

Appendix A

Potential Problem Tiles

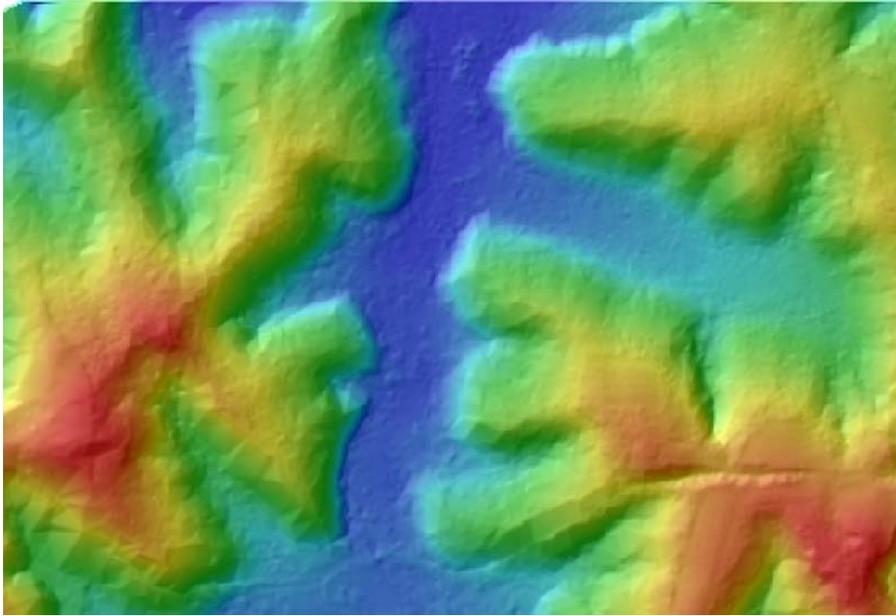


Figure 1 – AH12B61: Sparse data from aggressive editing.

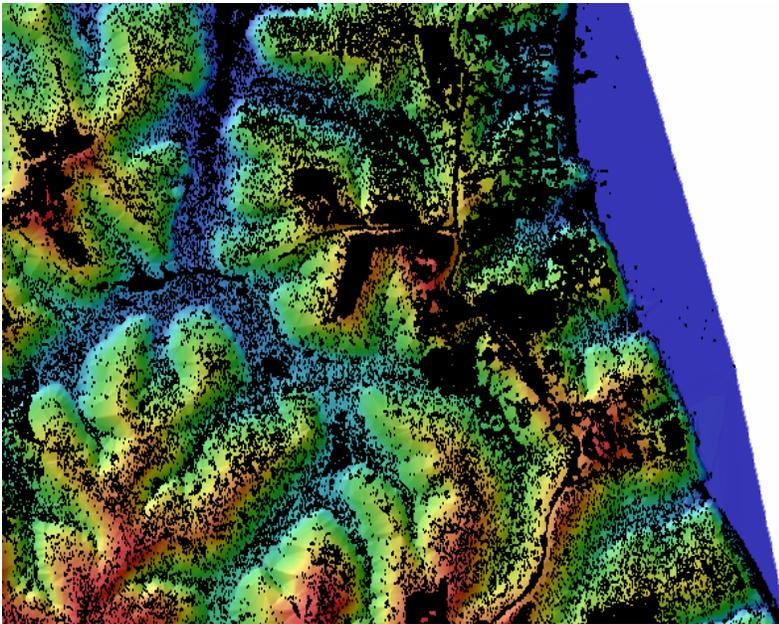


Figure 2 – AH12B61: Sparse data from aggressive editing. Image consists of points overlaid on DEM.

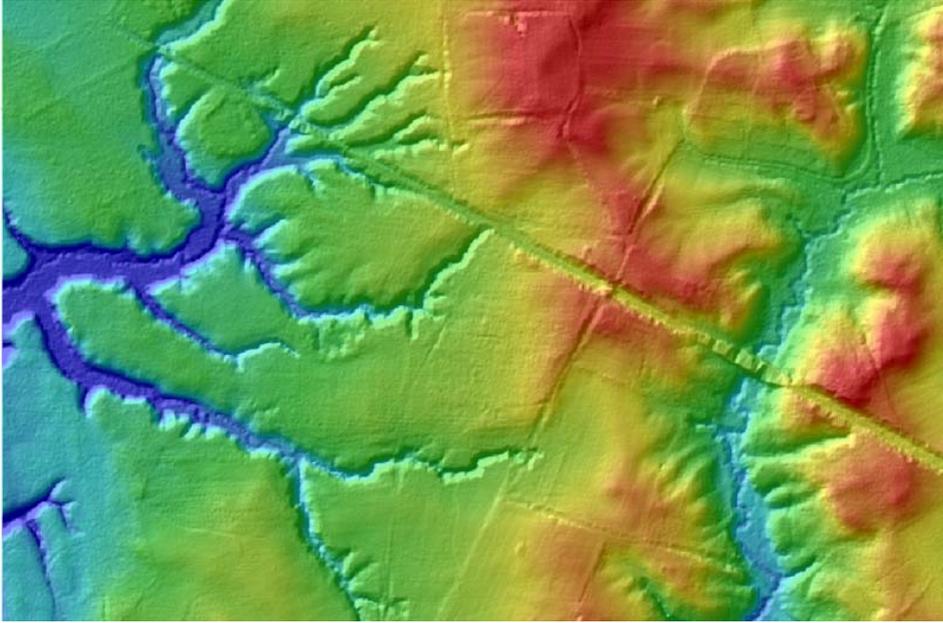


Figure 3 – AI119B61: Inconsistent bridge editing.

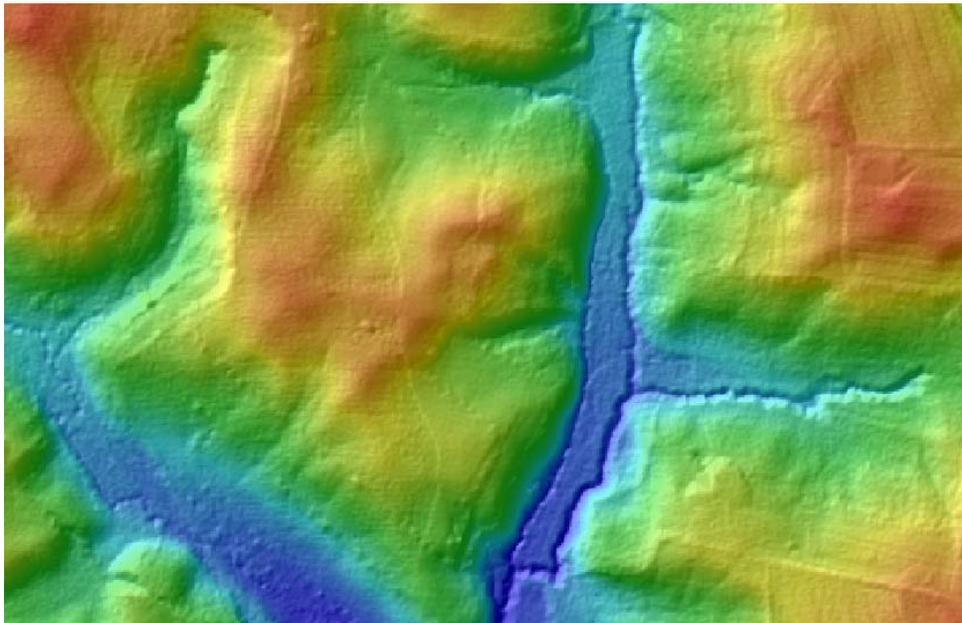


Figure 4 - AI121B31: Scan line issue (middle of image).

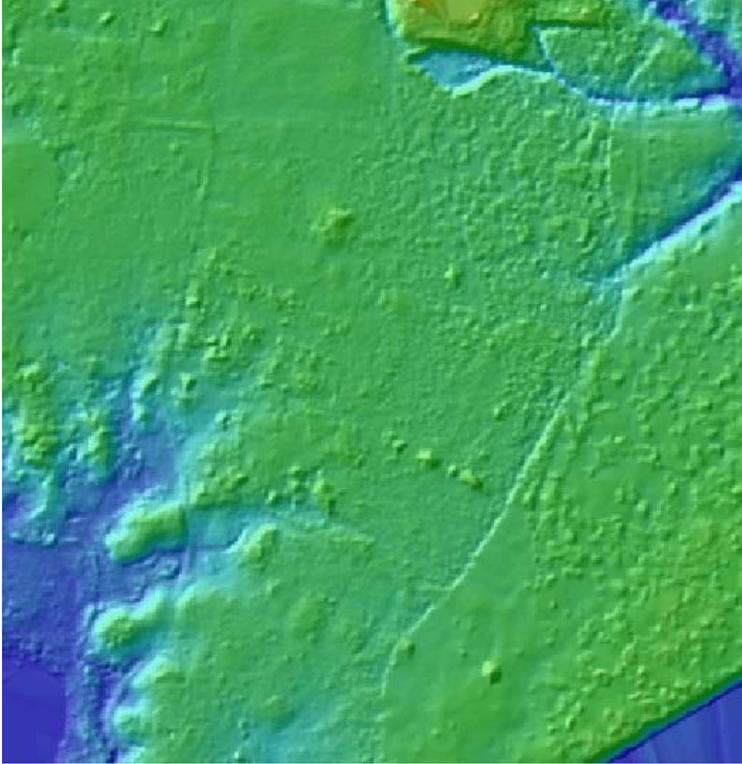


Figure 5 – AI122B61: Noisy data (potential artifacts) and scan line issue.

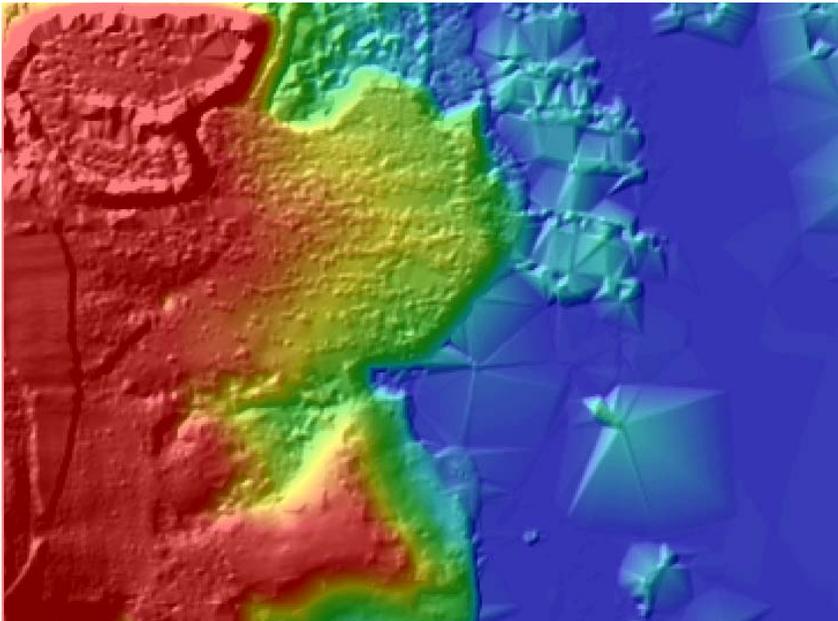


Figure 6 – AI122B61: Noisy data and scan line issue.

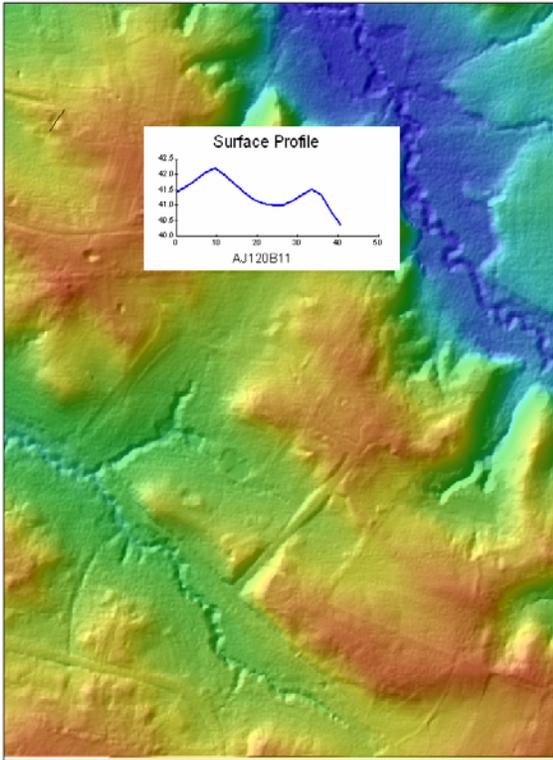


Figure 7- AJ120B11: Small divots. Divots are small depressions. This may or may not be legitimate, ground truthing would be required.

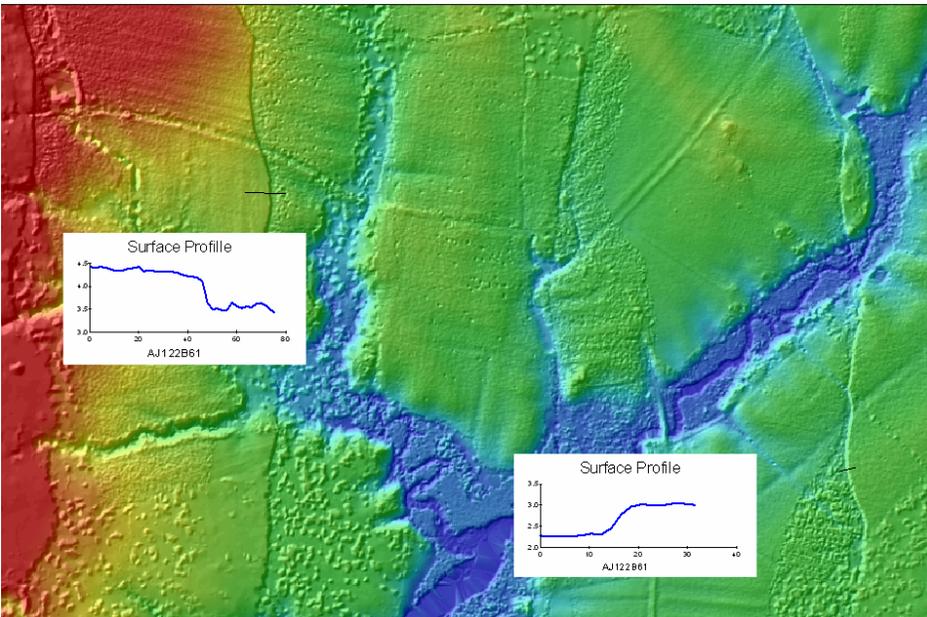


Figure 8 – AJ122B61 Scan line issues and potential excessive artifacts.

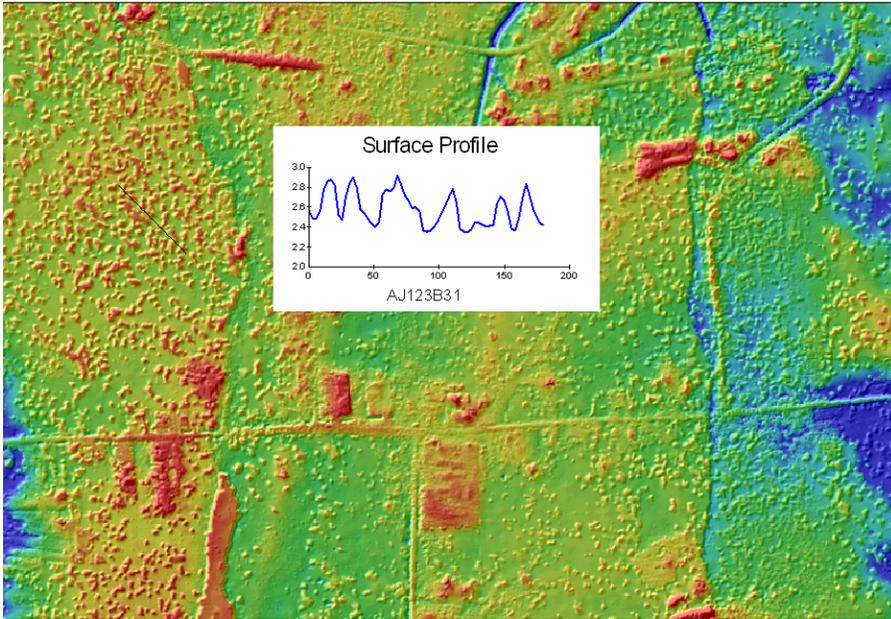


Figure 9 – AJ123B31: Scan line issue and excessive artifacts (see explanation in Qualitative analysis)

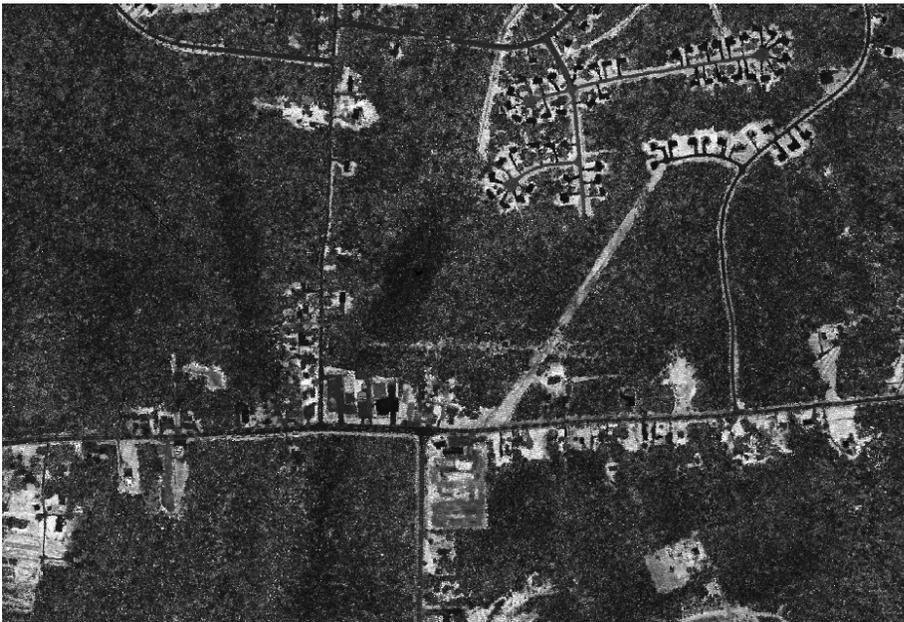


Figure 10 – AJ123B31: Intensity image illustrating heavy vegetation.

