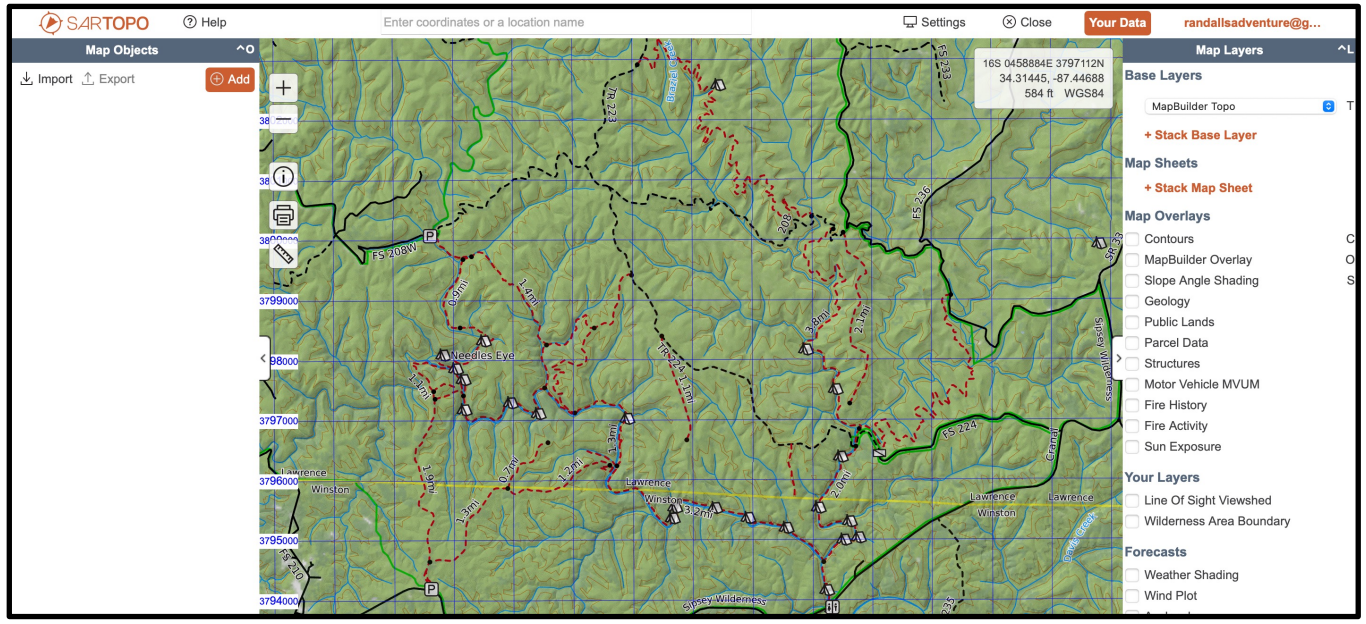
RAT-SAR

SarTopo – Web Based



This short presentation describes the basic use of the web-based SarTopo / CalTopo mapping system.

The web-based version integrates seamlessly with the app version.

Note: some features are only available on Pro or Team accounts.

If you already have a login (free account or team account) for the app version, use the same login for the web based version.

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Basic Operation

- System Settings
- Understanding Layers / Overlays
- Adding Objects
- Measuring
- Saving Maps
- Creating Assignments
- Creating Folders
- Adding Resources
- Creating 104s
- Sharing Maps
- Importing / Exporting Data

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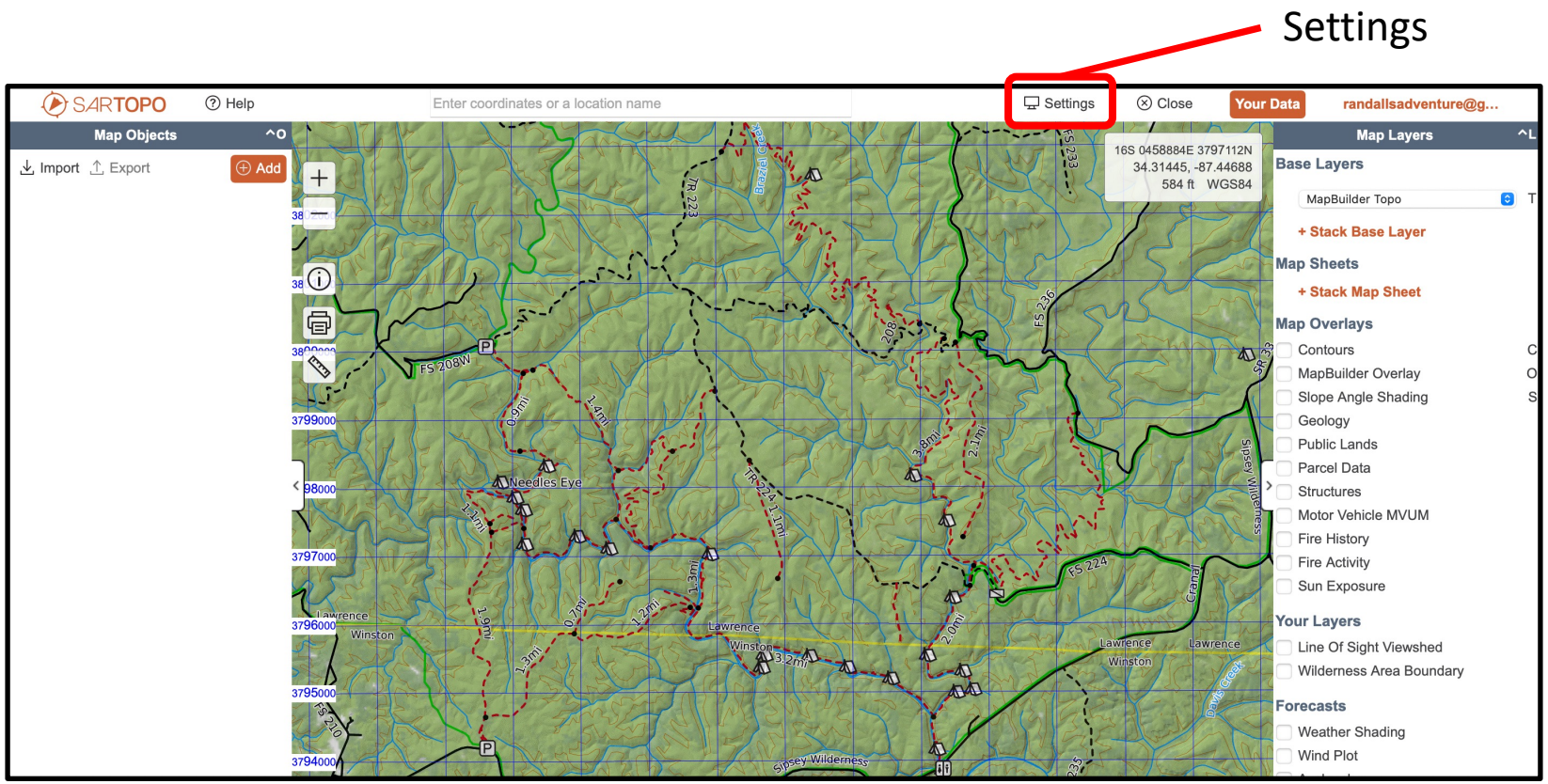
Common Settings



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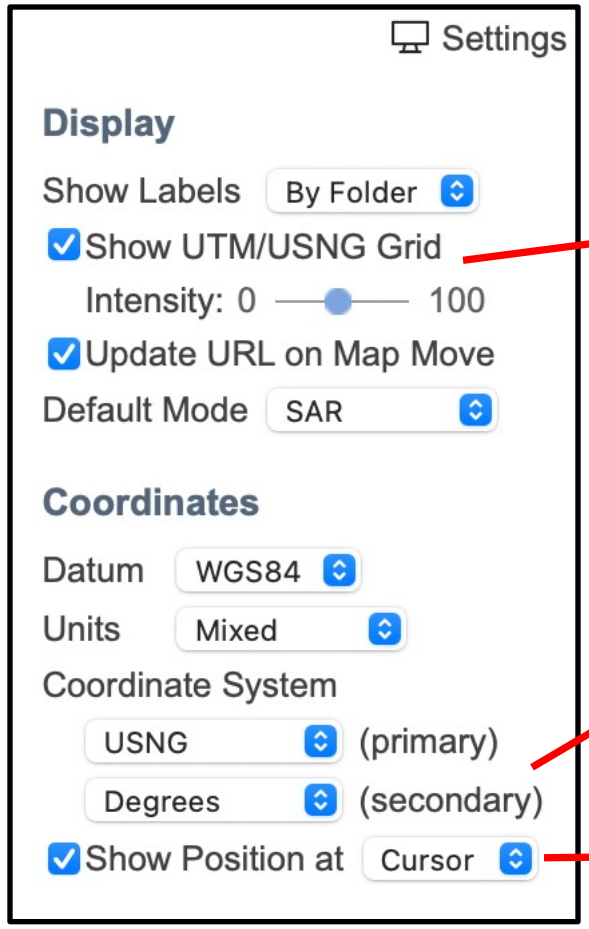
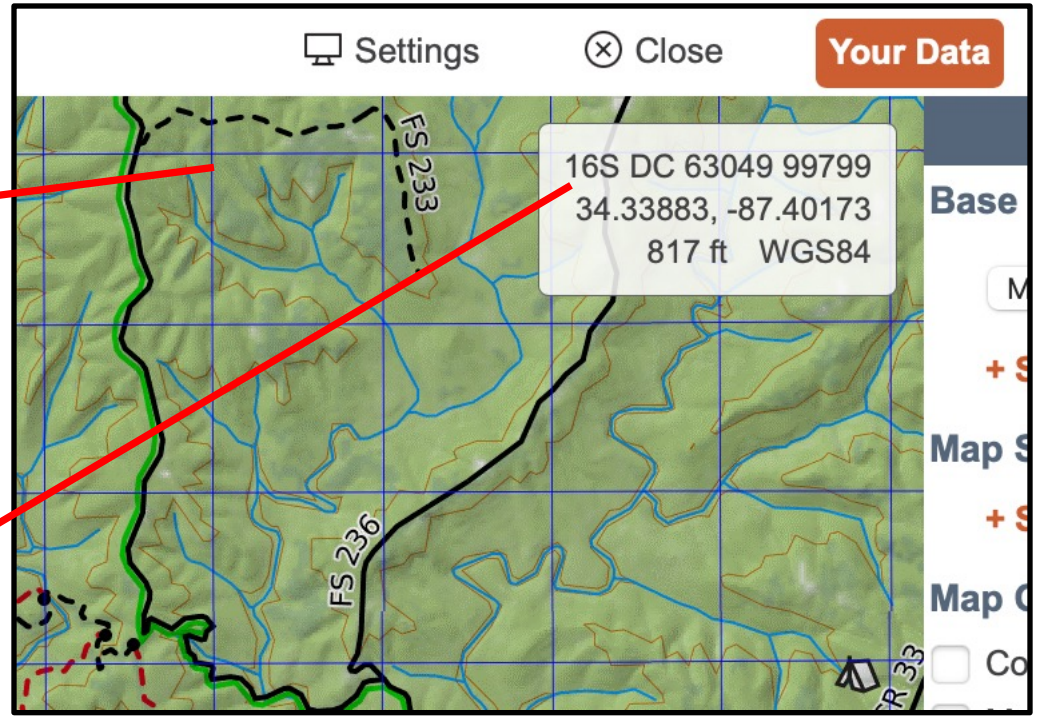
Labels / Coordinate System





Main map view

Coordinates displayed where the cursor is.

For SAR work in Alabama we use USNG as the primary and Degrees as the secondary with WGS84 datum unless otherwise specified.

