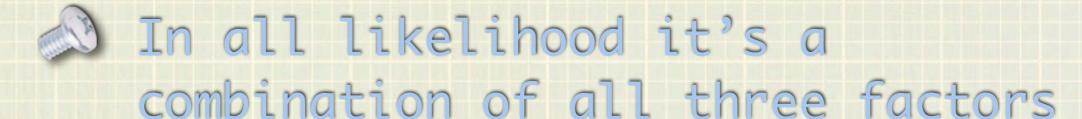
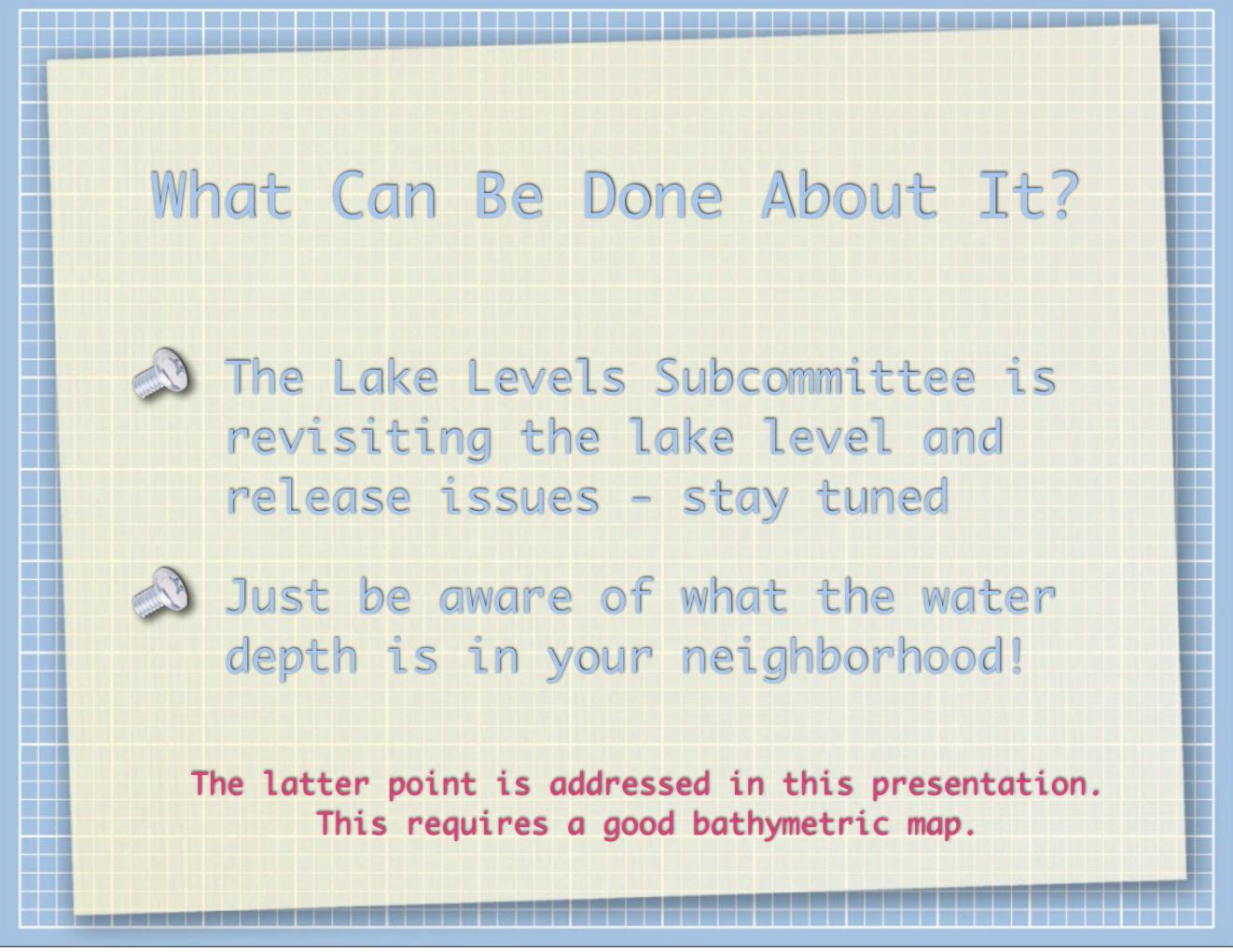


The Answer?