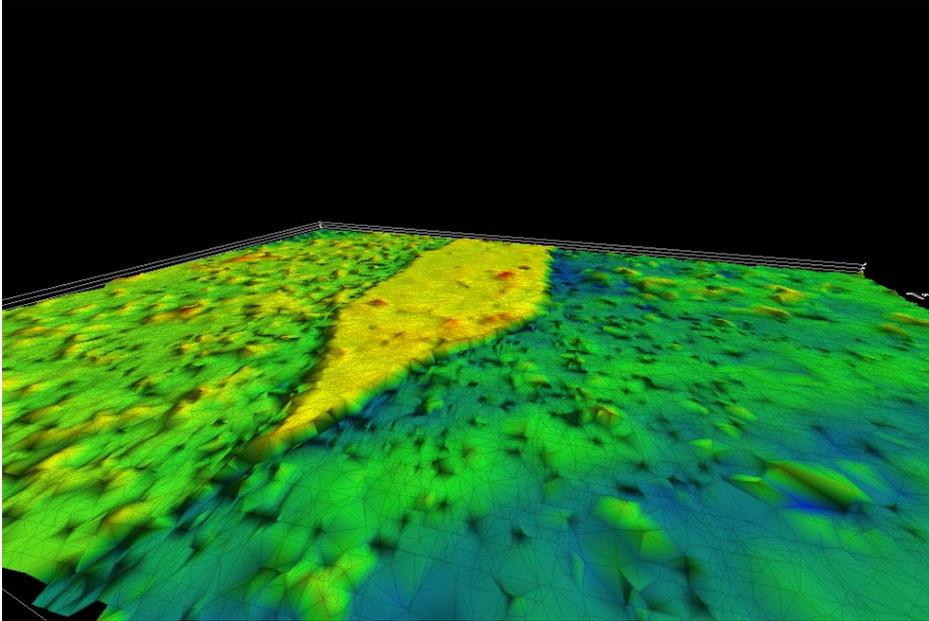


Figure 11 – AJ123B51: 3D view with TIN overlaid.



Figure 1213 – AJ123B51: Intensity image. Note slightly different intensity values on the left side of image illustrating the change in elevation.

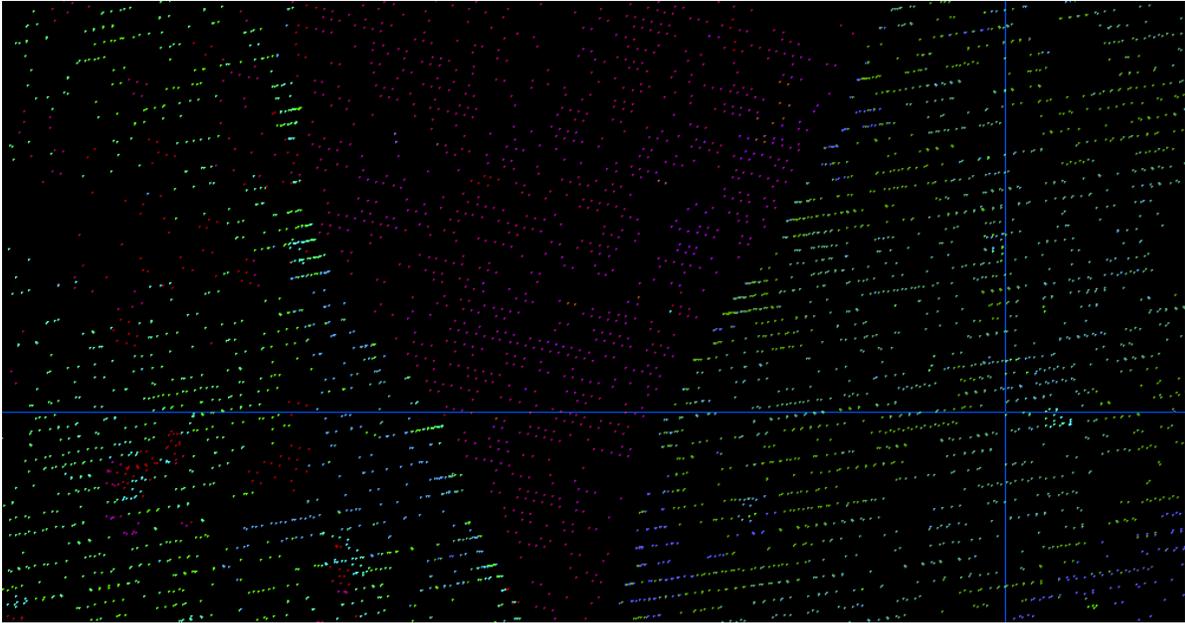


Figure 14 – AJ123B51: Data consists of three merged scan lines. Elevations are color coded and clearly identify the change in elevation between each line.

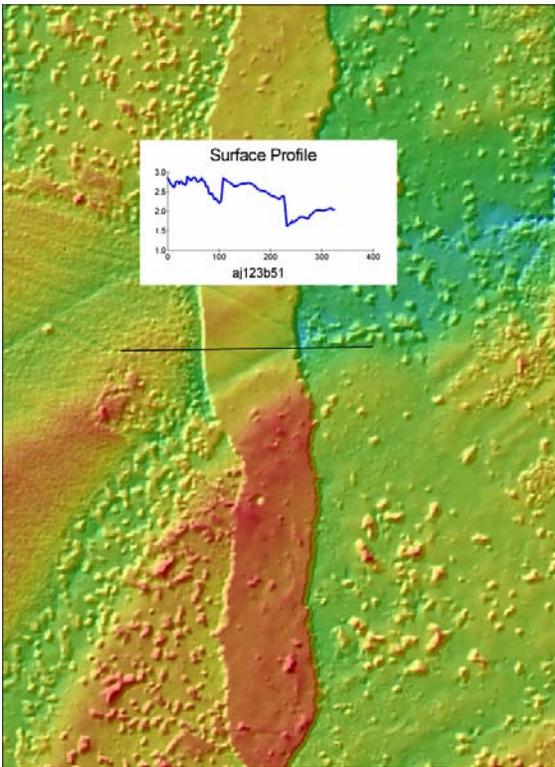


Figure 15 – Scan line issue and potential artifacts. A surface profile of the black line across the area in question illustrates the change in elevation of the three scans.

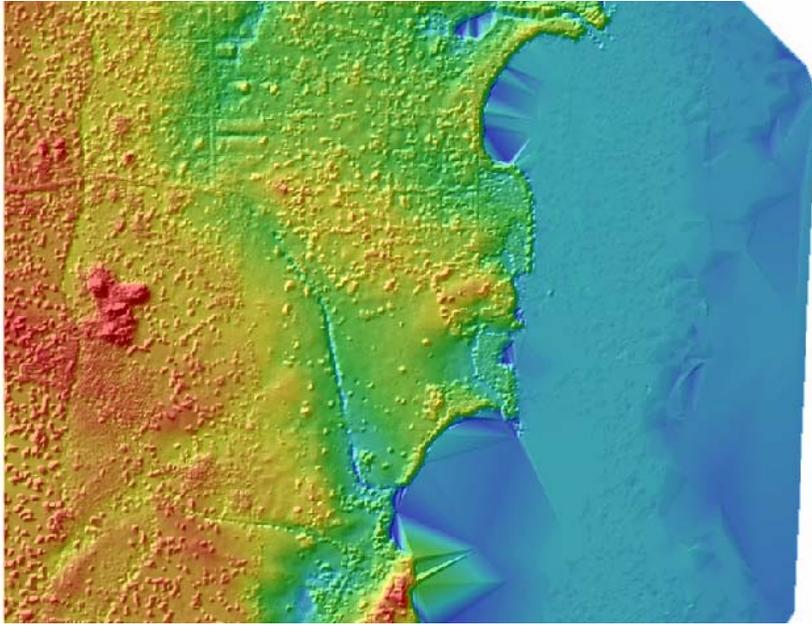


Figure 16 – AJ124B41: Noisy data, potential excessive artifacts.

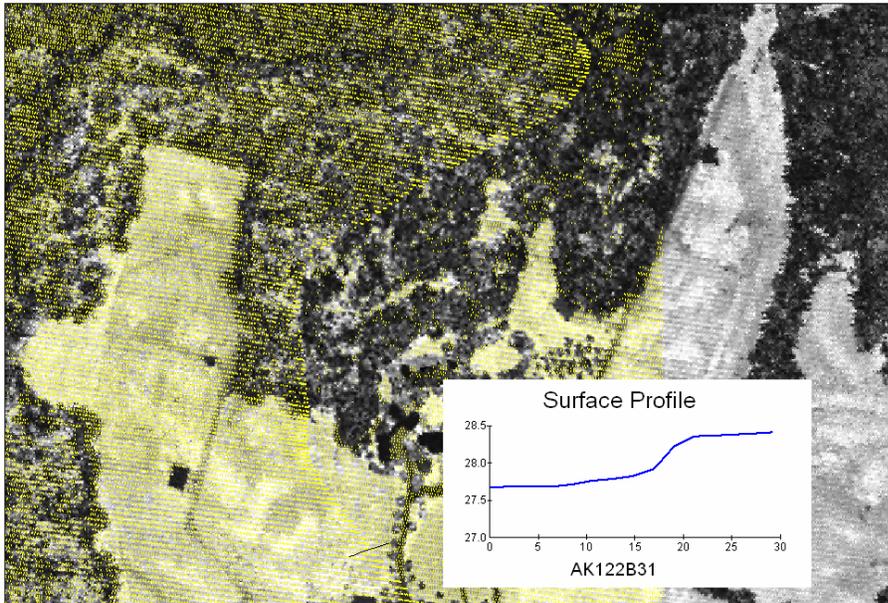


Figure 17 – AK122B31: Scan line issue with associated cross section graph. Points are overlaid on top of intensity image. Note the different density of points in the forest area on the right side of the image.

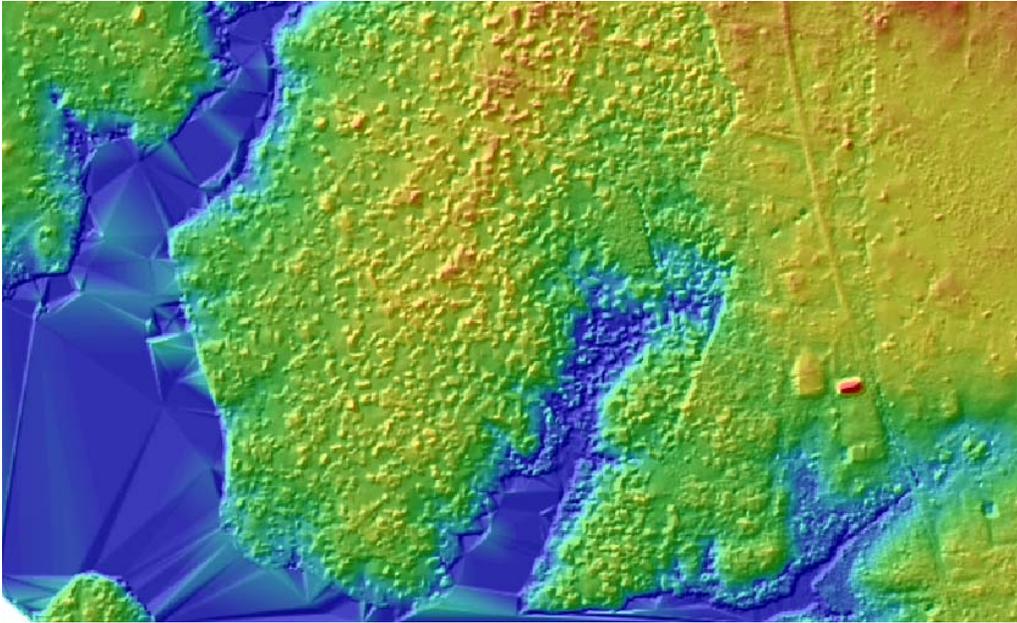


Figure 18 – AK123B61: Potential artifacts and scan line issue. See next figure for surface type correlation.



Figure 19 – AK123B61: Intensity image of urban area with forested area on right side.

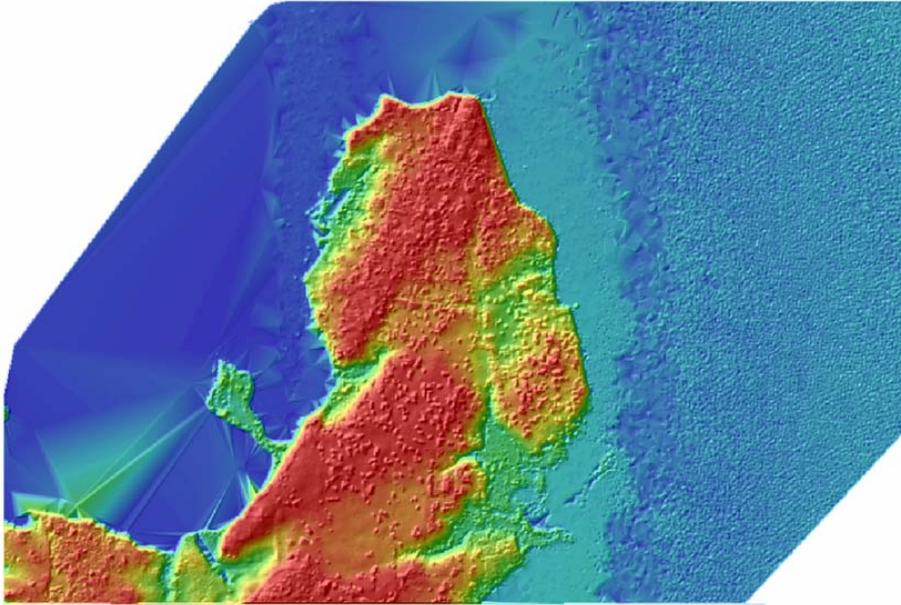


Figure 20 – AK124B341: Potential artifacts.

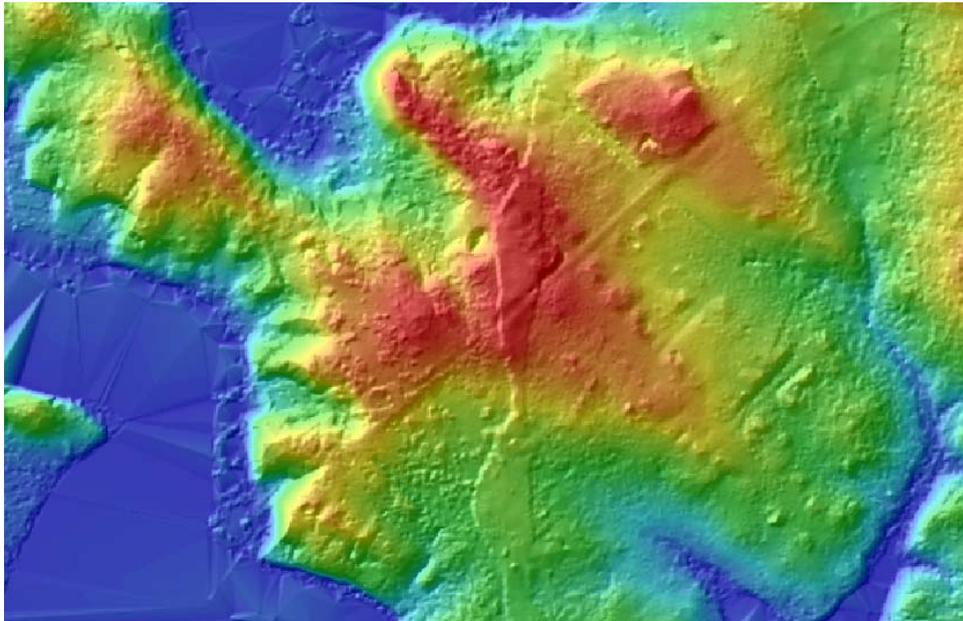


Figure 21 – AL123B21: Scan line issue and noisy data.

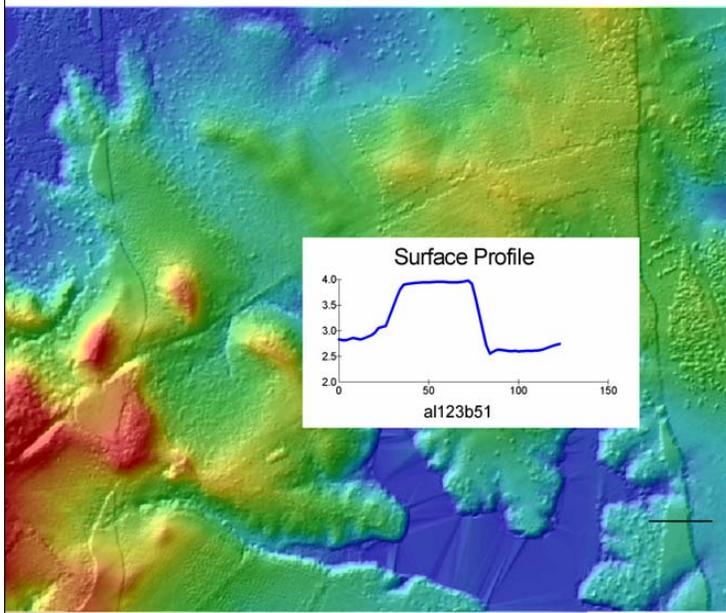


Figure 22 – AL123B51: Scan line issue and noisy data and associated cross section.

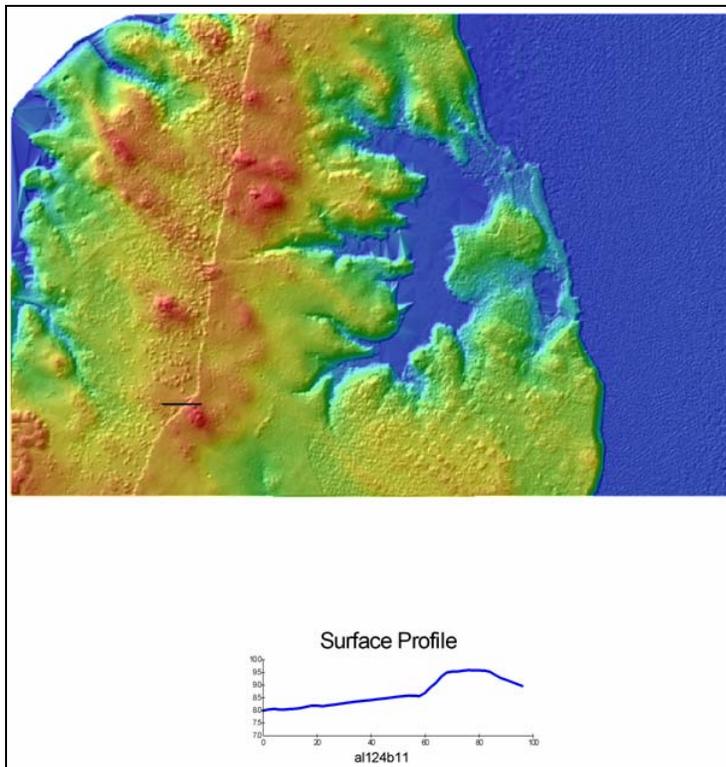


Figure 23 – AL124B11: Scan line issue with excessive noise and associated cross section.

