

Know Your Lidar Data

Assessing the Accuracy/Quality
Integrating Other Sources of Data
Extracting Information and Features From
Lidar Data

Karen Kwasnowski



GROUNDPOINT
TECHNOLOGIES, LLC

Today's Topics

- ▶ What does Lidar data look like?
- ▶ Errors in the Lidar data
- ▶ **Integrating other datasets with Lidar**
- ▶ Extracting Information from Lidar

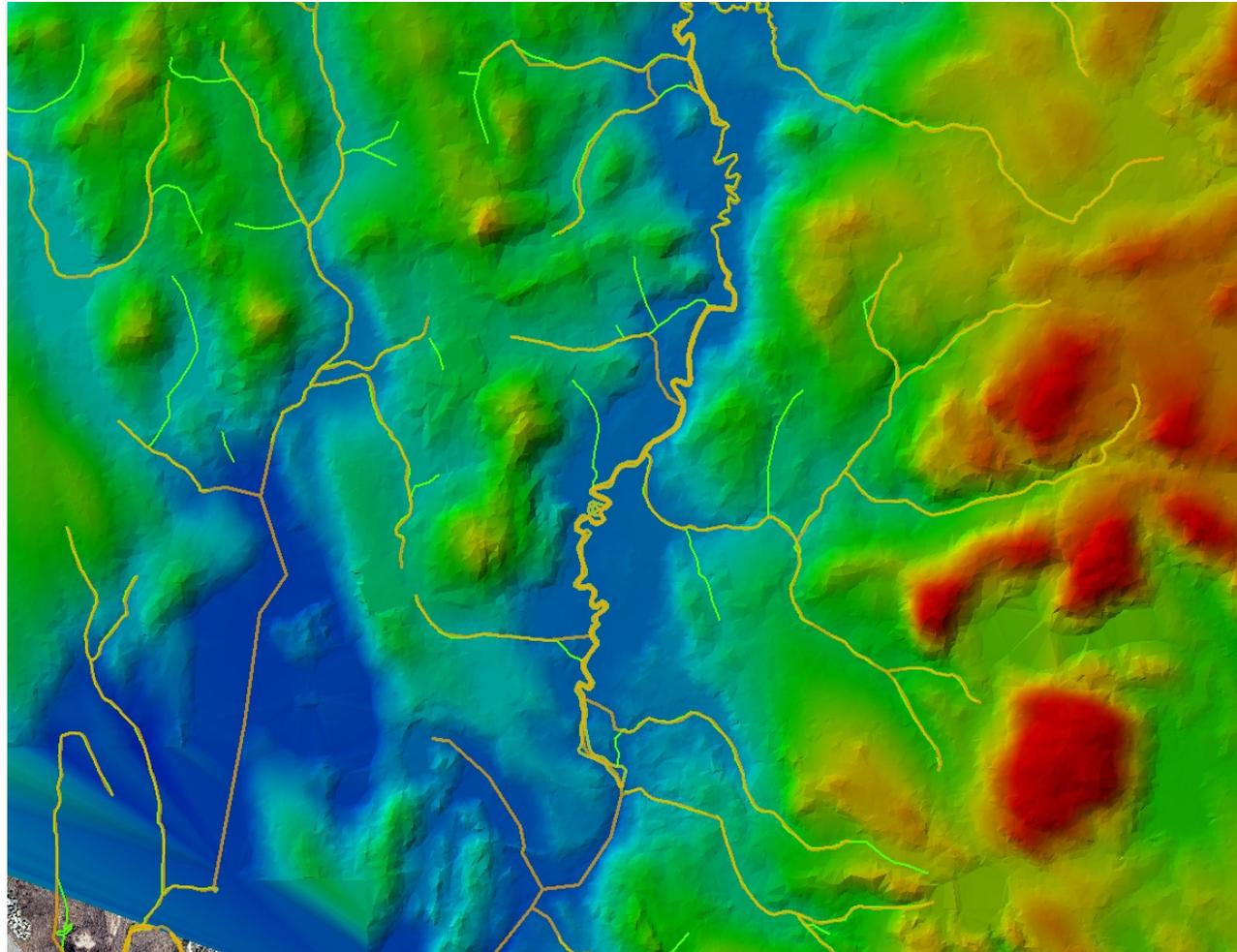
