



Asquith, William <wasquith@usgs.gov>

Re: HUCs

1 message

Knight, Rodney <rrknight@usgs.gov>
To: "Asquith, William" <wasquith@usgs.gov>
Cc: Elena Crowley-Ornelas <ecrowley-ornelas@usgs.gov>

Wed, Mar 13, 2019 at 2:33 PM

Will,

First off.... I consider you both as the final authorities on this matter for our project. Were it not for your sleuthing, I wouldn't have know of the issues, though would have suspected something probably (and probably always will now that we know what we know).

Second.... no substantive comments to add into the record on this. From my confab w/ Elena earlier today, it sounds as if you all have your bases covered and are making sound, logical steps toward our best effort. Putting a 'note' into the SB page detailing these things is sort of our disclaimer... "we've done all we can do"... noting the version of the pour point dataset and WBD dataset in case anyone ever cares.

Please keep Scott Worland in the loop so that he can re-pull/process as needed.

Thank you both.

Rodney

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On Wed, Mar 13, 2019 at 12:19 PM Asquith, William <wasquith@usgs.gov> wrote:

VERY IMPORTANT:

Elena and I had good talk. Fixing the HUC12 pour point data releases to the 2017 WBD is algorithmically done on my end--not committed. Same workflow will fix the Gages. Now we have an issue to be aware of.

Geometry is arguably different meaning some new pour points should(?) be involved. She can show you a triple example. Our tables thus might have info like this:

comid	huc12	lat	long	basin_area
aaa	bbb	30.4	-100.1	203.23
aaa	bbb	30.9	-100.3	153.5

See how two records (or even on triplicate) have the same comid and huc12 (2017 WBD) but are actually at a different location and area based on the 2016 divergence routing.

Nothing we can do about it now. Just adds a little noise into the model building in that we have basin characteristics measured with some "error". We have already been living with duplicate comids. Elena thinks language about "unique"

(quoting the release) huc12 can be kept as is.

Elena has three things as TODOs with the SB updates: (1) Fix sciencebase directed URLs to DOIs [we have spoken about deadlinks in the releases already], (2) Insert some language about the huc12s as consistent with 2017 WBD, and (3) update a new table.

Please comment as needed. I will save this email thread into the fixing directory in the repository.

-wha

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