# National Dredging Quality Management Program

## QUICK GUIDE: DQM VIEWER – UNDERSTANDING the TRACK VIEW

**Show/Hide All Buttons**

**Home**
Return to Home view shown here.

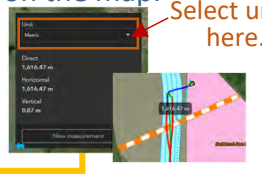
**Select Data**
Displays the Selectron to select and view data.

**Graph Data**
Opens a graph view below the track.

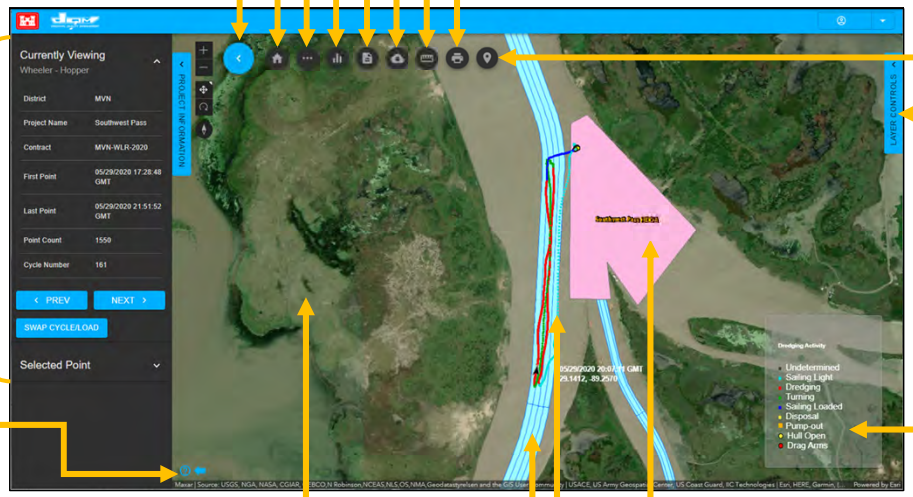
**Data Reports**
Generates selected reports for hoopers, scows, or pipelines.

**Export Data**
Save a copy of the data as an SHP or CSV.

**Measure Tool**
Measure the distance between two points on the map.




**Print**
Exports map to JPG.




**Project/Information Panel**
Displays details about the selected load or cycle and , if selected, a specific point within that load or cycle.

**Return to Project**
Returns the Track View to the initial full track view.

**Layer Control Tab**
Slides a panel listing available map layers.

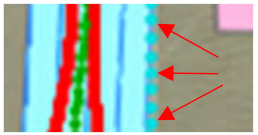
**Online Data Viewer Guide**
Displays a short video tutorial about current screen or dialog.

**Map Legend**
Identifies the dredge states occurring within the track.

**Base Map**
The map upon which other GIS layers are placed.

**Channel Framework**
Delineates official framework of channel.

**Dredge Track**
Points within the dredge track of the current load/cycle.



**Placement/Borrow Area**
Predefined areas where dredged material may be placed or from which material may be dredged ("borrowed").

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## QUICK GUIDE: DQM VIEWER – The TRACK VIEW Project/Information Panel

**Dredge Name – Dredge Type**
The name of the dredge and type of dredge whose track is displayed.

**District**
USACE District in which the dredging project is located.

**Project Name**
Descriptor of the area/project where dredging is occurring or, in the case of a beach nourishment job, where dredged material is being placed.

