



State Mapping Tool

Josh Poynor

Jennifer Pellett

Andrew Molder

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History

- 2019 NRCS moves away from Toolkit
- No efficient way for State Cost Share Program to document practices with aerial imagery.
- Spring 2020 process began to use ESRI ArcGIS Online. Pilot begins shortly after.
- November 2020 State Mapping Tool becomes available for statewide use. Required for maps that require pre-approval, encouraged use for all maps.
- Start of fiscal year 2021 became required for all contract approvals and payments.

Disadvantages

- Does not have the capability of ArcMap or ArcPro
- To date there is not defined way to move data to CD
- Can't edit features other users created
- Labels can be dependent on zoom level and number of layers
- Some contracts could require multiple printed maps for payment

Advantages

- Consistent map product between all 114 districts
- SWCP has control of it's own data
- Location info for practices is easily attainable
- Reporting information available
- Layers and map features can be customized
- Speed/efficiency of contract approval
- Report feature
- In field use (Collector/ Field Maps)
- Can be accessed from any computer, tablet or mobile device....
- Parcel layers coming soon



FAQ's

Q: How do I log in the first time or why is my login slightly different than my windows ID?

A: Wait for the Blue box/ shade to appear then click on it.

FAQ's

Q: Do we have to use the DNR mapping tool map for all payments and contract reviews?

A: Yes, it is required for contracts requiring pre-approval and all payments

FAQ's

Q: Why is it only printing in black and white?

A: Currently there is a printing issue, if you uncheck the NAIP2020 imagery layer this should allow the map to print in color. A screen shot of your screen may have to be used until the printing issue is corrected.

FAQ's

Q: What acres/ footages do I use on the contract, DNR, NRCS or FSA numbers?

A: The acres should come from the DNR map. If acres/ footages from other maps are used instead of the DNR Map, a note should be placed on the contract to indicate where the numbers came from. A copy of the map that those values came from should also be attached as supporting documentation.

FAQ's

Q: How do I cut something out?

- A: 1. Make sure that only the layer(s) that need to be cut is/ are turned on.
2. Open the edit tool
 3. Select the cut feature
 4. Cut the layer that needs to be modified
 5. If necessary, delete the new polygon that was created. If not, make sure to fill in the polygon's attribute table.

FAQ's

Q: If I use a small polygon for the field number will the field acreage be shown accurately?

A: Unless a field polygon is drawn around the field boundary it will not measure the field. Many instances such as grazing systems the respective acres served polygon for that practice is what is used to determine the acres for the contract, the field number is used only to distinguish the field or paddock number from each other. It is recommended to use an available shape from the system such as the ellipse instead of free hand drawing a polygon when acres are not needed. This also allows the user to place the label where it does not conflict with another label that is turned on.



FAQ's

Q: Making multiple maps for the payment process is time consuming. What else can one do when the maps get so cluttered with labels covering everything up?

A: A whole farm perimeter map can be created for the report and attach that as the “Map” in MoSWIMS. If that does not show what is needed, a zoomed in map can be created using the print map feature button in the upper right hand corner. If labels are still an issue labels can be turned off and Adobe used to create labels where no other alternative is available.

FAQ's

Q: The technician does the planning another employee does the claiming. Is it possible to for another employee to change the status from planned to installed?

A: Possible options are being reviewed, but none available at this time. Coordinators now have access to edit or delete the layers when needed.

FAQ's

Q: When generating a map in MoSWIMS, I have a hard time getting what needs to show on the map. Some field numbers will show but not all.

A: Field numbers could be moved into different locations if something like the ellipse is used so they are not drawing on top of other labels. Multiple maps could be used or transparency on label list could be adjusted, sometimes can help. Or as listed in question earlier Adobe Acrobat could also be an option.

FAQ's

Q: Can we import maps from CD?

A: Yes, maps can be imported from CD, though these can't be saved in the mapping program directly. Any maps imported from another ESRI product would need to be traced or re-drawn to save the information to the mapping program. The closer you are able to zoom in the closer or more accurate the map will be.

Another option is to do the planning in the DNR Mapping App and then export those file layers into CD.

FAQ's

Q: Why are payments returned for no landowner name, farm/ tract number or location information- even though it's at the top of the second page.

A: The landowner name, farm number, tract number, township, section, and range are required at the top of the first page. There are editable fields that should be used for this information.

FAQ's

Q: Why isn't the Mapping app saving my information?

A: Make sure that you not clicking too fast for the computer and internet speed. If you click faster than the system can record, your information will not be saved.

FAQ's

Q: How do I change the transparency of a layer?

A: Click on the 3 dots next to the layer file in the layer list. It will open another menu box where the transparency can be changed.

FAQ's

Q: Why don't the roads have labels?

A: Road labels were defaulted to not show to not slow down the download time for the system. In order for the labels and pop-ups to show, click the 3 dots next to the layer file and select the appropriate label or pop up to show. It's also possible here to turn labels off you do not want to show.

FAQ's

Q: Zoom ability is limited, some labels can be challenging to not cover other things up? Any suggestions?

A: Turn off all layers that are not required, transparency could be adjusted, field numbers could be relocated or Adobe Acrobat could be used to apply labels.

FAQ's

Q: If I have a landowner whose neighbor had done cost-share, how do I limit what prints out on the map to only that landowners cost-share?

A: It is possible to isolate all features on one farm. Recommendation would be to add a unique ID to the comments section of all the features on that map and use the filter tool in the attribute table for that map.

Chromebook

Tips and Tricks