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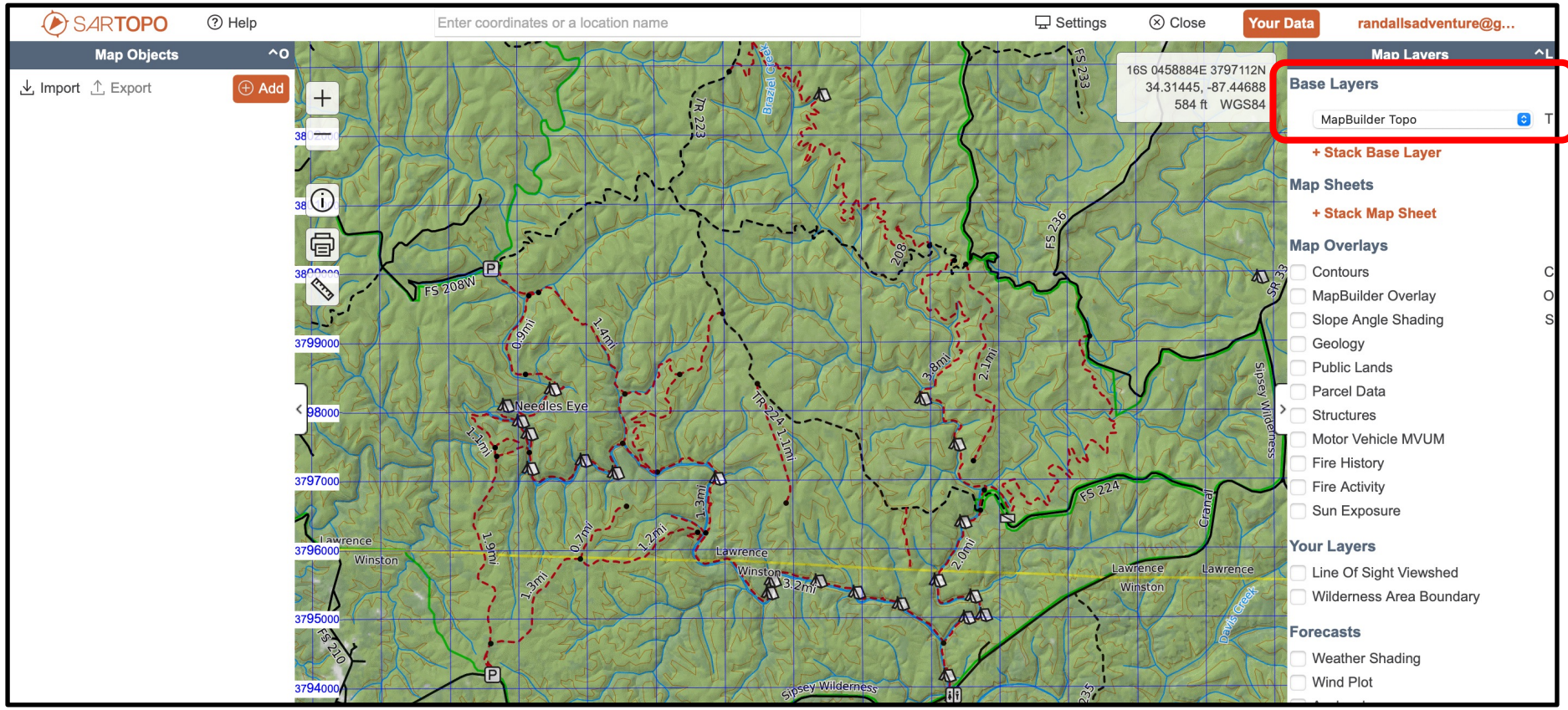
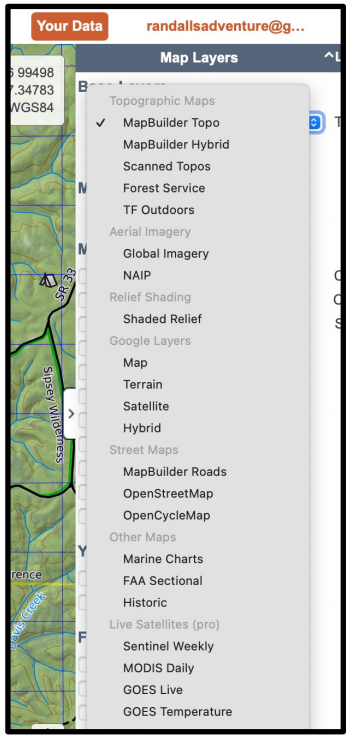
Base Layers



Base Layers



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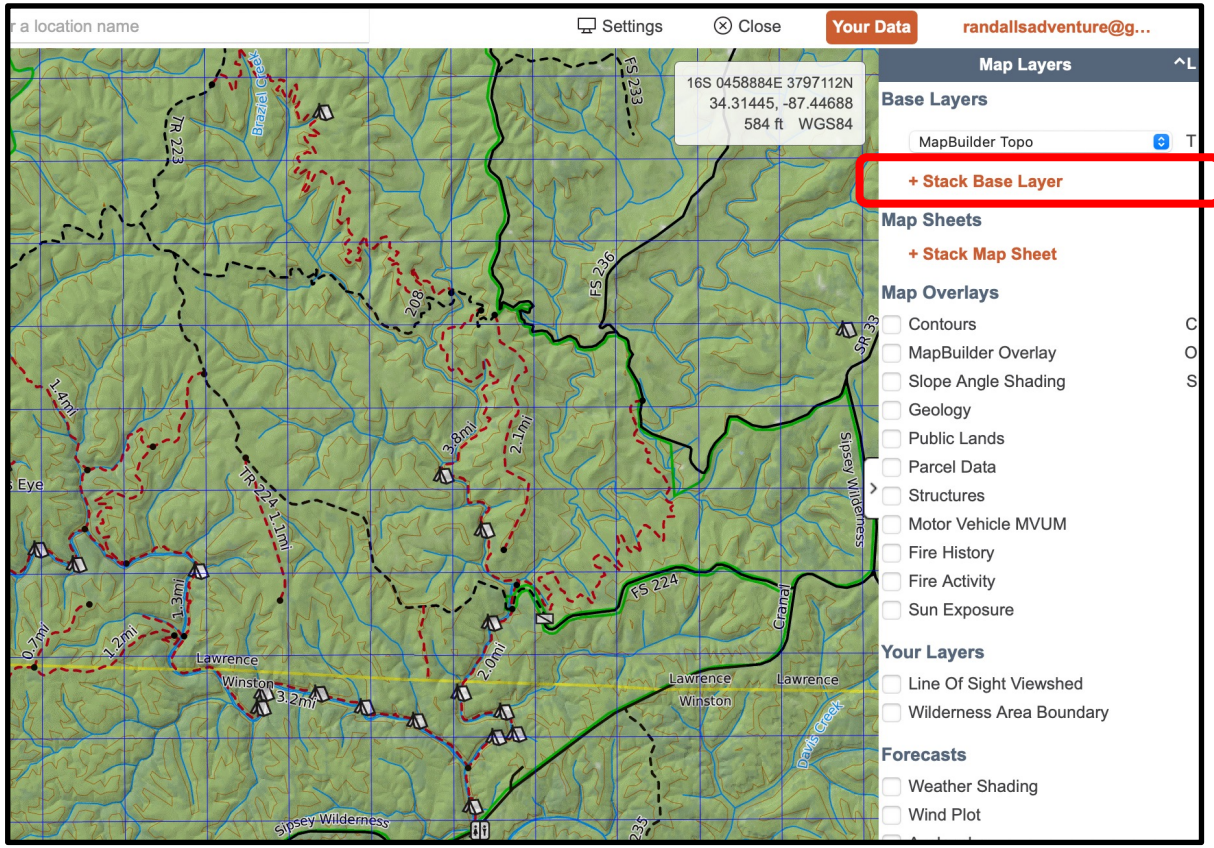
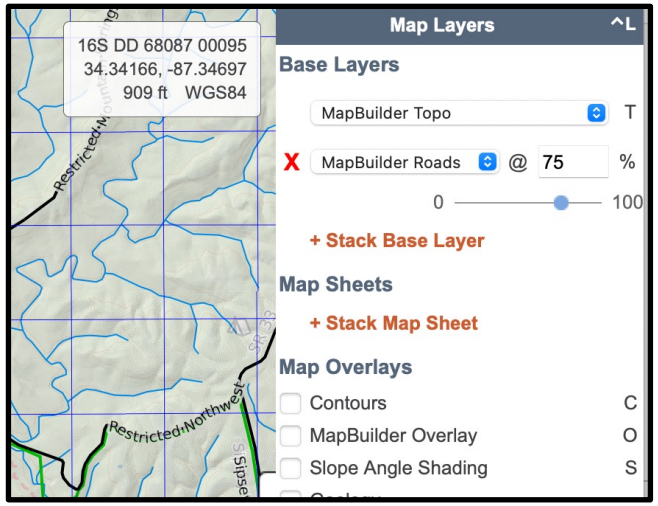
Stack Base Layers



Stack Base Layers



The 0-100 intensity bar will adjust how much you want the stacked layer to be visible.

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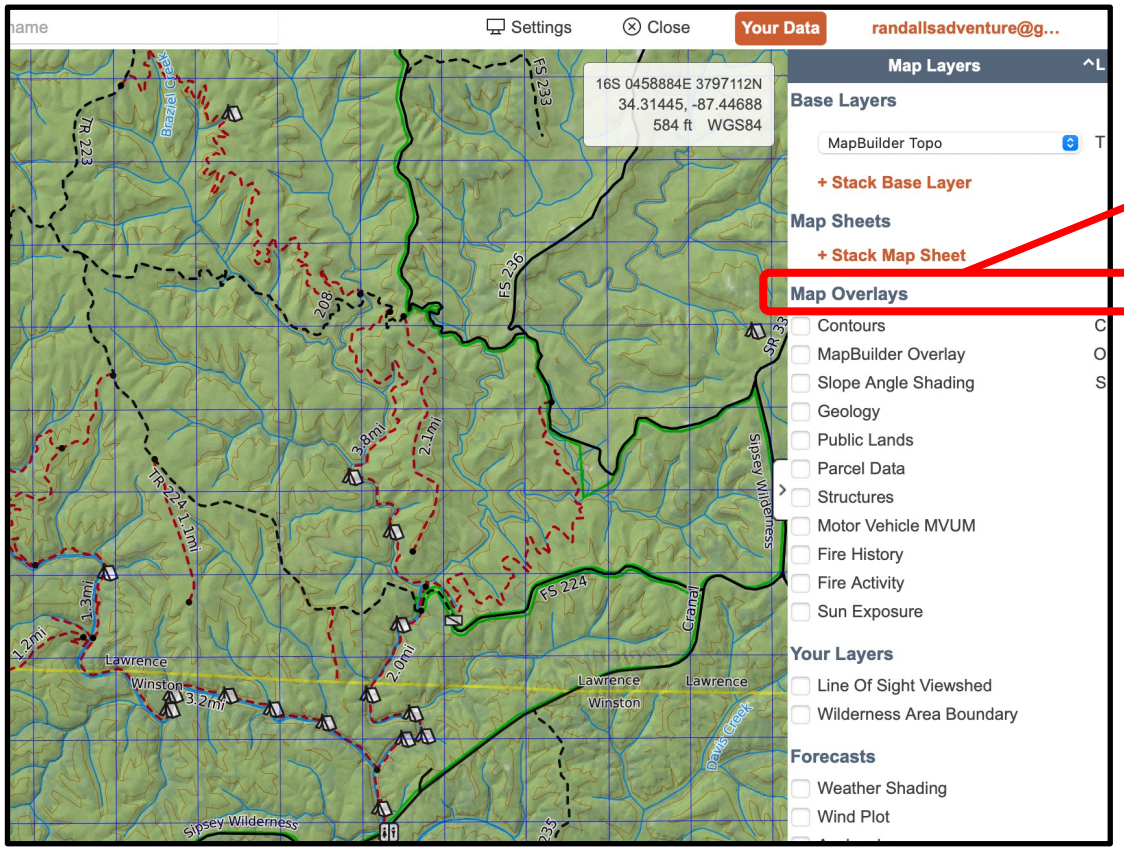
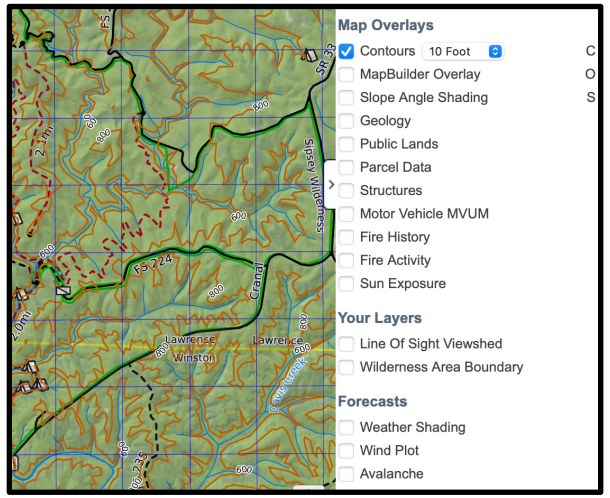
Overlays



Map Overlays



Some overlay features are not available on free accounts.

