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## Monroe/Lenawee Standing water, DEMs

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**Benham, Shawn** <sbenham@sanborn.com>

Thu, Nov 16, 2017 at 1:35 PM

To: "Everett Root (roote@michigan.gov) (roote@michigan.gov) (roote@michigan.gov)" &lt;RootE@michigan.gov&gt;, "Lowe, Amanda" &lt;alowe@usgs.gov&gt;

Hi Everett, Amanda,

I was looking to follow up on the discussion re: Monroe/Lenawee standing water - but could not find that I had sent an email following our call! Ugh!

The action from Sanborn was to run a sample DEM in an area of standing water in the fields, and evaluate the result. We've run up such an example - it can be downloaded at the link below.

<https://www.dropbox.com/s/dfafk1kbmwayvbw/305132.zip?dl=0>

While the resulting DEM does show some tinning (as expected), the variation in elevations across the tinning is also not significant (also as expected).

A screenshot is below

In our opinion, adding breaklines to the standing water areas will create/add confusion to the end users (they may assume these are permanent waterbodies), and won't significantly improve the accuracy of the DEM.

Everett - I think this is in alignment with your opinion, but wanted to confirm.

If so, we'll proceed with finalizing the data, and be sure to note in the metadata that there may be areas of lower confidence due to the wet conditions.

I can call you monday to finalize things.

Thanks

Shawn

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