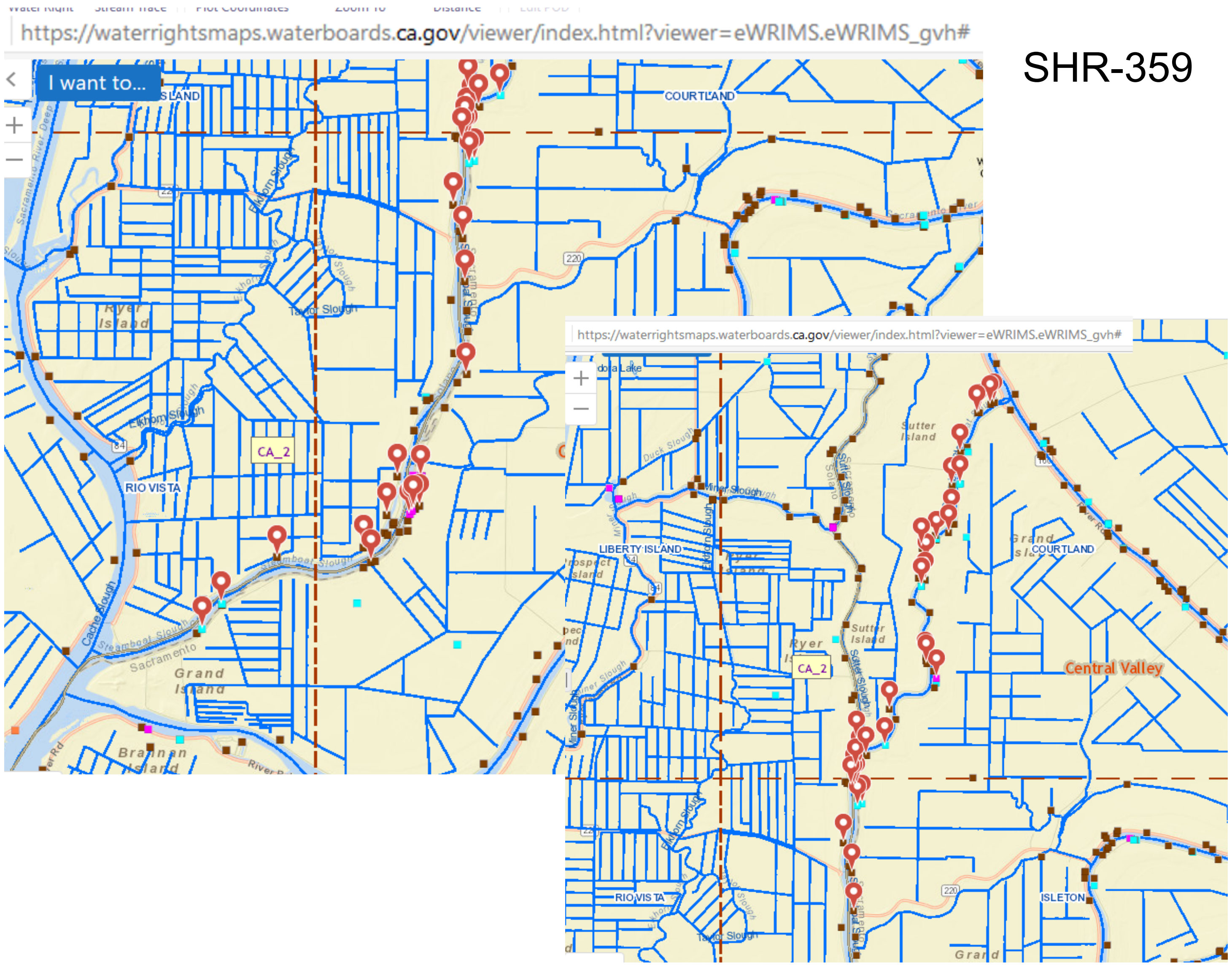
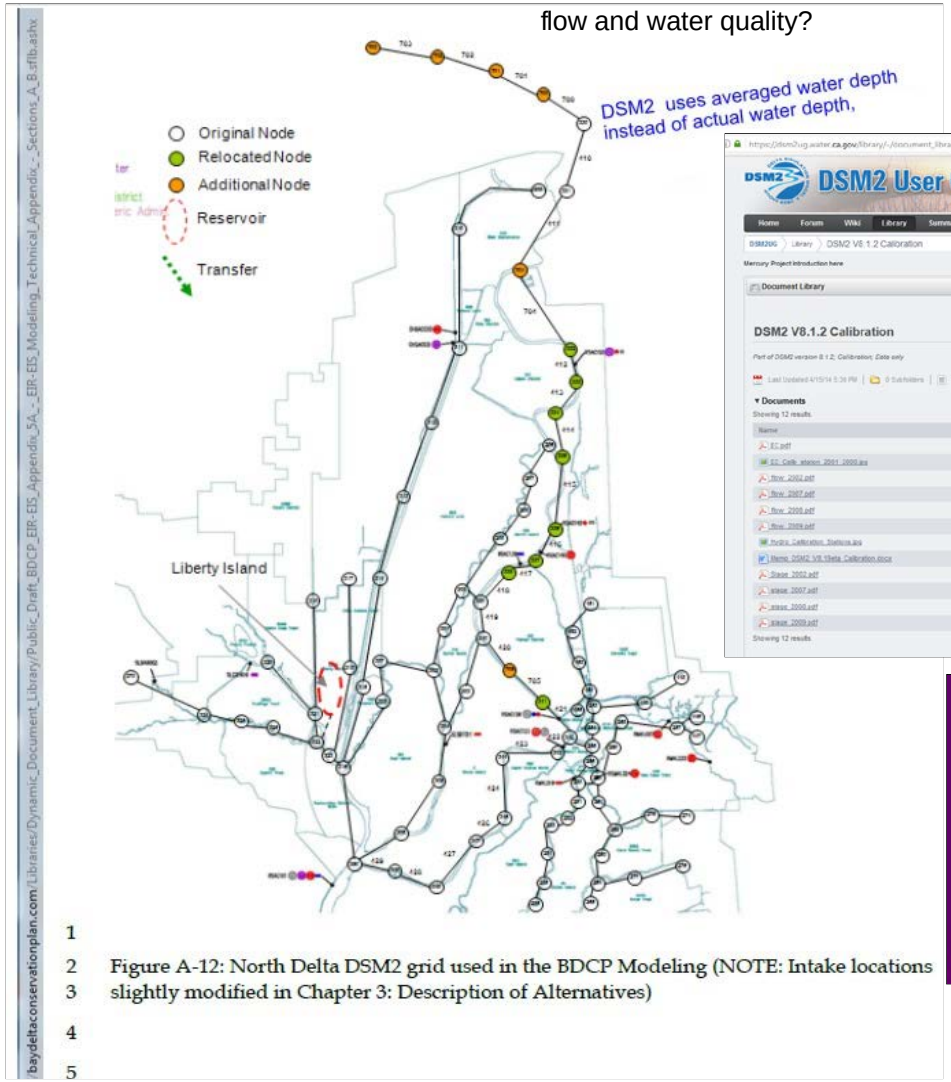
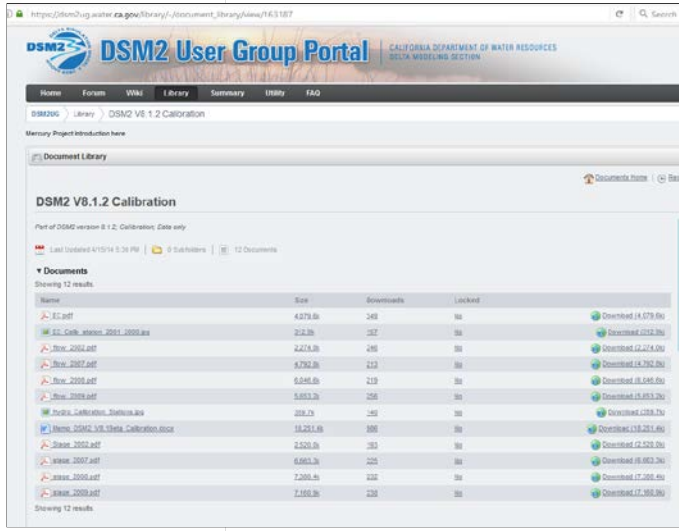
SHR-359