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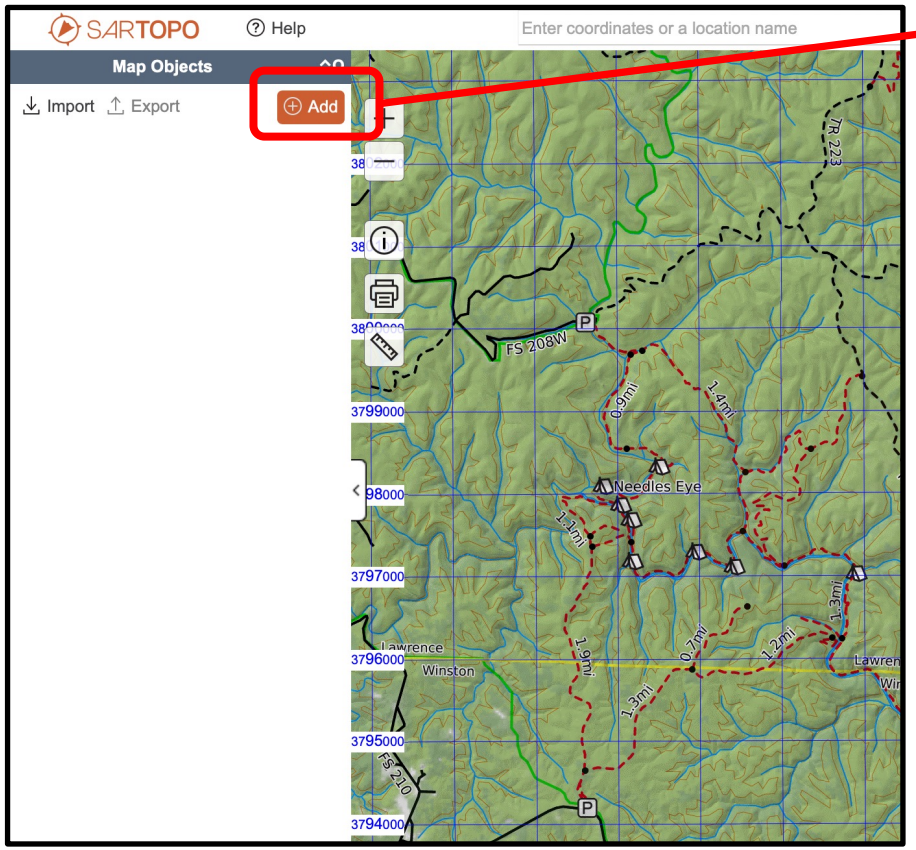
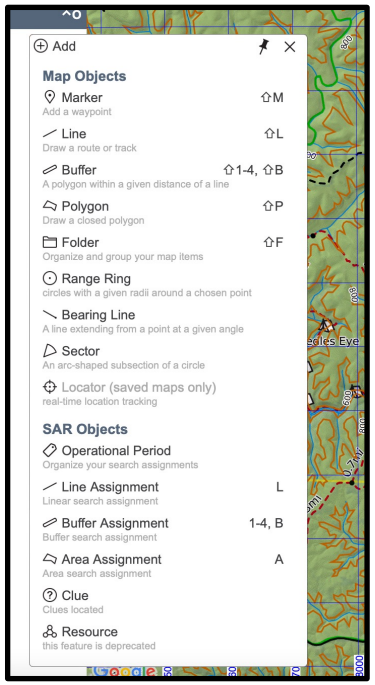
Adding Objects



Add Objects



Note: Objects can also be added at the cursor by right clicking then adding the object from the pop up box.

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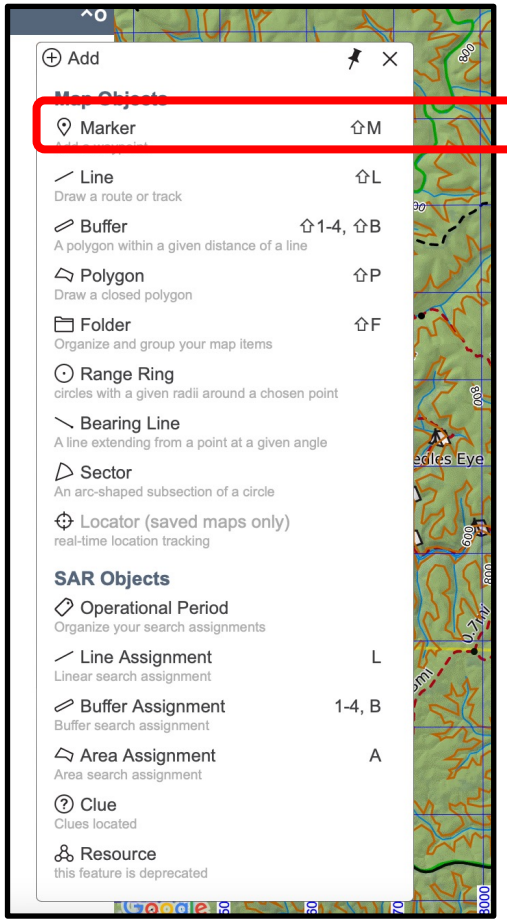
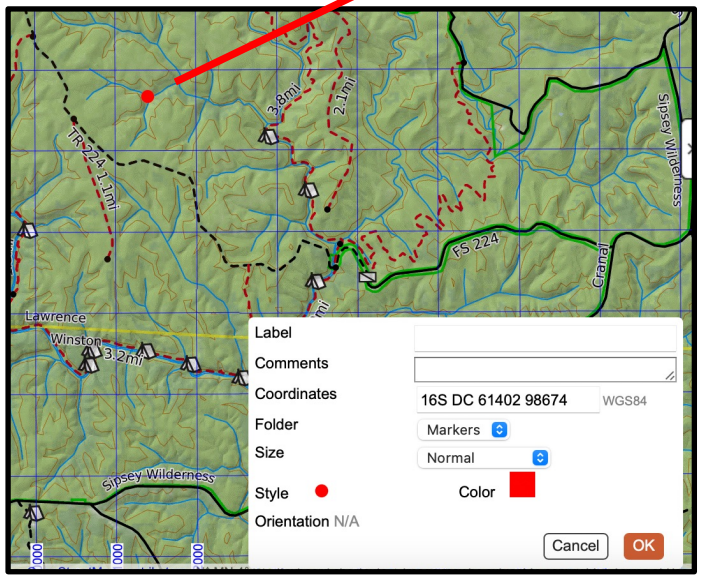
Adding Objects



Add Marker

Marker shows up as a red dot on map.



Red marker can be moved in the edit mode by dragging with cursor. Markers and other objects style and color can be changed in the edit box.

Label name and comments can be added.

Coordinates of marker appear in edit box.

Marker can also be moved by changing the coordinates.

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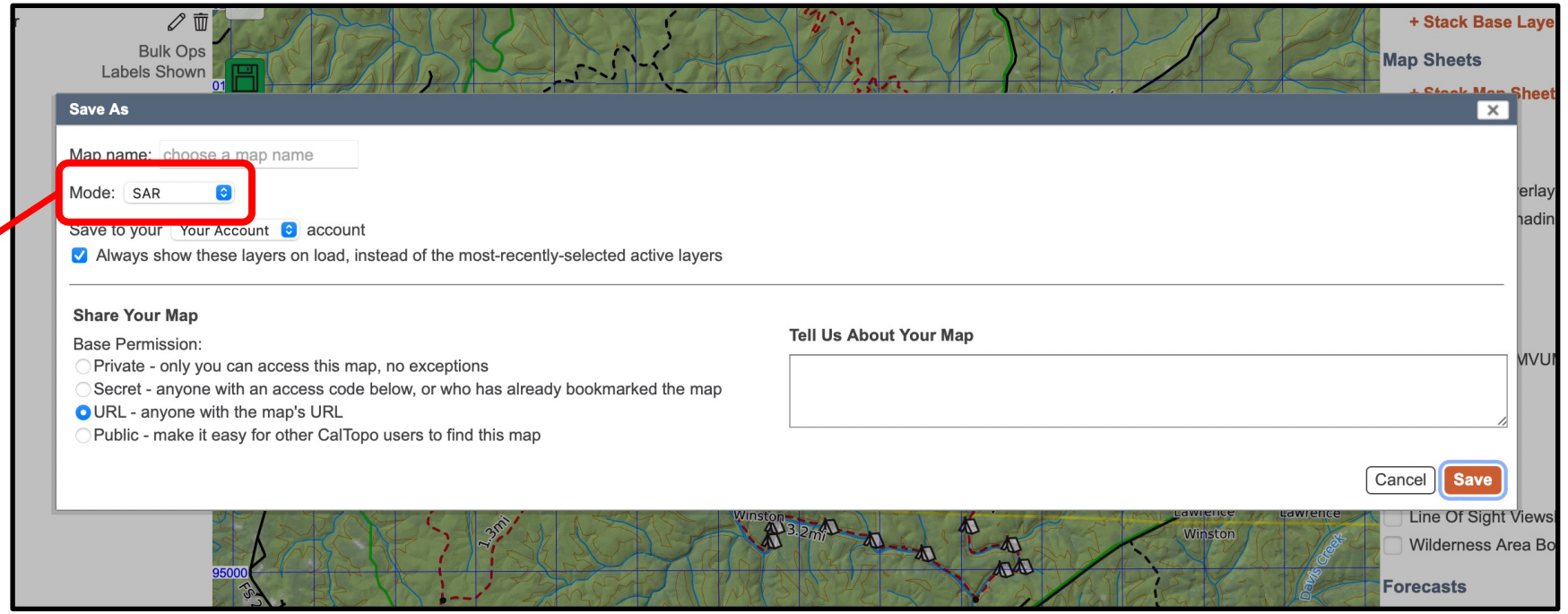
Saving A Map

Once an object is added to a new or unsaved map, a screen will pop up asking you to name and save the map. Maps must be saved in order for some features to work.

Always save map in SAR mode if you want to have SAR objects (assignments, etc.) enabled.



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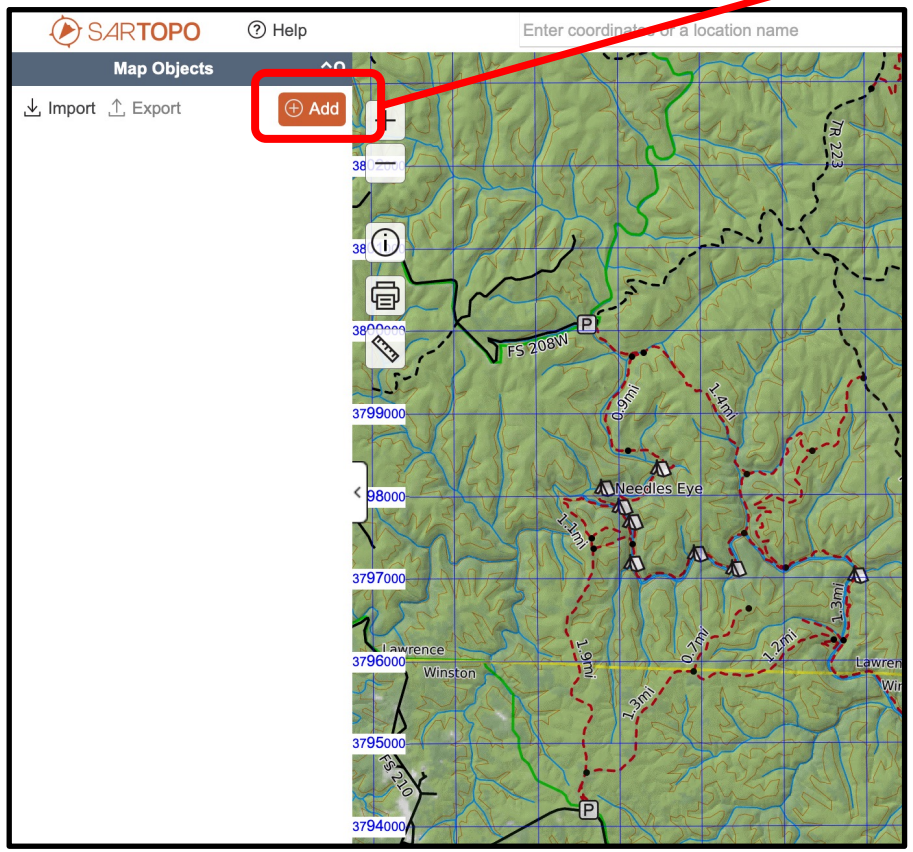
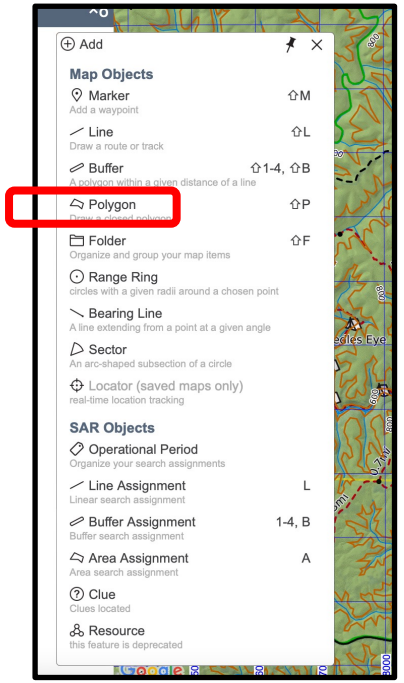
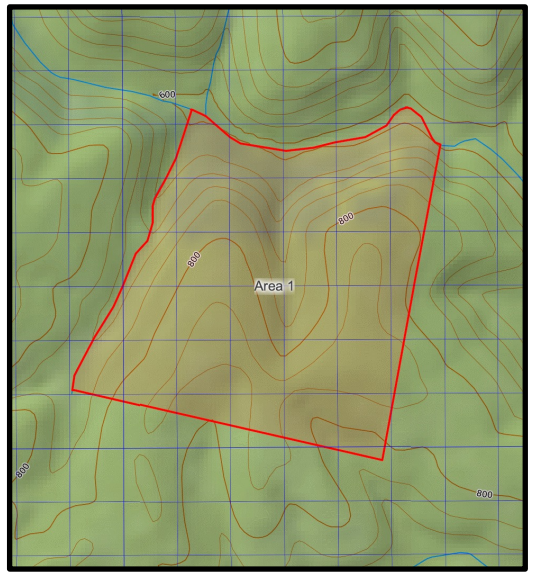
Building Polygons / Areas

Add







Part of this polygon was made using “snap to” hydro.