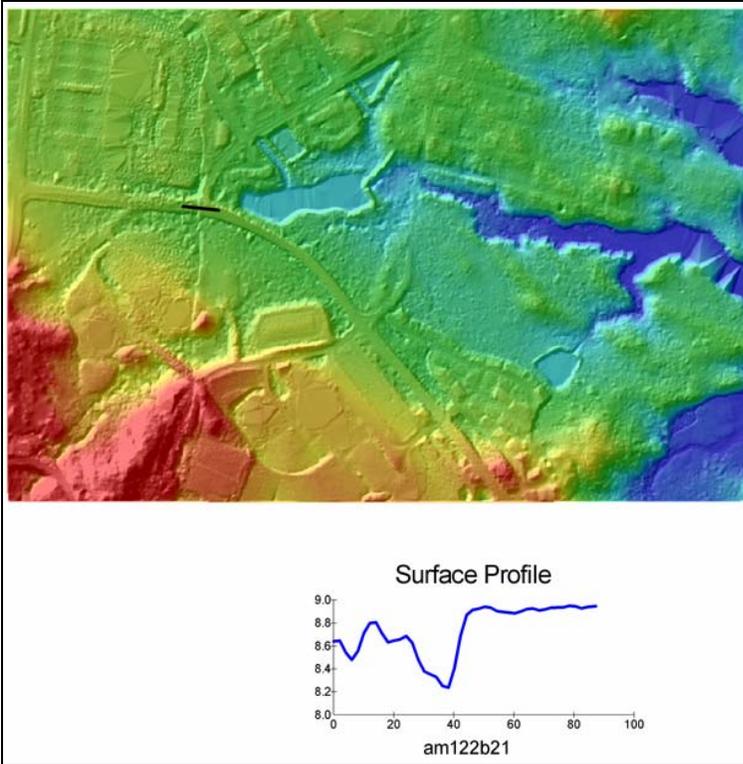


Figure 24 – AM122B21: Scan line issue with excessive noise and associated cross section.

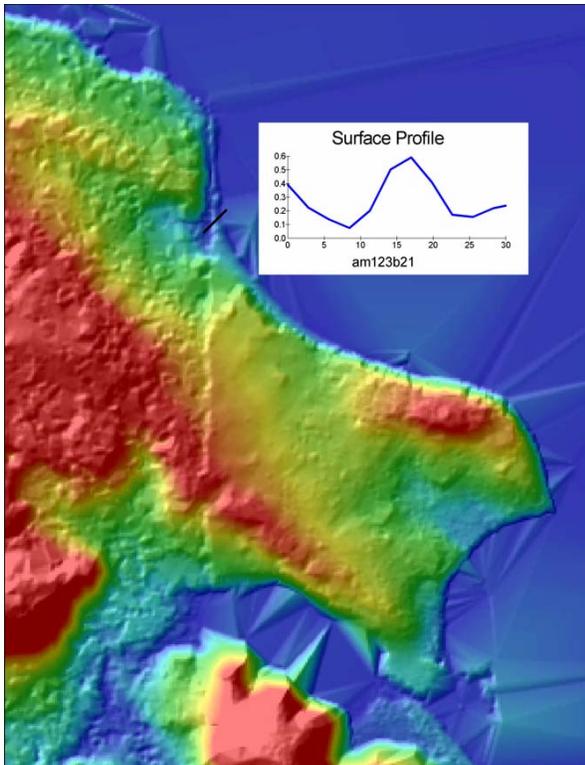


Figure 25 – AM123B21: Scan line issue with excessive noise and associated cross section.

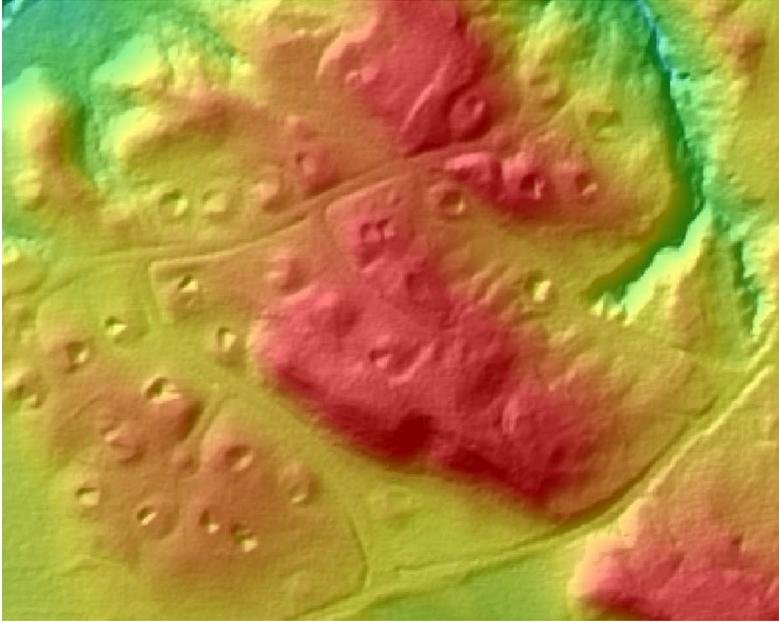


Figure 26 – AO120B61: Divots around structures. These may be legitimate as some structures in neighboring counties proved to have external staircases leading down to a basement. This is not confirmed with this tile.

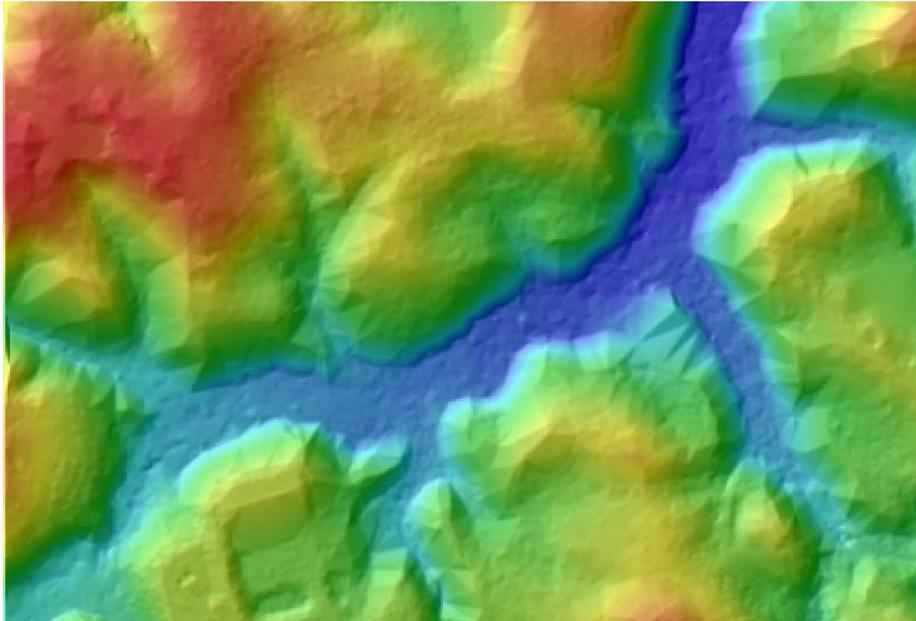


Figure 27 – AP123B51: Aggressive editing in heavy vegetations and areas of high slope.

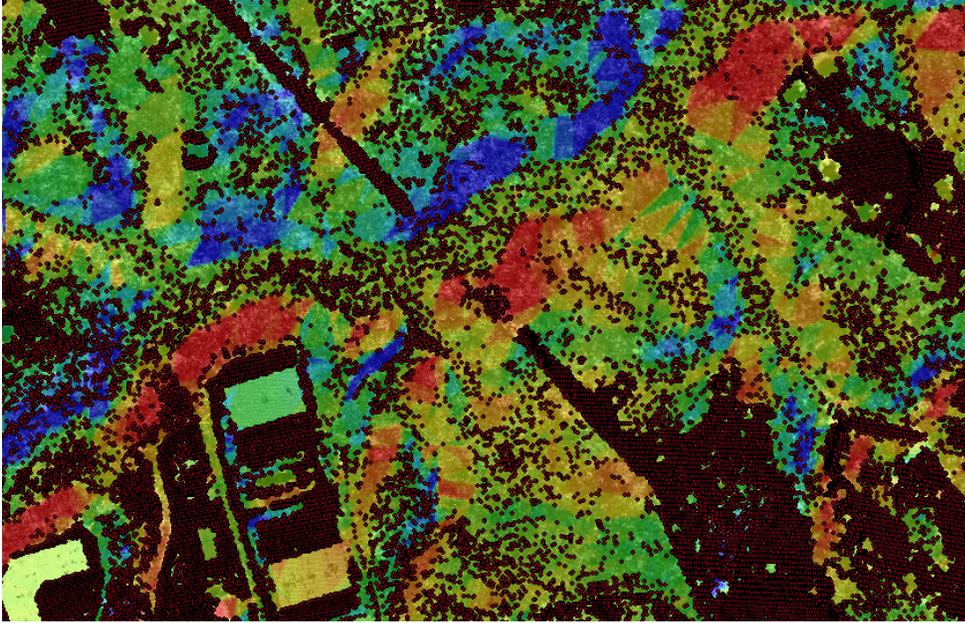


Figure 28 – AP123B51: Aggressive editing in heavy vegetations and areas of high slope. Points are overlaid on slope map.

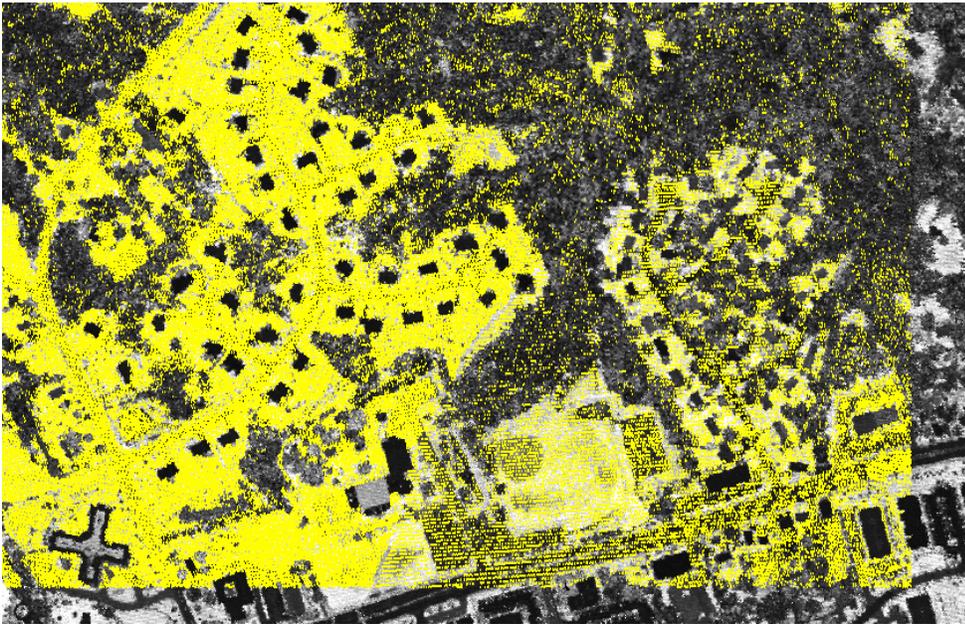


Figure 29 – AP123B51: Scan line issue (middle of image) illustrated with points over intensity image.

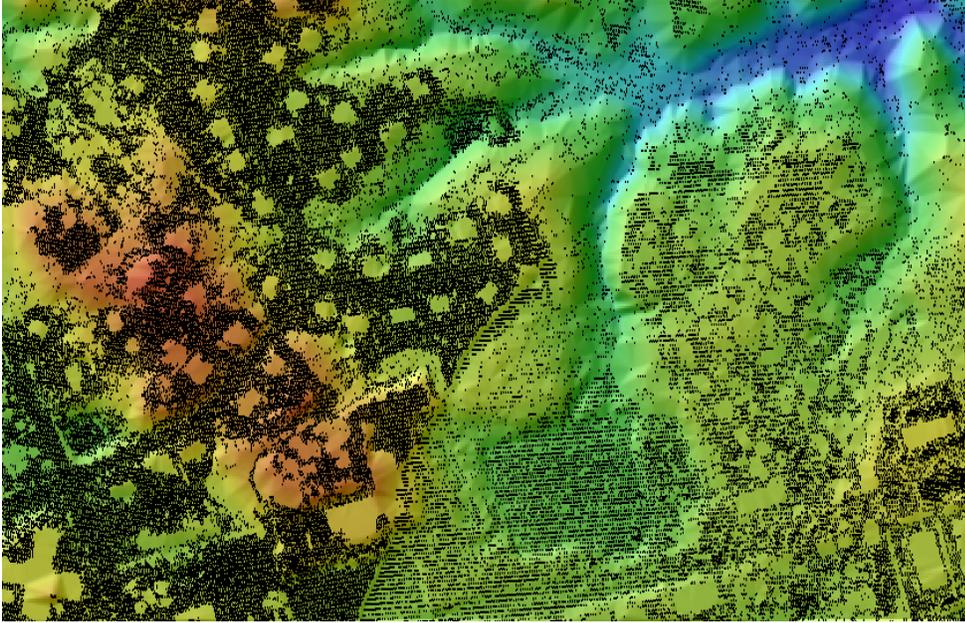


Figure 30 – AP123B51: Scan line issue (middle of image) illustrated with points over DEM.

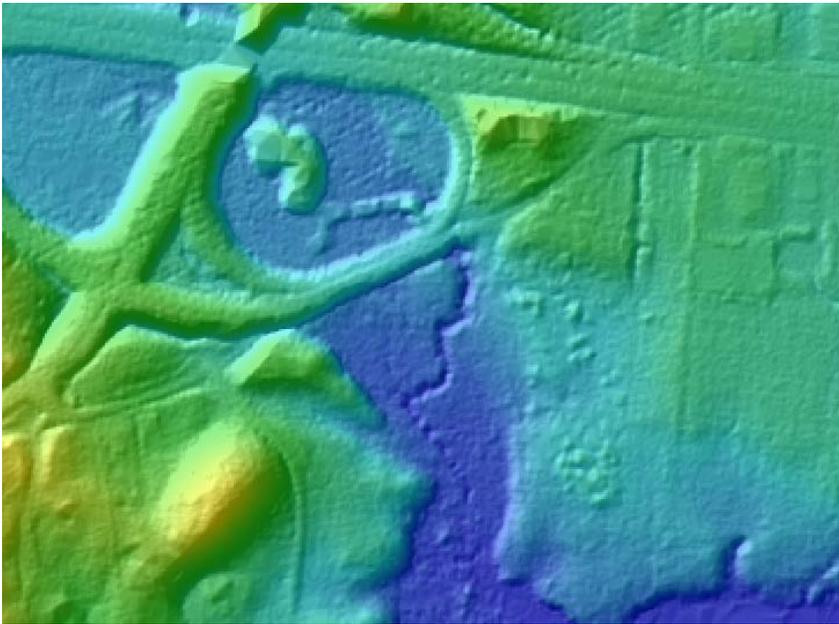


Figure 31 – AP125B11 Inconsistent bridge editing.

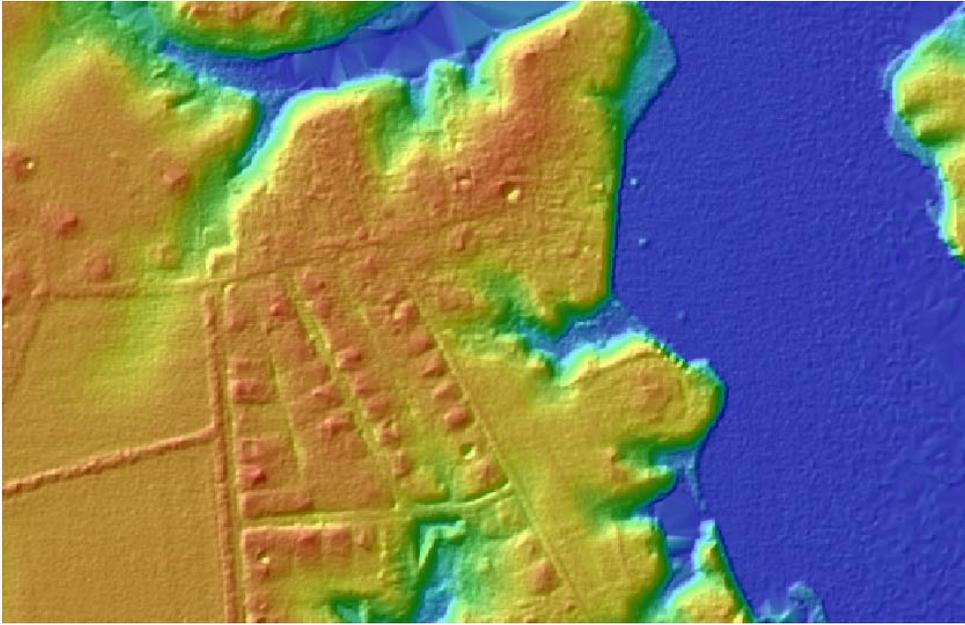


Figure 32 - AP125B61: Divots in Urban areas.

