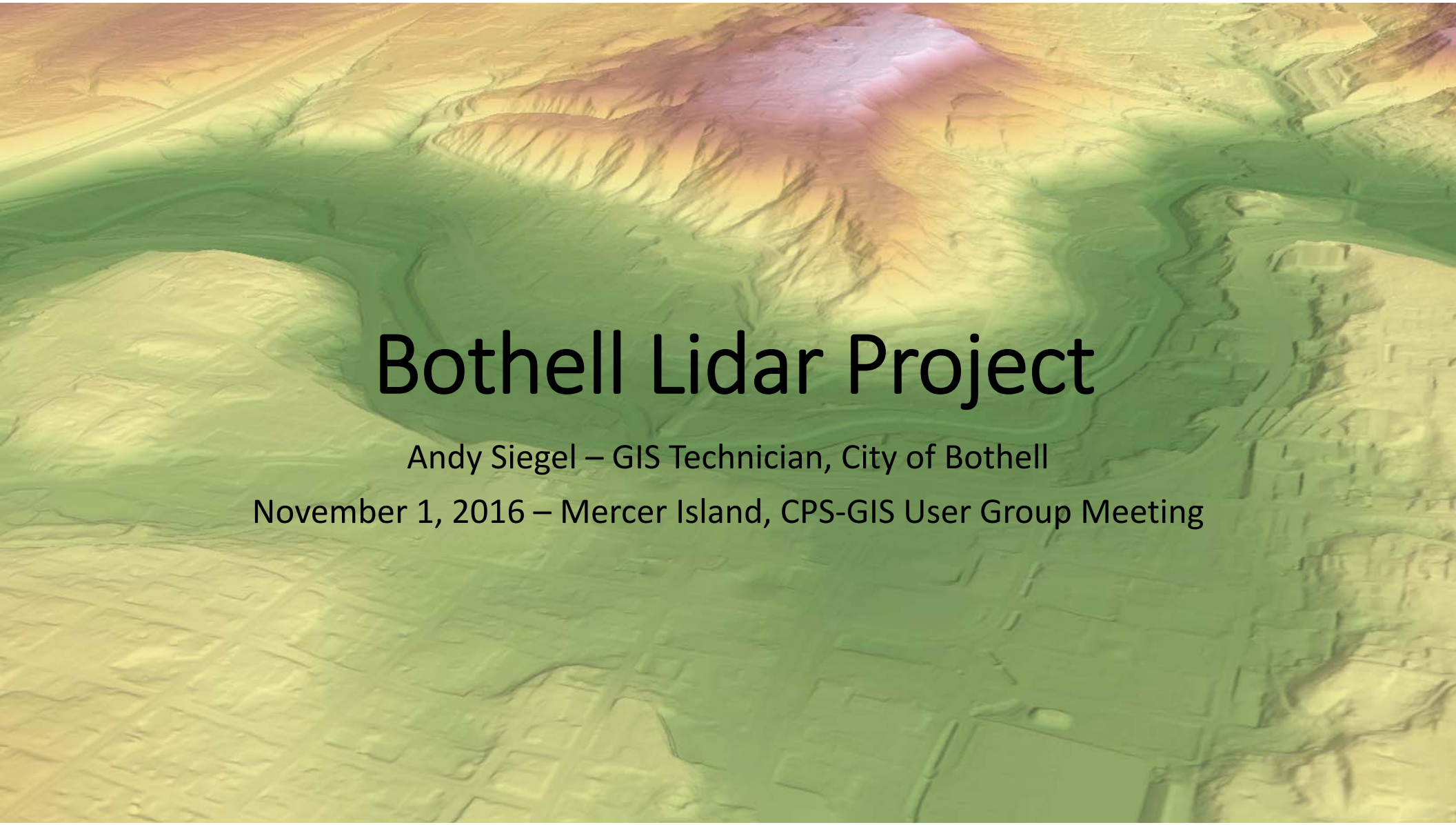
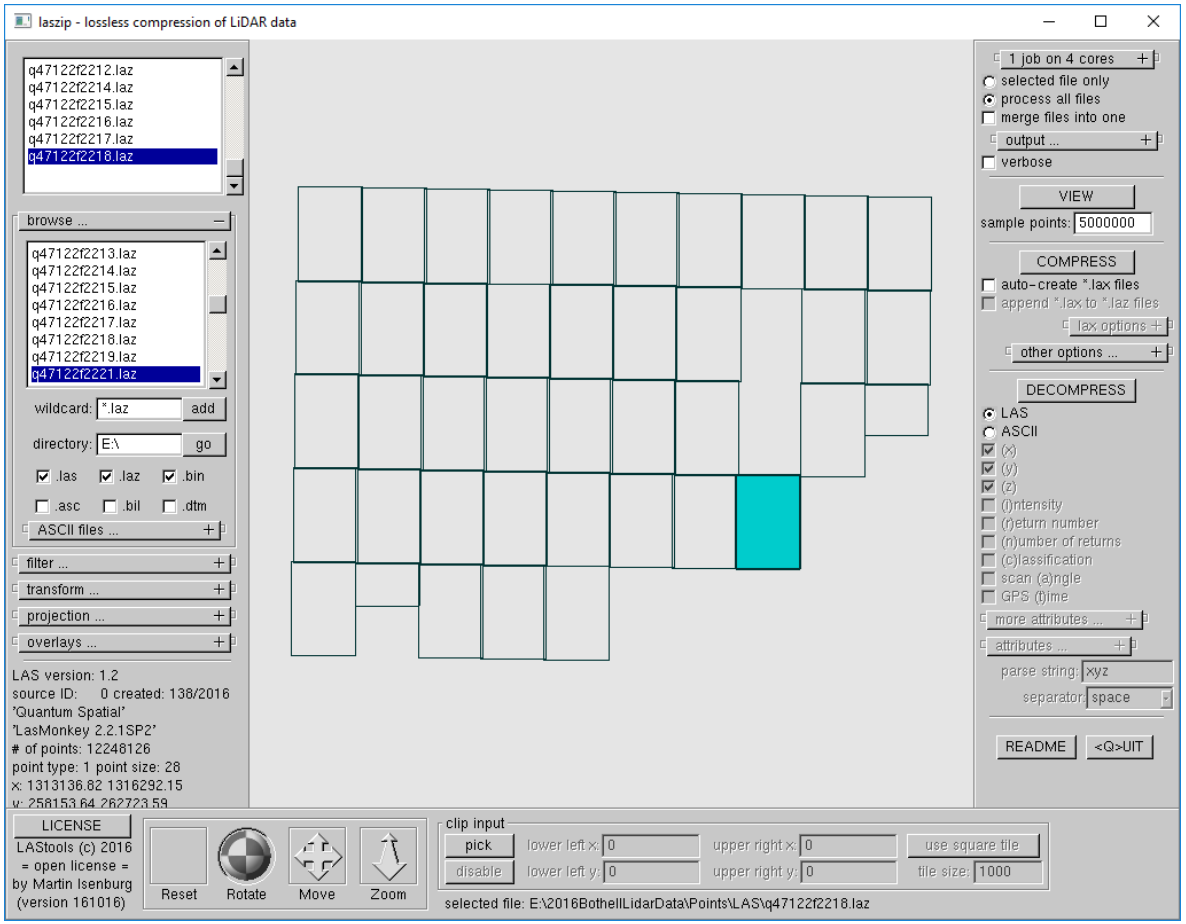