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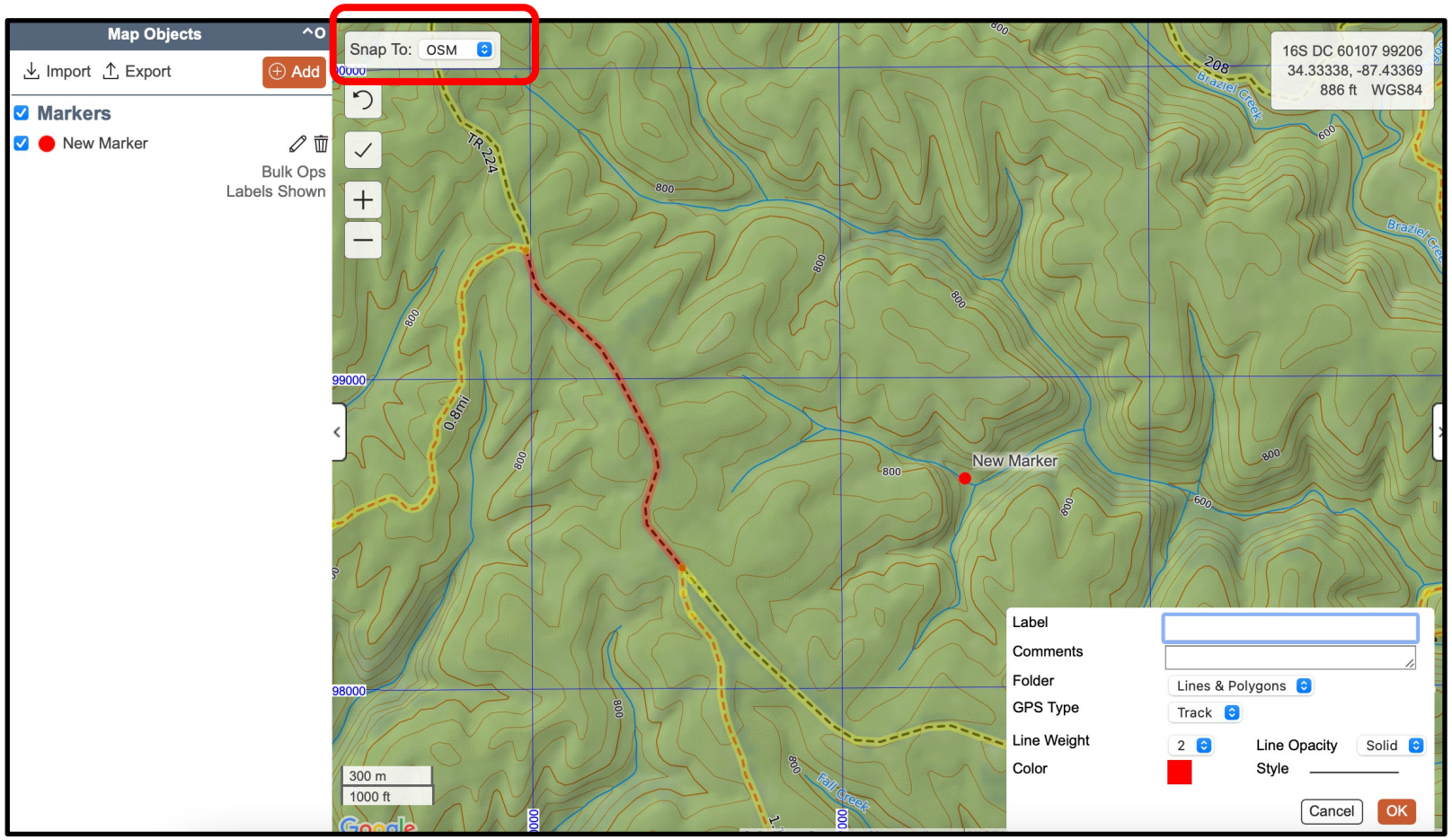
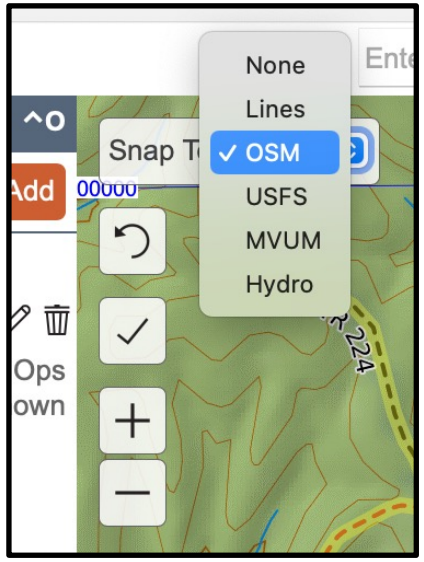
Using Snap To



Adding lines and other objects with snap-to.



As with adding markers, the style and color, as well as opacity and weight can be manipulated

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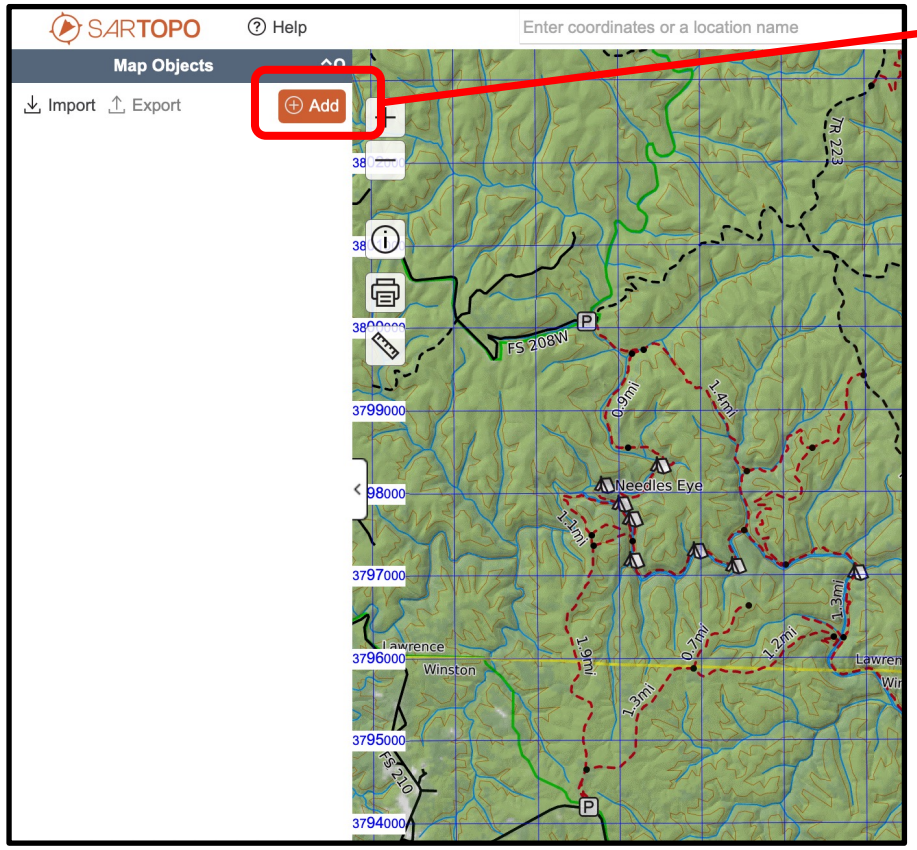
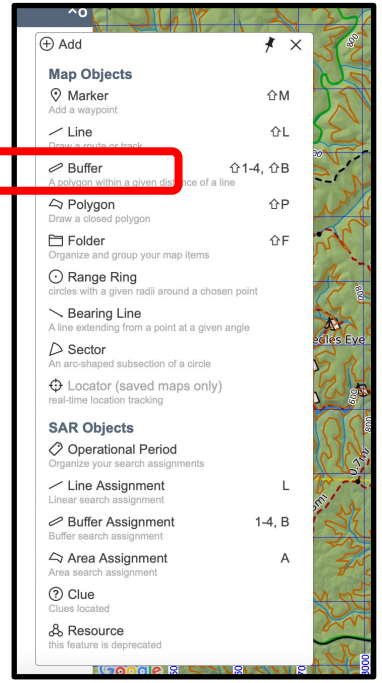
Creating Buffers

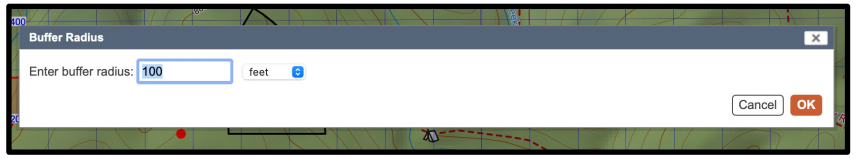
Step 1:

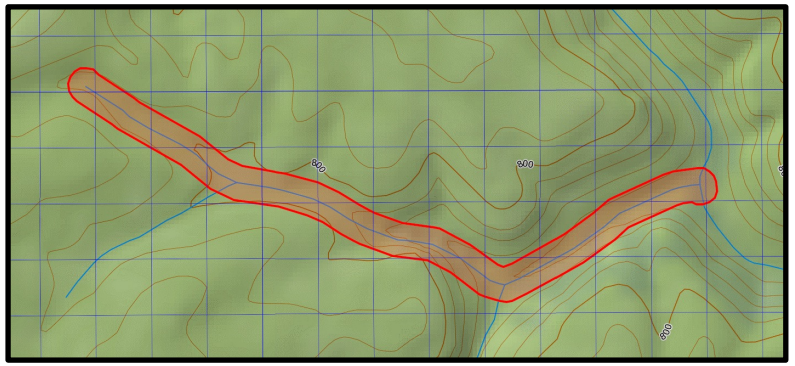


Add



Step 2: Define buffer width from centerline





Buffers can be can be converted to assignments.

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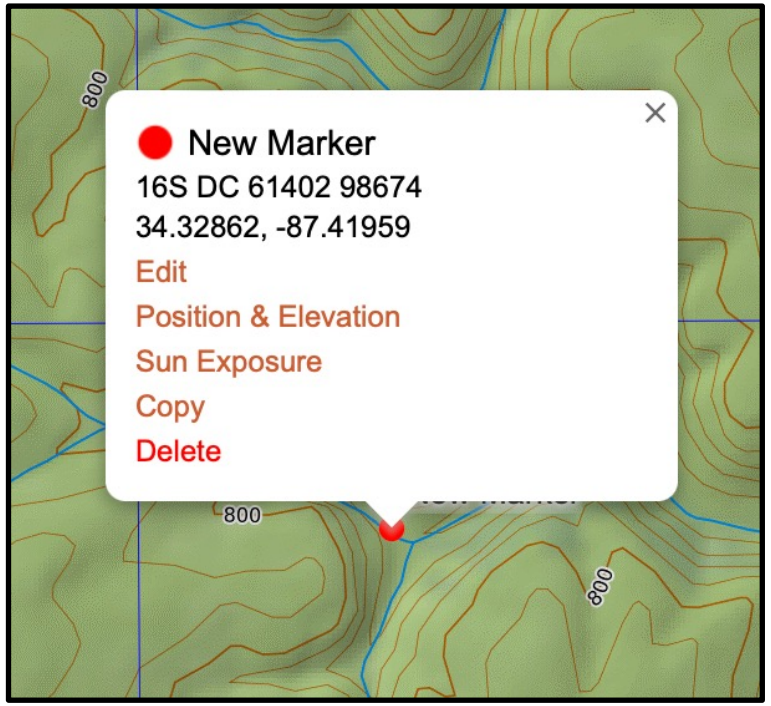
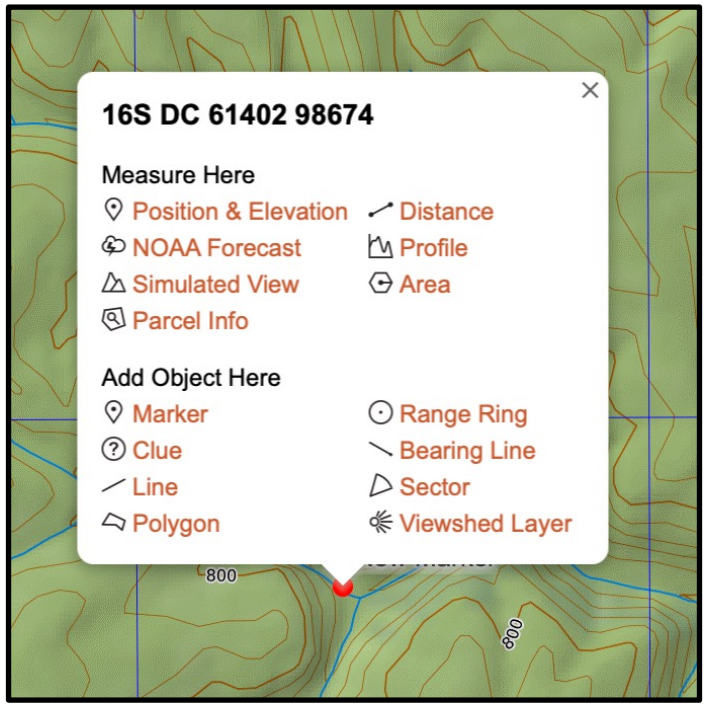
Editing / Adding Objects