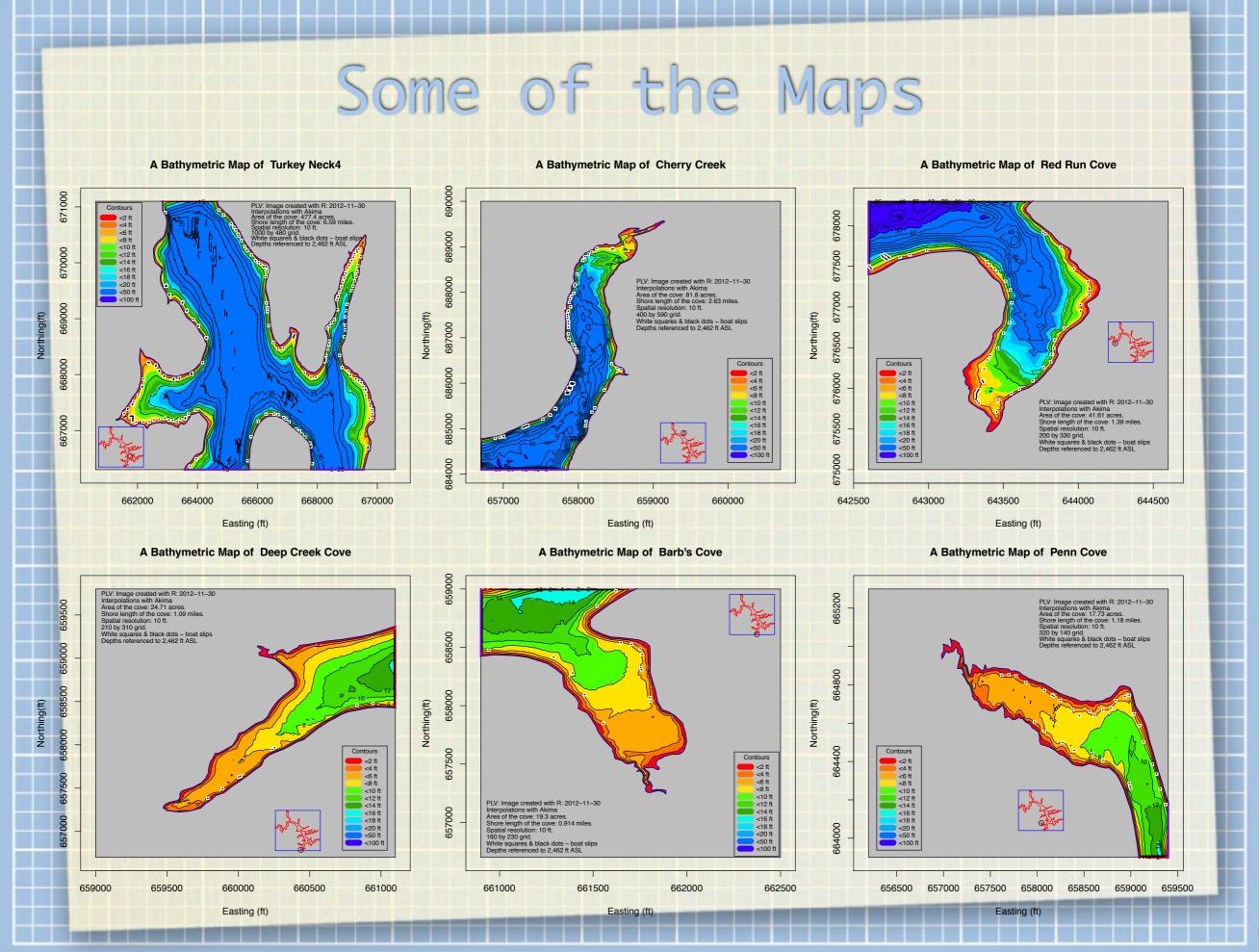


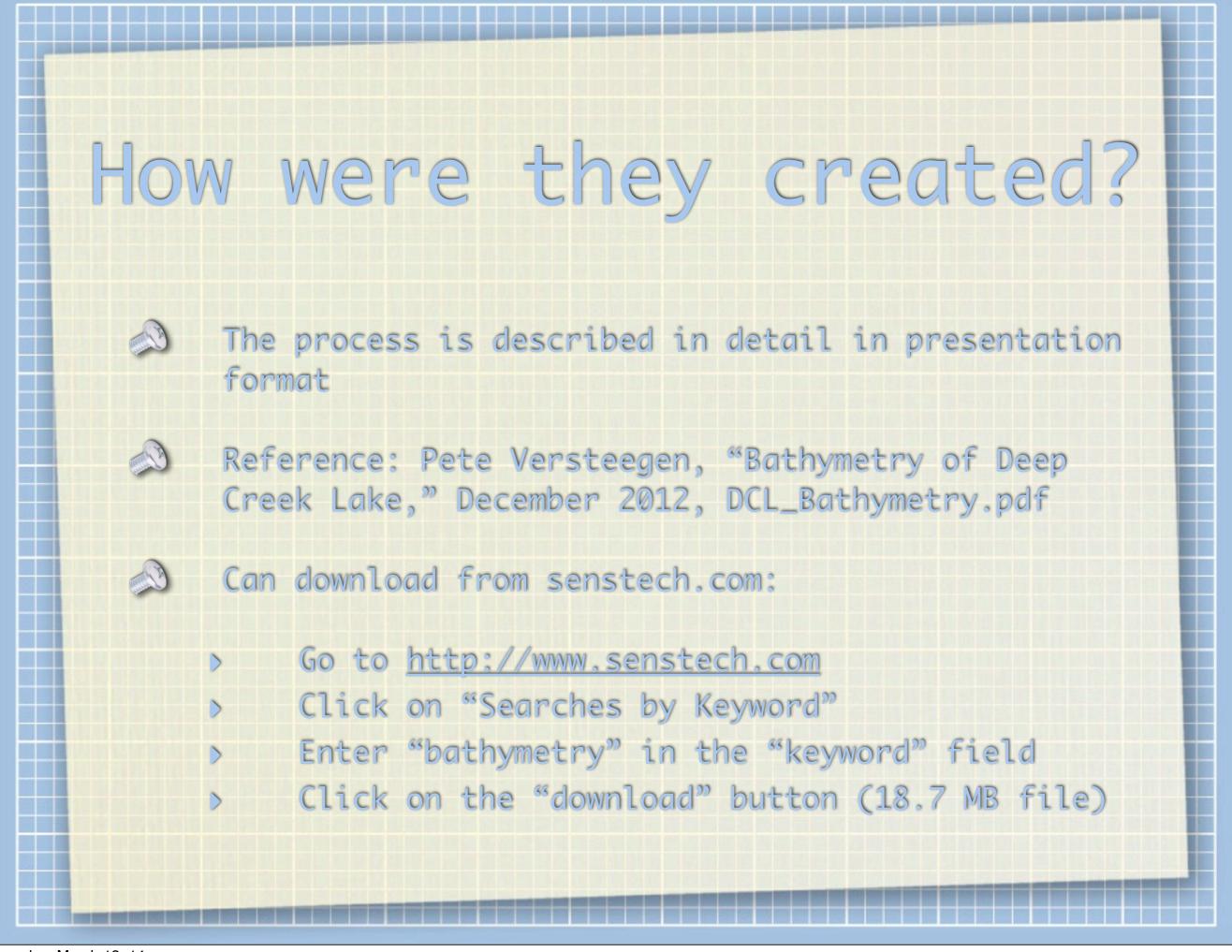
- Some of the coves have experienced significant sedimentation (still