

The Screening Tool is off to a good start. It's awesome that it will include both GRANIT data AND NH DES data. As mentioned below, it would be awesome to include DOT data that is not in the current NH Roads file such as info about culverts.

I like the fact that the User Interface will match that on GRANITView as much as possible. I also like the fact that area and satellite data will be accessible from the base map menu and will have the data layers visible as overlays. Being able to upload data is a very useful feature for those who have project GISData. I'm impressed with what you are doing with both GRANITView and the Screening Tool to make this GIS data and graphics accessible to users who don't have access to GIS and the info on GRANIT. I know designing these apps is time-consuming and a work in progress as they will always be changing. They've changed this week so some of my first comments no longer apply and I've deleted them. Thank you for your hard work. I'm basing my comments on both GRANITView and the Wetlands Screening Tool because you are all working together to have apps with a similar user interface.

Questions:

1. Will it be, or is it now, possible to extract more than one layer at a time, i.e. a geodatabase of layers? I selected an underground storage tank site and a small area around it with the select tool under download data. I was able to download underground storage tank point data for the selected area, but not other layers in the selected area. I downloaded the selected area as a geodatabase.
2. Will the user be able to determine what type of permit is needed from the screening application?
3. Will any of the DOT/roads layers be available in addition to the existing road layer? Layers for existing culvert data and road width including right-of-way data. Most Towns have requirements for new roads, however, for older roads that are grandfathered and don't meet these requirements, the width of the right-of-ways.
4. Are there rules for invasive species removal near wetlands that could be in a popup and/or the Glossary? Some species cannot be removed without spraying, and spraying can't be done too close to a wetland. Invasive species are a real problem because the road and other equipment routinely spreads them to other areas.
5. Are the GRANIT layers listed on the Proposed Wetlands Rules site related to the screening application? Will the NHDES layers be included in the list?

Comments and Suggestions

1. If the Screening Tool ends up having the same interface as GRANITView, make it clear on the Welcome Page that the Tools have to be opened to see the tabs including the User Manual (Getting Started). Currently in the Screening Tool app, there is a planned link to the manual. One doesn't have to open the tools to read the User Manual.
2. Add an aquifer layer. I know we talked about this at the demo meeting. This is important because wetlands recharge aquifers.
3. Add the impervious surface data layer.
4. Add relevant DOT/road layers that aren't in the existing NH Roads GRANIT data, especially culvert.
5. In addition to "extracting data via polygon shapes," add the option of selecting and clipping the data by Town, sub-watershed, or river corridor. The user would select the area of interest via a

drop-down menu (Town, sub-watershed, etc.). This would enable more precision/accuracy for the user than trying to draw the area of the project.

6. **Inconsistent Data:** When using the parcel map, there are roads on the tax map that don't line up with the white lines. In my housing development for example, there is tax map data, and then there are white road lines that don't match the tax map roads. Is this data coming from different sources that have been merged into one layer? It's confusing. An explanation is needed. I know it's possible to see the road data separately without the parcels, but that's even more confusing. Perhaps combining the separate road layer with an outline of parcel boundaries (arcs) without the tax map embedded roads with the road layer would be more accurate and less confusing.
Example: Check out the data in the Tuck Drive area in Fremont to see the inconsistent data.
7. There is confusion between Tier 3 streams and Tier 3 WAP data. Include this info in the app or an explanation in the glossary or both that explain these tiers.
8. Add the ability to include a legend in the data downloads as in print.
9. Remind users to add vernal pools via upload if there is existing data in an area. Some Towns have done studies. **Include a popup in the app and an item in the glossary that makes it clear that vernal pools are a type of wetland.**
10. Remember to add aerial, satellite and hybrid images to the map menu.

User Interface Comments

1. Add color to the forward and back arrows so they stand out.
2. Since **"I want to"** is a drop down menu, add a drop down arrow on the side of the box or explain that on the Welcome Page. I like having the search box separate from the **"I want to"** box. .
3. Include the Bing, aerial, hybrid view options in the Screening Tool as they are in GRANITView.
4. Add the ability to resize windows in the Screening tool. I can't see the bottom menu line in the app and there is no scrollbar unless I pull the app screen all the way to the top of the window, covering the Windows Menu, I can see it easily in GRANITView, even with the Windows bottom menu open and the app not pulled up to the top, i.e. not fully opened.
5. Add a way for the HELP info to be readily available via toggle or having Help appear in the split screen on the left if the layer list, etc. are closed.
6. Consider putting in a search screen for HELP in addition to the pdf.

User Help Manual

1. Add a GLOSSARY. We talked about this at the demo. New users won't know what a layer, overlay, etc. are. Describe that the Tools have to be opened to see the tabs including the User Manual (Getting Started).
2. Include a section at the beginning of the User Manual explaining the mechanics of the interface. Add a screen shot pointing to the search box and the **"I want to"** box, the arrows, the icon menu at the bottom of the screen, the Tool Toggle, etc. I found a screen shot in the existing manual that points to some of these items but not all in GRANITView. Include a screenshot of the location and that they are used to change screens.
3. Describe the current examples in the User Manual of using the app (Screening Tool) for a project after the introduction.

4. When another browser window opens such as when accessing DES OneStop data, the OneStop window/tab must be closed to return to the screening tool. Using the browser back arrow will take you out of the Screening Tool app.