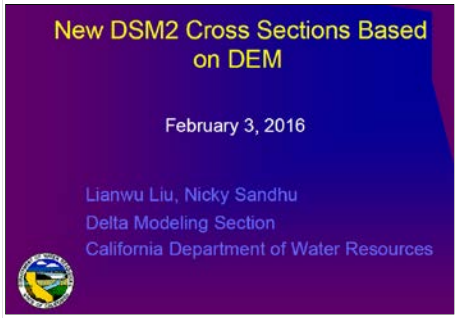


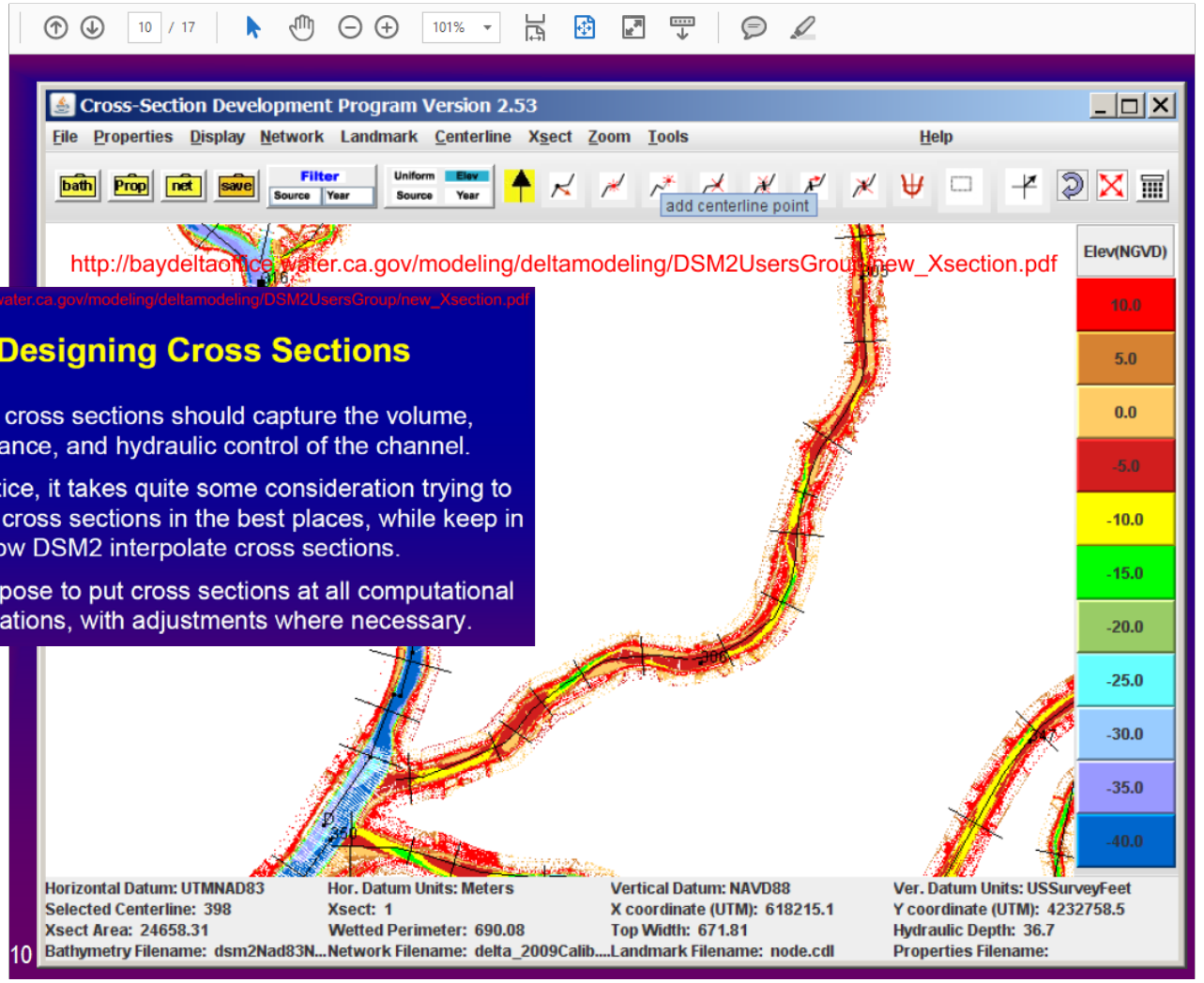
https://waterrightsmaps.waterboards.ca.gov/viewer/index.html?viewer=eWRIMS.eWRIMS_gvh#
I want to...
COURTLAND
Ryer Island
Elkhorn Slough
Taylor Slough
CA_2
RIO VISTA
Cache Slough
Steamboat Slough
Sacramento
Grand Island
Brannan Island
https://waterrightsmaps.waterboards.ca.gov/viewer/index.html?viewer=eWRIMS.eWRIMS_gvh#
Sutter Island
LIBERTY ISLAND
COURTLAND
Central Valley
ISLETON
RIO VISTA