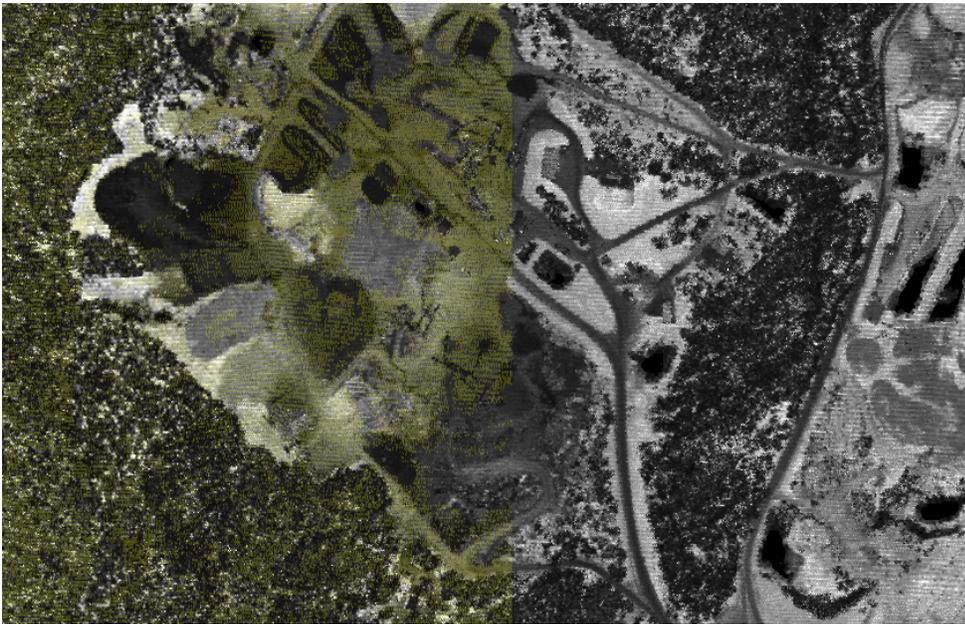


Figure 33 – AQ119B31: Aggressive editing on hilltops.

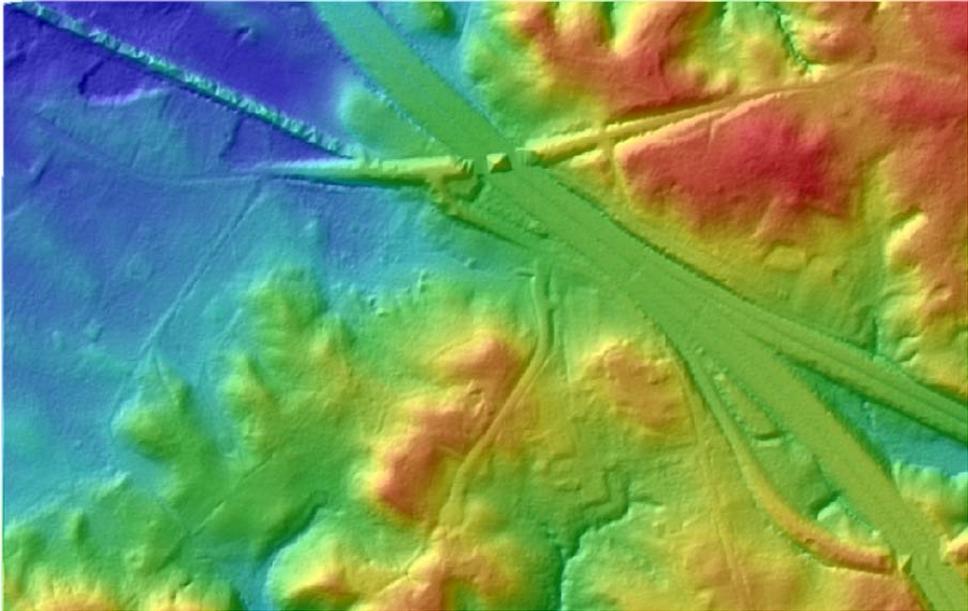


Figure 34 – AQ121B31: Interesting bridge editing. The decks are removed but the center structure remains.

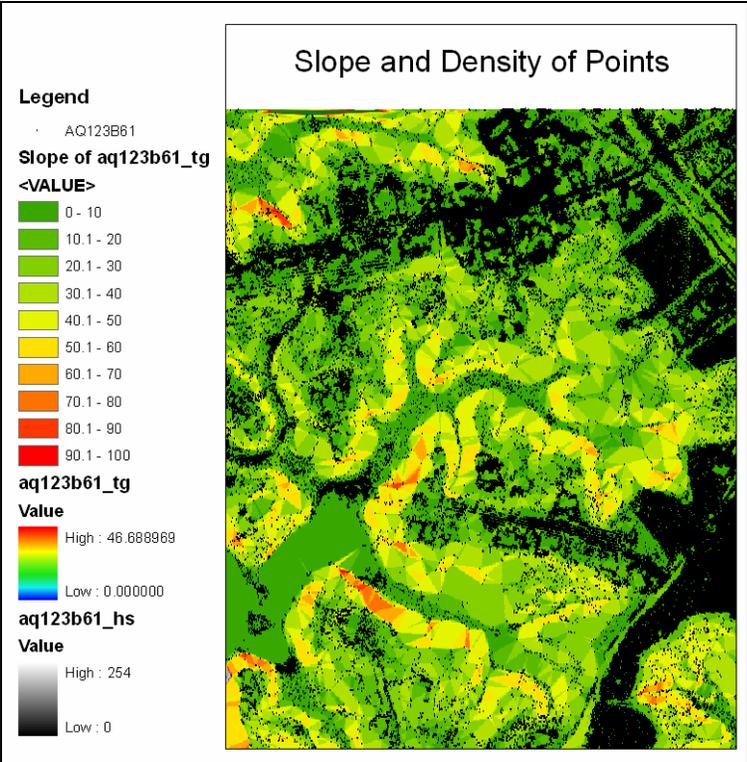


Figure 35 – AQ123B61: LIDAR points overlaid on slope map. High degrees of slope yield less data.

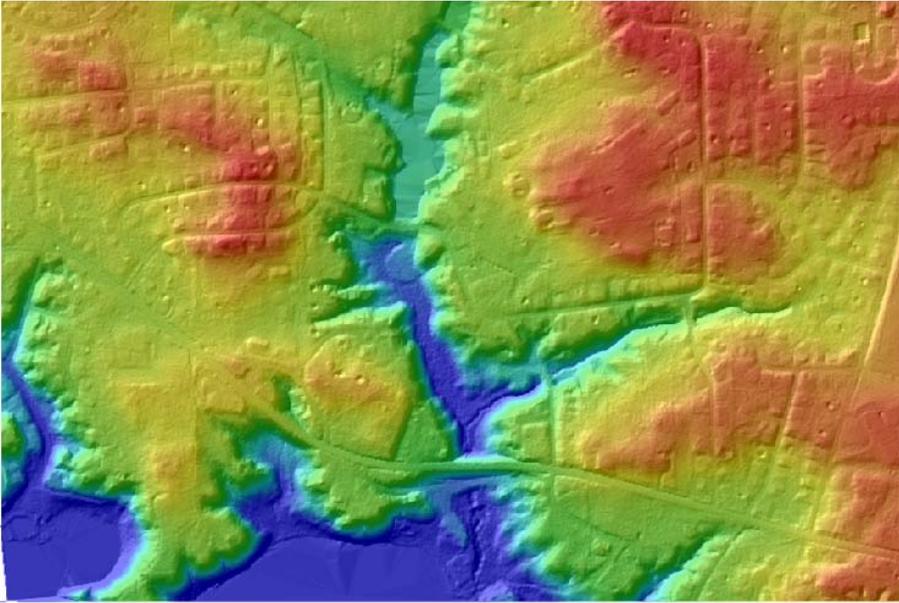


Figure 36 – AR121B21: Small Divots in urban areas.

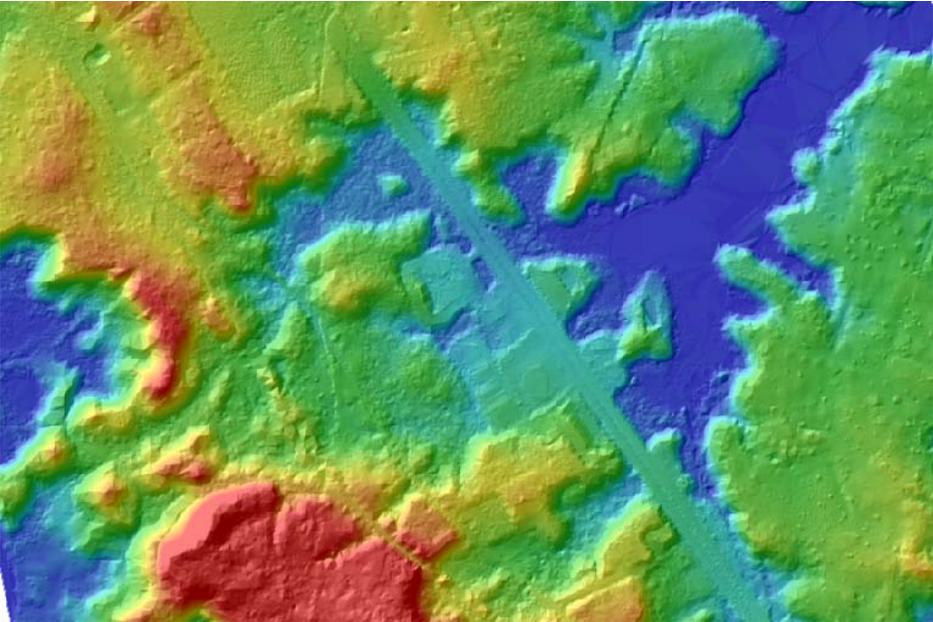


Figure 37 – AR123B51: Scan line issue running north/south, one third from left of image.

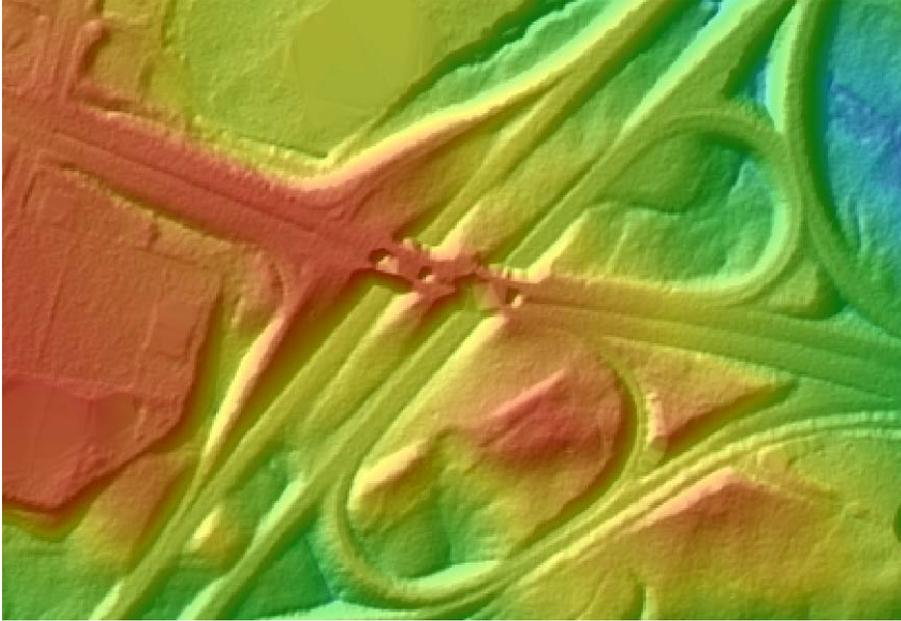


Figure 38 – AS116B61: Inconsistent bridge editing.

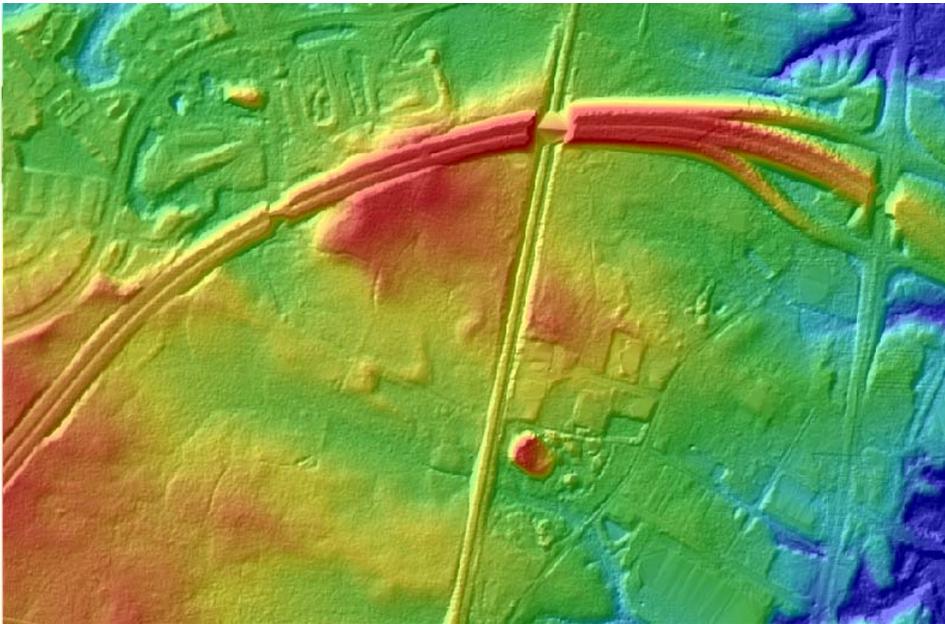


Figure 39 – AS118B51: Inconsistent bridge editing.

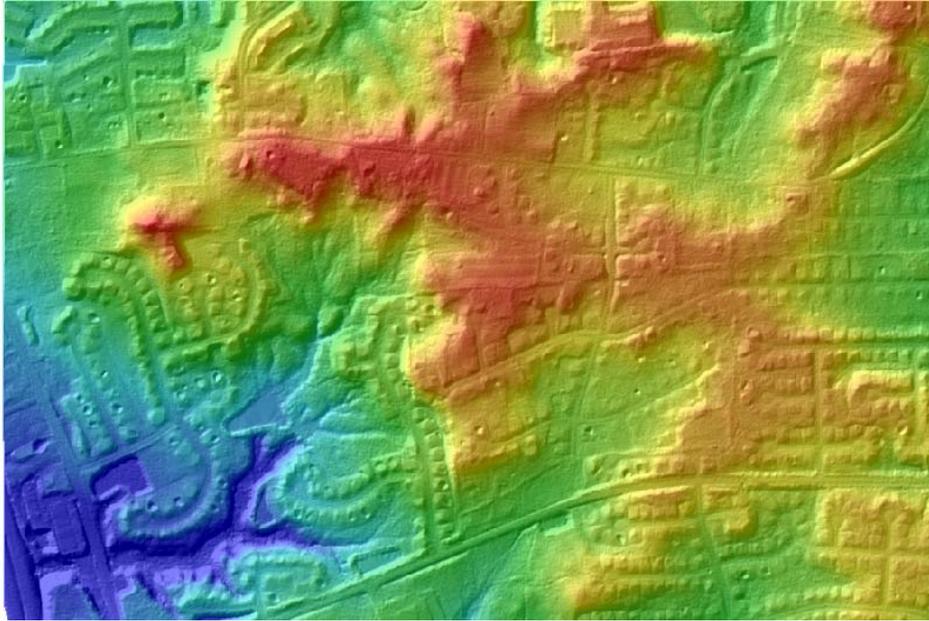


Figure 40 – AS121B31: Small divots in urban area.

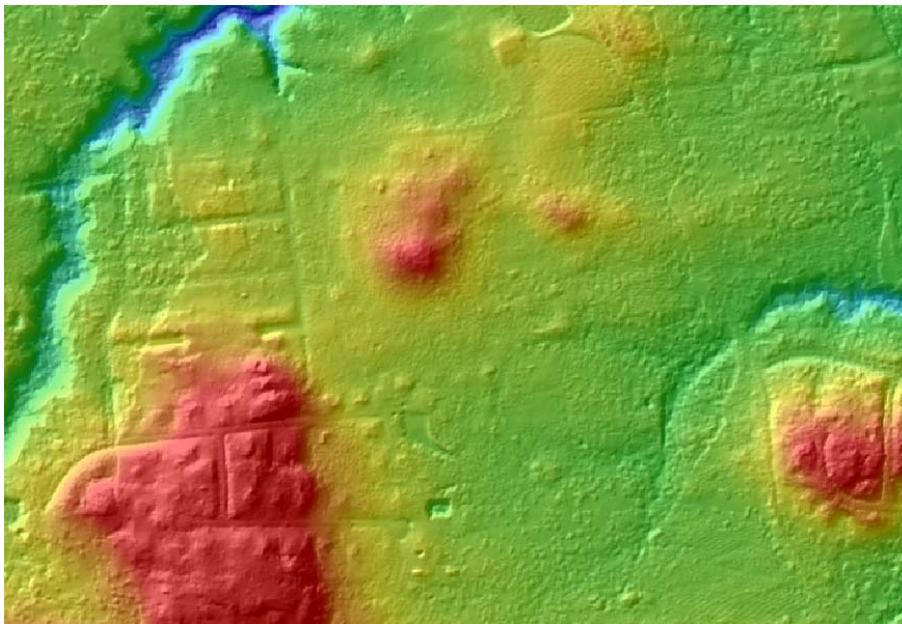


Figure 41 – AS122B41: Scan line issues, north/south in left and right side of image.

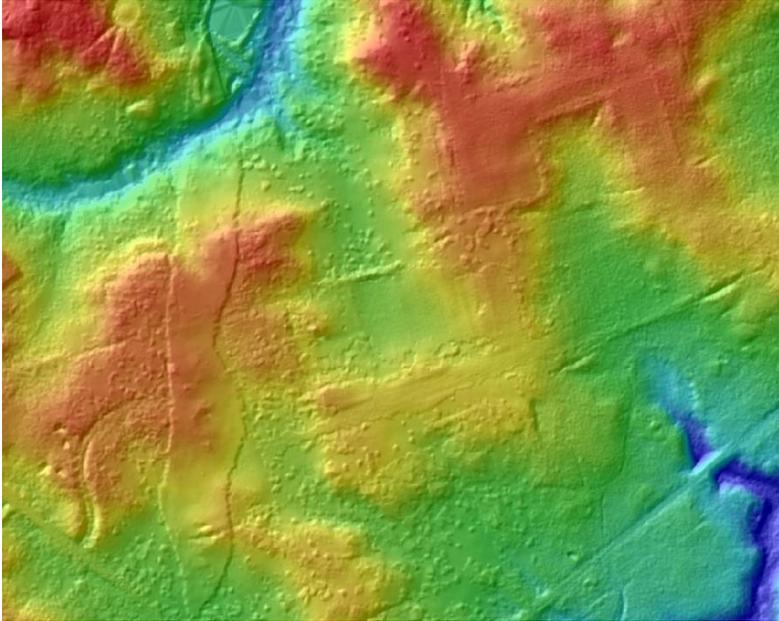


Figure 42 – AS124B11: Scan line issues and noise in areas of double coverage of LIDAR points due to the overlap of flight lines.