Hydrography

▶ NHD
1 : 24,000



Hydrography

▶ NHD
1 : 24,000



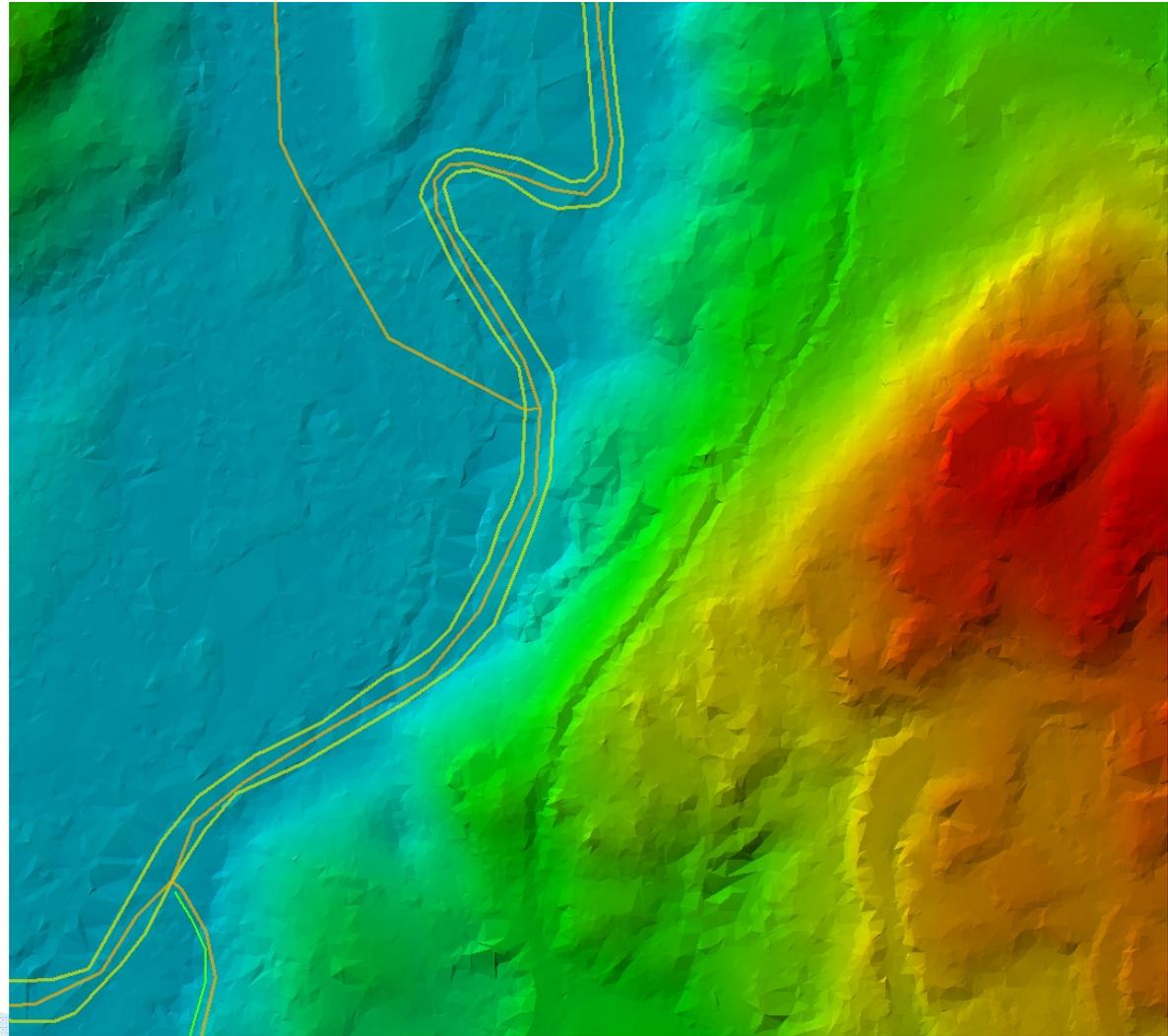
Hydrography

▶ NHD
1 : 2400



Hydrography

- ▶ NHD
1 : 2400