Bothell Lidar Project

Andy Siegel – GIS Technician, City of Bothell

November 1, 2016 – Mercer Island, CPS-GIS User Group Meeting

LAS Zip Tool



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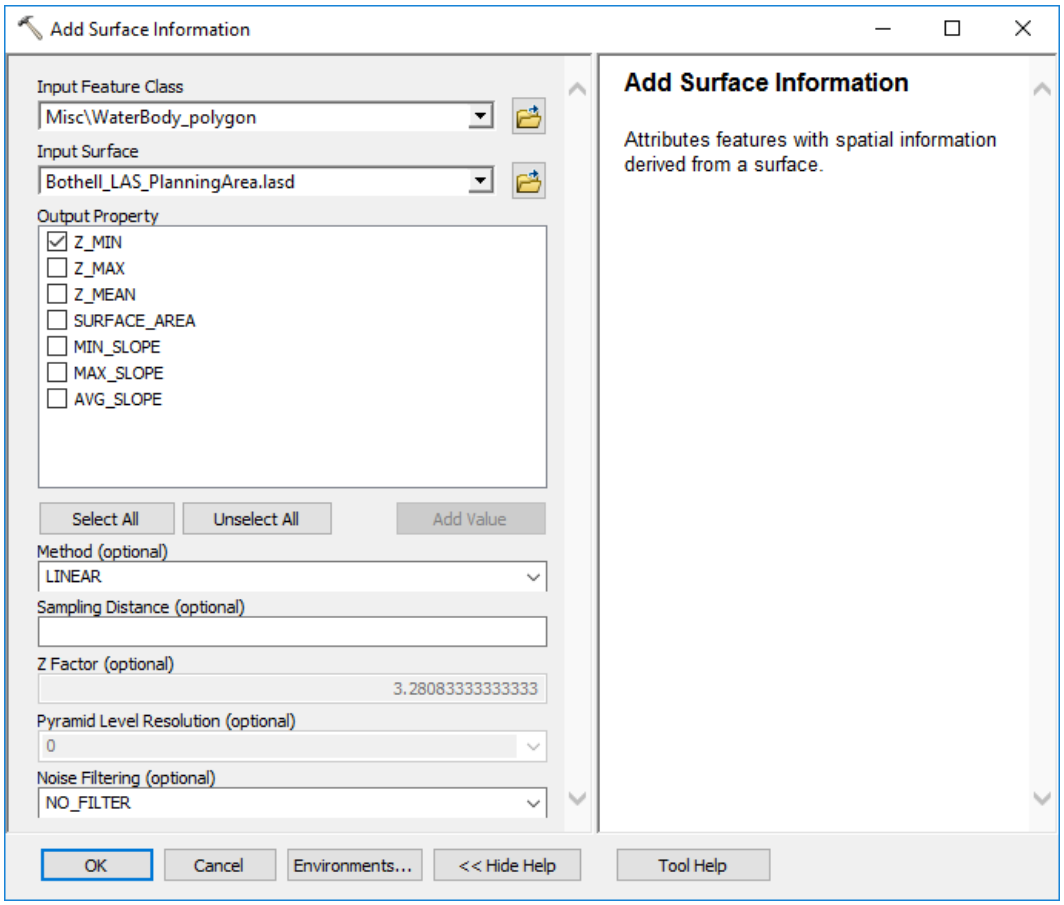
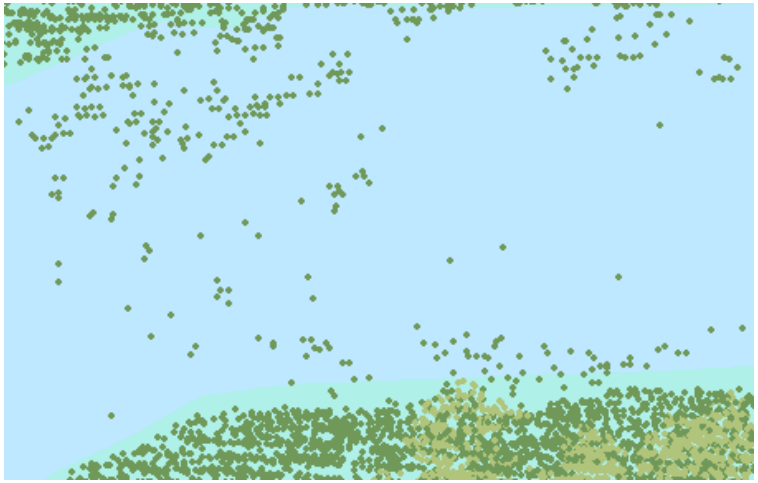
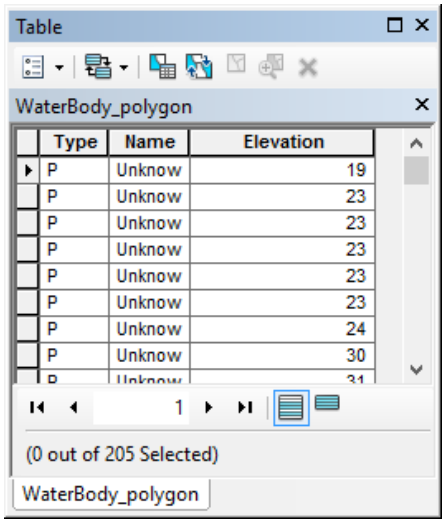
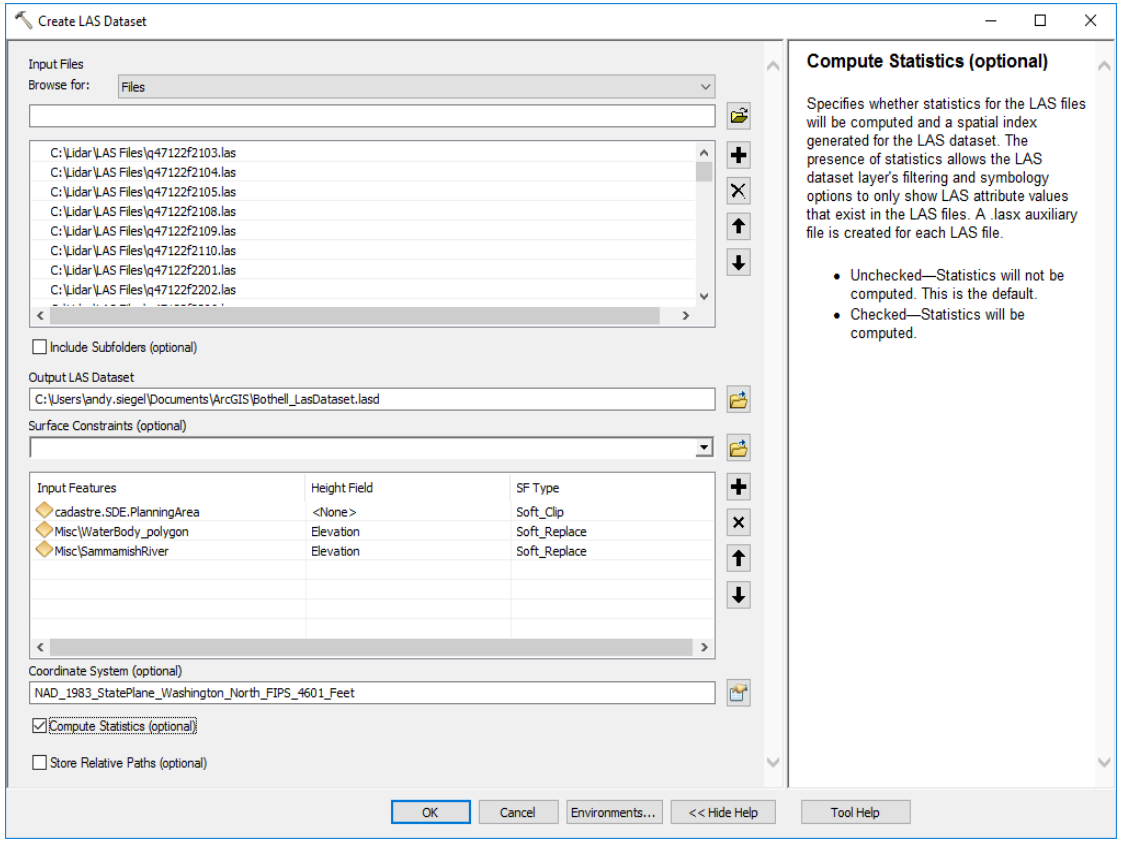
Hydro-flattening approach

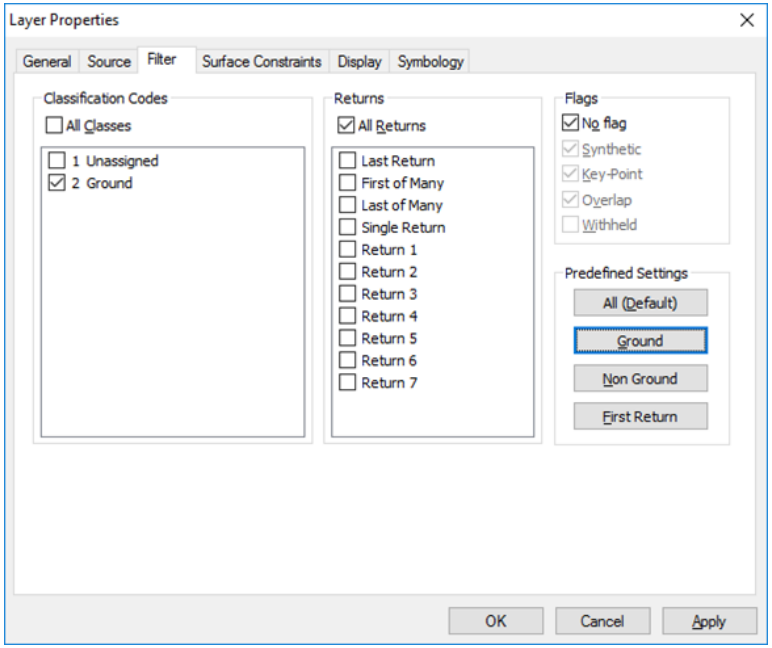




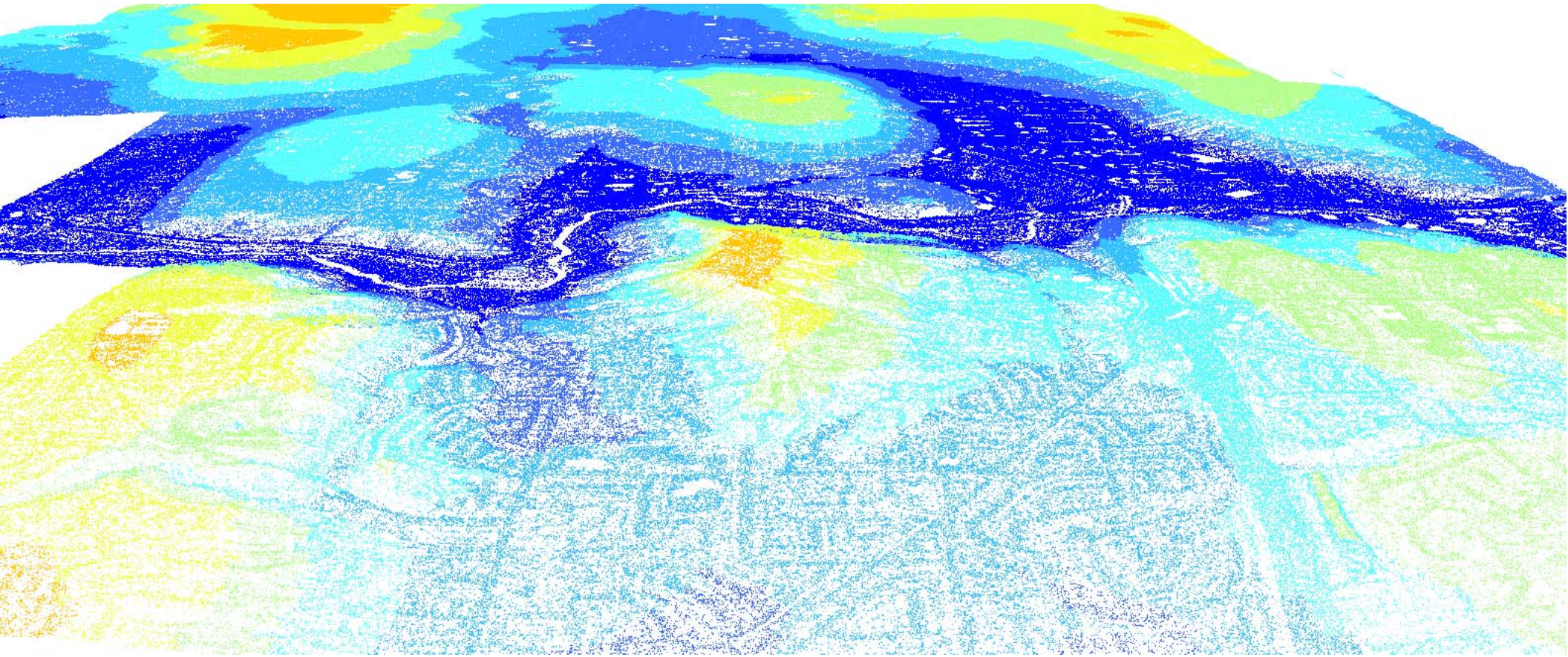


Create LAS Dataset (ground returns)