Left click on object



Right click on object

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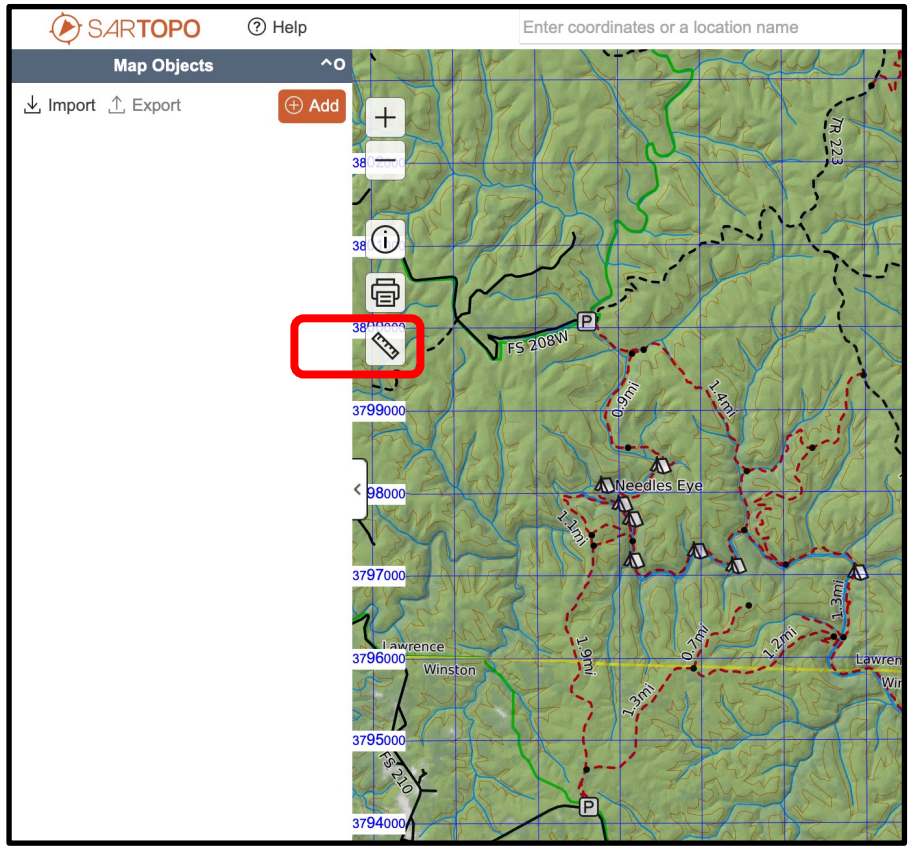
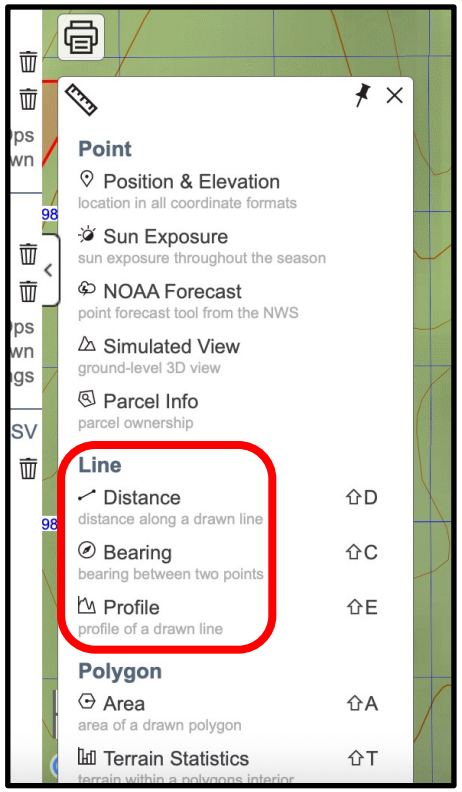
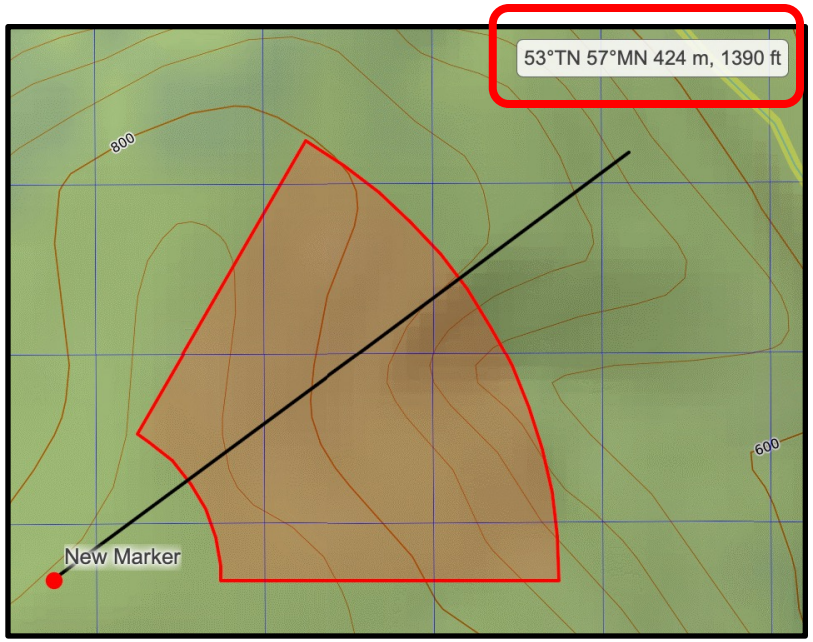
Measuring

Measuring allows the measurement of distance, bearing and profile. Click where you want to start your measurement and double click where you want to end it.







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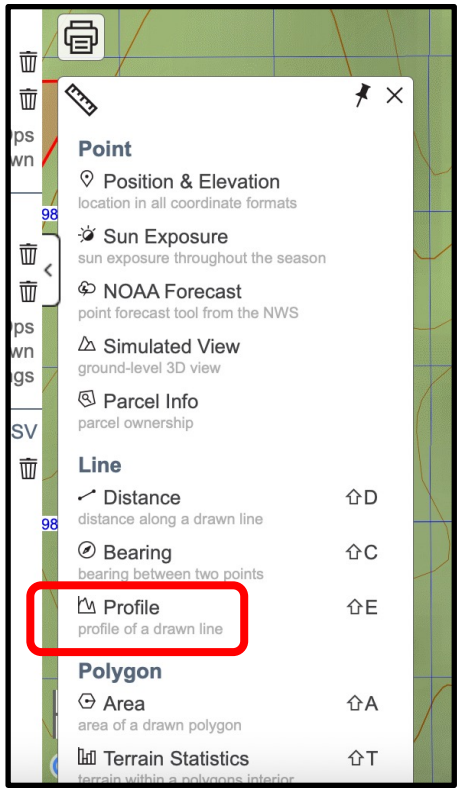
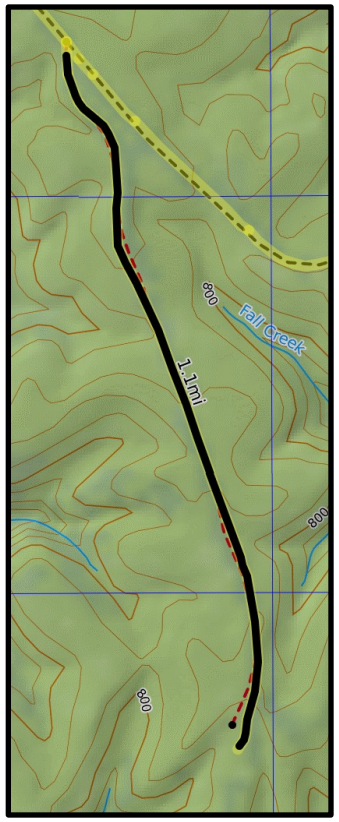
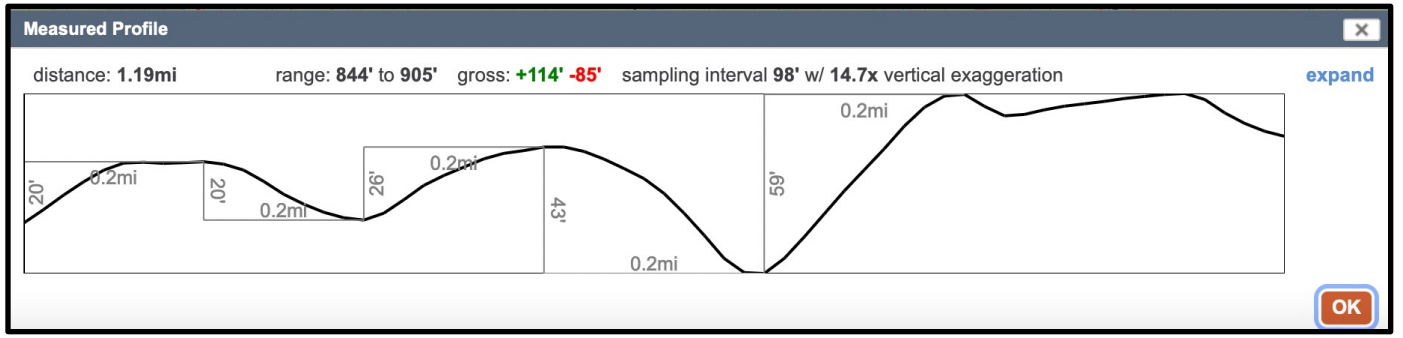
Terrain Profile Measurement





Terrain profile measurements help determine the difficulty of the terrain along a given path. Snap To can be used or a path can be drawn anywhere along the map. Click where you want to start your measurement and double click where you want to end it.