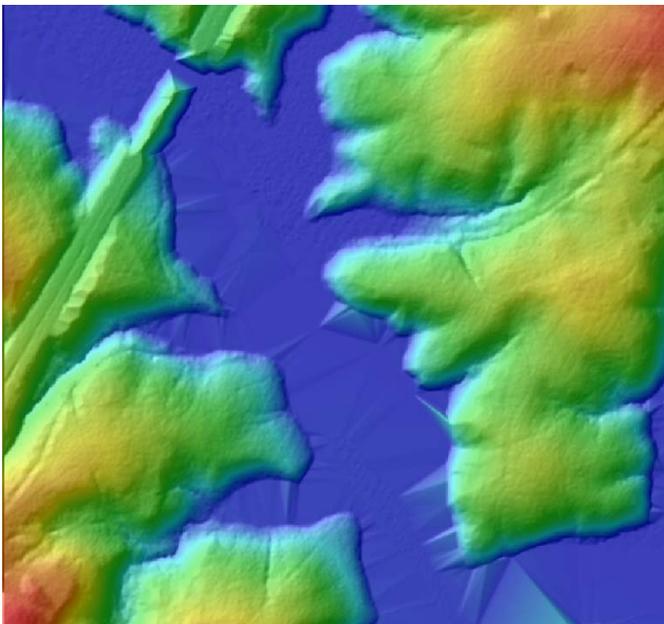


Figure 43 – AT114B51: Inconsistent bridge editing.

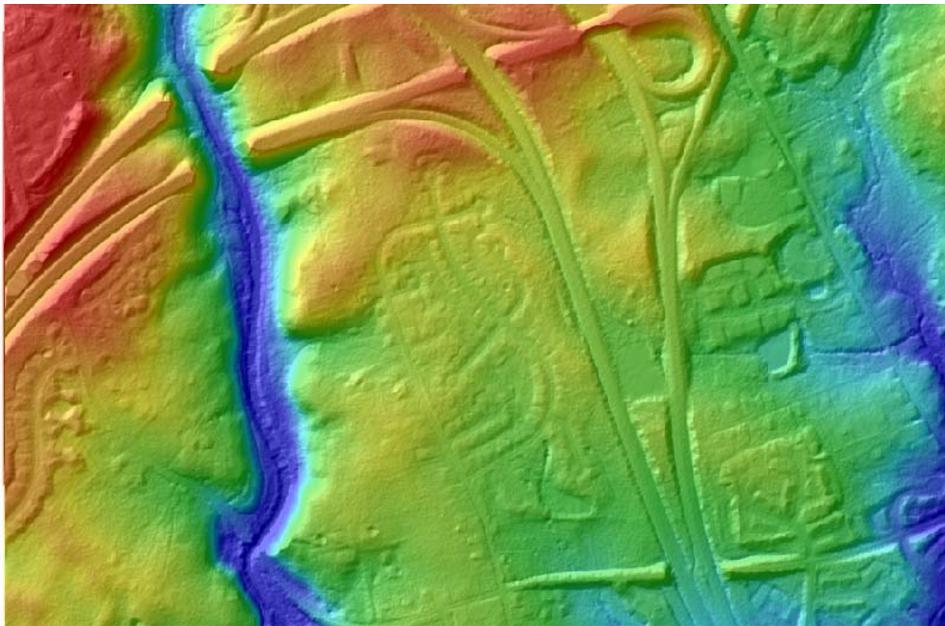


Figure 44 – AT114B51: Inconsistent bridge editing (see quantitative review).

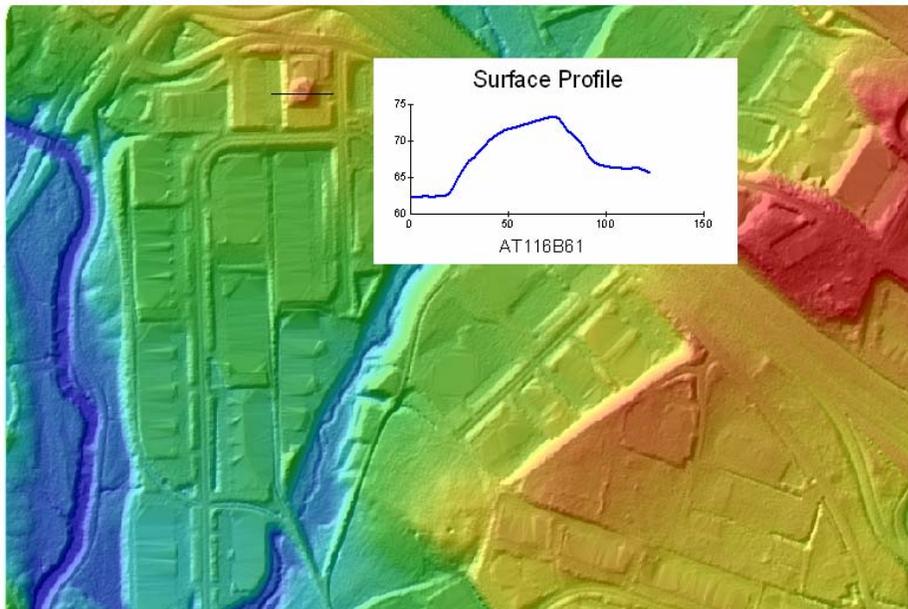


Figure 45 – AT116B61: Potential artifact.

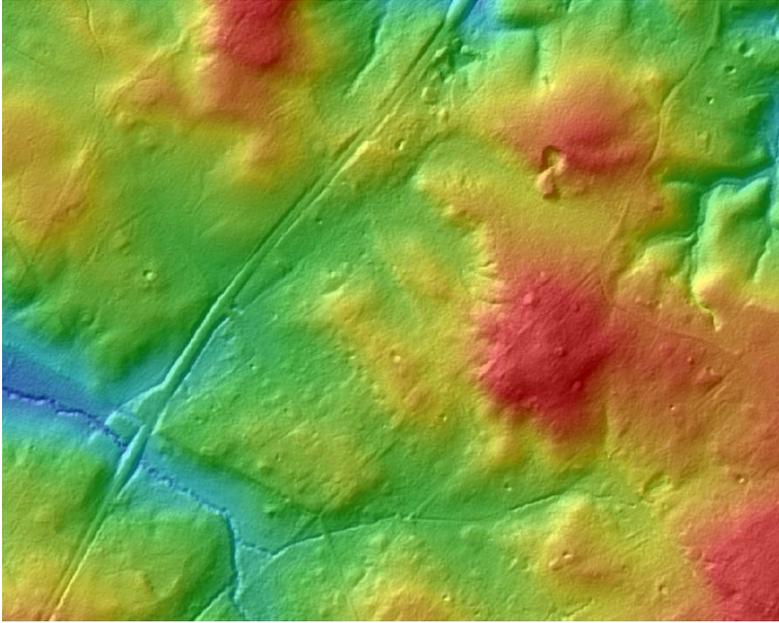


Figure 46 – AT117B21: Small divots.

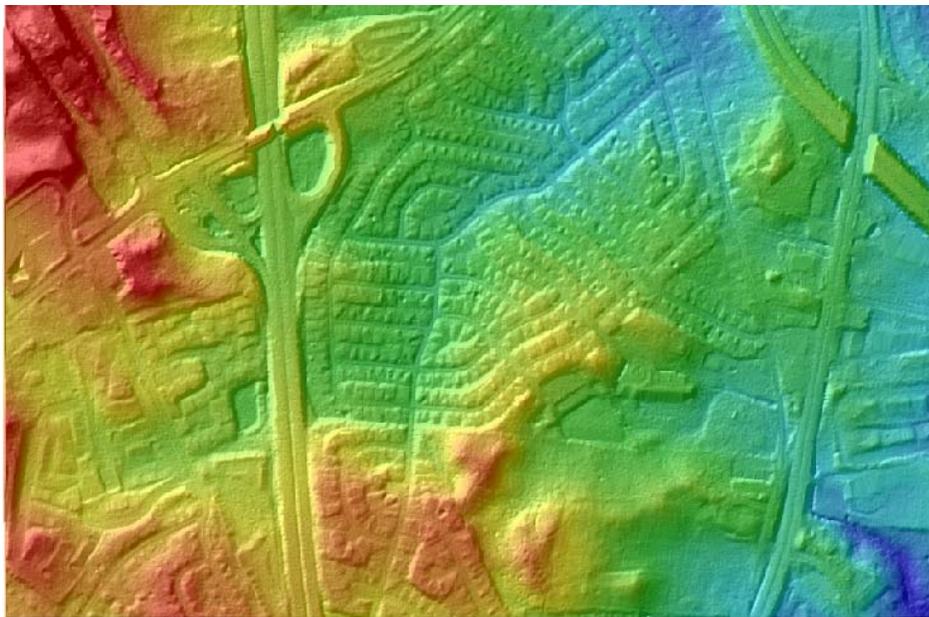


Figure 47 – AT120B41: Inconsistent bridge editing, Left bridge deck remains while bridge on right is completely removed.

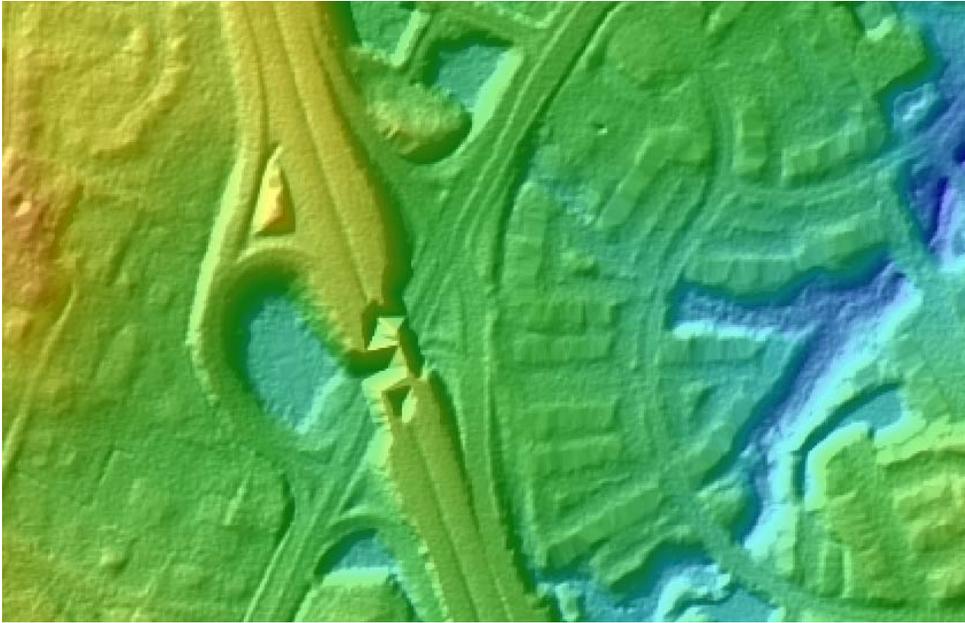


Figure 48 – AT120B61: Inconsistent bridge editing, remnants of structure left behind.

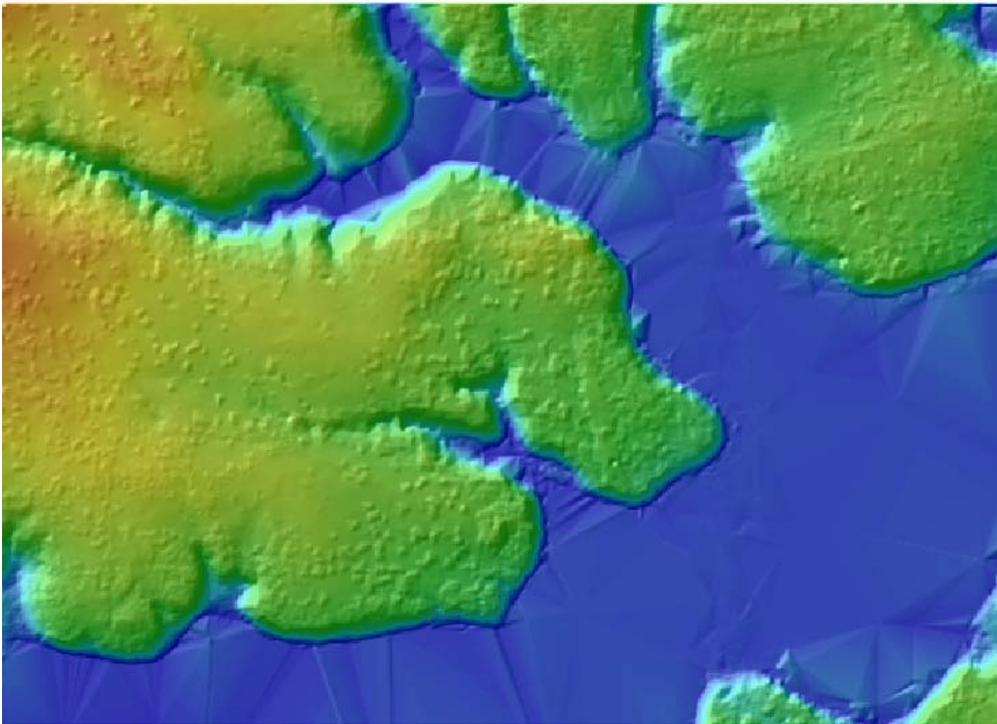


Figure 49 – AT123B11: Potential artifacts in heavy vegetation. These could be legitimate.

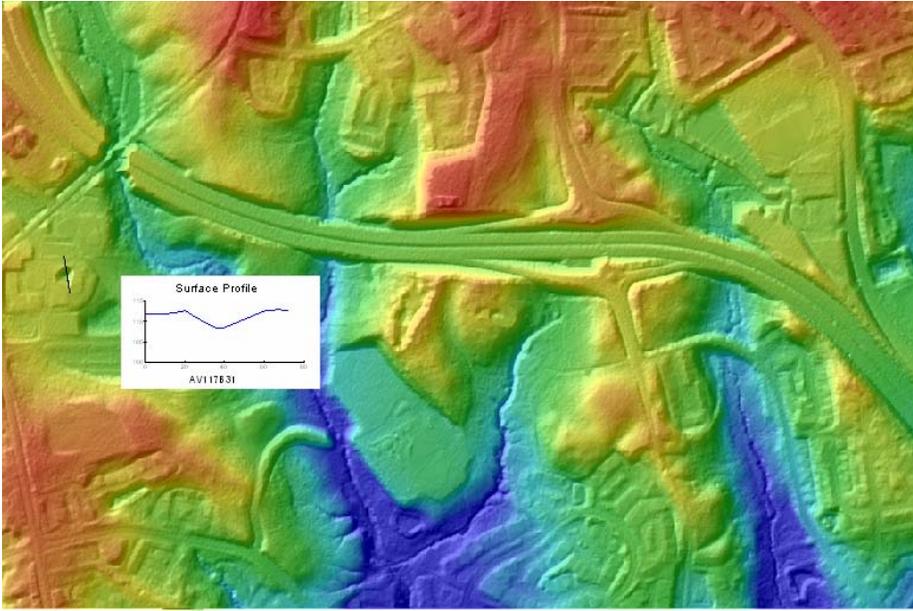


Figure 50 – AV117B31: divot on structure. At times, there are logical explanations such as a courtyard inside the center of the structure.

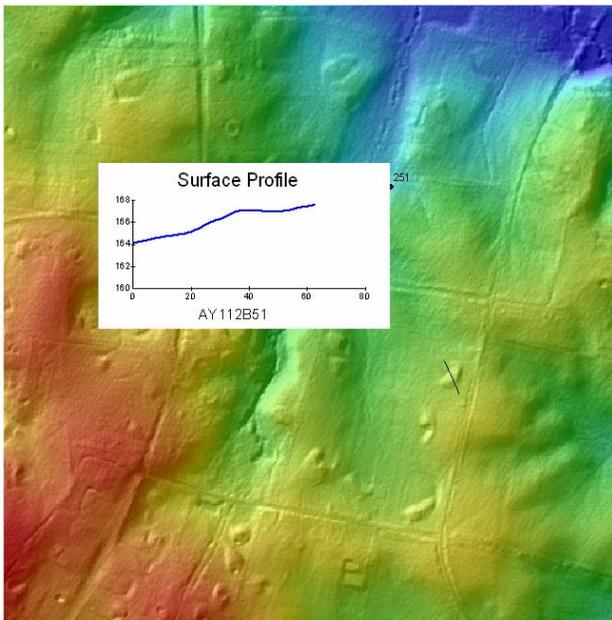
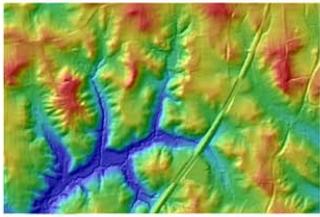


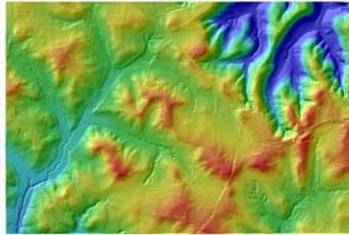
Figure 51 – AY112B51 – Potential artifacts around houses.