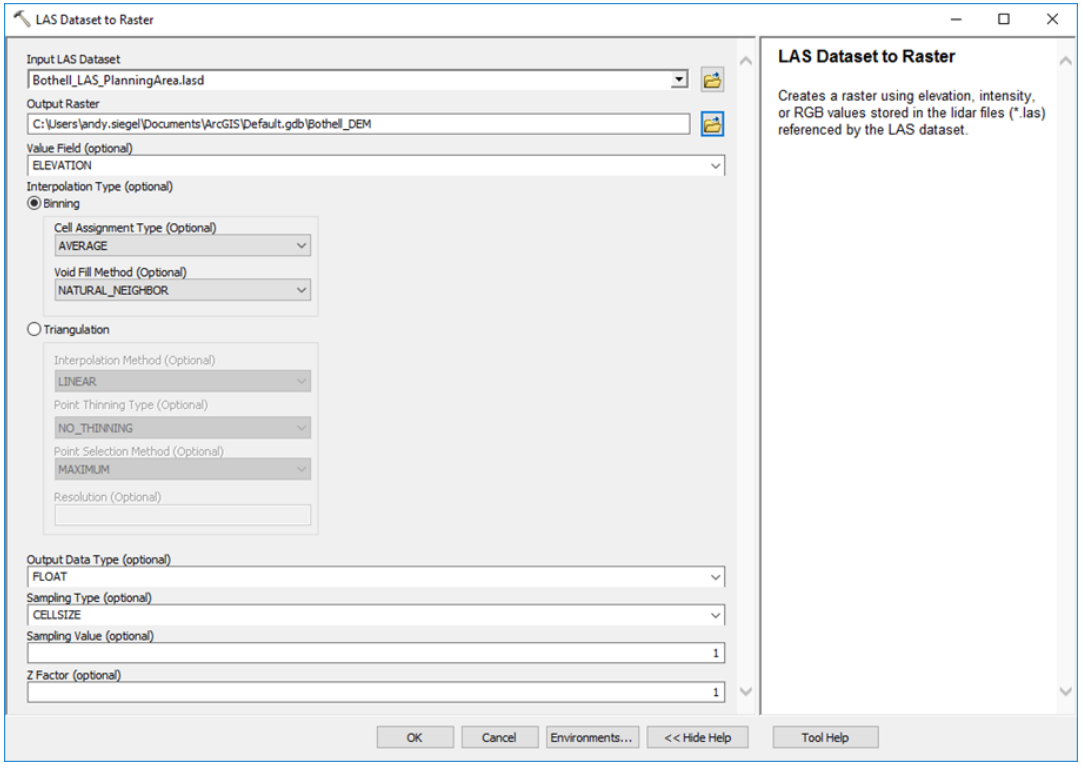


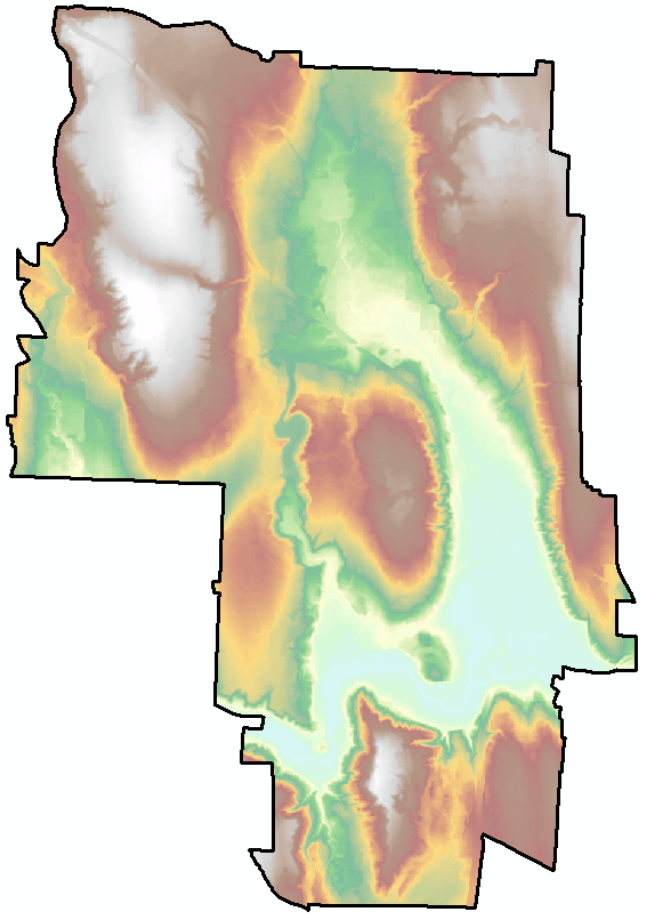


LAS Dataset point cloud (ground returns)

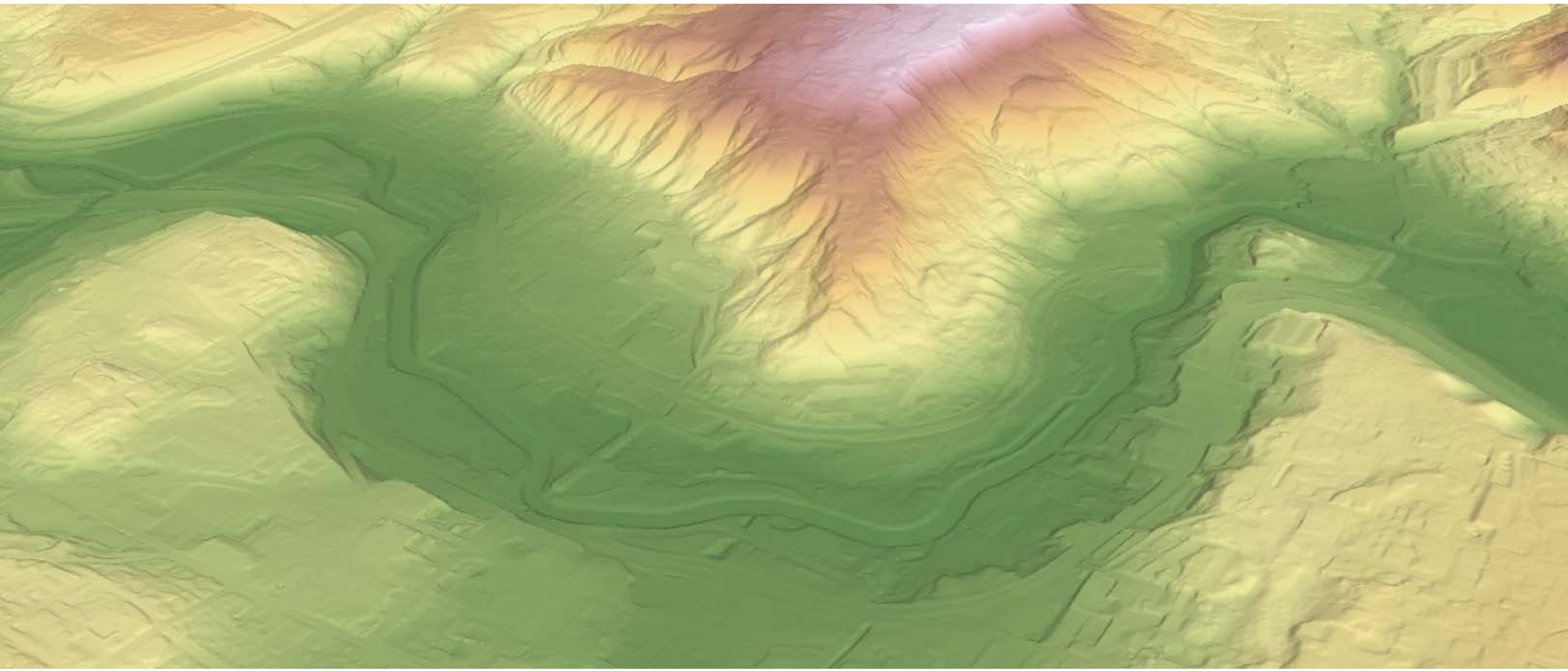


LAS Dataset to Raster

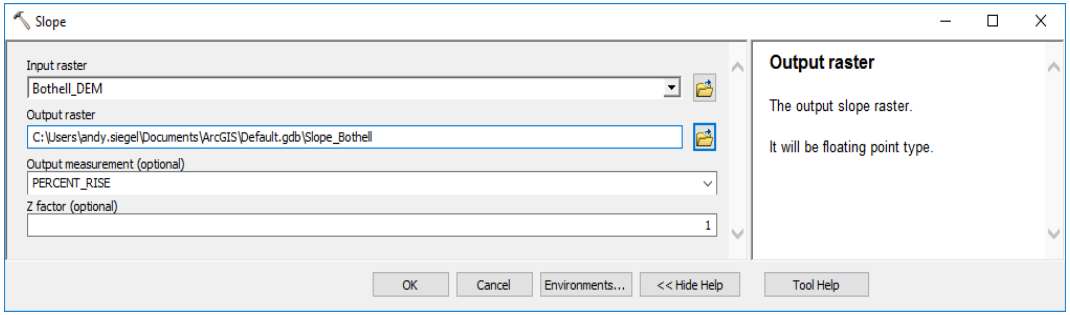


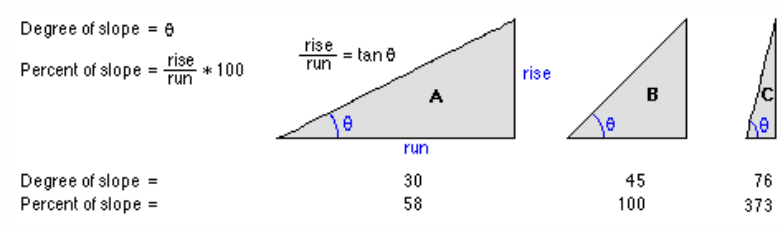


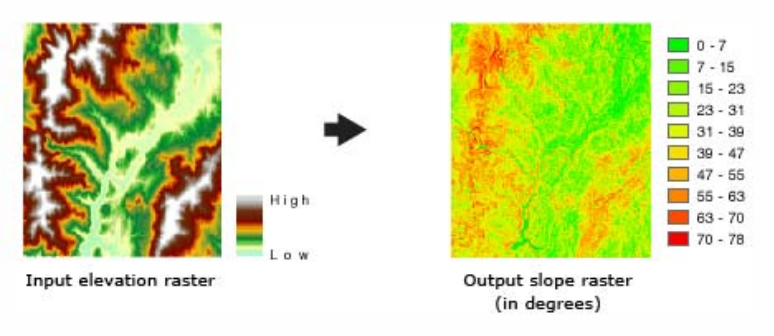
Digital Elevation Model (DEM)