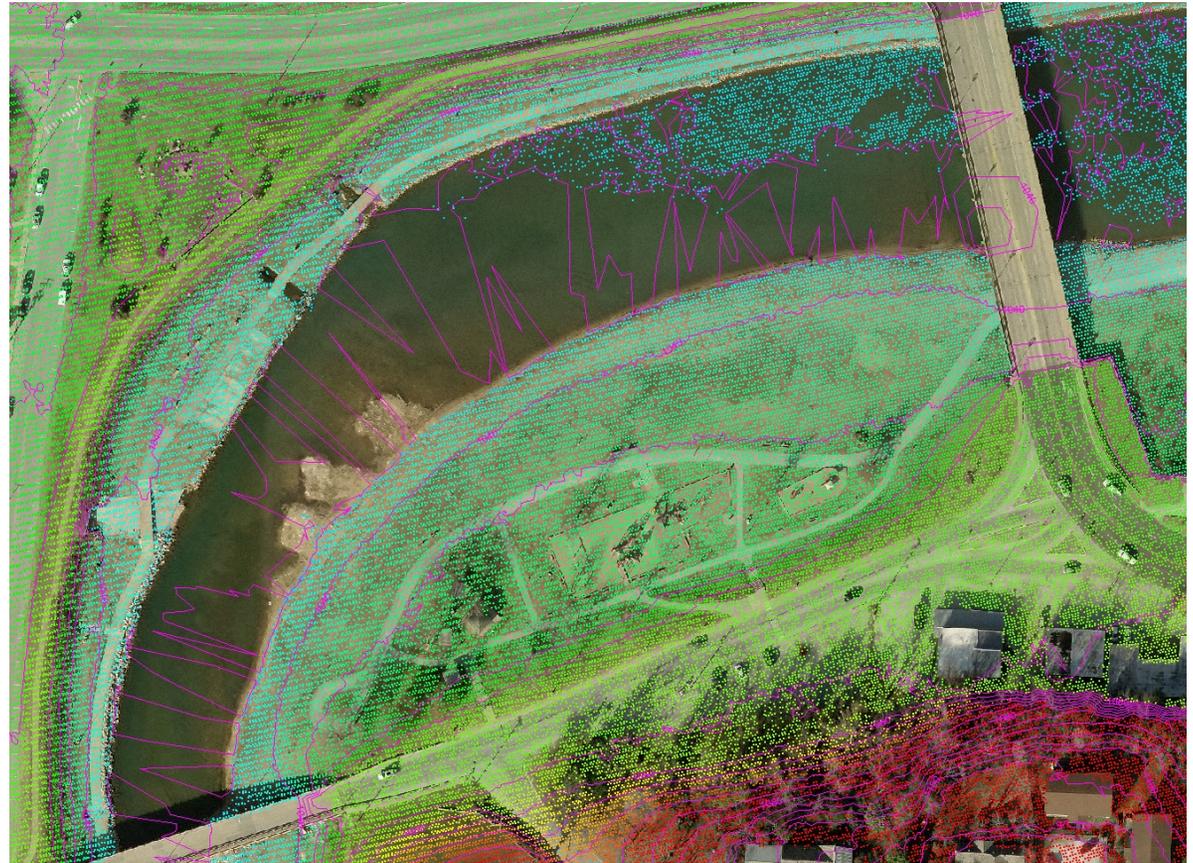
Hydro Breaklines

- ▶ Lines added to improve the lidar surface and derivative products



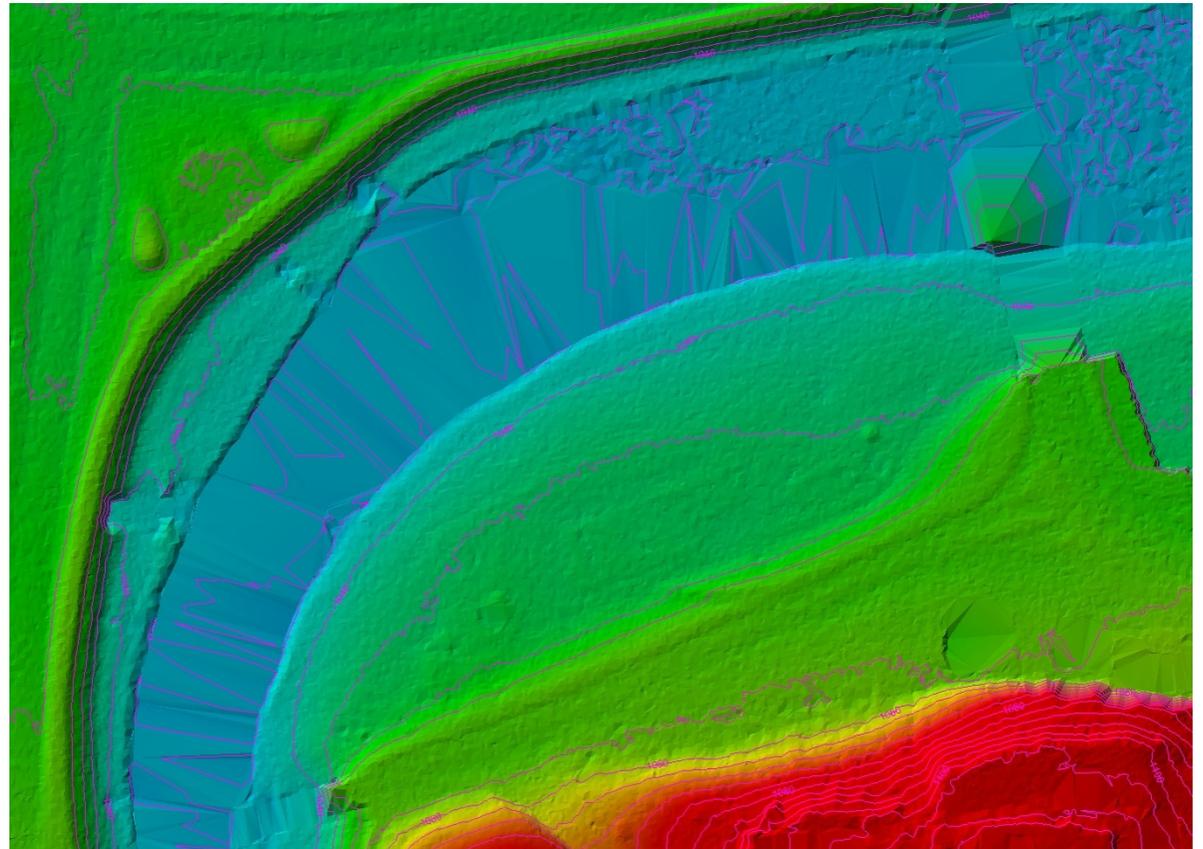
Hydro Breaklines