Appendix B

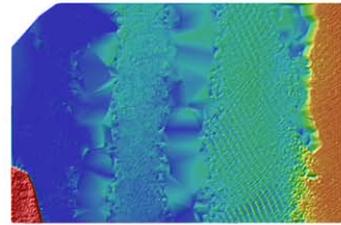
All reviewed tiles



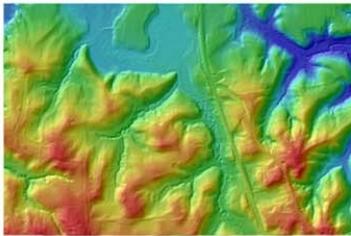
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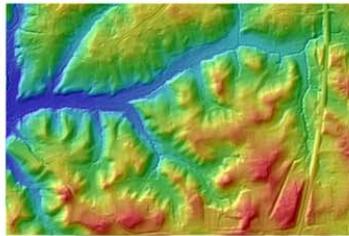
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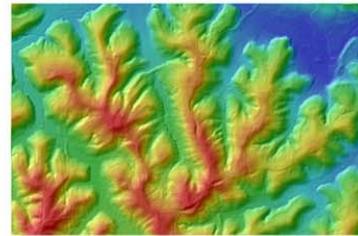
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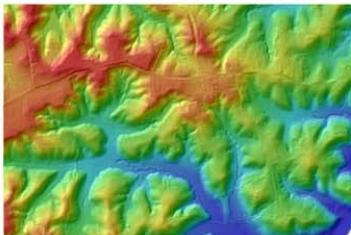
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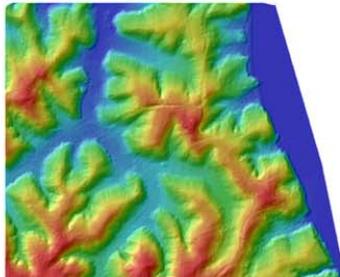
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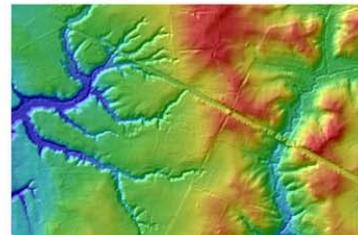
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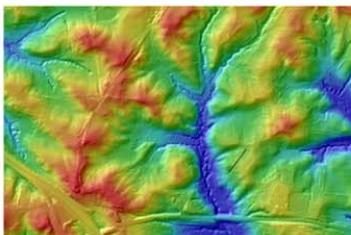
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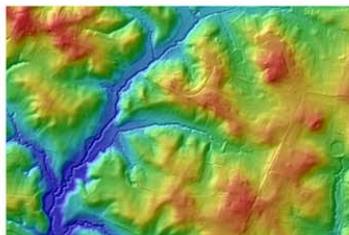
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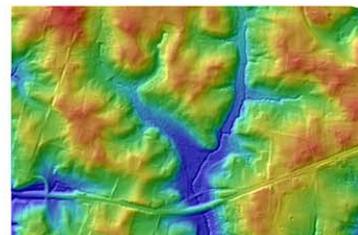
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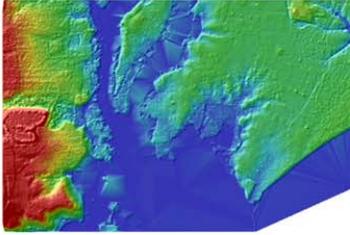
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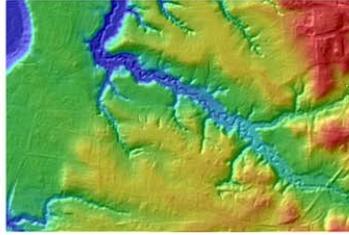
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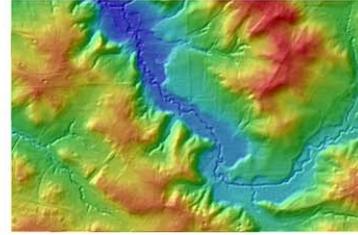
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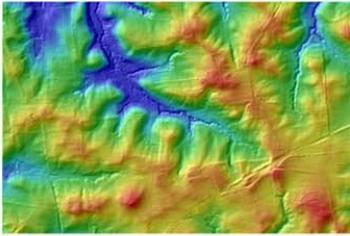
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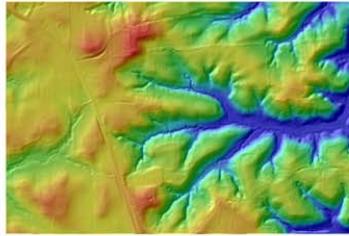
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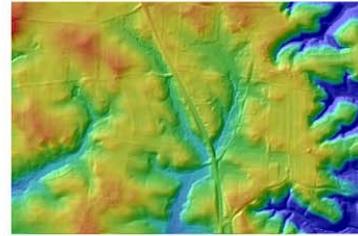
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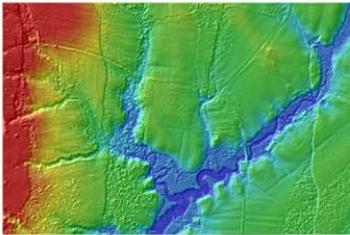
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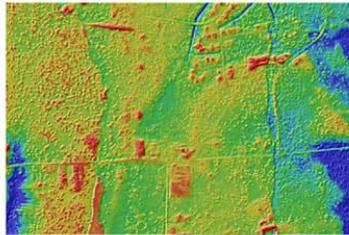
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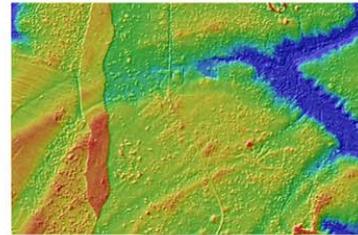
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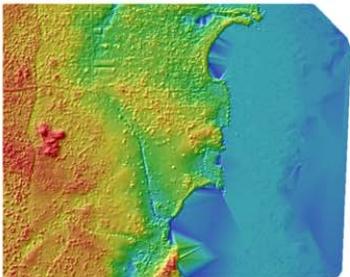
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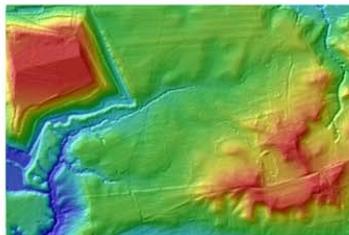
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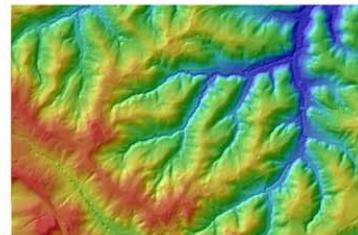
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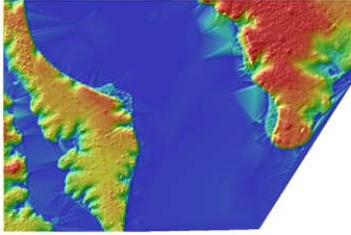
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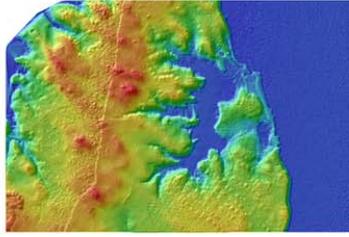
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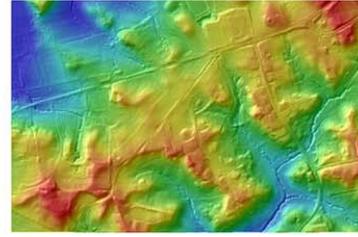
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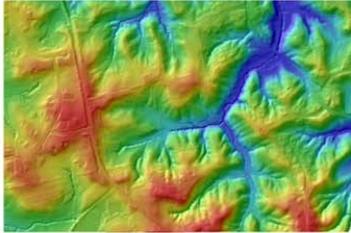
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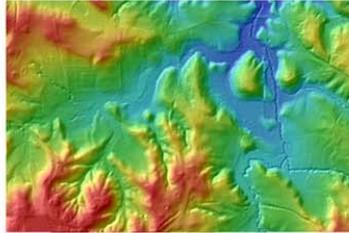
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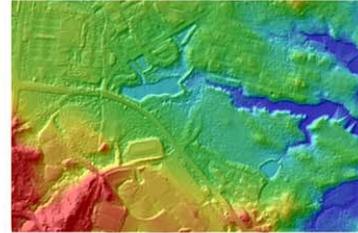
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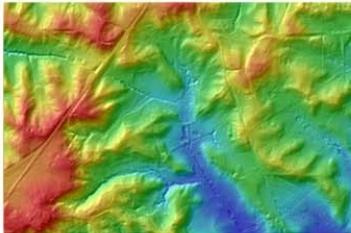
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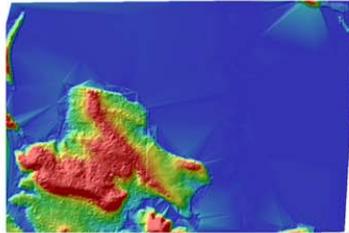
am121b41.bmp