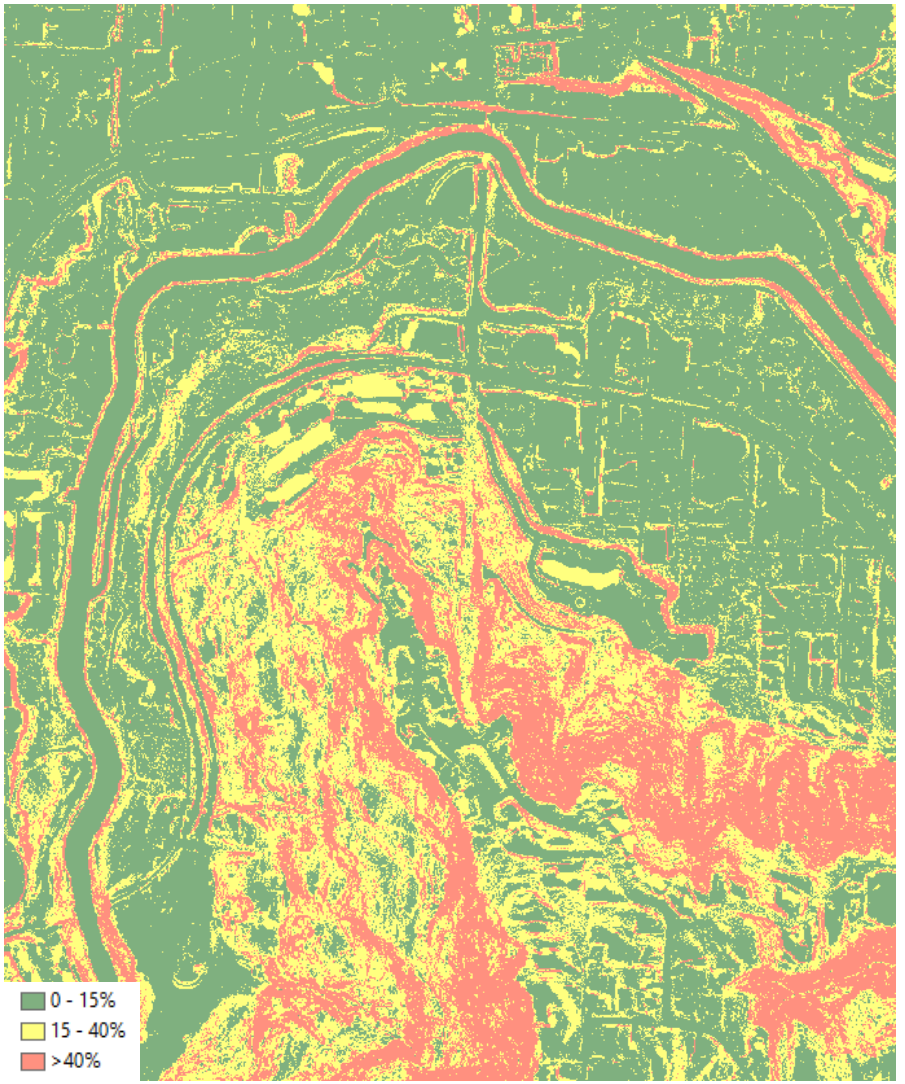


Slope (percent-rise)

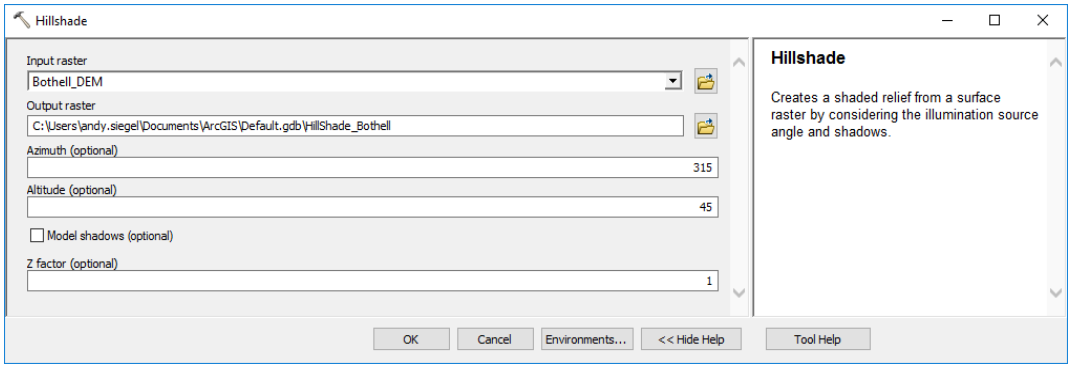


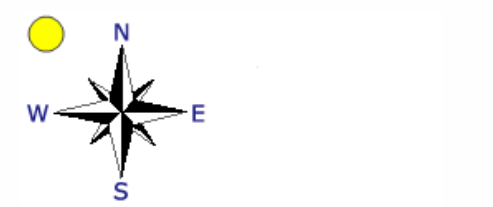




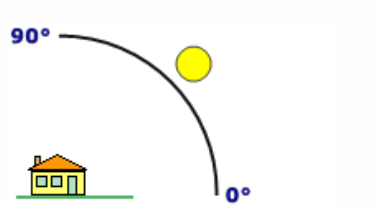


Hillshade

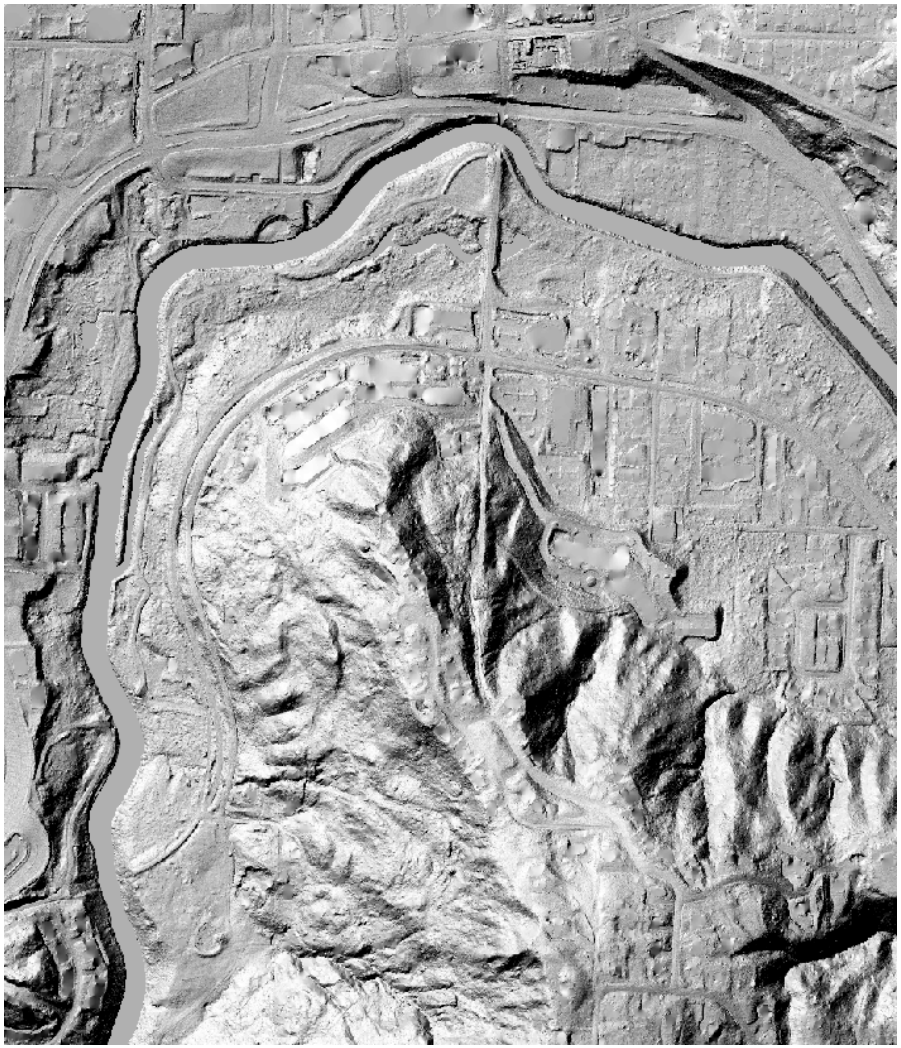




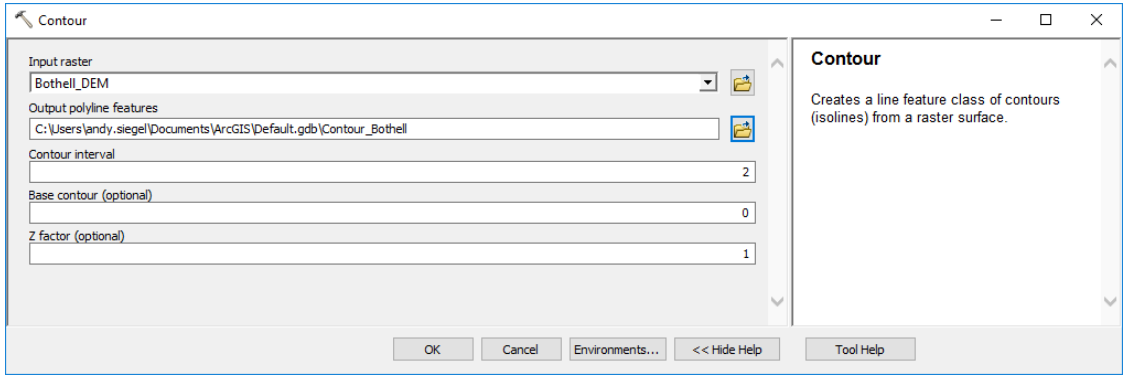
Default sun azimuth (direction) for hillshade is 315°