When was Steamboat Slough last recalibrated for DSM2 bathymetry? Is that data reflected in the current Waterfix estimates for impacts to flow and water quality?

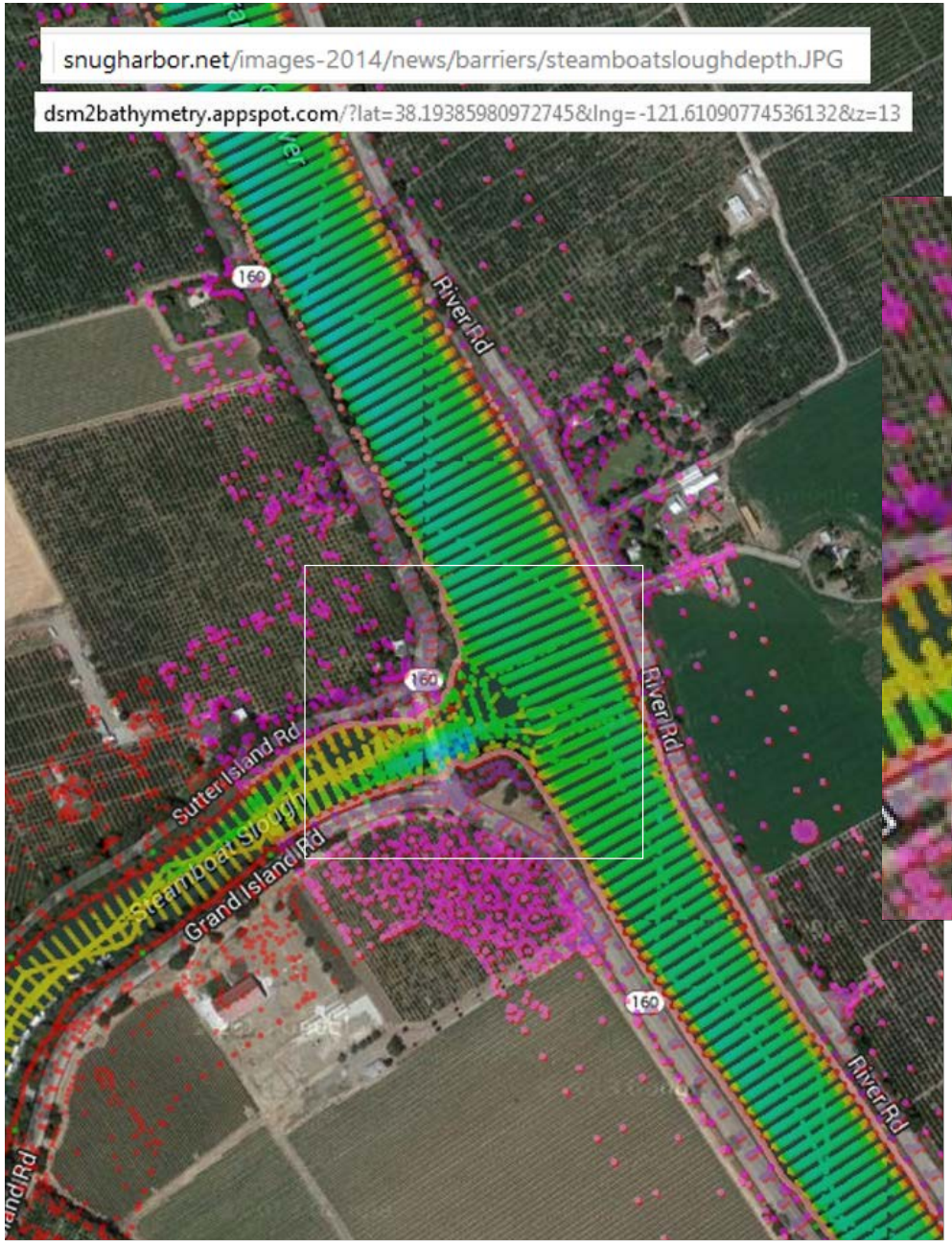




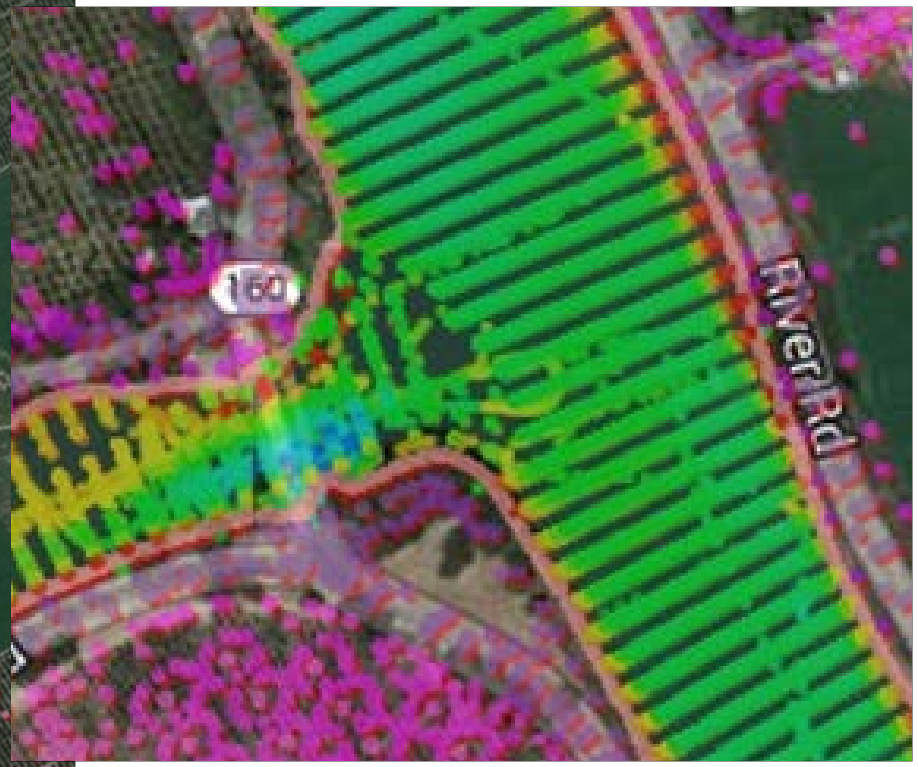




Who determines where the cross sections go? What is the goal of determining cross sections?