**Contract**
Contract or permit for the dredging project.

**First Point**
Date/time of the first point of the displayed track.

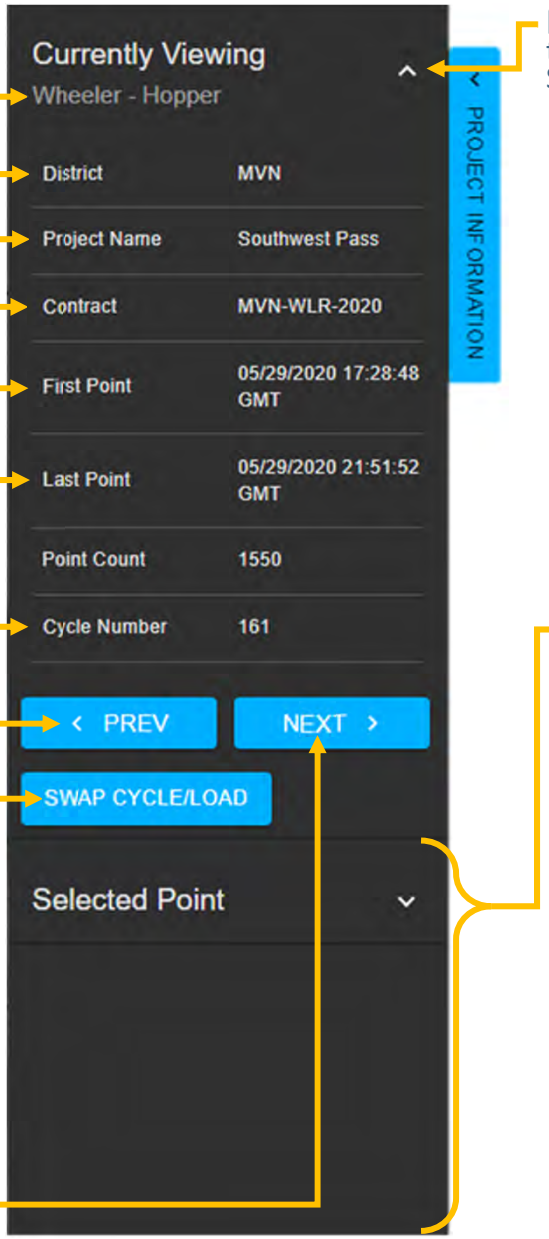
**Last Point**
Date/time of the last point of the displayed track.

**Cycle Number or Load Number**
Cycle/Load number of the displayed track.

**Prev**
Displays the track of the previous Cycle/Load (if any).

**Swap Cycle/Load**
Switches between calculated Cycle Number and reported Load Number.

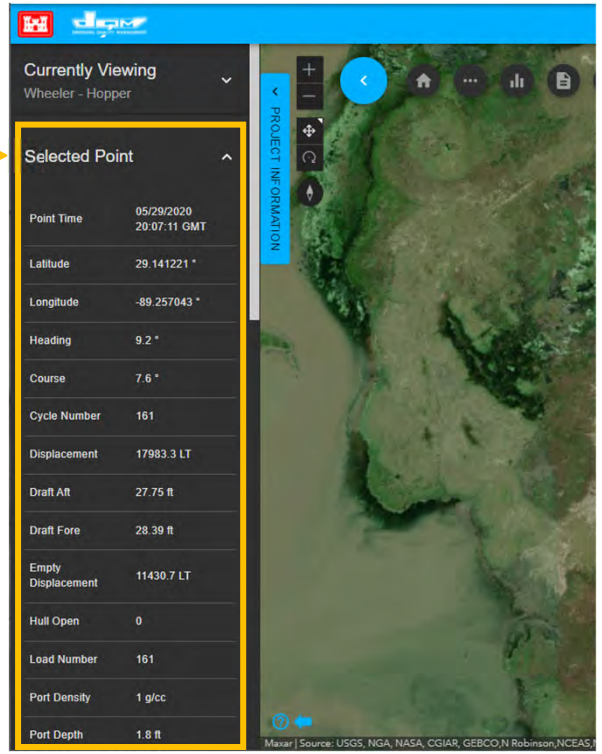
**Next**
Displays the track of the next Cycle/Load (if any).




**Note:** Clicking on this icon ( )hides the top half of the panel, so more Selected Point details can be displayed.

**Selected Point**
If a point is selected on the track, details about that point display in the bottom half of the Project/Information Panel.

Selected Point details document the data received from the dredge's sensors. Therefore, the number of details available depend on the type of plant for which the track is being displayed.