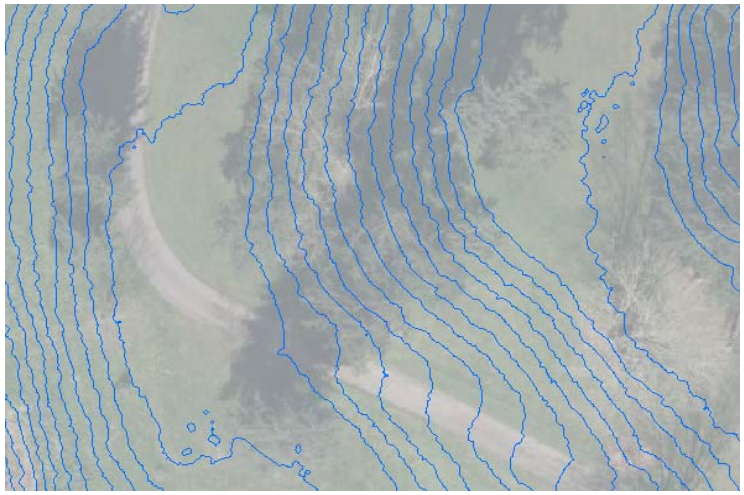


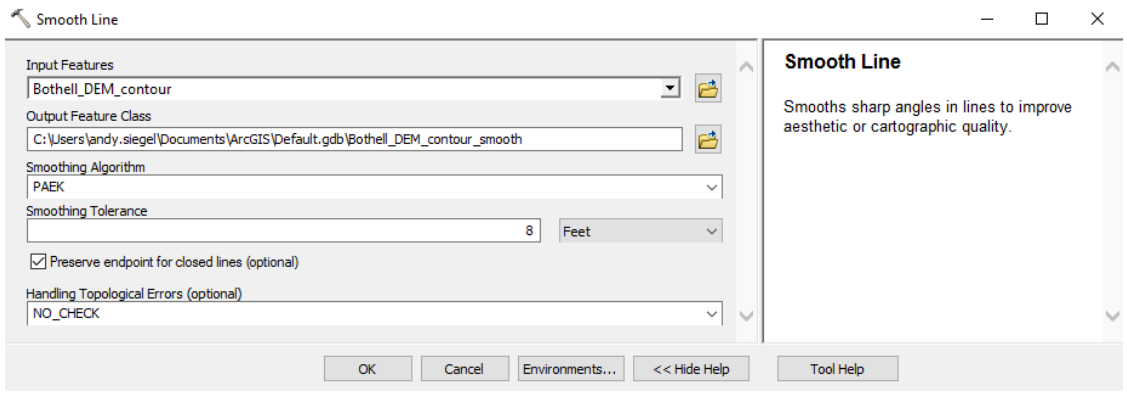
Default sun altitude for hillshade is 45°

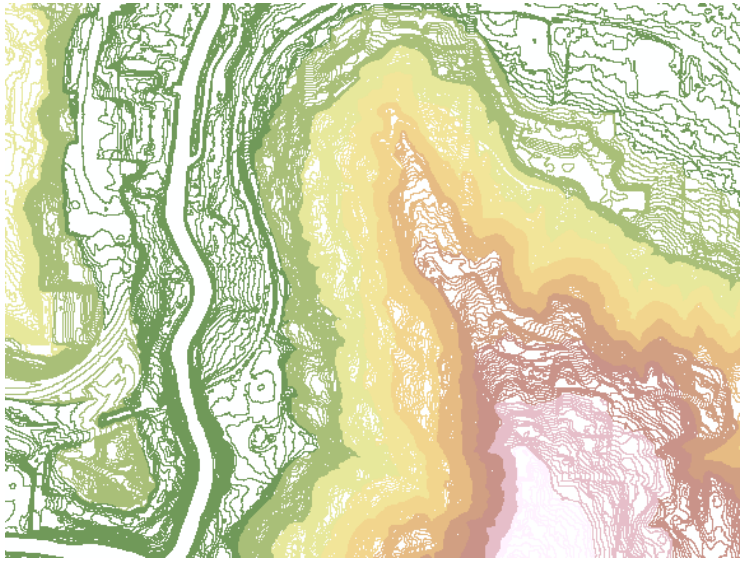


Contours (2-ft interval)

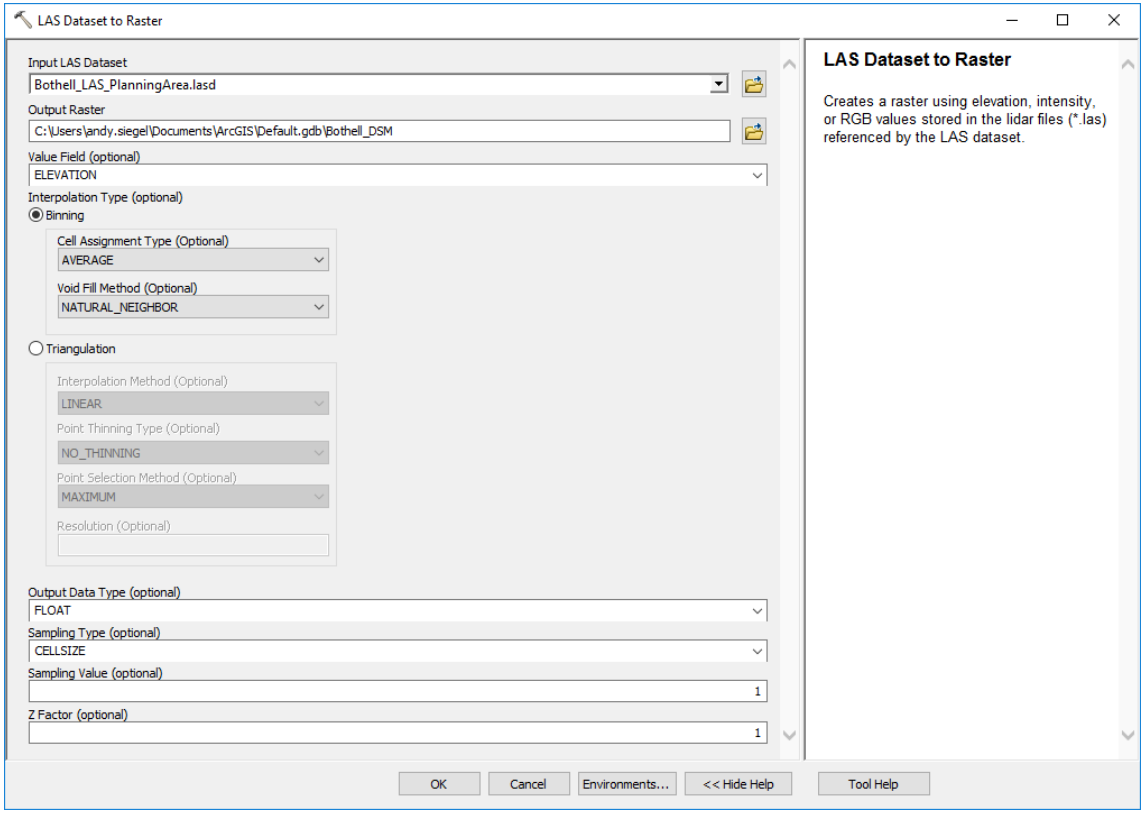


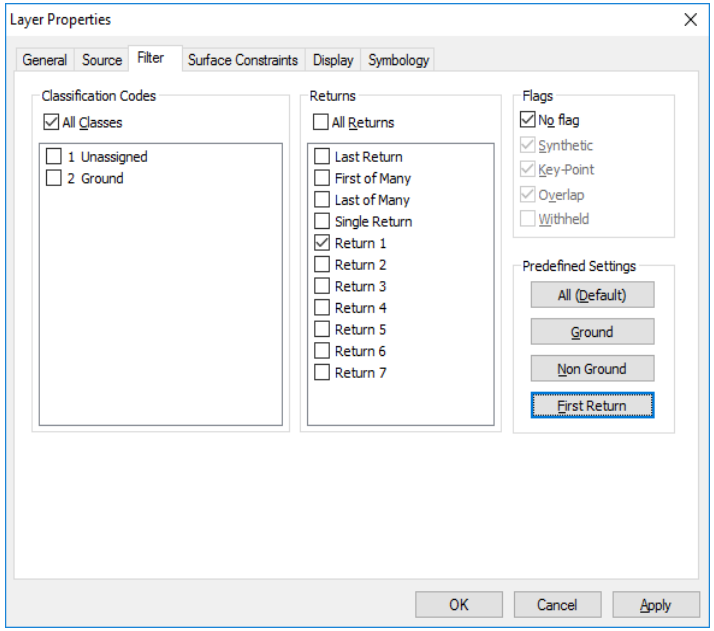




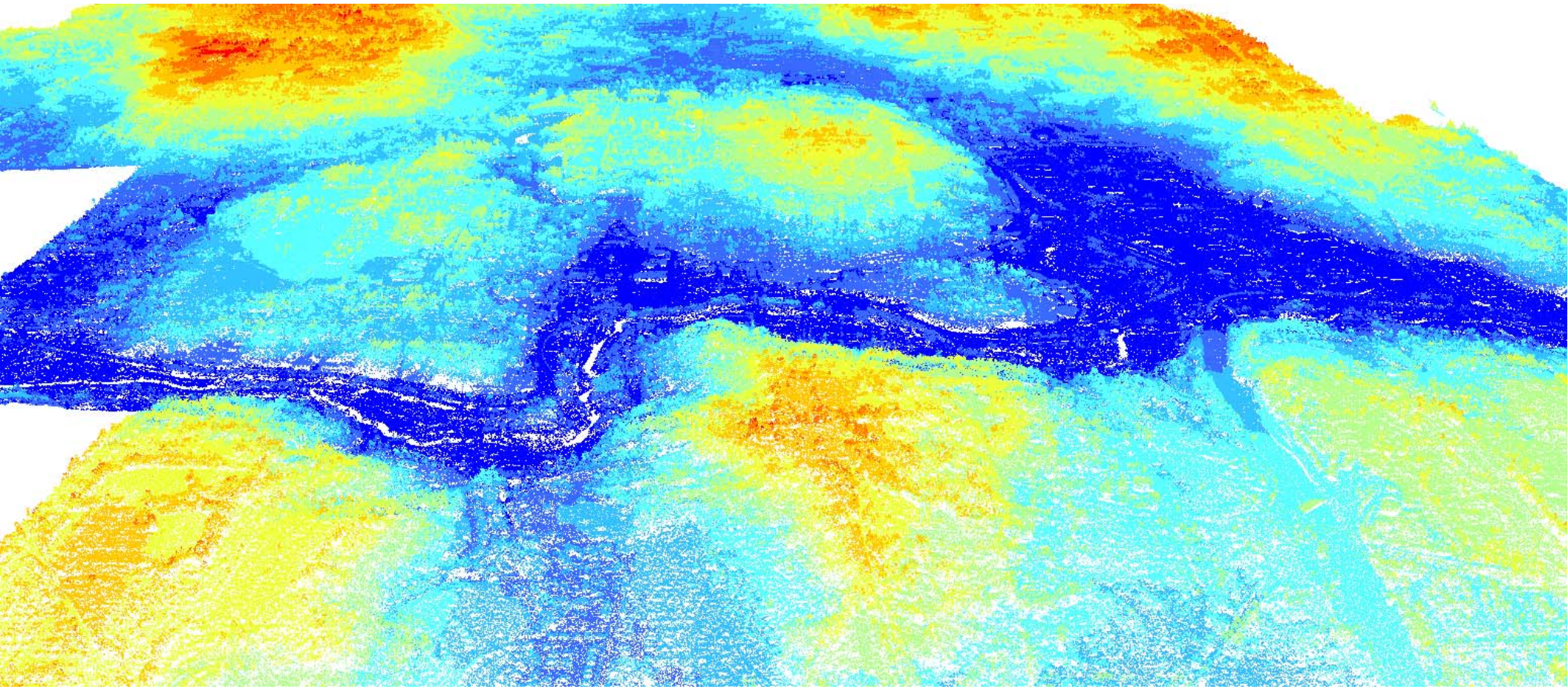


Create LAS Dataset (first returns)