Note the graphic shows elevation and not water depth. What if water depth and/or elevation is off by 25% or more?



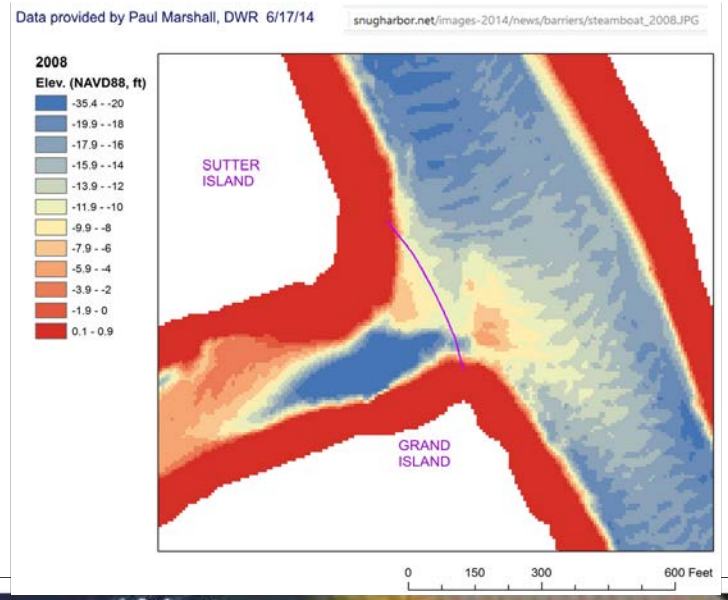
Here is an example of the survey results that used to be available online. Screen print was made by NSS and preserved at the Snug Harbor link as noted in the screen print.