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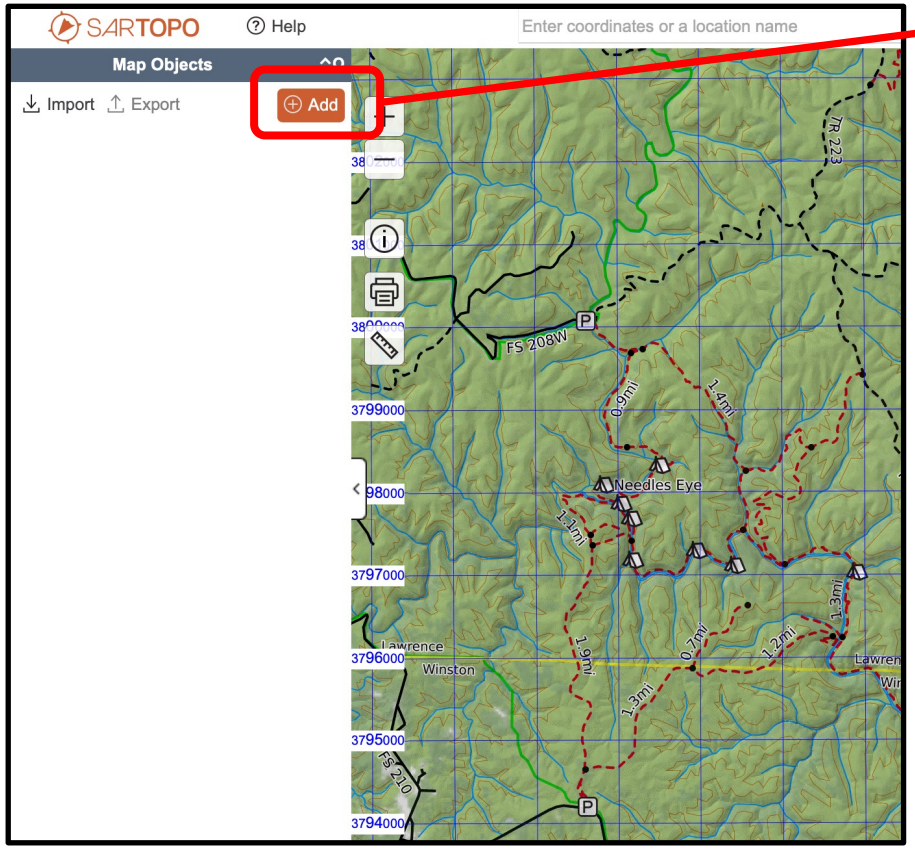
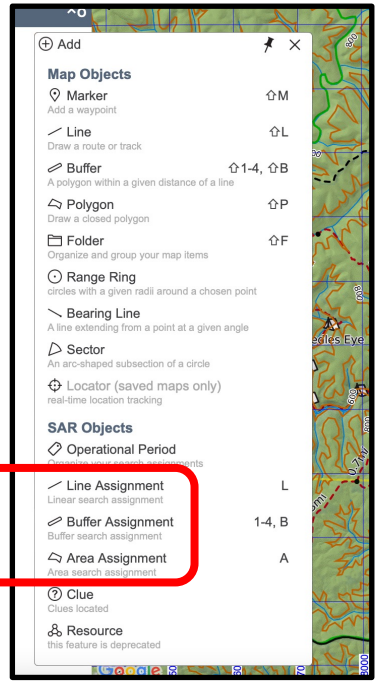
Creating / Adding Assignments



Add



Information added in this box shows up on the printed SAR 104 sheet.

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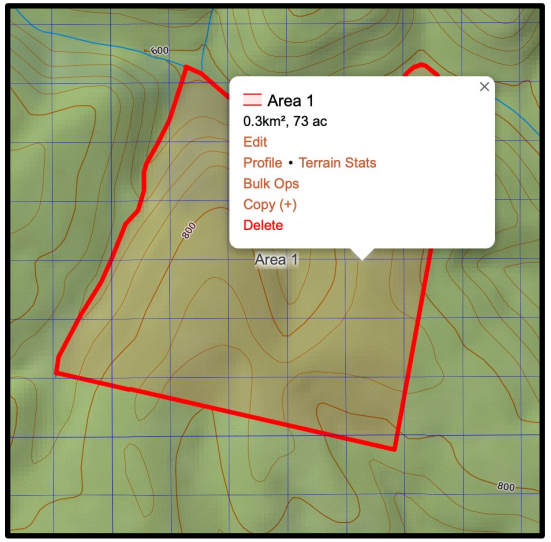
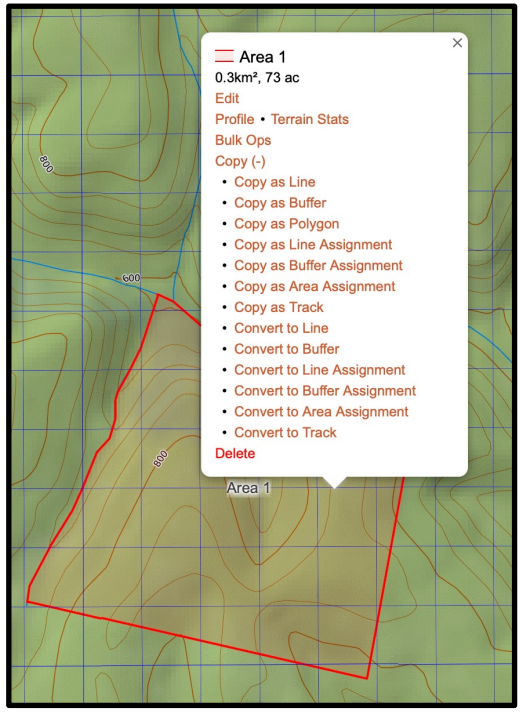
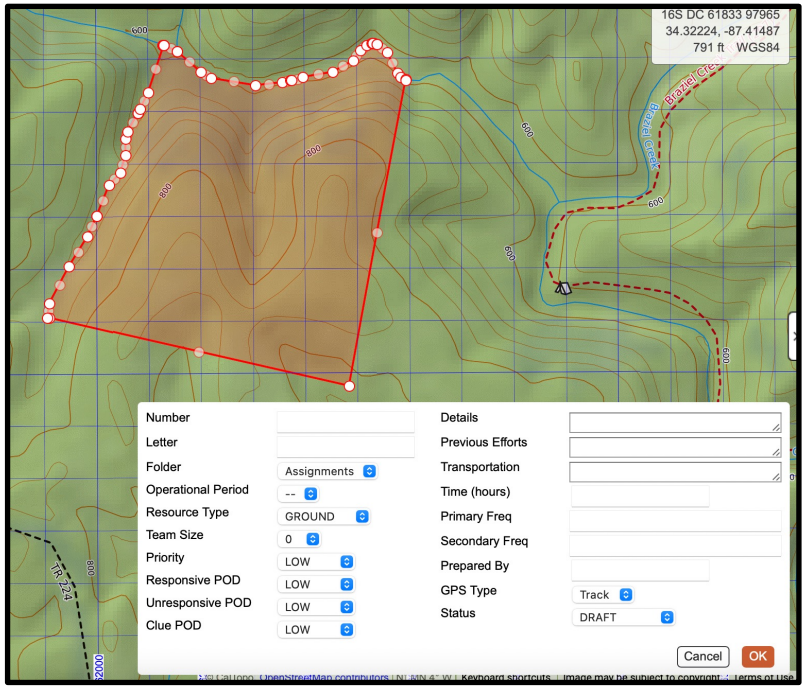
Converting To Assignments



Step 1
Left click on object
and choose Copy(+)



Step 2
Choose copy as area assignment
or convert to area assignment



Step 3
Fill in all pertinent information

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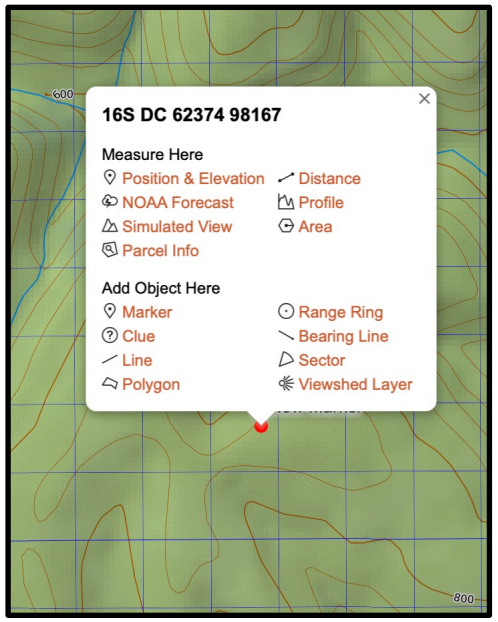
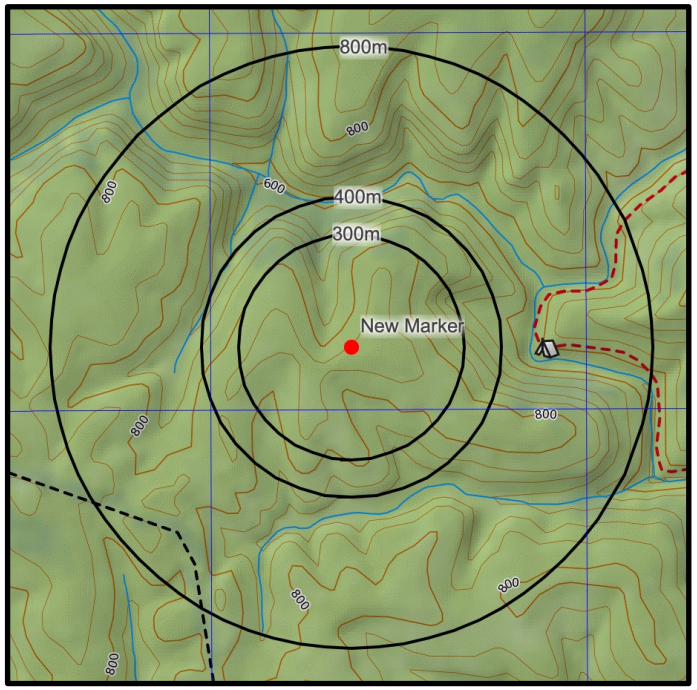
Range Rings

Step 1:
Right click on point, marker, feature or anywhere on the map. Select Range Ring.



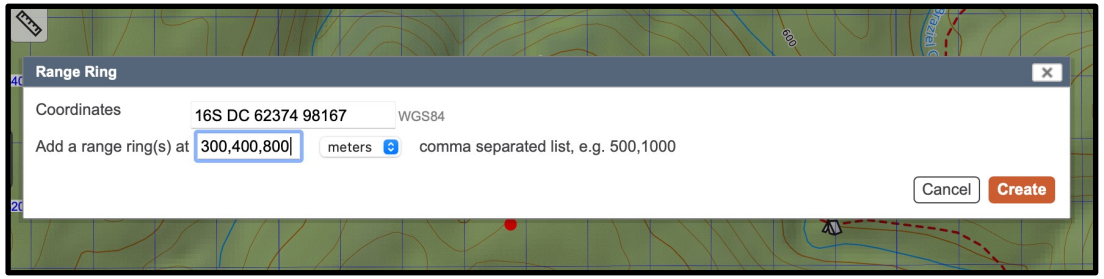
Range rings are often added at the PLS or LKP based on Lost Person Behavior statistics.

Range rings, like other objects, can be converted to assignments.



Result

Step 2:
Add radius distance of range rings. Separate by a comma for more than one ring.



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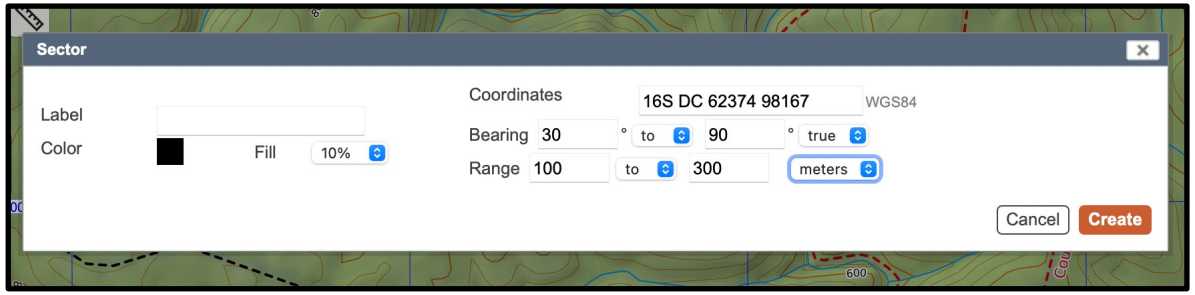
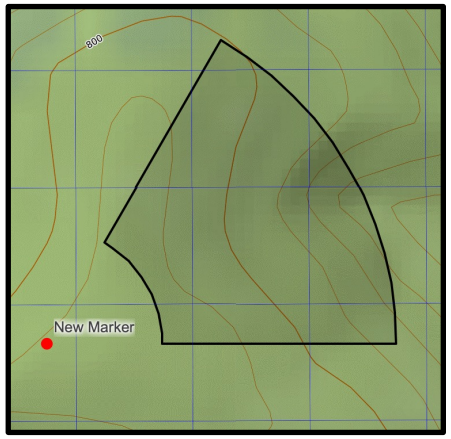
Adding Sectors

Step 1:
Right click on point, marker, feature or anywhere on the map. Select Sector.