# National Dredging Quality Management Program

## QUICK GUIDE: DQM VIEWER – The TRACK VIEW Graphs

**Close**
Closes the Graph View.

**Graph Size**
Set % of the screen to be filled by graphs.

**Hide/Display**
Hide/display graph size options.

**Date/Time**
Shows date/time increments.

**Graph**
Visual plot of each metric selected in the legend.

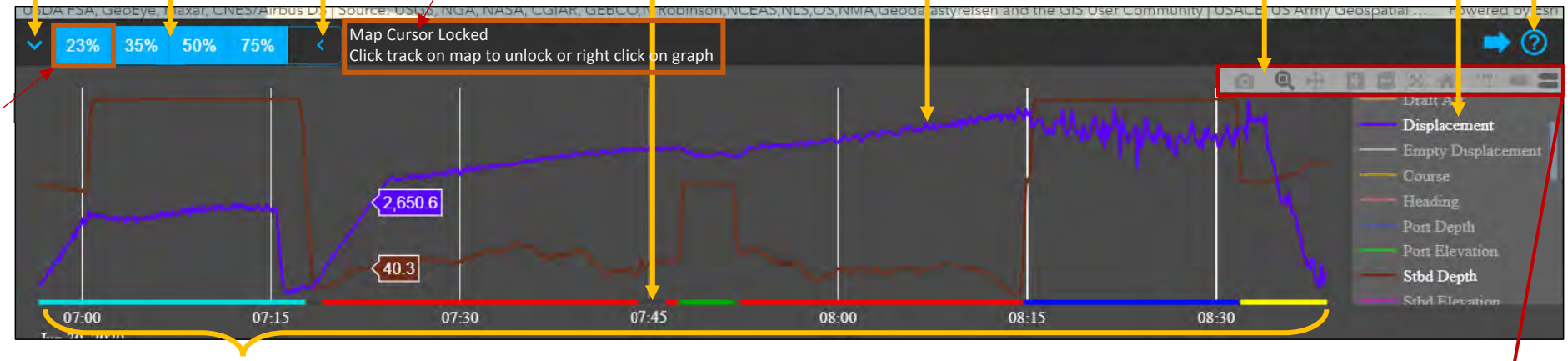
**Graph Toolbox**
Tools to manipulate the graph.

**Legend**
Allows selection of metric(s) to be graphed and identifies colors of each selection.

**Online Data Viewer Guide**
Displays a short video tutorial about current screen.

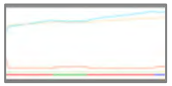
Cursor will lock when a point is selected, indicated here. Follow instructions to unlock.

Select scaling here.

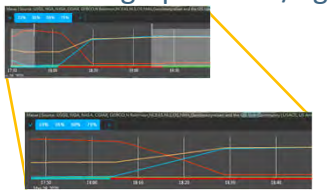



**Dredge State***
Color-coded; Scroll down in legend to view dredge states.


**Download Plot as PNG**



**Zoom**
Select specific area of graph



**Pan**
Scroll graph left/right.

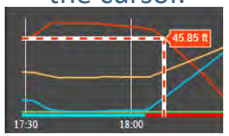
**Zoom In**
Shows less time.

**Zoom Out**
Shows more time.

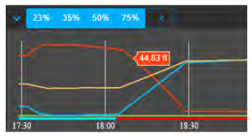
**Autoscale**
Resets to time of full load/cycle.

**Reset Axes**
Reserved for future use.

**Toggle Spike Lines**
Displays modified crosshairs from the cursor.




**Show Closest Data**
Displays date, time, value at cursor.




**Compare Data**
Displays all values at cursor.


*If dredge state is not plotted, DQM has not yet processed the dredge state for that swath of data.

# National Dredging Quality Management Program

## QUICK GUIDE: DQM VIEWER – Viewing Pipeline Dredge Status Details

**1** **Open the Dredge Status/Layer Panel**
Click the Dredge Status/Layer tab to slide it open from the right side of the Viewer. To close the panel, click the tab again.

**2** **Viewing Pipeline Dredge Status Details**
When a pipeline is displayed on the Track View screen, the Layer Controls tab changes to Dredge Status/Layer, and dredge status details for the pipeline display at the top of the panel.

**Note:** Values displayed represent end-of-day status, therefore "Data Not Available" might display when viewing the track of a pipeline during the day while it is actively dredging.

**Dailey Advance (ft)**
Total forward progress of the dredge relative to the centerline of the cut (ft).

**Pipe Length (to the nearest ft)**
Leverman's estimate of the length of pipe downflow from the dredge.

**Boosters**
Number of booster pumps.

**Slurry Detected Duration (hrs)**
Length of time during which slurry was detected.

**Other Duration (hrs)**
Length of time during which slurry was not detected.

**Density (g/cc)**
Slurry density of the material being moved to the nearest 0.01 gram/cubic centimeter (g/cc).

**Velocity (ft/s)**
Slurry density of the material being moved to the nearest 0.01 gram/cubic centimeter (g/cc).

**Note:** As you move the cursor over points on the track or if you click a point, the velocity gauge displays the specific velocity rather than the average.