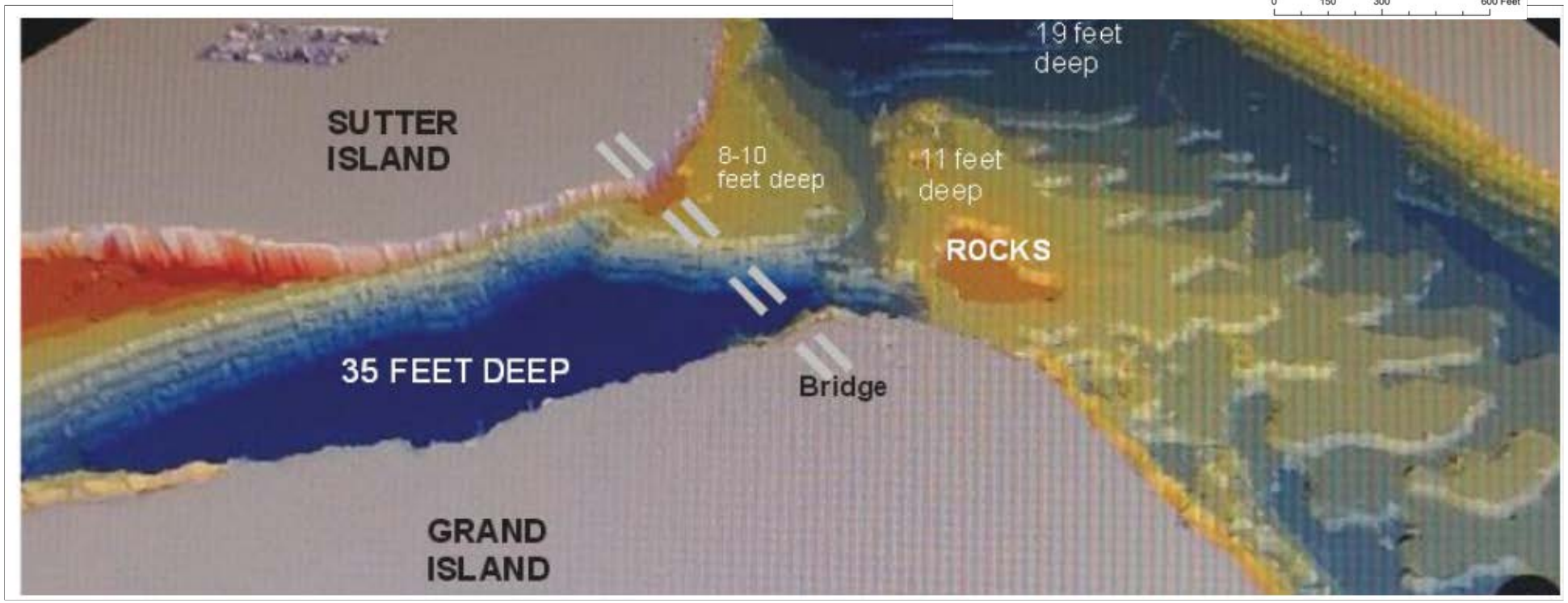


Who decided what cross section to use at the north end of Steamboat Slough?
Would it be important for DSM2 to represent any barriers to flow in order for the model to accurately predict impacts from reduced flows?

Bathymetry from 2008, as provided by Paul Marshall of the Delta Barriers planning branch, shows a subsurface flow barrier at the north end of Steamboat Slough. Was a cross section representing this subsurface flow barrier added to DSM2 in the 2016 recalibration?

More important, what version of DSM2 is Waterfix effects analysis based upon and if it does not reflect correct channel depths for Steamboat Slough how might that change the effects outcomes?