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am122b51.bmp



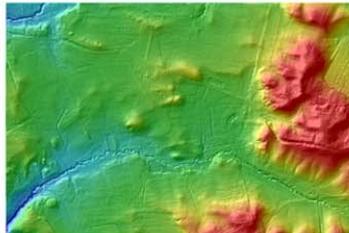
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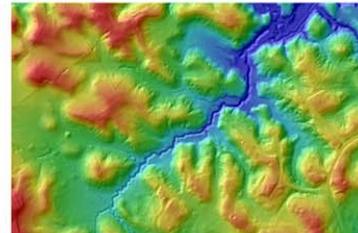
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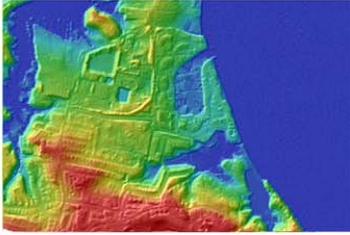
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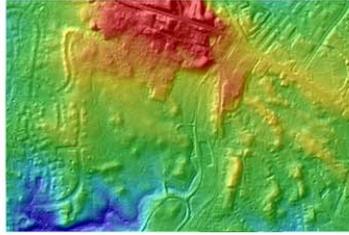
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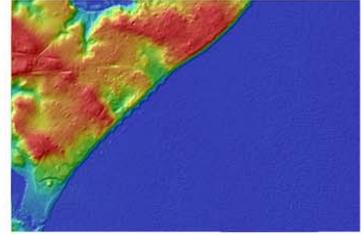
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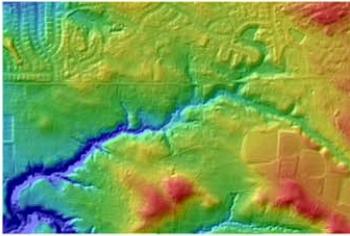
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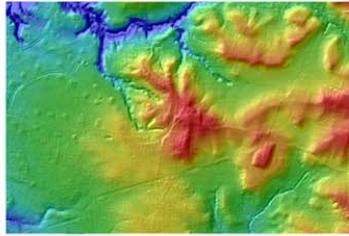
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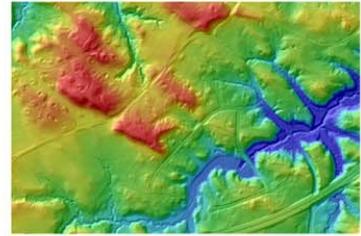
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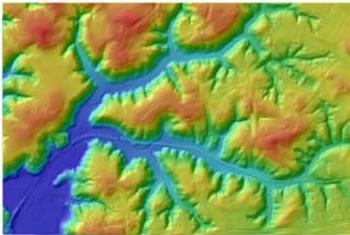
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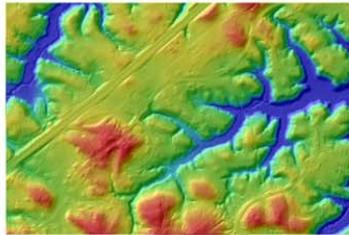
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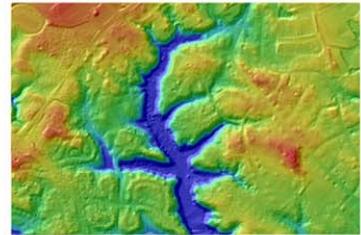
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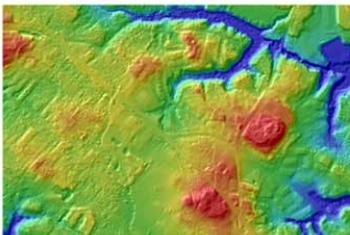
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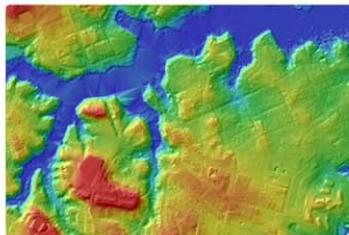
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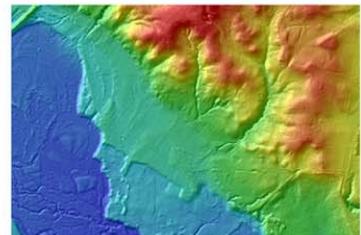
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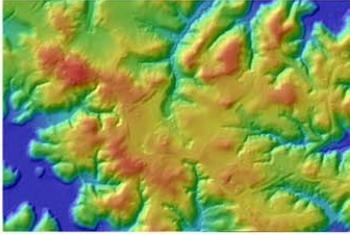
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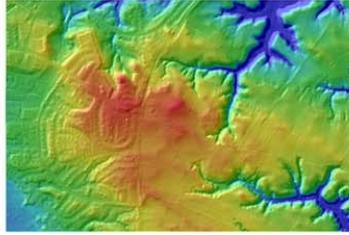
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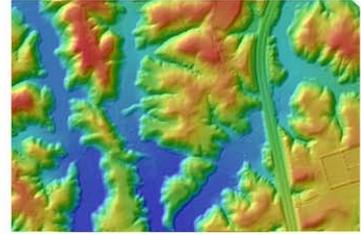
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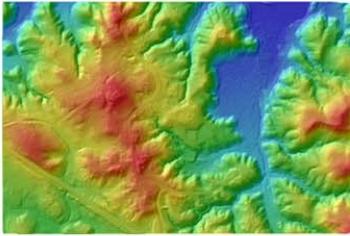
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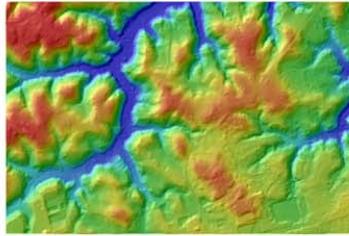
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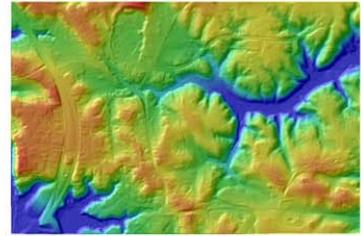
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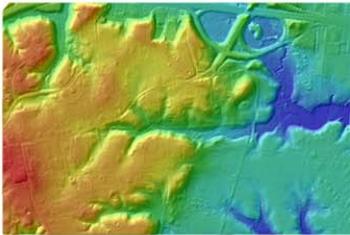
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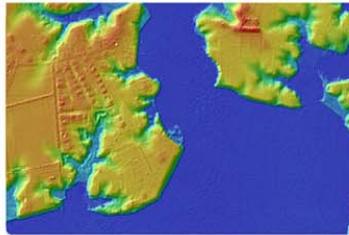
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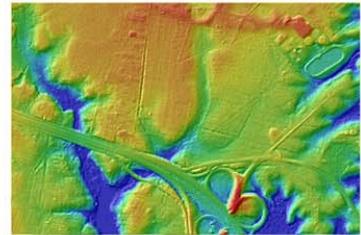
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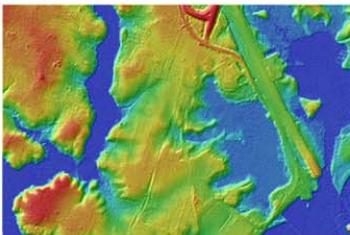
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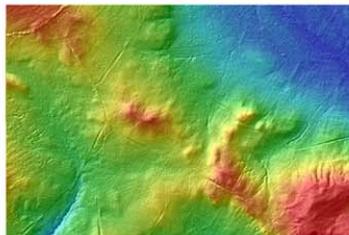
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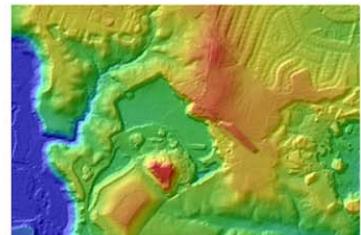
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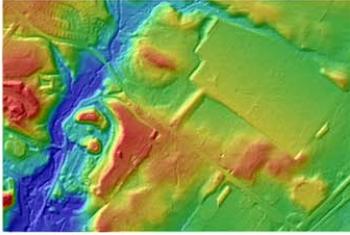
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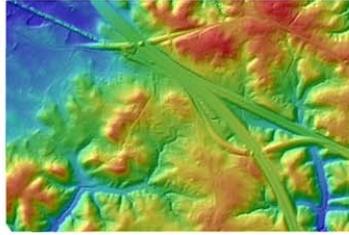
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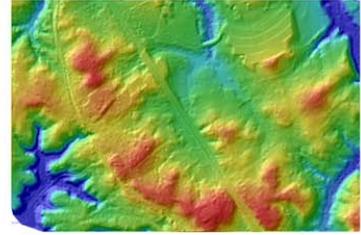
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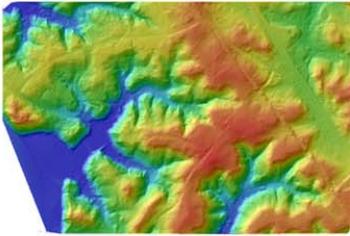
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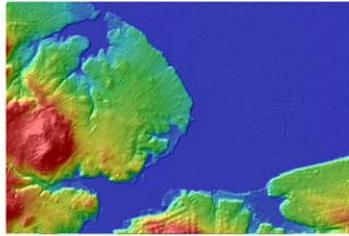
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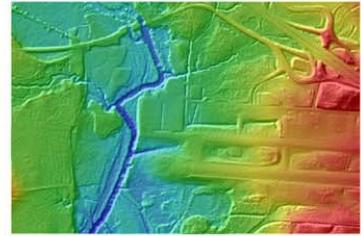
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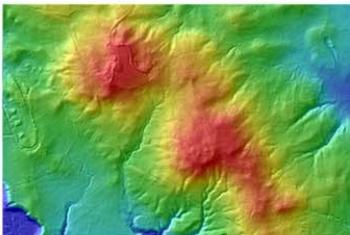
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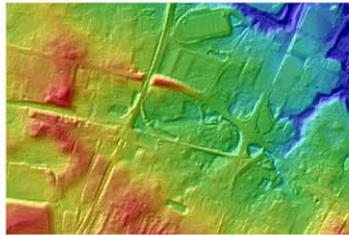
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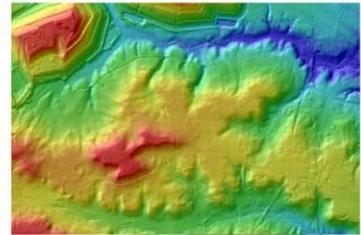
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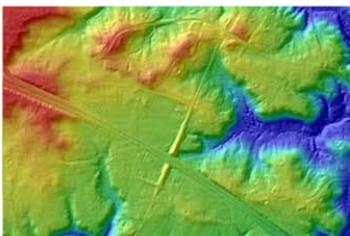
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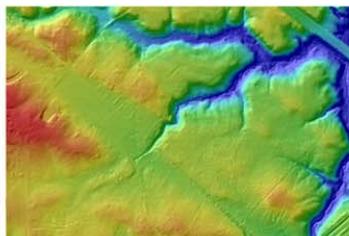
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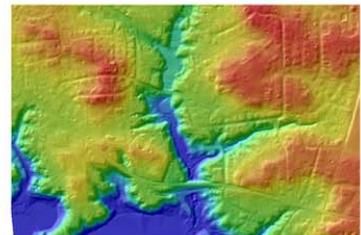
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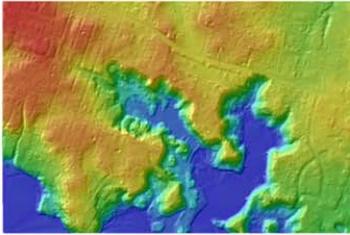
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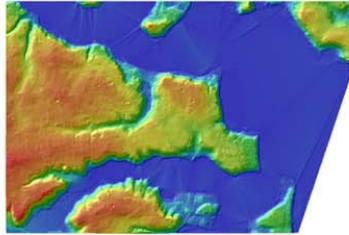
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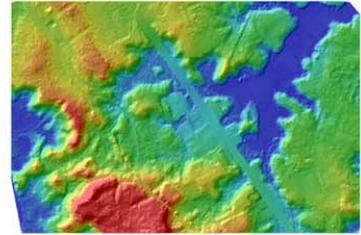
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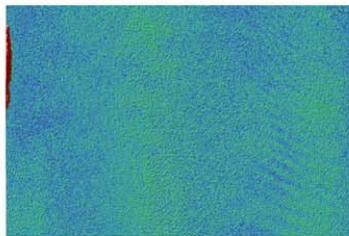
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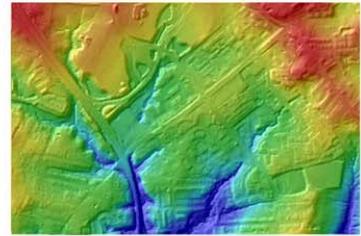
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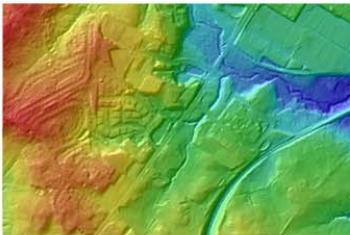
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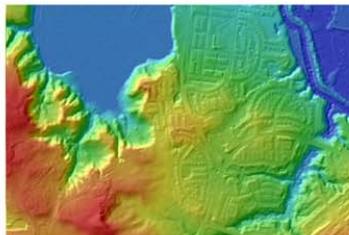
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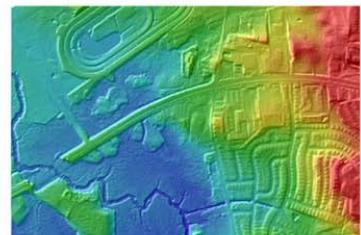
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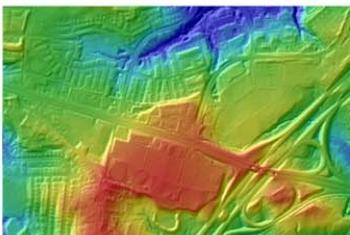
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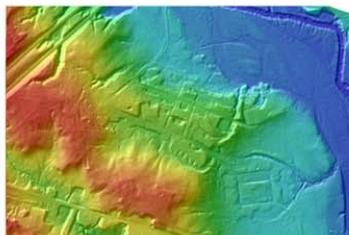
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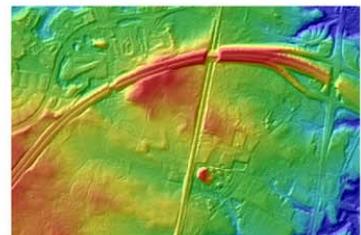
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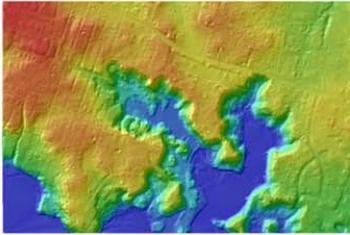
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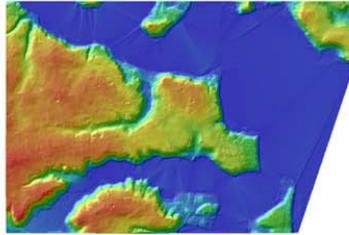
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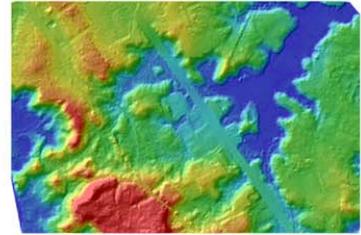
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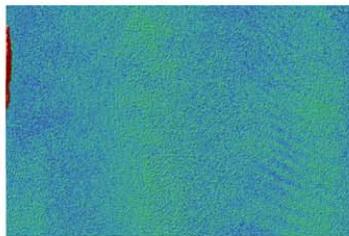
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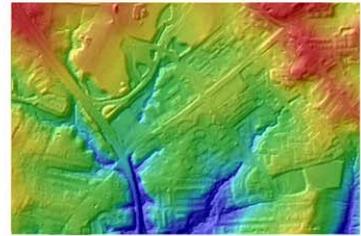
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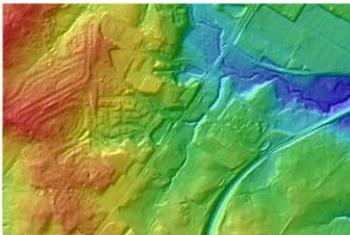
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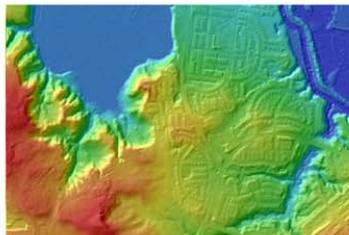
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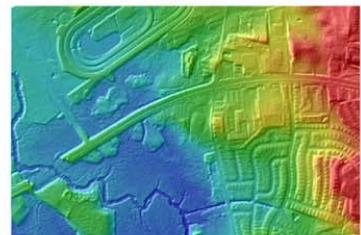
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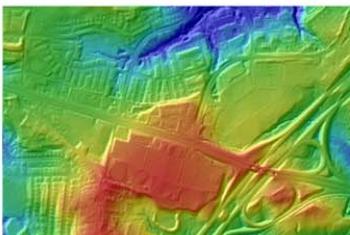
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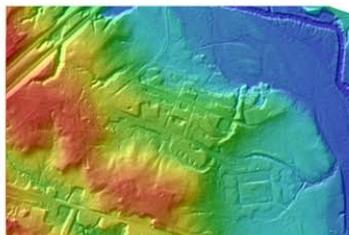
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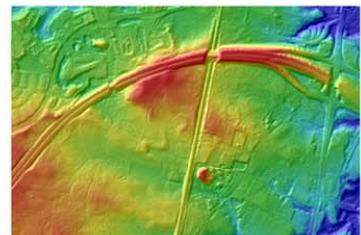
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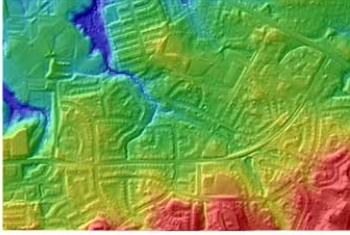
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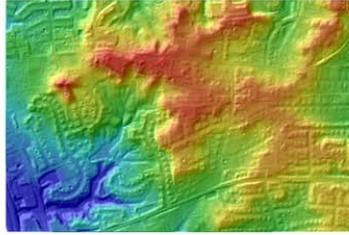
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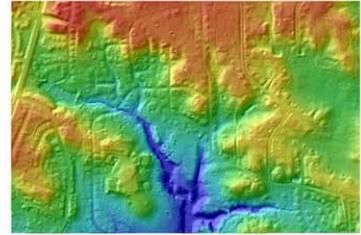
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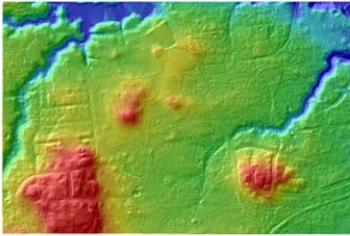
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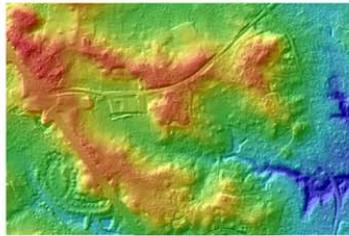
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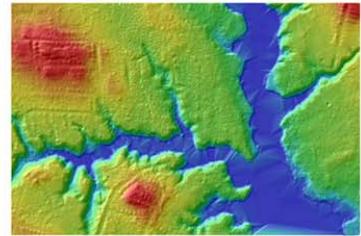
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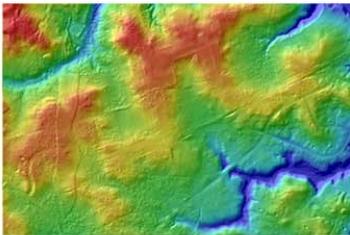
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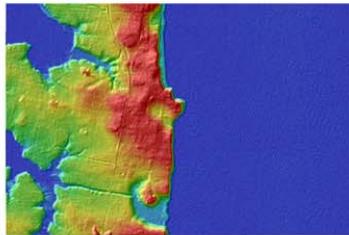
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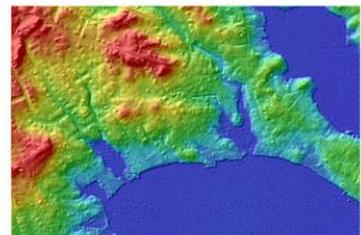
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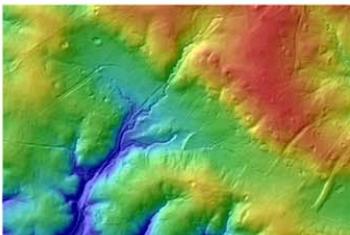
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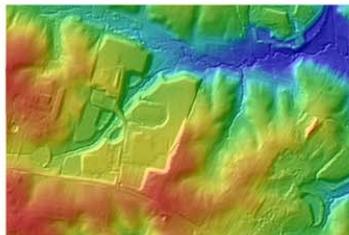
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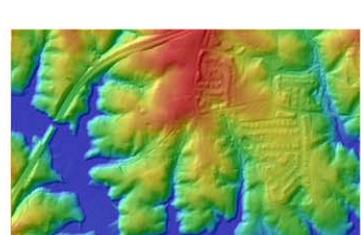
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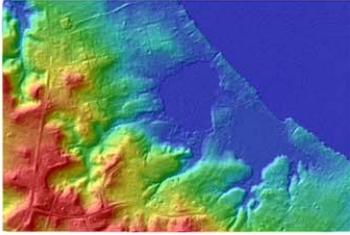
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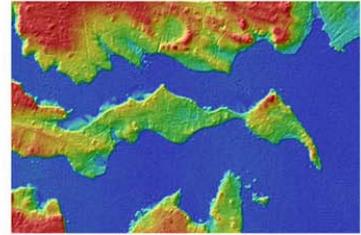
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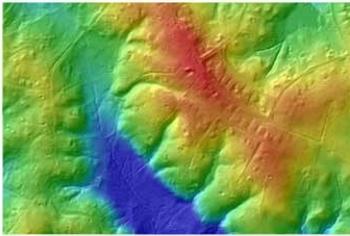
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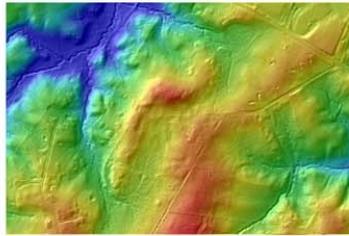
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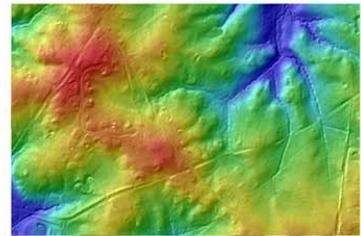
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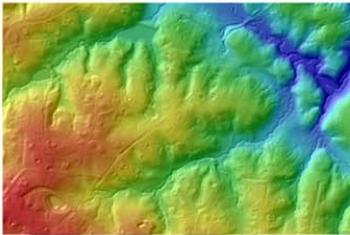
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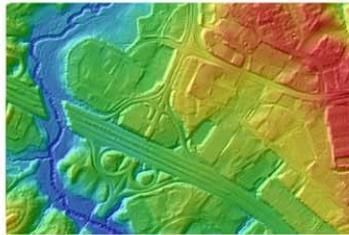
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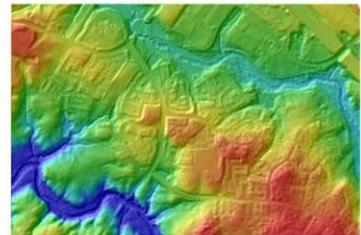
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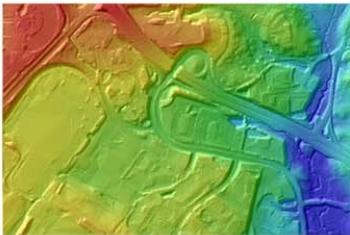
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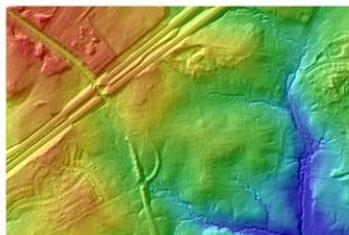