awaiting DNRs report on this issue)
- Lake levels are subject to the amount of rain received and the protocol that dictates the amounts released through the hydroelectric station for power generation, whitewater recreation and Youghiogheny water temperature control
 - The overall lake bottom slopes downwards from the southern end of the lake to the northern end

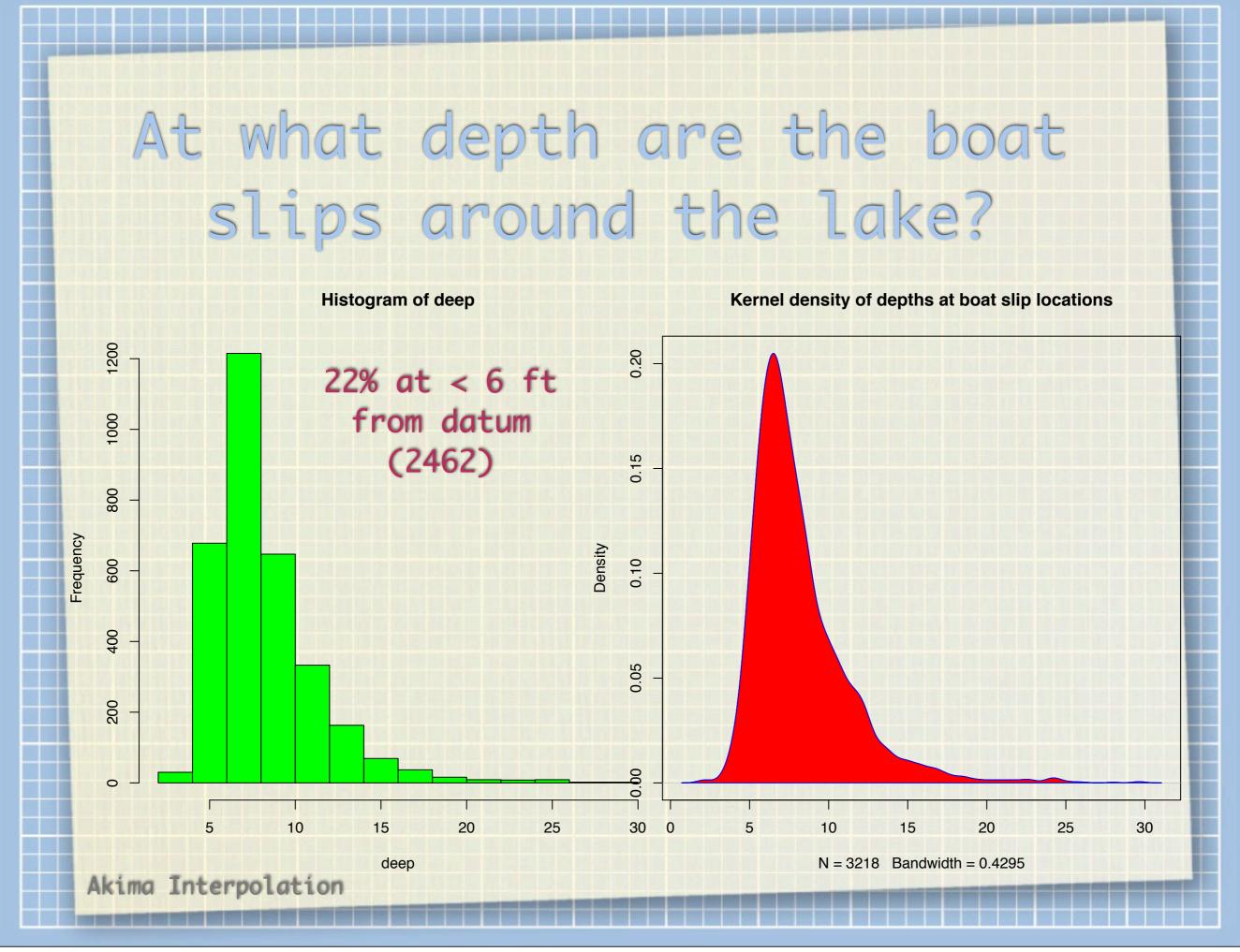


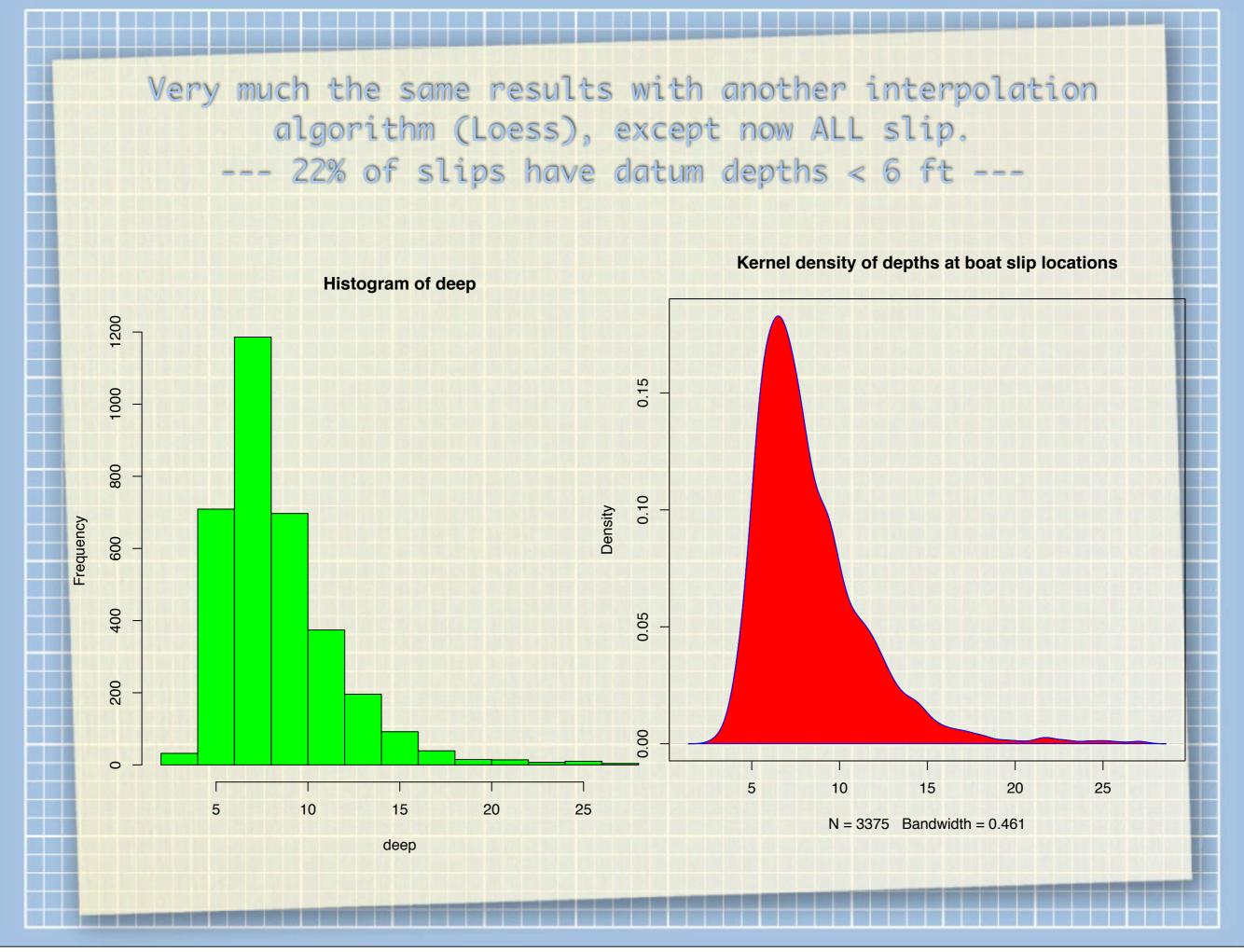
What's Been Done?