Step 2: Fill in the parameters of the sector



As with other objects, Sectors can be converted to assignments by left clicking on the sector and choosing “Copy(+)”

Resulting sector from 30 degrees to 90 degrees starting at 100 meters from starting point and going to 300 meters from starting point

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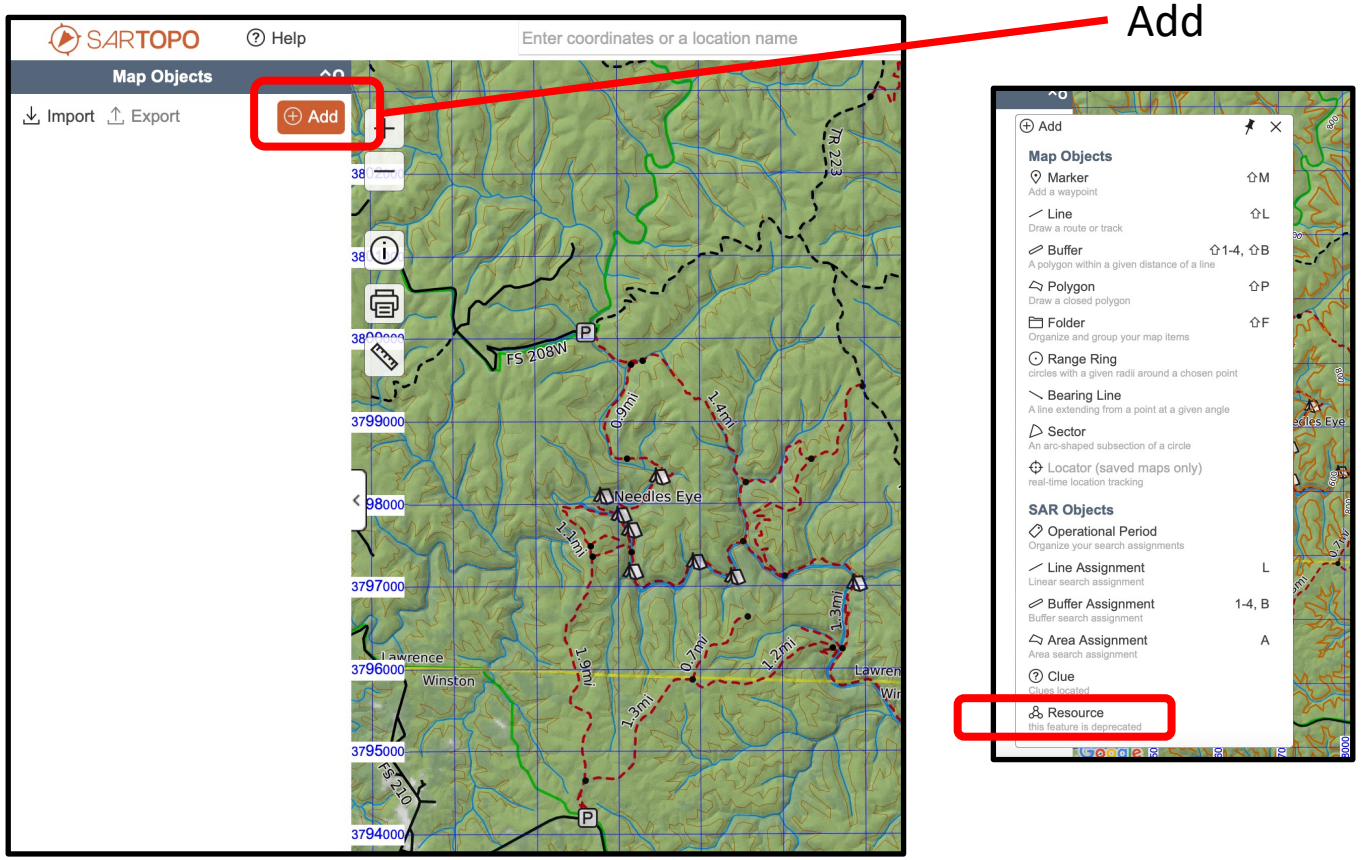
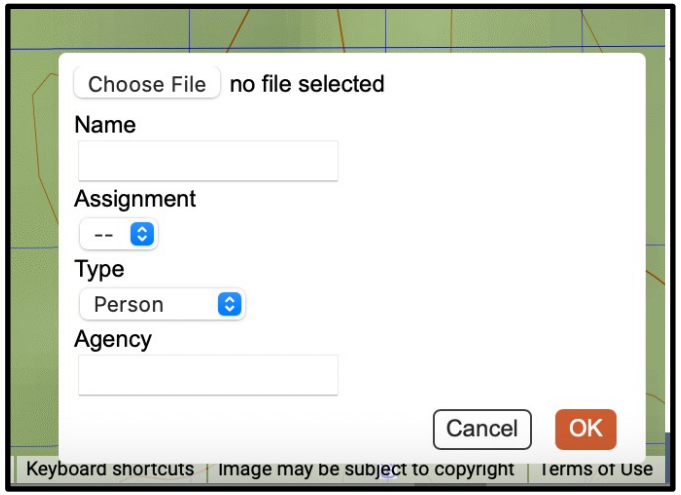
Adding Resources



Add



Resources can be added as they arrive on scene and assigned later, or immediately assigned to current assignments. Assignment must be created before resources can be added to an assignment. Created assignments will appear in the drop down tab.

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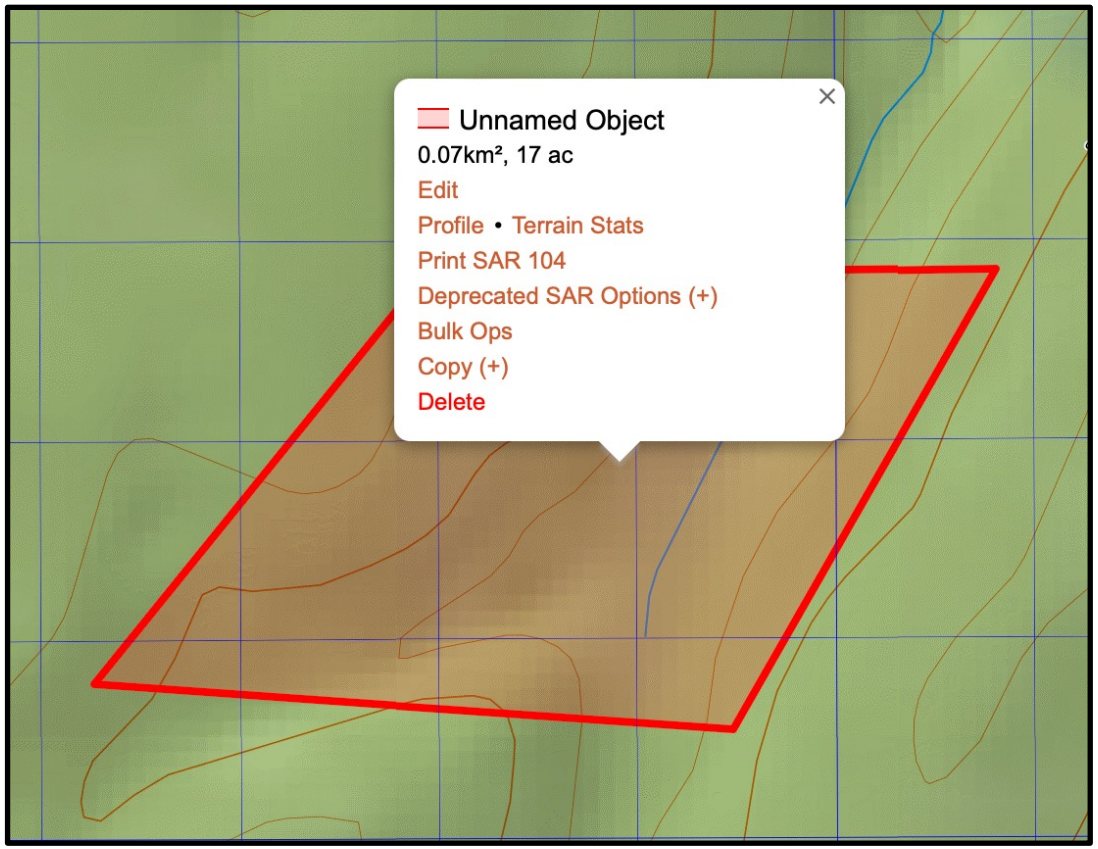
Printing 104s



Left click on assignment.

Click “Print SAR 104”

PDF will come up in a separate window with all the information you created when you made the assignment, along with the resources assigned to that assignment.

PDF is fillable so extra information can be added.

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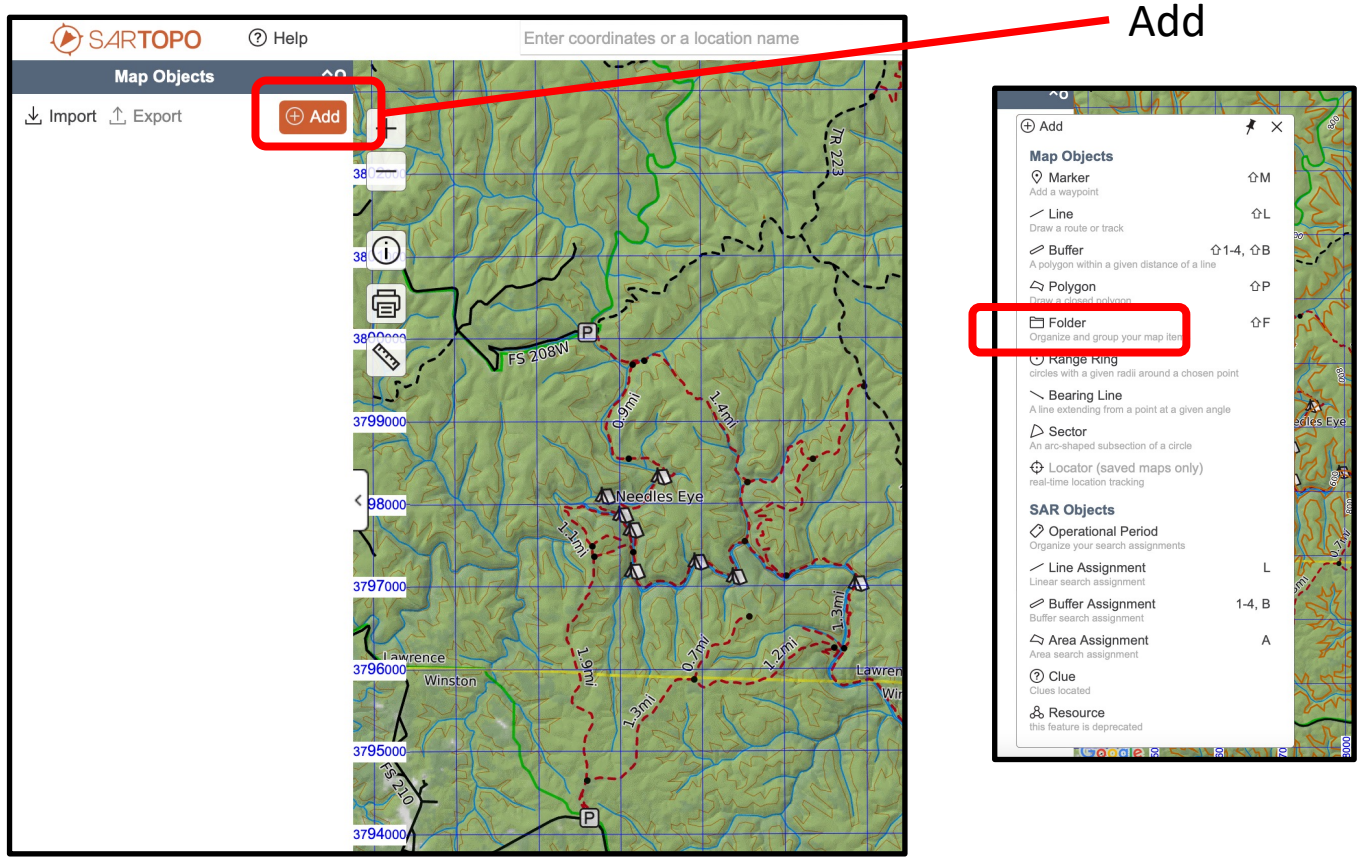
Adding folders



Add

Use folders to organize the objects you create. This makes it quick to declutter a map without deleting anything from the map.

Objects can be added to or moved to other folders by left clicking on the object, then edit, then editing the folder location.