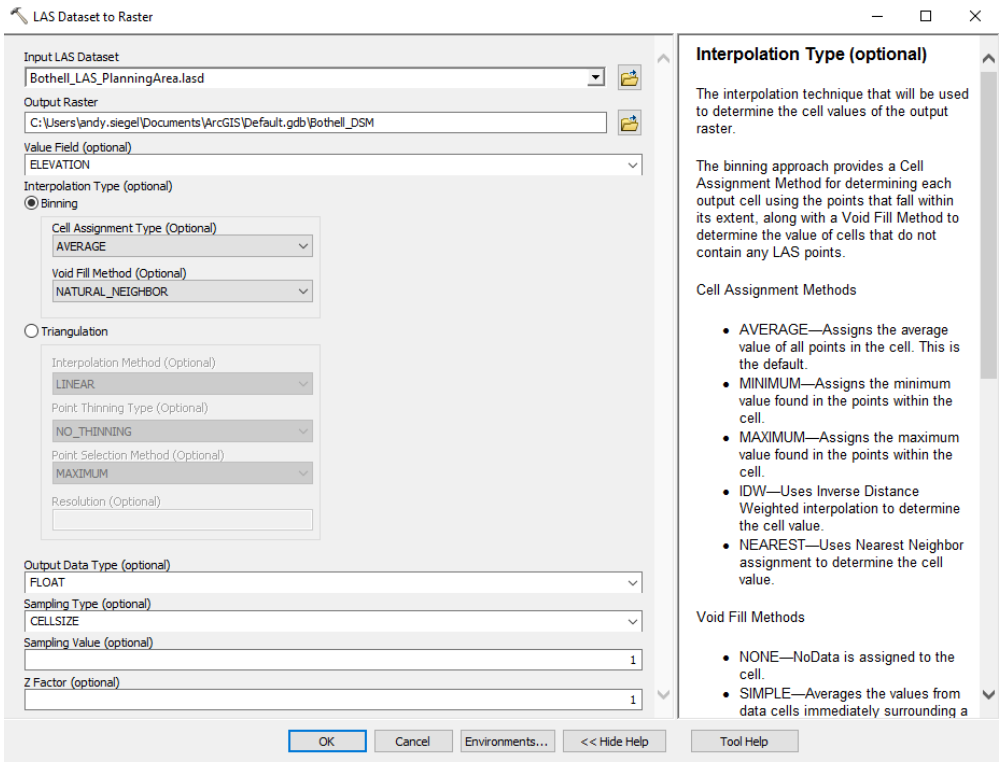


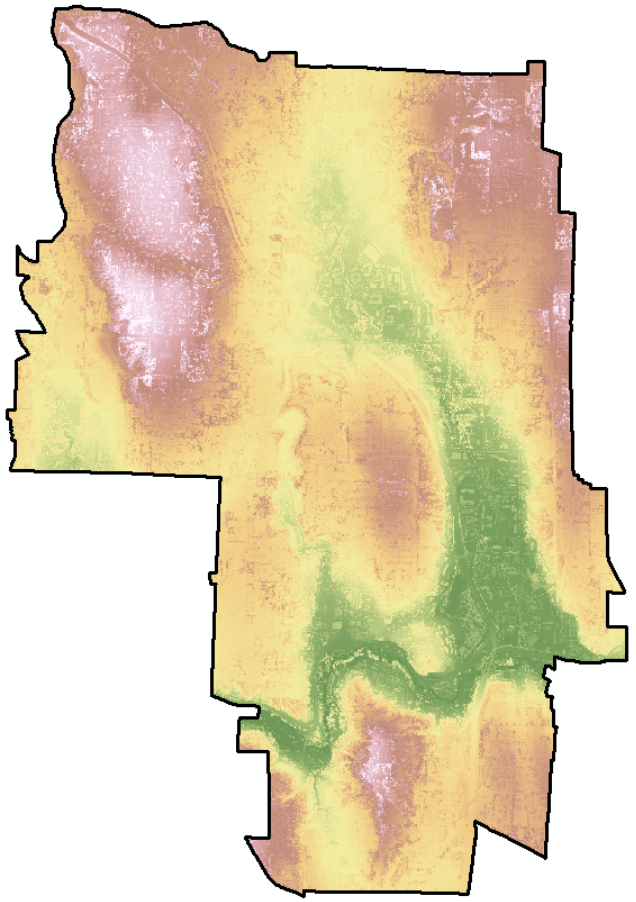


LAS Dataset point cloud (first returns)