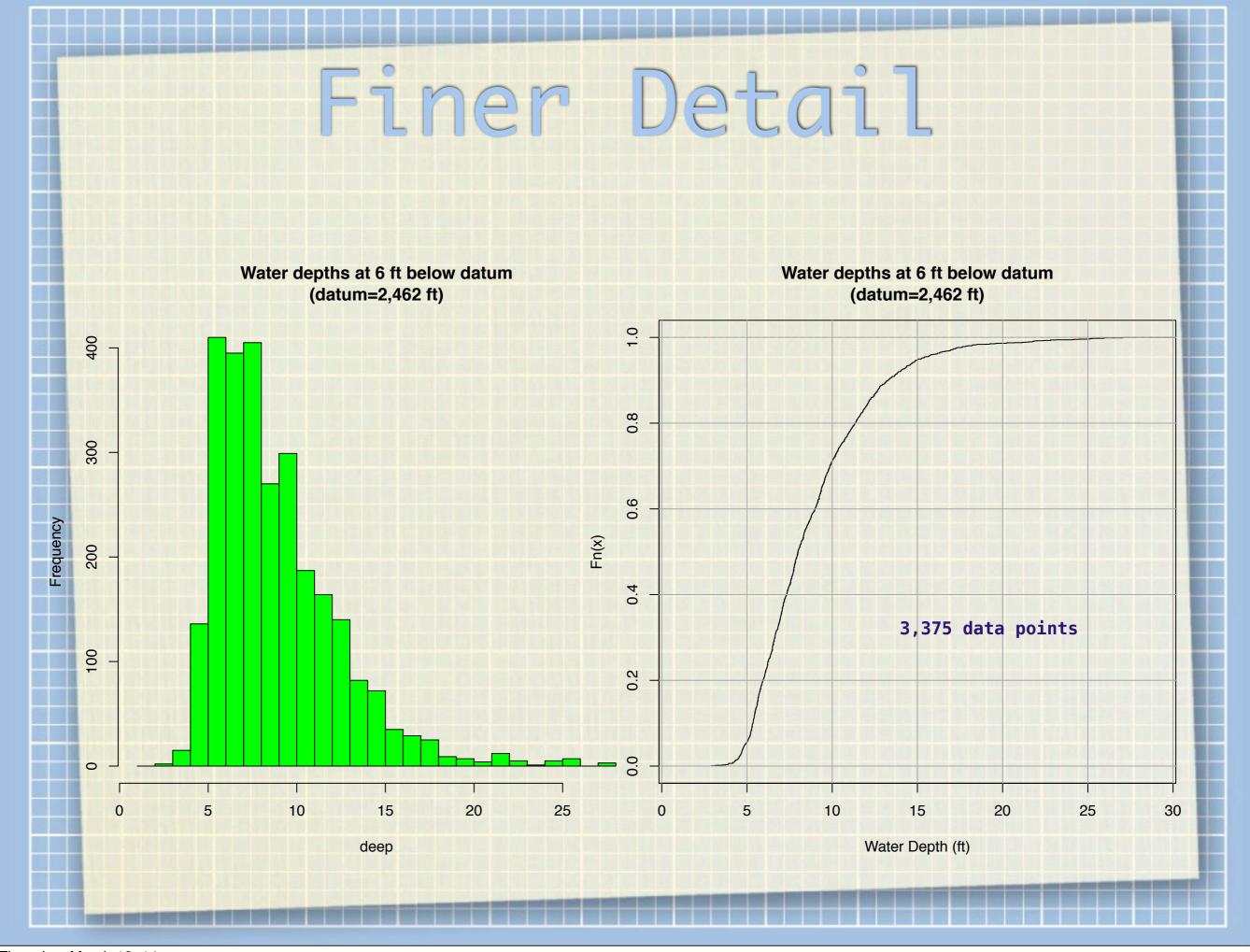
- Examined various methodologies to generate bathymetric contours and selected one
- Used DNRs data to generate detailed bathymetric maps for over 30 coves/areas of the lake
- Digitized 3,377 boat slips as they were in place on June 3, 2011
- Produced a variety of graphical images of depth contours and boat slip locations.
- They can be found on the Deep Creek Answers website "http://deepcreekanswers.com/topics/bathymetry.php"
- The POA has also been working on a tool that may be helpful: "<a href="http://deepcreeklakepoa.com/mapping/exclusive-poa-mapping-tool" http://deepcreeklakepoa.com/mapping/exclusive-poa-mapping-tool" http://deepcreeklakepoa.com/mapping/exclusive-poa-mapping-tool
 - Find your slip and how deep the waters are around you











How Computed? For each boat slip selected all DNR data points within a 400 foot square (range of number of points typically from 400 to 600) Created a surface with those points using the same methodology as used for the bathymetric maps Recorded the depth at the location of the boat slip Out of 3,377 slips, the Akima algorithm could not produce a number for 59 of them, while Loess could do all. If all of 59 would be > 6ft, that would still mean 21% were less than 6 ft. A surprising number!