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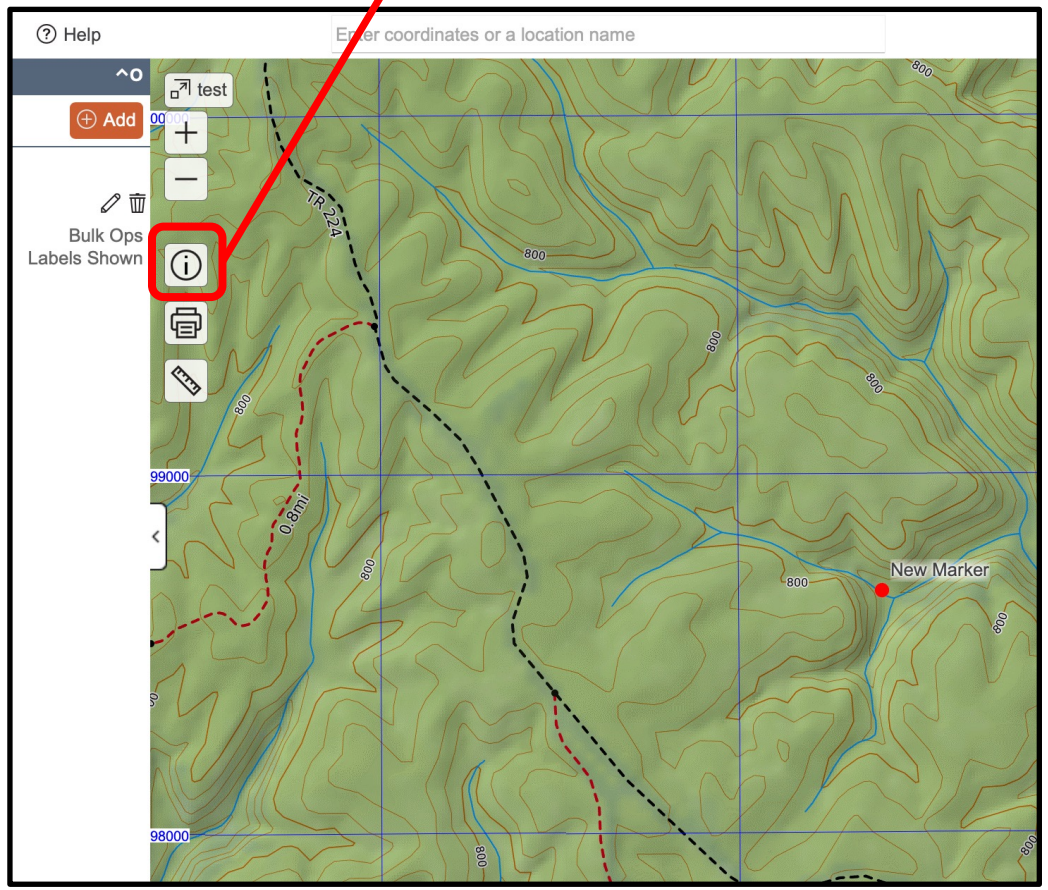
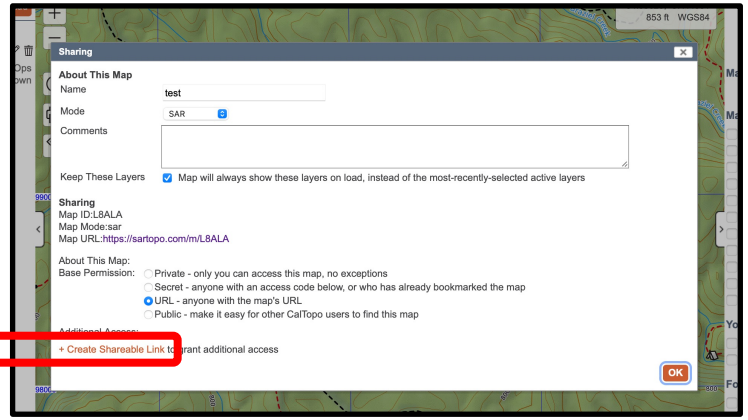
Sharing The Map (map must be saved to share)

Step 1:



Step 2:



Step 3:

Step 4:

Share by link or QR code.

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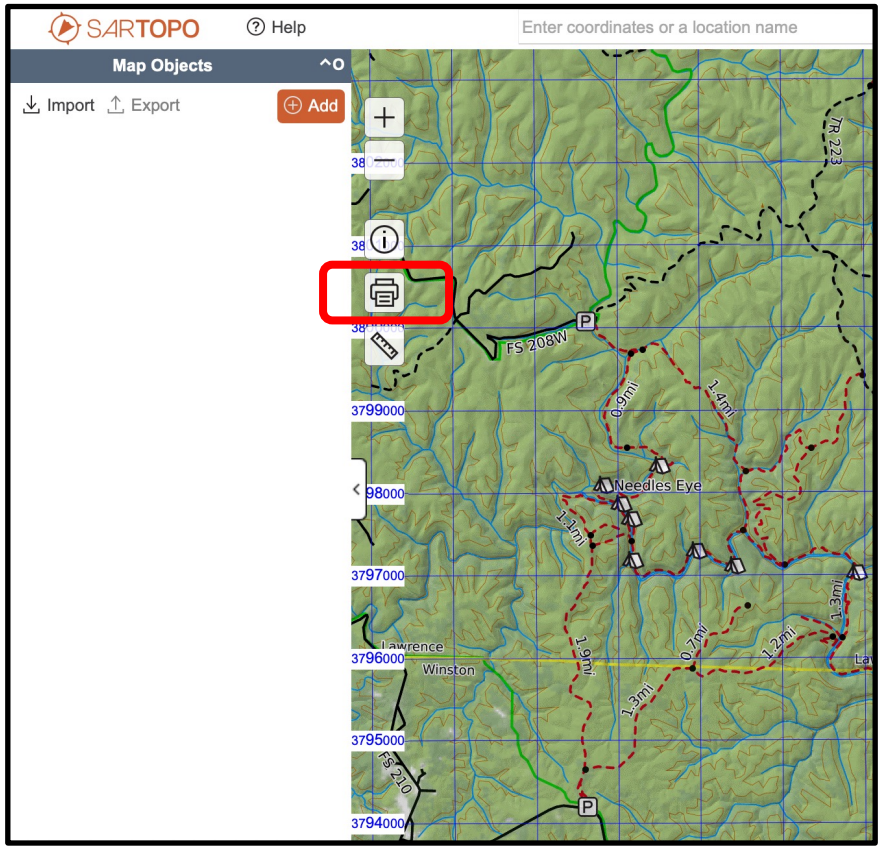
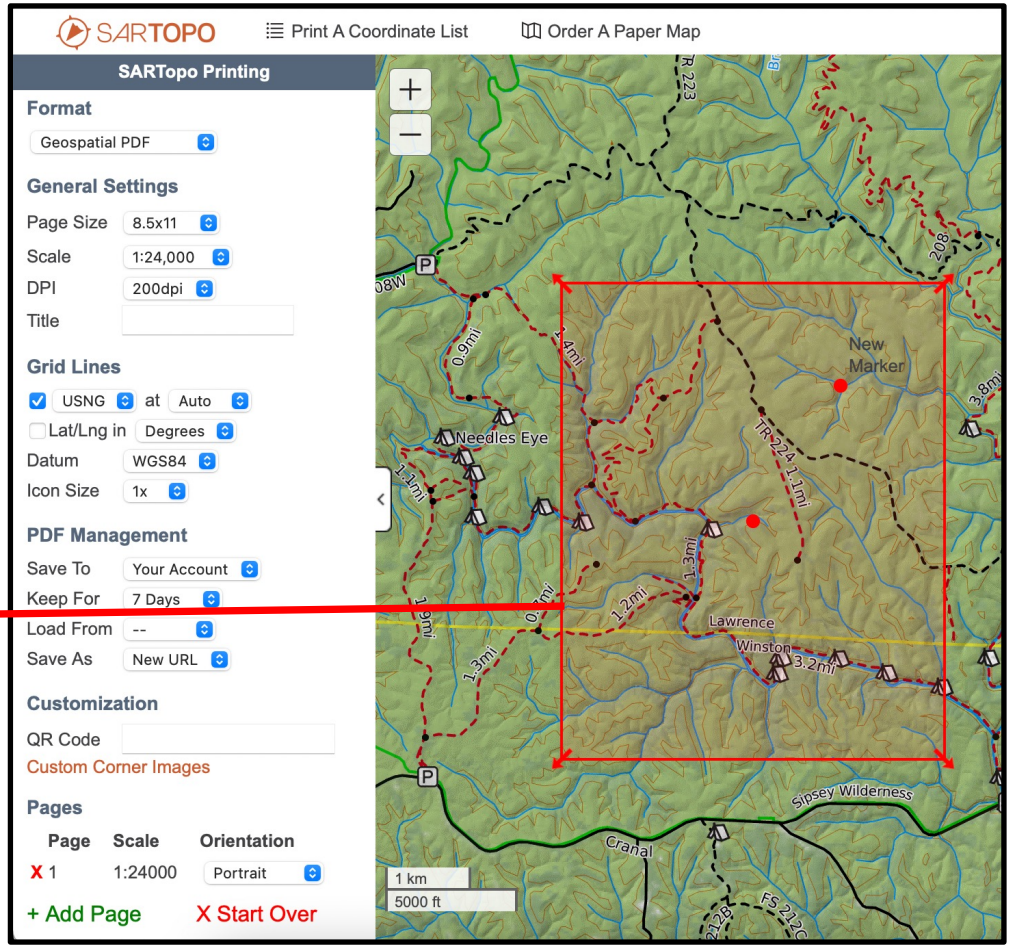
Printing A Map



Configure your print general settings.

Red border is print area. Red dot in center is map center. Move the printed area by dragging the red dot.

PDF will open in a new window ready for print.



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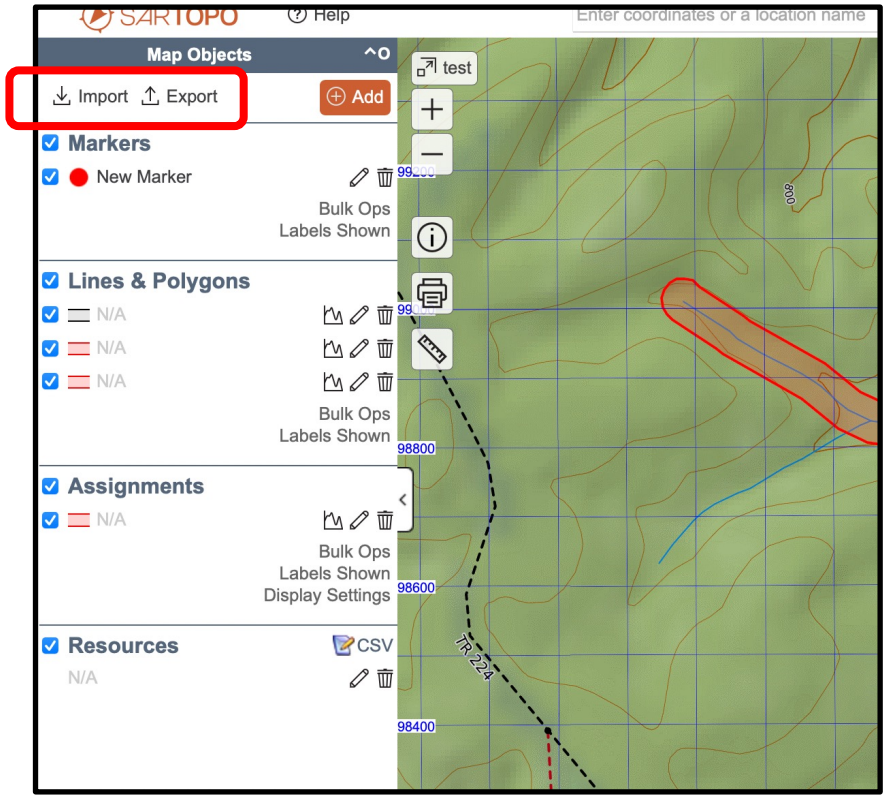
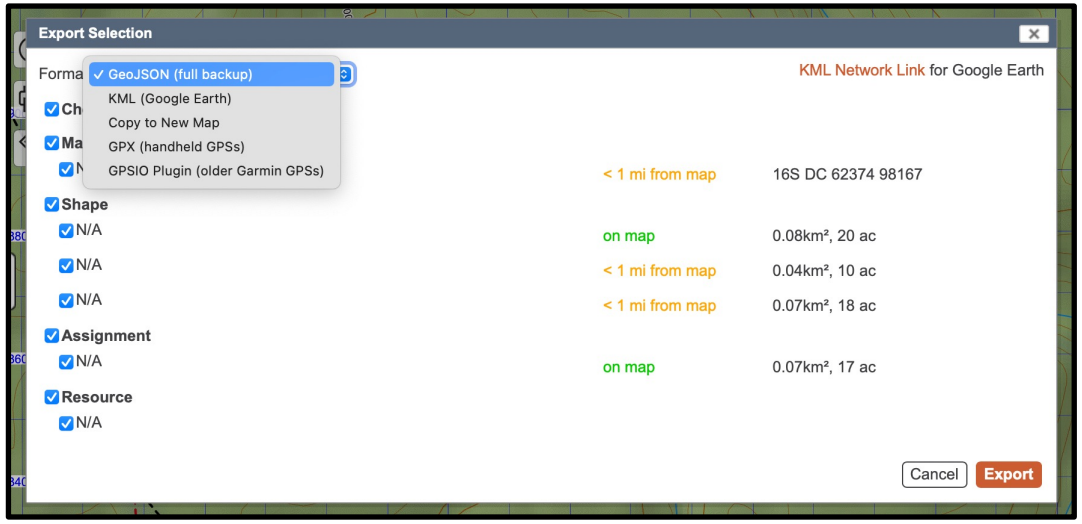
Import / Export





Choose file to import. Check or uncheck data to be transferred.

Choose file type to export. Check or uncheck data to be transferred.

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Mission Management Training Video

SarTopo for Incident Response Course