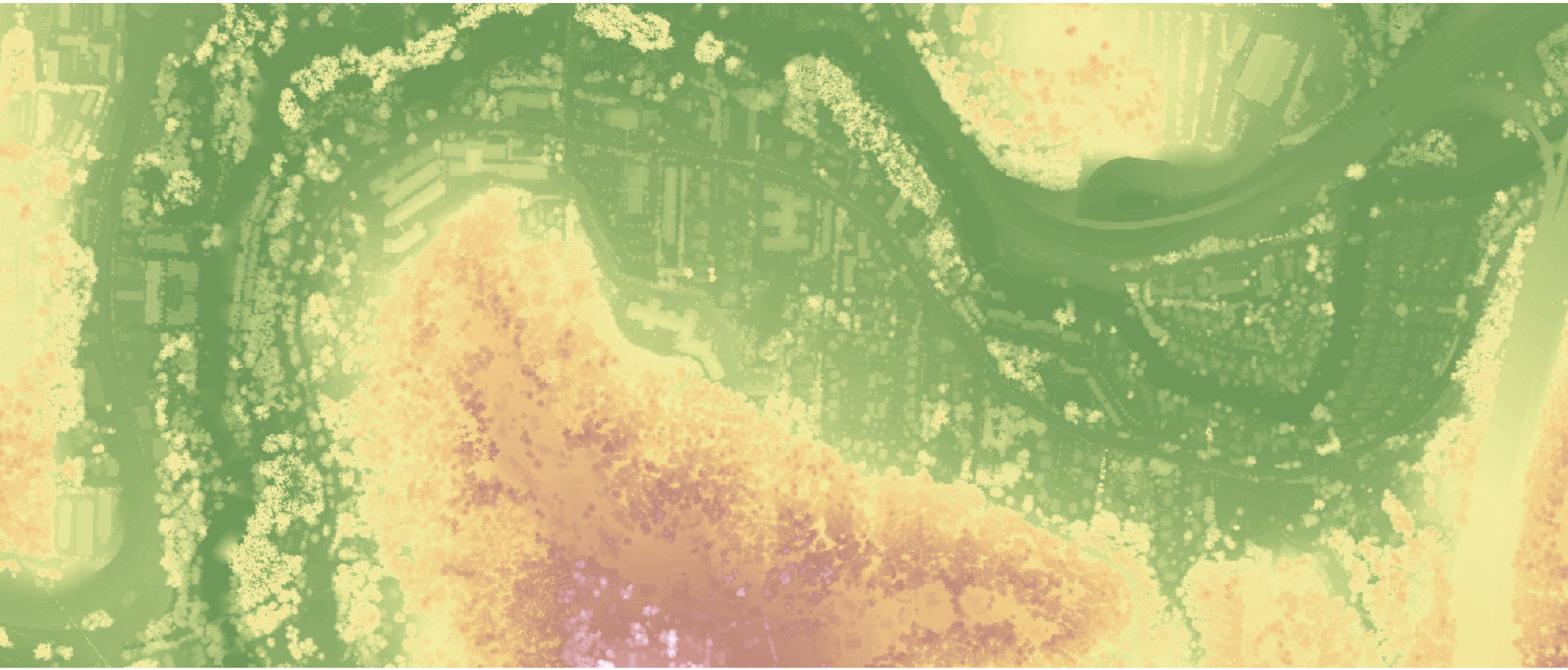


LAS Dataset to Raster

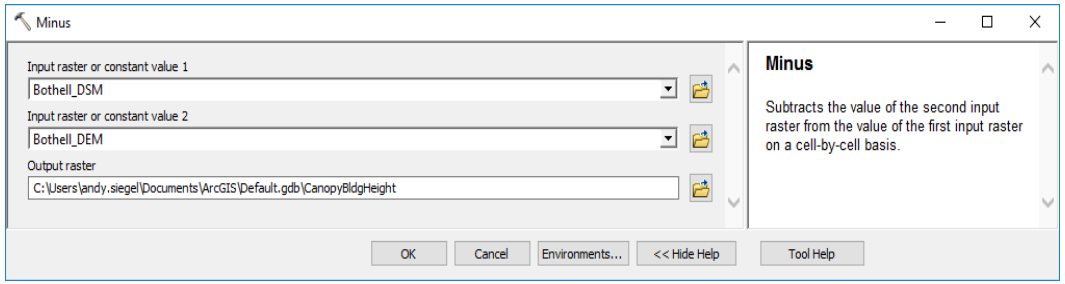


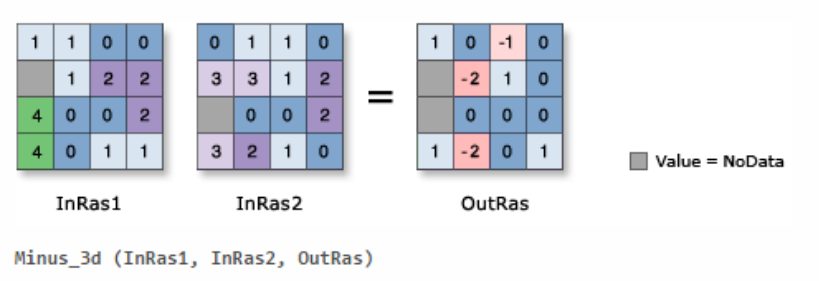


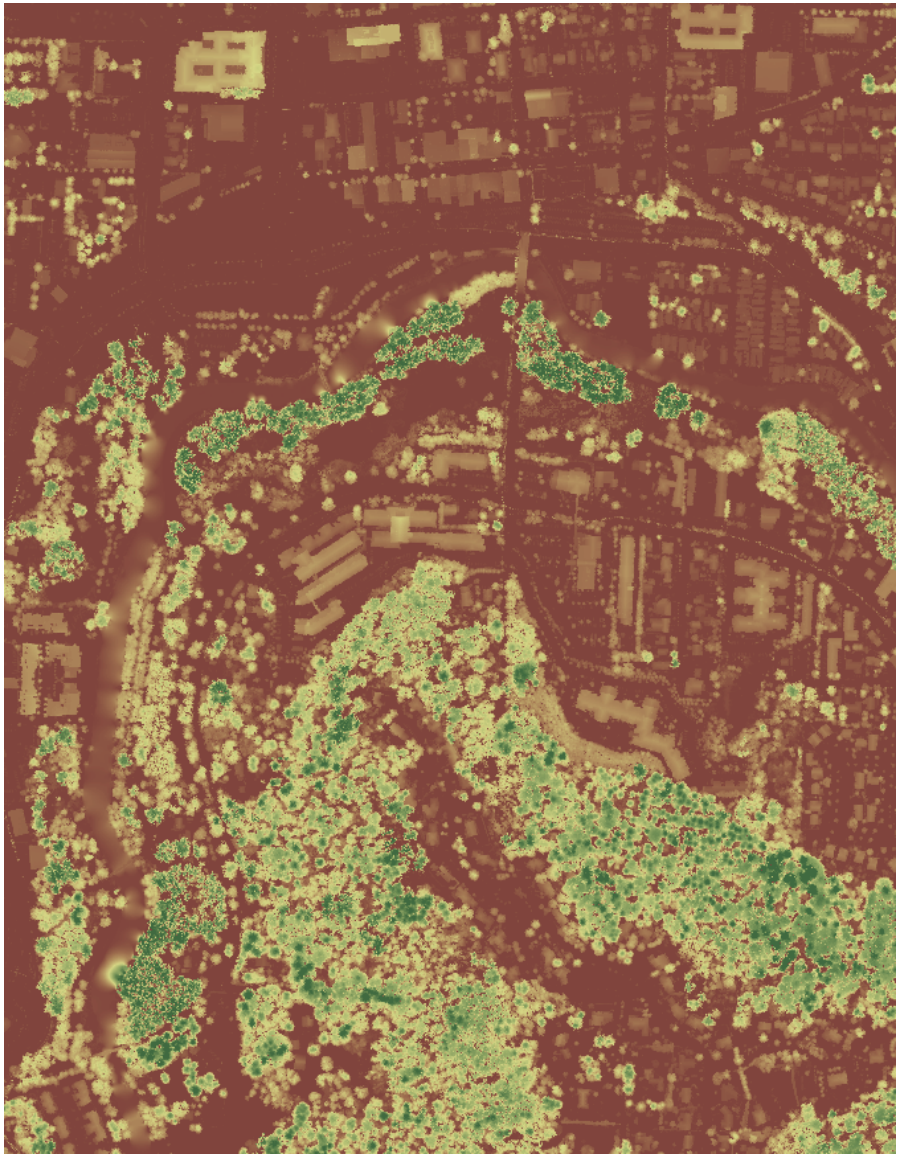
Digital Surface Model (DSM)