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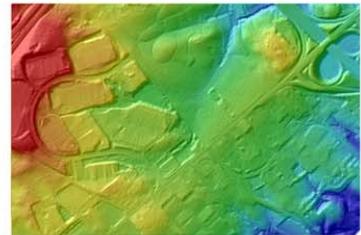
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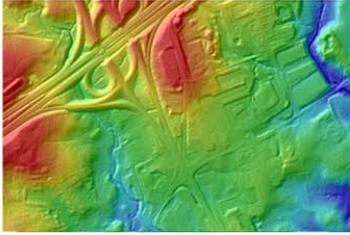
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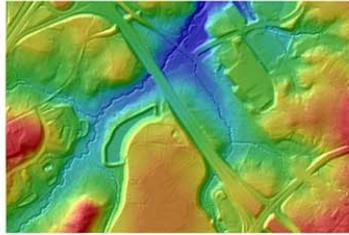
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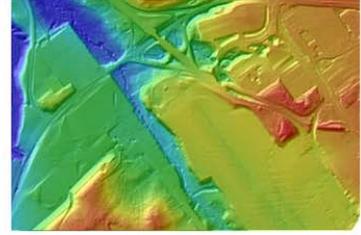
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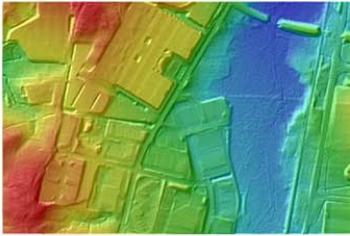
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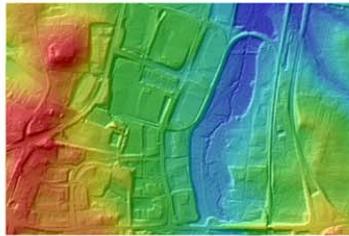
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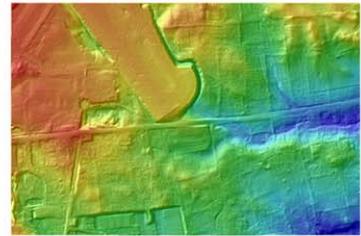
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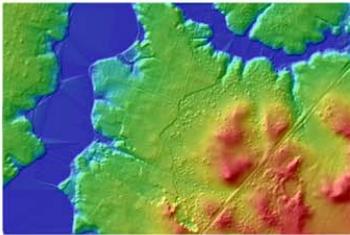
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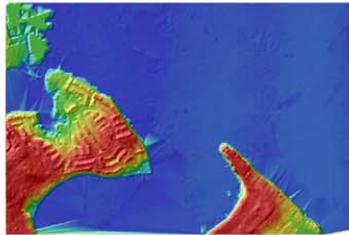
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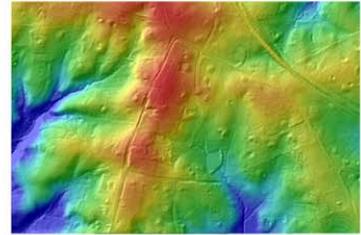
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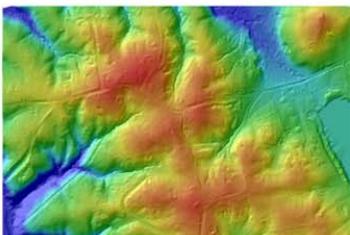
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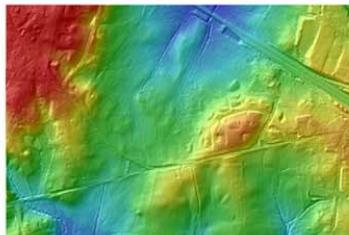
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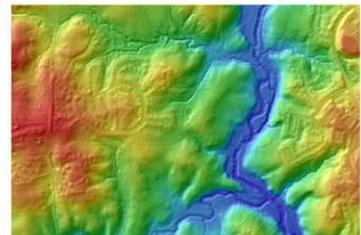
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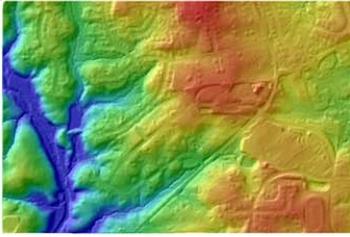
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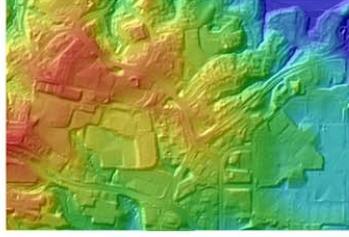
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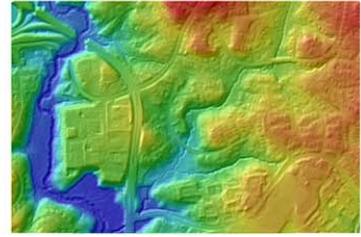
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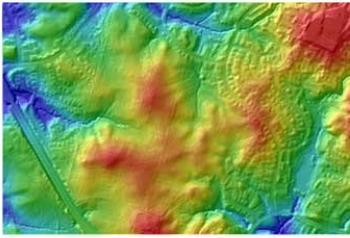
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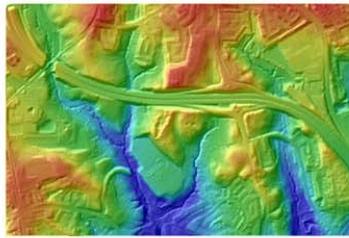
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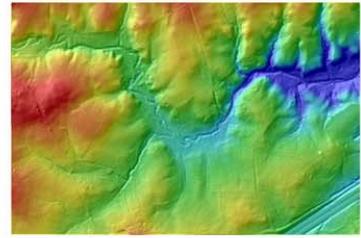
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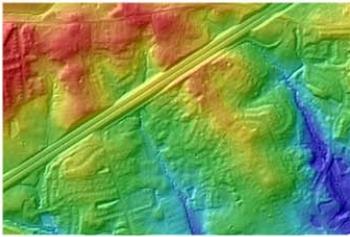
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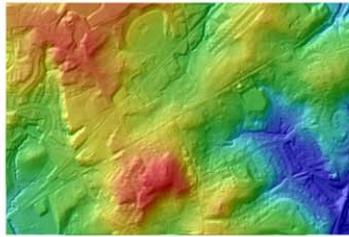
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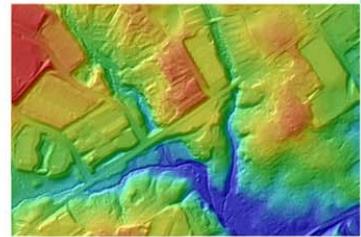
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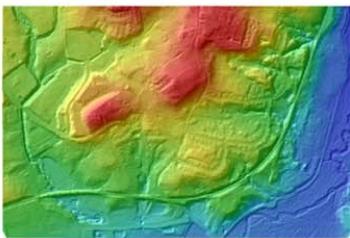
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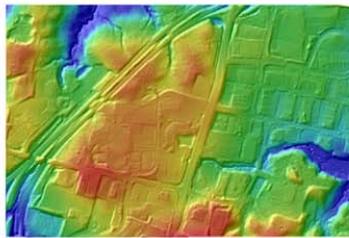
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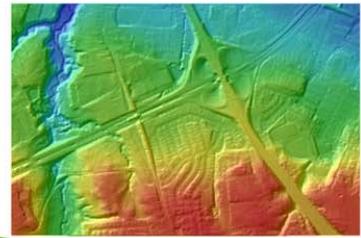
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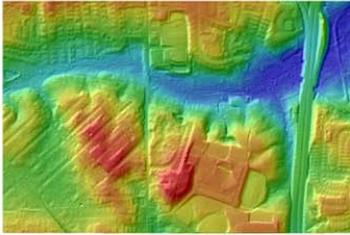
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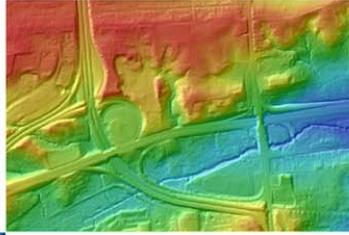
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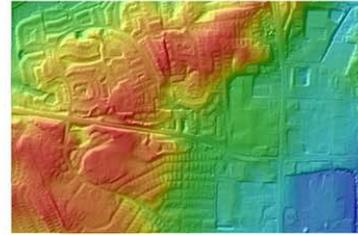
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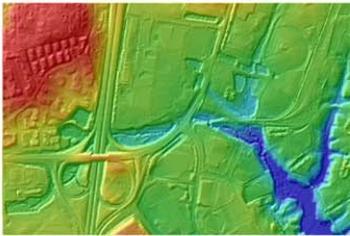
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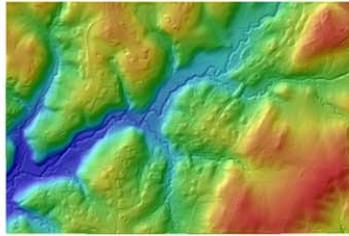
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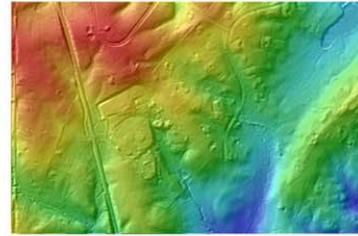
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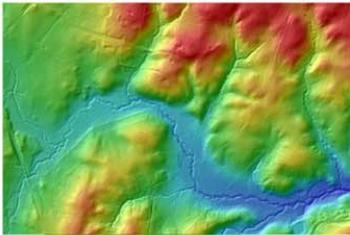
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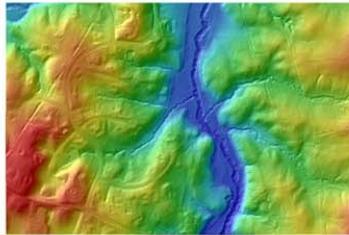
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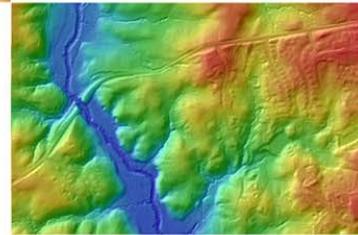
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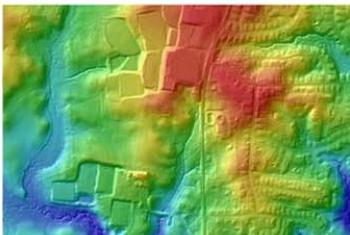
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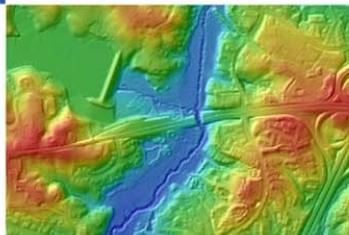
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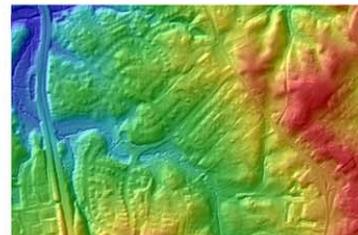
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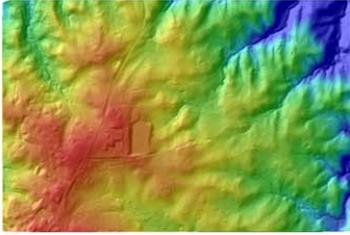
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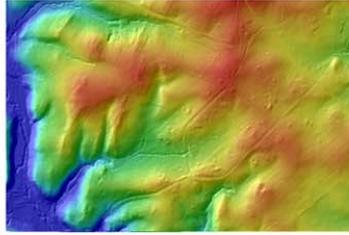
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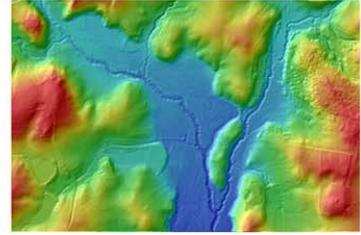
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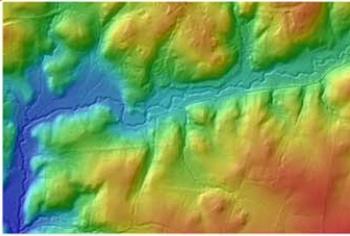
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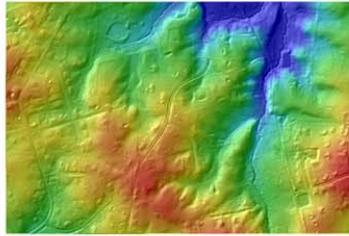
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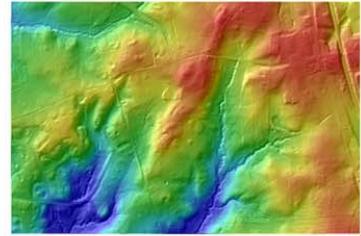
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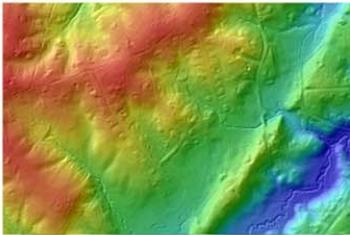
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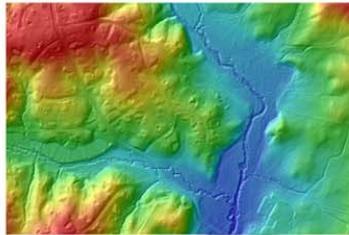
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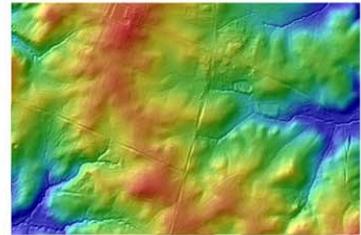
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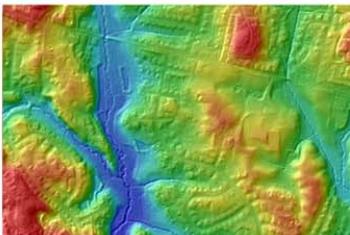
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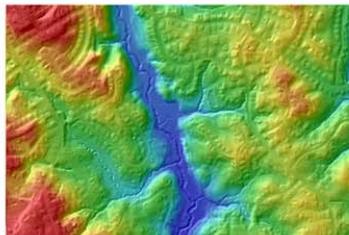
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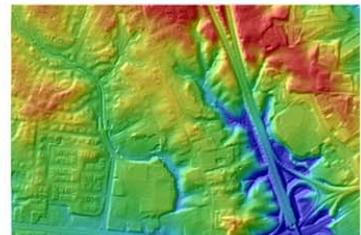
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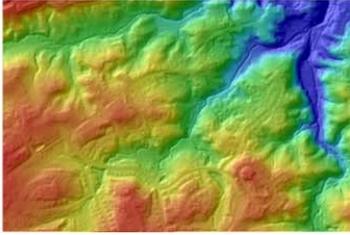
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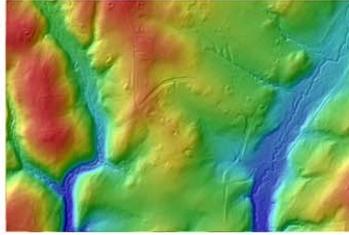
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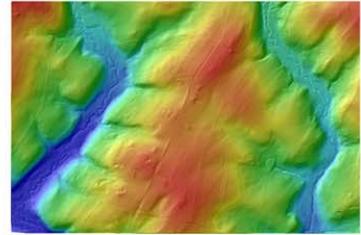
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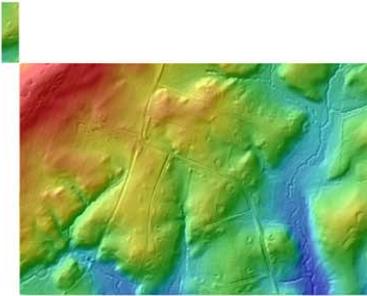
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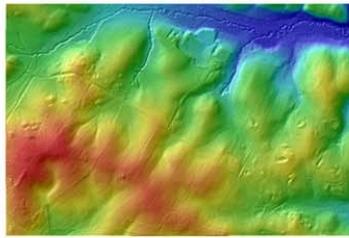
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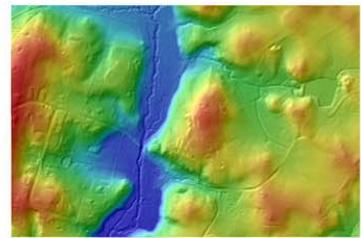
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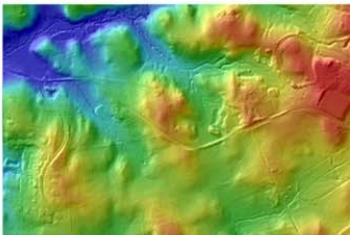
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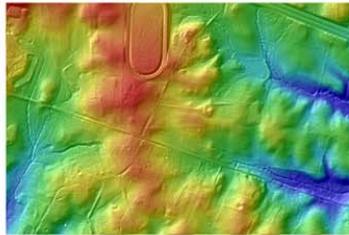
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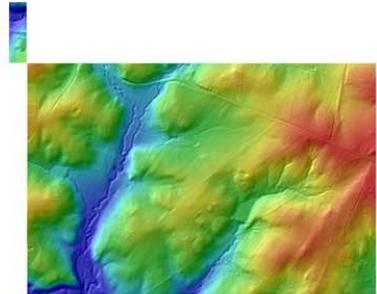
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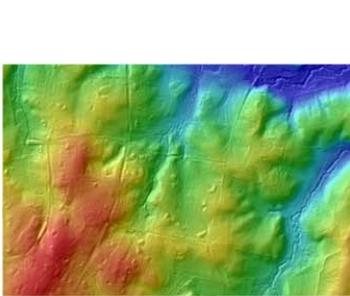
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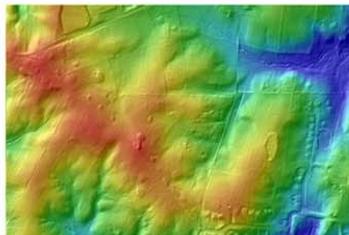
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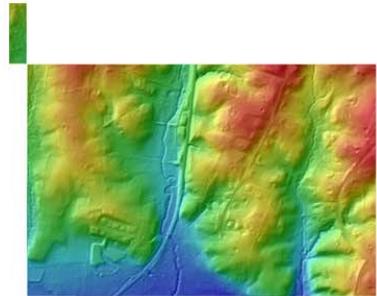
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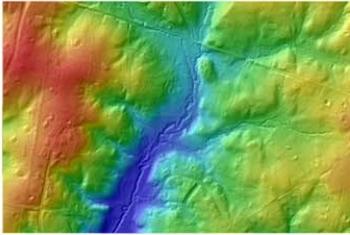
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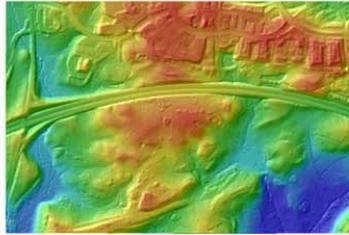
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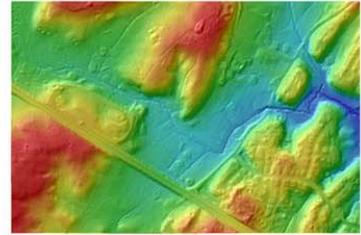
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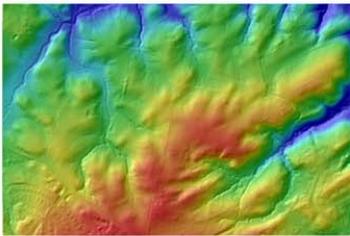
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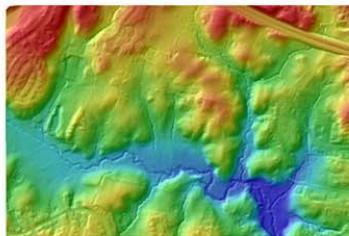
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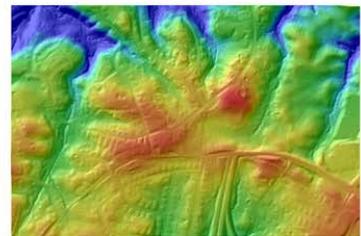
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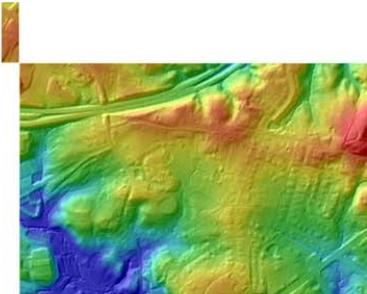
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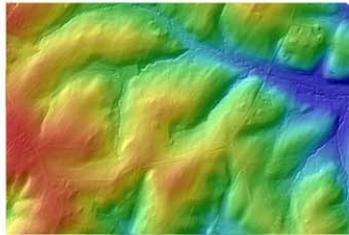
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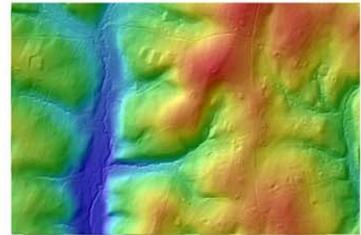
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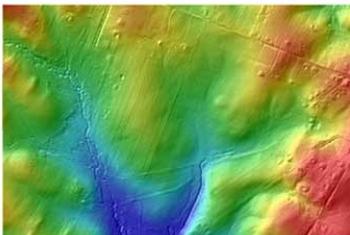
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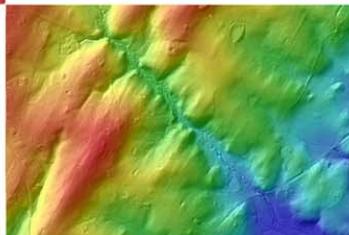
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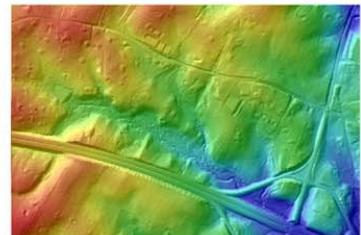
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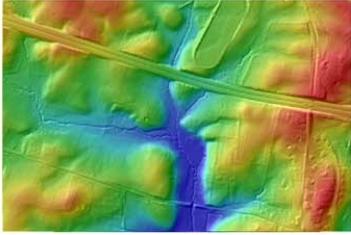
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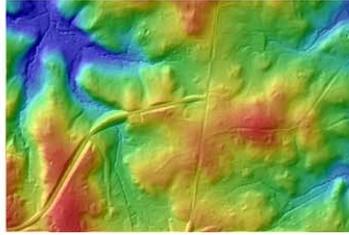
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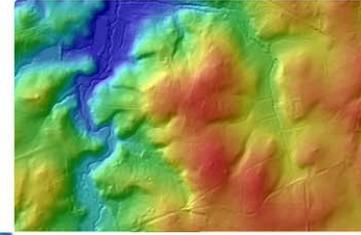
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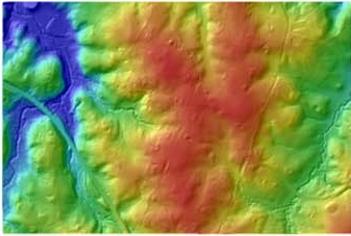
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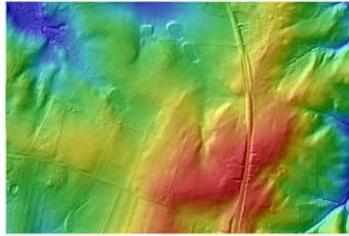
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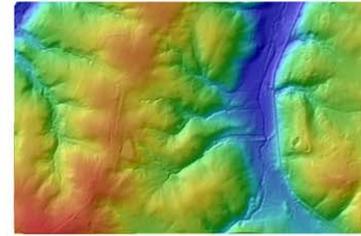
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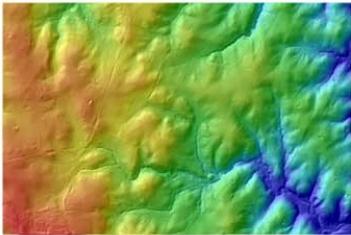
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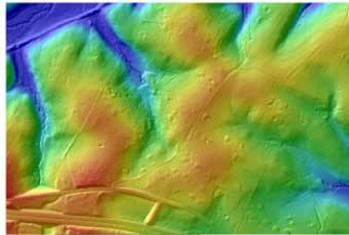
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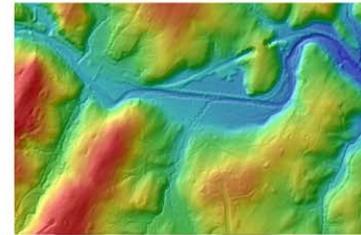
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