (this includes extending or shortening a segment)

Road Review Process required:

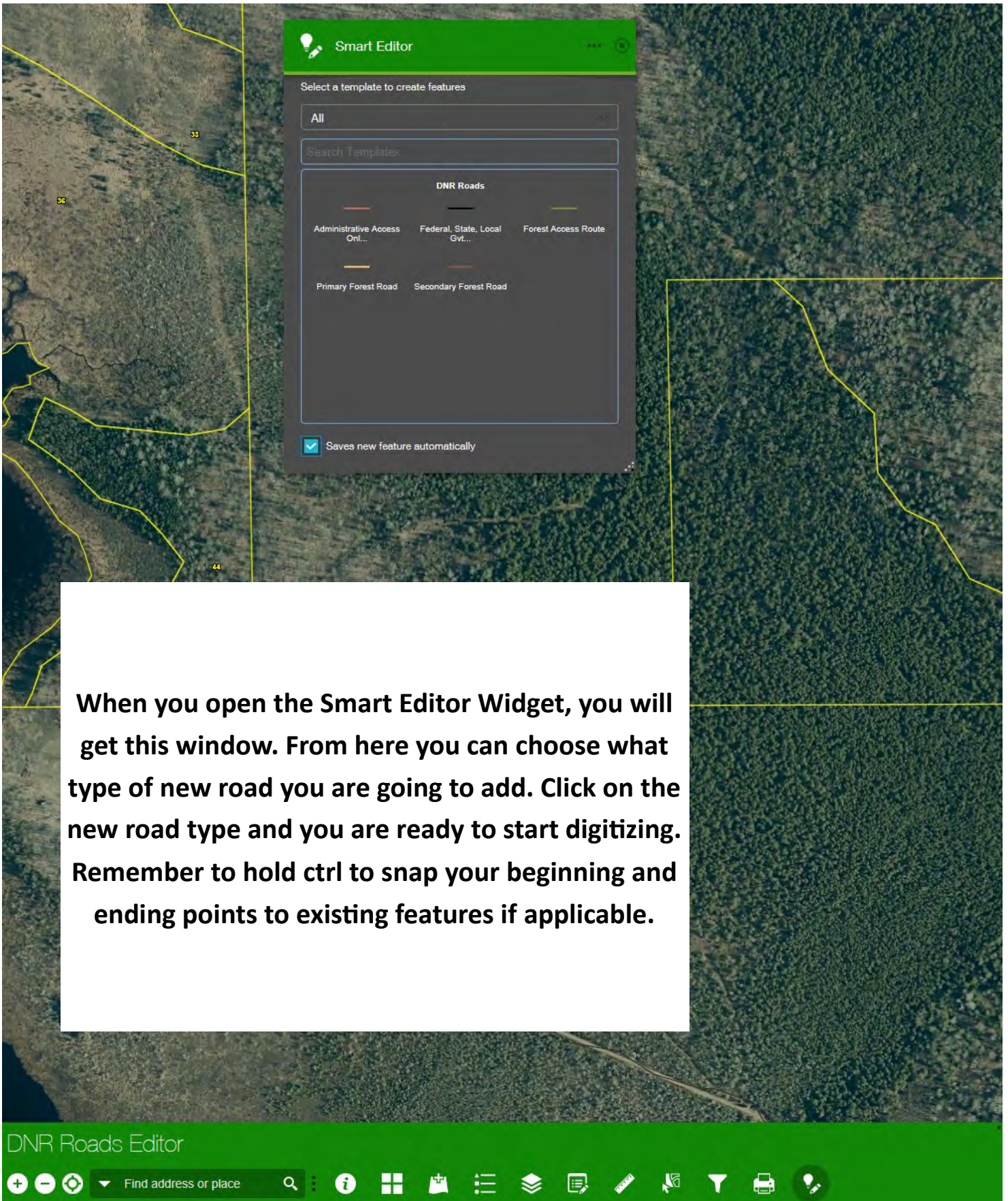
Proposed changes to the live Road Inventory layer include these scenarios:

Changing ORV/Conventional vehicle status

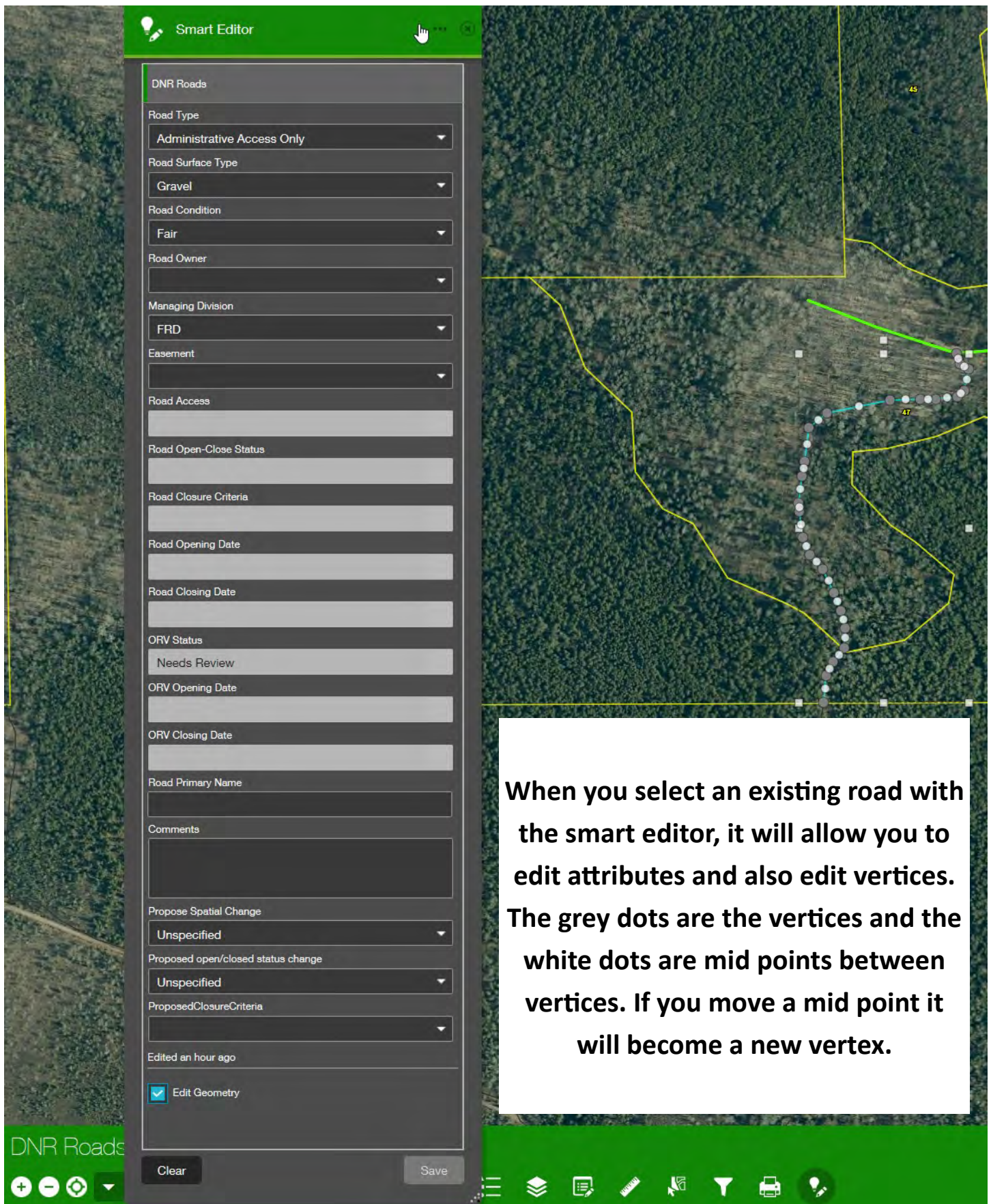
Deleting a road that does not exist or decreasing the length by >1/10 mi.

Digitizing new roads or extending beyond 1/10mi.

This would include **attribute** edits and **spatial** edits (splits) as needed, capturing all relevant data from the original roads inventory, including the ORV/Conventional Vehicle status, as well as the approval status and justification fields.



When you open the Smart Editor Widget, you will get this window. From here you can choose what type of new road you are going to add. Click on the new road type and you are ready to start digitizing. Remember to hold ctrl to snap your beginning and ending points to existing features if applicable.



After you digitize and new road or select an existing road to edit, you need to update the attributes. You will see several changes from the old attributes. This is so we are in compliance with PA 288.