- ▶ Ground Points and Contours



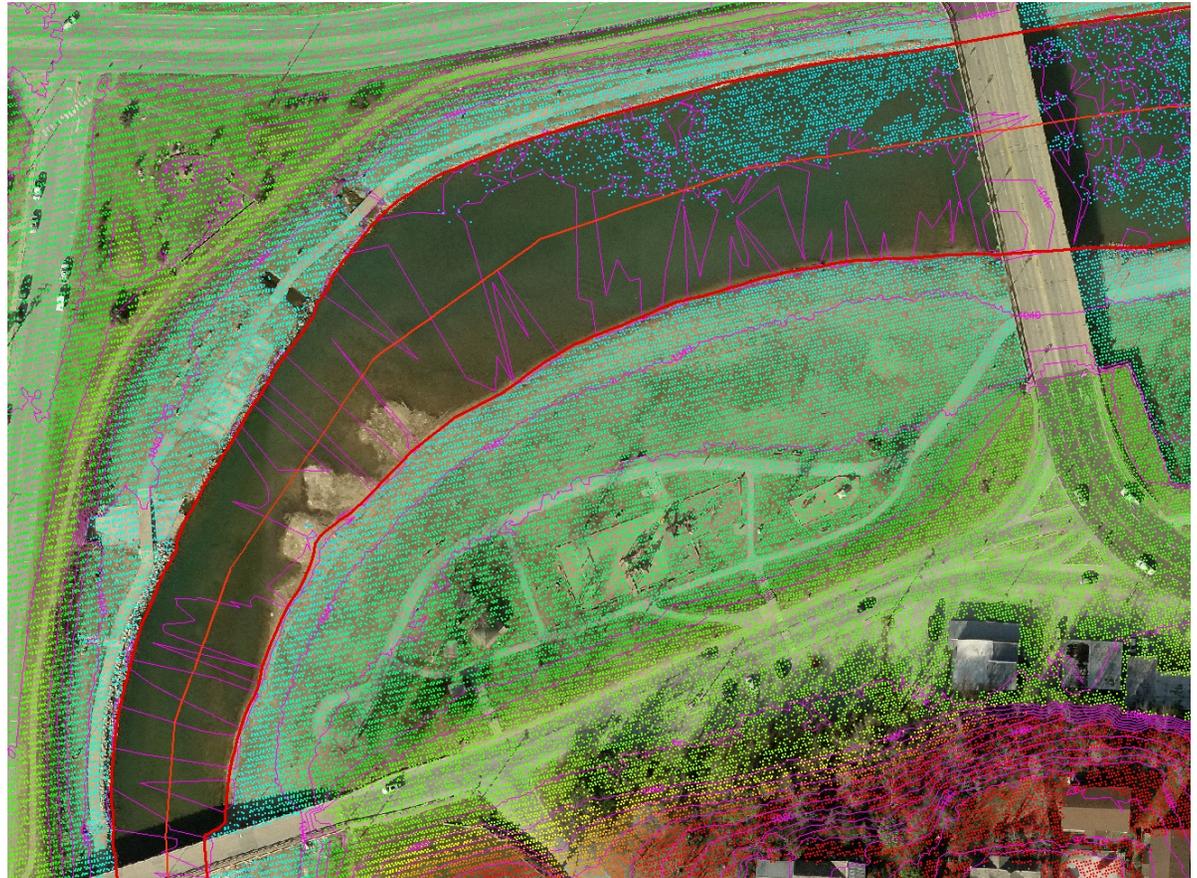
Hydro Breaklines

- ▶ Ground Points and Contours on TIN



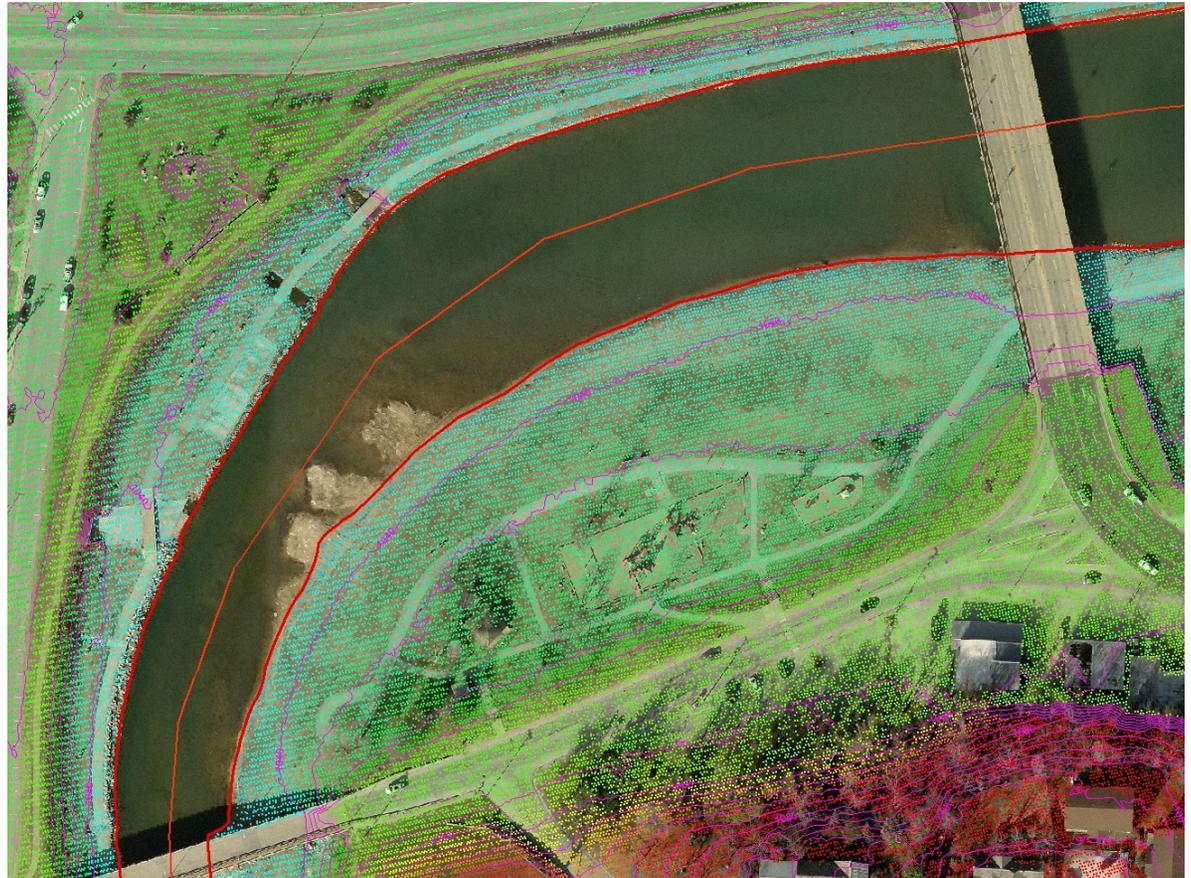
Hydro Breaklines