Have the cross sections of DSM2 been recalibrated to reflect the reduced channel width at the BDCP restoration sites on lower Steamboat Slough which effectively reduced channel width by at least 100 feet, thereby reducing flood flow capacity?

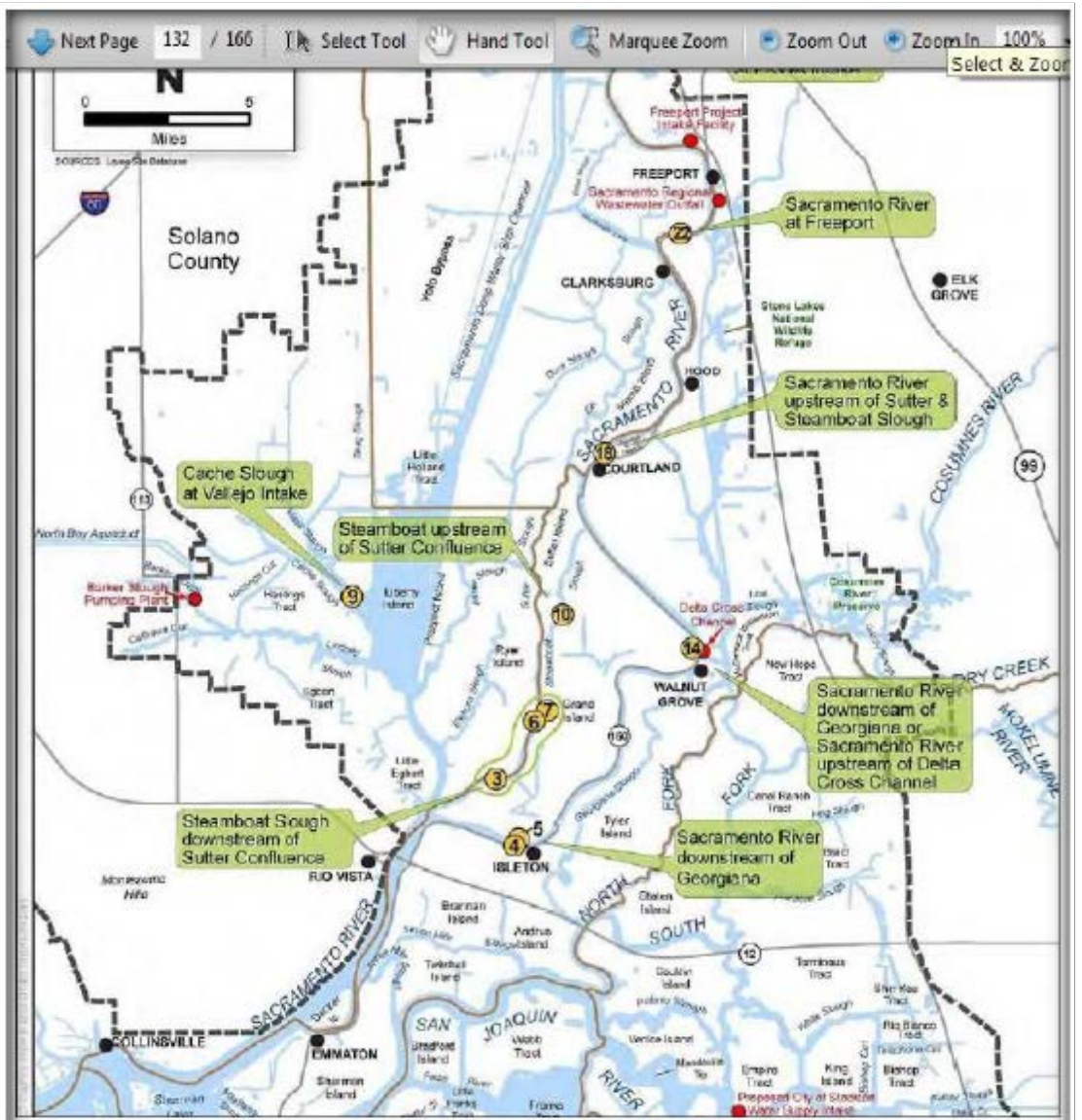


Figure 5C.4-27. Bench Habitat Analysis Sites

10-sediment insertion and bench test resulted in raising bed of waterway

6,7 Large trees placed in waterway near banks to capture sediment & reduce waterway navigation and use in this area

3 bench built up and planted with tules but was infested with egeria densa which is not suitable for salmonids. Also causes flood control issues as bench reduces water outflow in high flow times.