Add a Road

- Proposed open/closed status change
- Close to ORV**
- ProposedClosureCriteria
- Open-Registered Vehicle Only
- Closed-Environment and Resource Protection
- Closed-Dedicated or Nominated Natural Area
- Closed-Visual Quality Objectives
- Closed-Proximity to Private Property
- Closed-Litter and Dumping
- Closed-User Safety
- Closed-Lack of Legal Access
- Closed-Road Density
- Closed-Reduce User Conflict
- Closed-Poor Road Conditions
- Closed-Deed Restriction
- Closed-Management Plan
- Closed-Military Land Restrictions
- (INACTIVE) Closed-Administrative Rule
- (INACTIVE) Closed-Land Use Order
- (INACTIVE) Closed-Temporary Management Access
- (INACTIVE) Open
- Open - Economic Impact
- Open - User Access
- Open - Connectivity

Road Type
Administrative Access Only

Road Surface Type
Dirt and Native Material

Road Condition
Fair

Road Owner
State

Managing Division
FRD

Easement

Road Access

Road Open-Close Status

Road Closure Criteria

Road Opening Date

Road Closing Date

ORV Status
Needs Review

ORV Opening Date

ORV Closing Date

Road Primary Name

Comments

Propose Spatial Change
Add a Road

Proposed open/closed status change
Close to ORV

ProposedClosureCriteria

Edited seconds ago

Edit Geometry

Clear Save

Propose Spatial Change

- Add a Road
- Delete Road
- Unspecified
- Land Disposal

Proposed open/closed status change

- Close to ORV
- Open to ORV
- Close to ORV
- Close to Conventional
- Unspecified
- Land Disposal

DNR Roads Editor

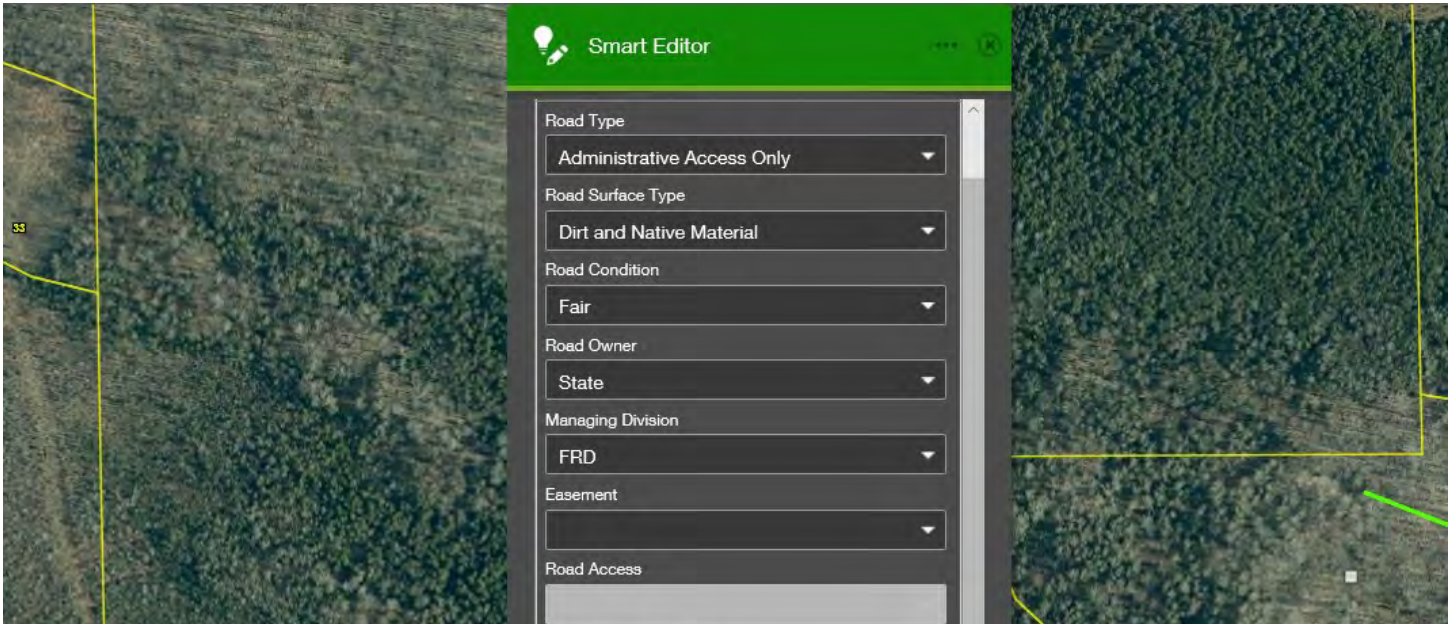
Find address or place

If you add a road, delete a road or change an existing roads geometry so it's length changes by more than .1 mile, you need to make sure the bottom three fields are properly attributed.

Proposed Spatial Change

Proposed open/closed status change

Proposed Closure Criteria



The new road you created or the existing road that you edited (if you changed the length by > .1 mile or changed the ORV status) is now a road proposal and will have to go through the PA 288 road proposal process. Be sure to stay in good communication with your Roads Lead to let them know where you have made changes so they can move them along in the process.

If you have question please contact your RAS lead or

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