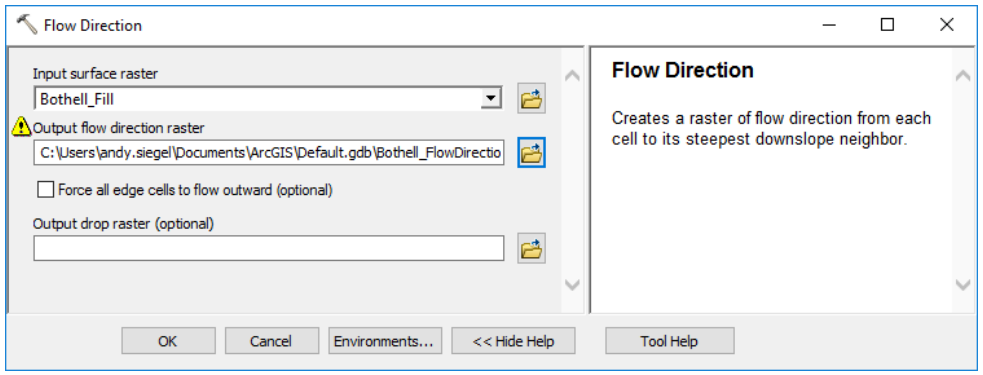
Canopy/Building Height

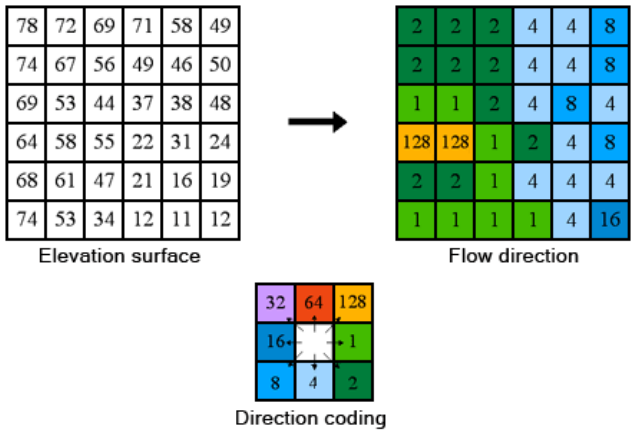


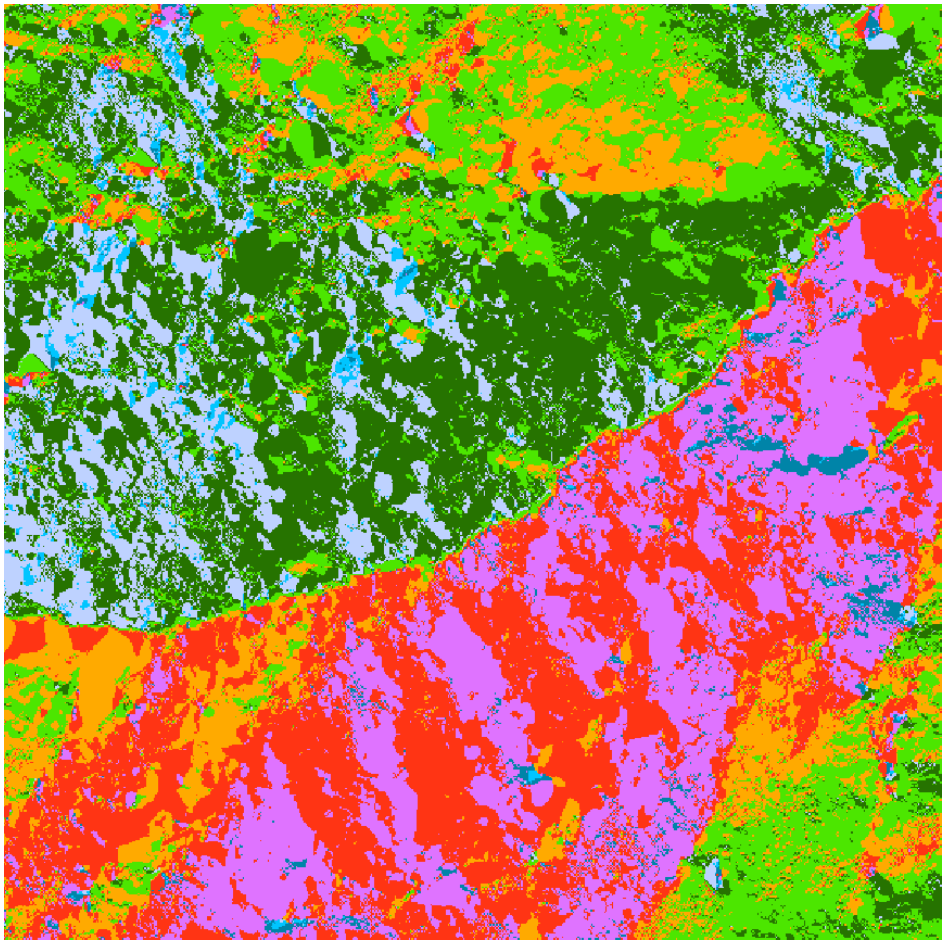




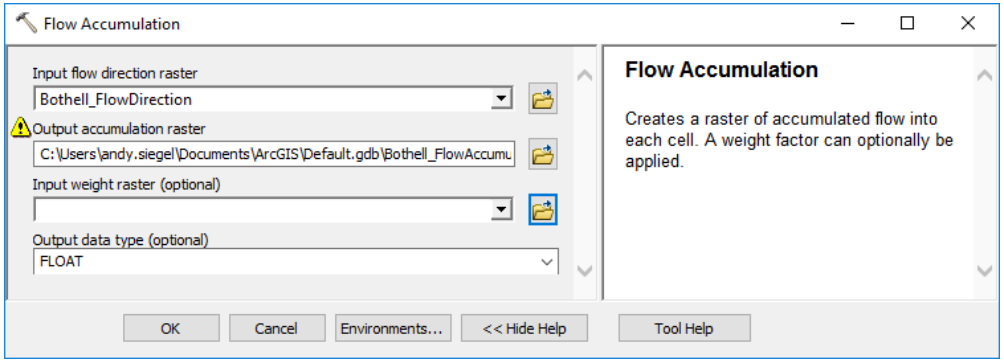
Hydro-corrections: Flow Direction

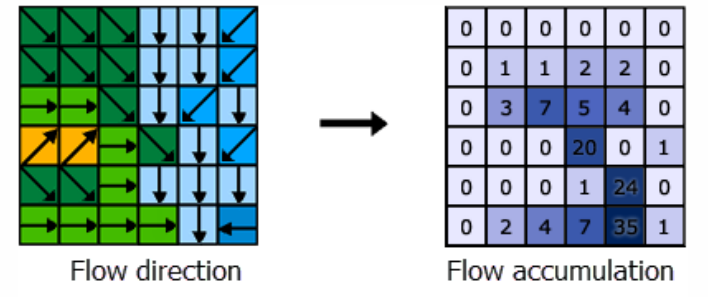


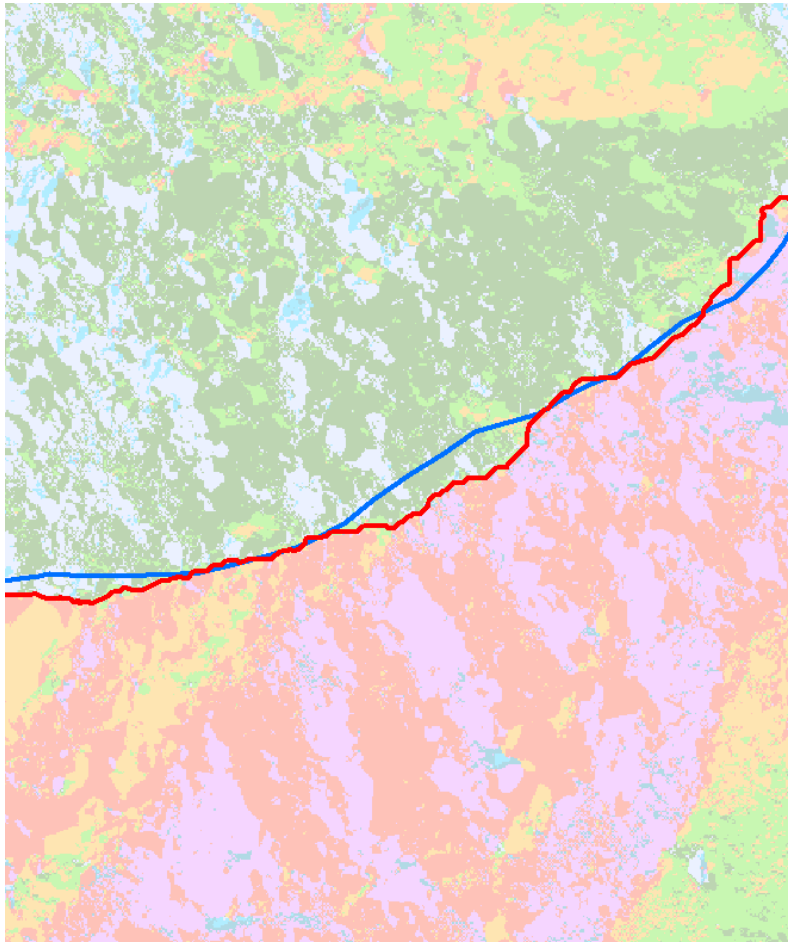




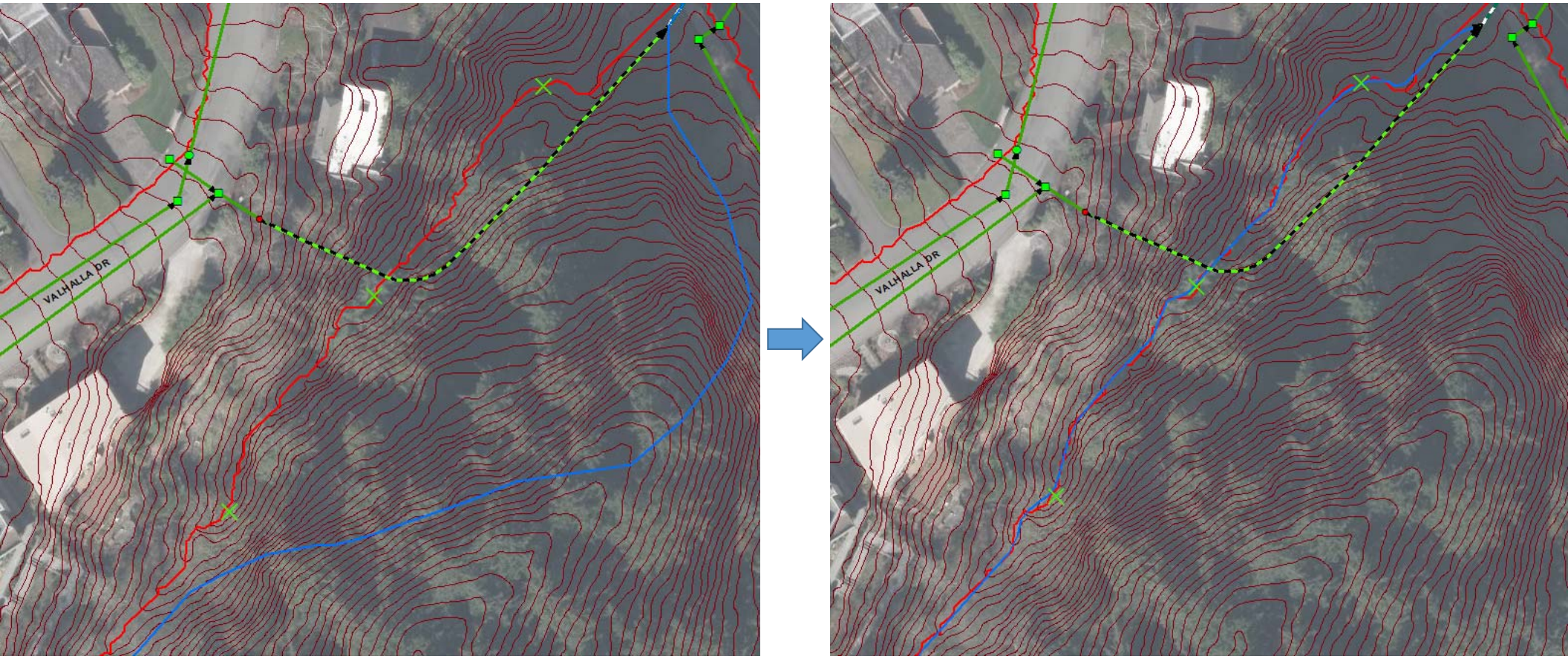
Hydro-corrections: Flow Accumulation



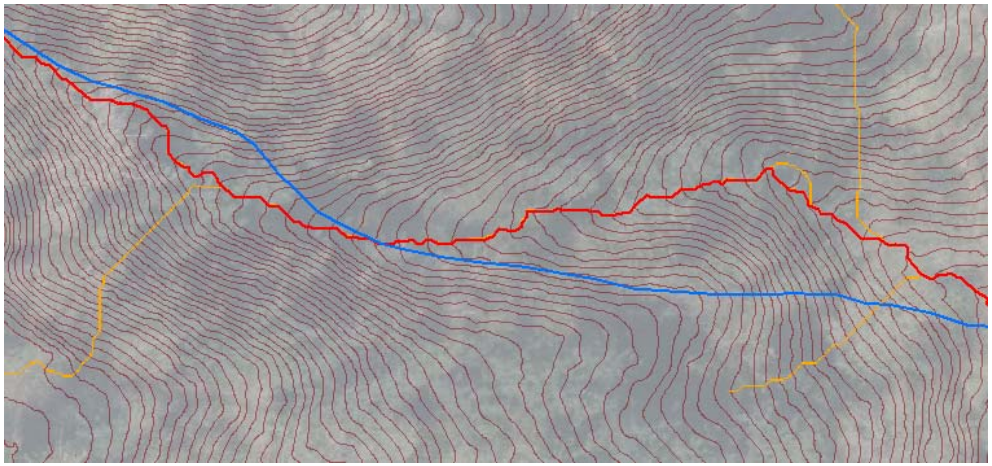


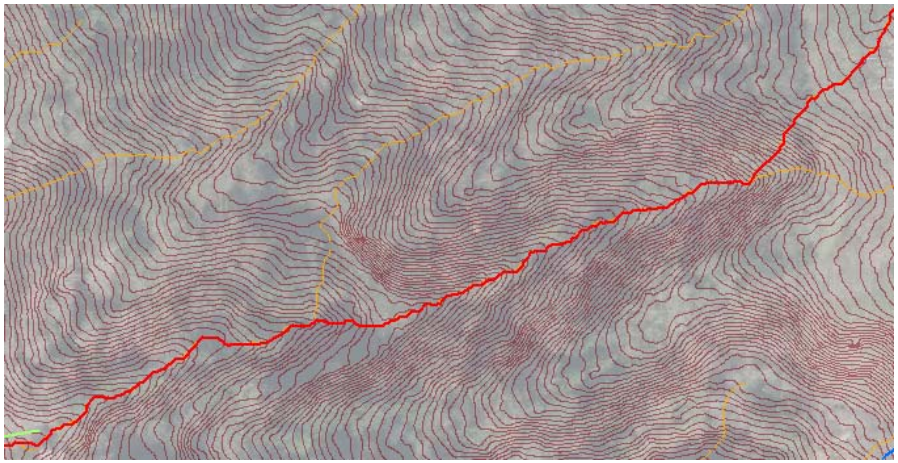


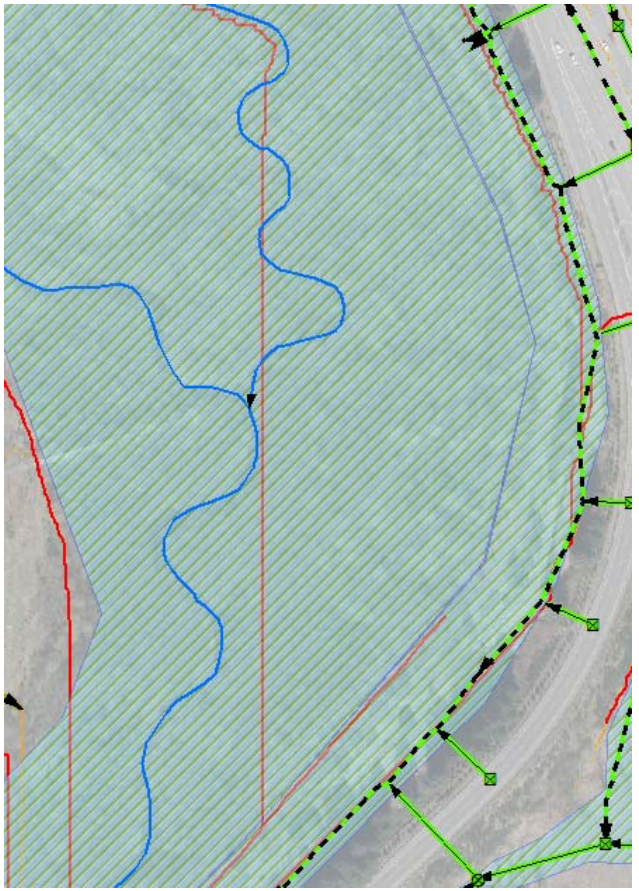
Case Study: Stream Hydro-corrections



Case Study: Stream Hydro-corrections







Questions?

Contact Info:
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Email: andy.siegel@bothellwa.gov
Phone: (425) 806-6182

City of Bothell™