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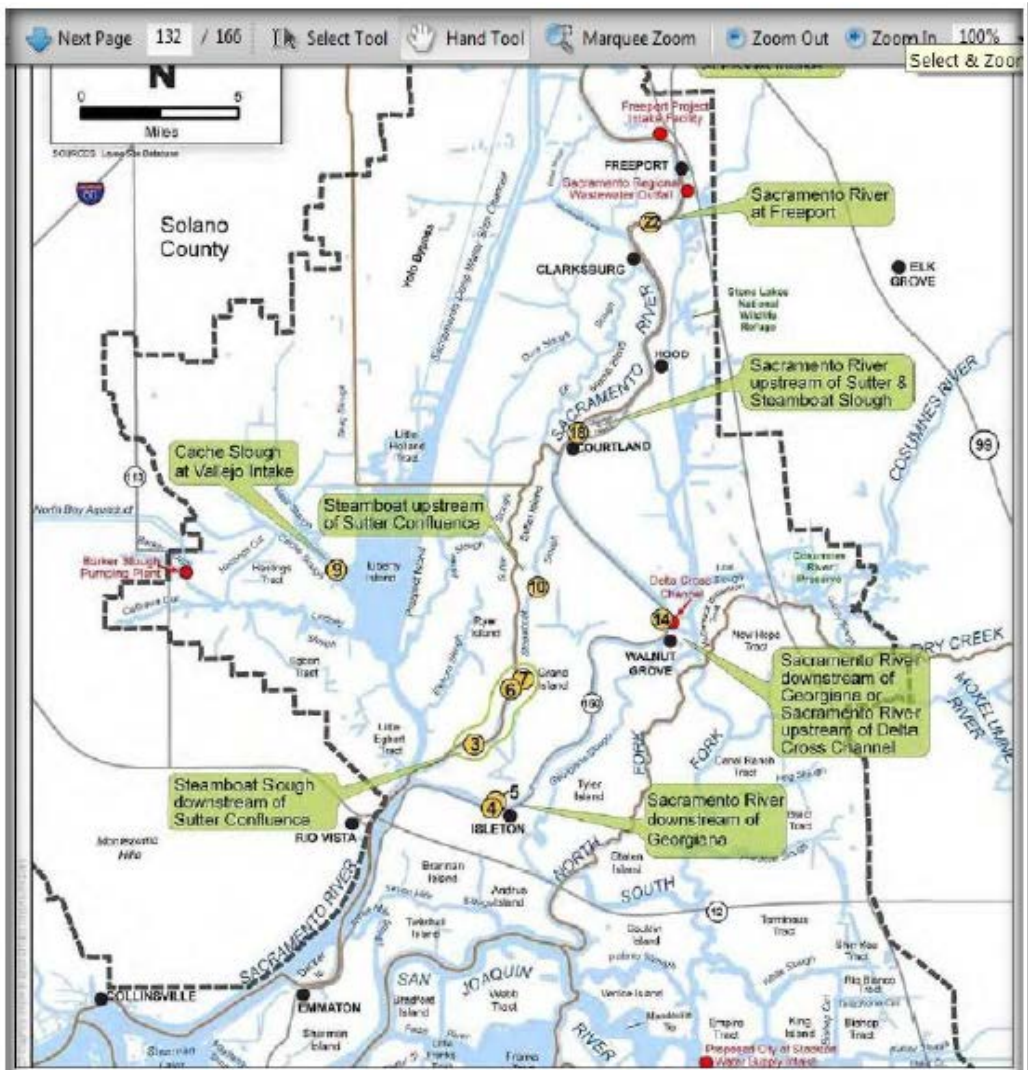

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If DWR is supposed to represent all Californians, why was so much money spent on modeling effects f or MWD water supply pathway, and not for the effects on Northern California and North Delta water users?