

June 15, 2016

Tooele 30x60 Prior Remaining Review Comments and Responses

Bob Biek

Add
yr 3
→
Add concealed faults near Antelope Island

Will consider this in final year when evaluate all subsurface data and structure.

How to account for abrupt N end of Oquirrh? Down to the N normal fault that feeds into thrust sidewall ramp?

Will consider this in final year when evaluate all subsurface data and structure.

Filter out more bedding attitudes

Will do in final year and strive for consistency across map.

Add springs for year 1 and 2 area

Done

As mapped, nivation hollow headwalls are much too generous; few of these areas qualify as nivation hollows

I agree, will hit Jack with several Quaternary issues in final year

Qal usage inconsistent across map; typically should not be used for broad low-relief surface (N Tooele Valley), nor for young fans near Tooele

I agree, will hit Jack with several Quaternary issues in final year

Could increase intensity of volcanic unit colors so that they stand out from Cambrian-Ordovic rocks

Will consider in final year

Don't like to see shorelines etched into Holocene units. If shorelines are truly ghosting through Holocene units then should you be mapping Holocene unit? Or could use different shoreline line type to denote shoreline under Holocene unit?

There are a few places where younger alluvium is against Lake Bonneville shorelines, because it has spilled around or over the shoreline benches. I see no problem on a 30x60 and provide explanation in the DMU.

Where Dst not present do you see gravel/sand lag at base of Mdf?

No

Ultimately need to rethink Qla usage, not UGS style and includes too many units. Thinks should be sand and gravel of Bonneville and Provo lake phases.

June 15, 2016

This is a larger conversation with Grant. Jack developed the Q1a unit and it has been used on tens of maps ever since. Keep in mind the Lake "washed over" itself and Jack says differentiating transgressive from regressive deposits can be difficult.

Rethink fault scarps vs lineaments along western Stanbury Mtns

We will look at this location during the field review

No ornamentation on Broad Canyon fault to south

Fault style changes from N to S under a large pile of volcanic rocks. Not sure

Change Qms block at Lake Pt to fault sliver

Done

Remove QTaf surface from west side of Oquirrh Mtns, looks like Qaf0, possibly of 2 levels

Done

Add concealed fault west of Adobe Rock

Will consider this in final year when evaluate all subsurface data and structure.

Trench symbols don't look right

Problems with symbol, will fix in final year

Label major faults and folds on map (since discussed in DMU)

Will add some labels when Basia returns. She is hesitant to do too much as is time consuming.

Include age, fossil and geochem data

Will include in final year

← Add new ones from Bob

Grant Willis

Bingham mine hard to see

Agreed, Basia promises to fix in final year

Drill holes need labels

Final year fix

Symbol sizes too large

Will talk to Basia

Differentiate Qh into categories

Done

June 15, 2016

Nivation symbol kind of meaningless

I agree, will hit Jack with several Quaternary issues in final year

QTaf on opposite sides of fault suggests Oquirrh fault has had almost no offset in 2.6 my

Fixed

Label tiny outcrop on Carrington Island

Done

Stratigraphic nomenclature issue, previously mapped as ... by xxxx (suggest table or correlation chart)

Yes, this is a frustrating issue! I thought was valuable information to keep track of in the text. Will consider a table or correlation chart in final year, but this can get overly complicated quickly.

Wasatch Fm vs. Tso unit, why differentiating these two units?

Following Jon's lead

Do we abandon the term Kessler Canyon Fm?

I have for this map, but not sure if should be abandoned altogether. This is a larger Geolex conversation.