- ▶ Delineate Wide River Breaklines



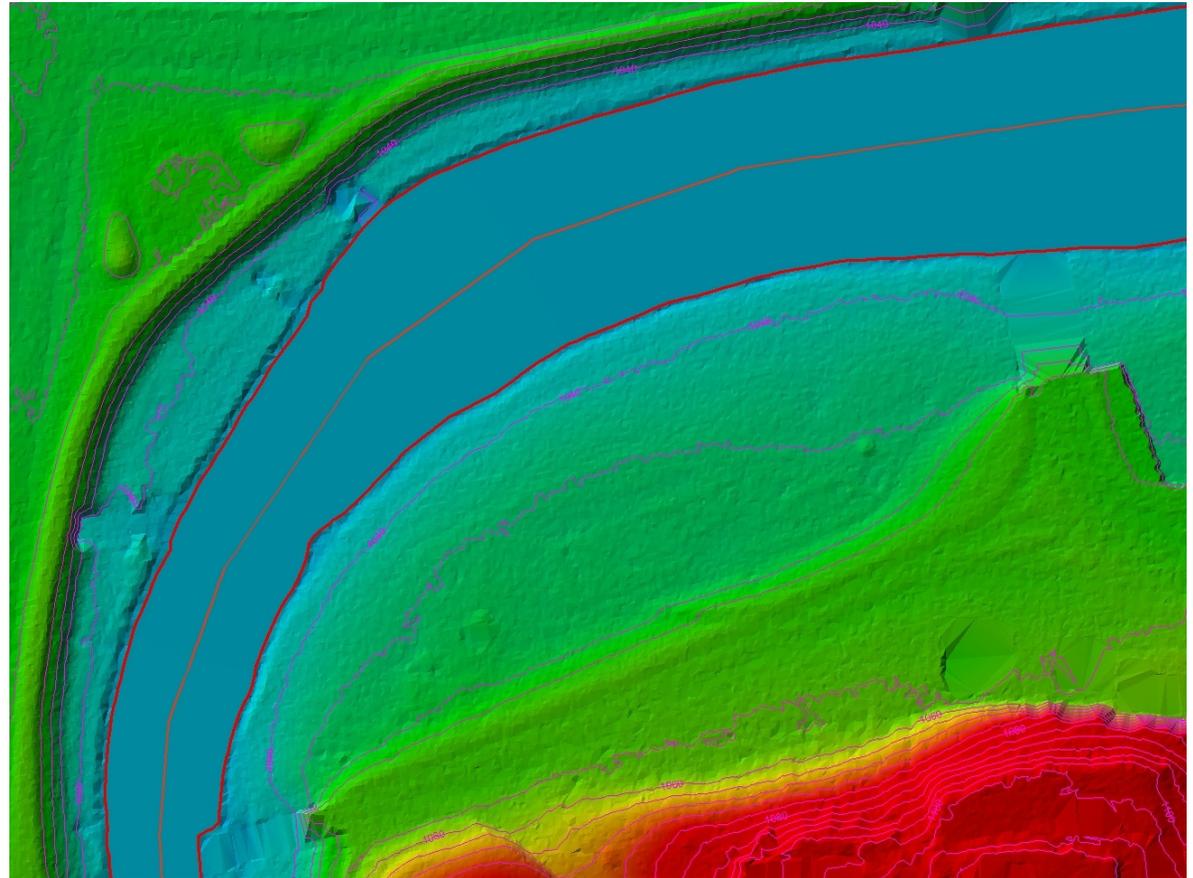
Hydro Breaklines

- ▶ Classify Ground Points to Water Class within Wide River Breaklines



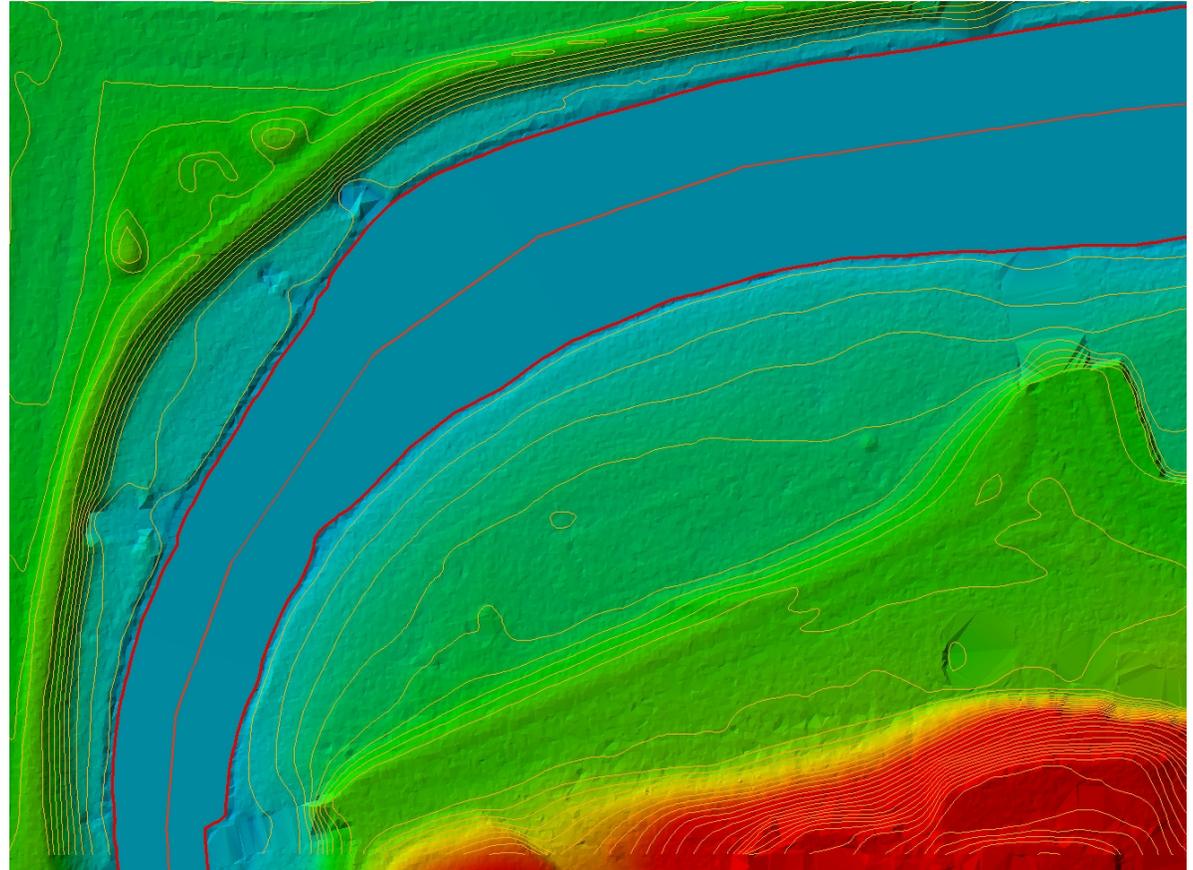
Hydro Breaklines

- ▶ Wide River Breakline incorporated into lidar surface



Hydro Breaklines

- ▶ Wide River Breakline incorporated into lidar surface



Imagery



Imagery

