**Map Name**

Should the map be entitled Surficial Geologic Map of Nebraska; rather than Quaternary Geologic Map of Nebraska.

Yes I’ll change this in the name of the project, as well.

**Rainwater Basins**

Make all of the western Rainwater Basin region and most of the eastern Rainwater Basin (i.e. west of the glacial limit) should be mapped as Ql\_a. This area is underlain by Platte River alluvium that is covered by varying thicknesses of late Peoria, Gilman Canyon and Loveland loess and locally eolian sand.

Done – please double check my linework, I generally could follow the geomorph boundary here in the West, and followed the glacial limit in the eastern portion (Ql\_a to the W, Ql to the east) but if you have any changes let’s discuss!

**Todd Valley**

The Todd Valley fill, currently mapped as Qau\_e, should be mapped as Ql\_a. This area is underlain by Platte River alluvium that is covered by varying thicknesses Peoria and Gilman Canyon Formation loess and locally eolian sand.

Done – changed to Ql\_a

**Eastern Platte River valley**

Three Qau\_e units in eastern Platte River valley are loess over alluvium (Ql\_a). Made comments on the map.

Changed to Ql\_a

**Loess East of the Glacial Limit**

Change Pre-Illinoisan till to Ql\_t as this is mostly till under loess cover. T is preferred over g here as most of the glacial seds are till although there are minor deposits of glaciolacustrine and glaciofluvial within it.

Done – changed to Ql\_t

**South Side Niobrara River (Qau\_e and Qai)**

Protracted discussion of two units and whether ages should be switched.

I don’t think we discussed this in the video call.. can address if you feel the need – I changed that Qau\_e to Qe\_a, anyways, with the other suggestions!

**Dissected vs. low relief loess in western NE**

Ql in the panhandle should be Ql\_T to differentiate from more easterly dissected thicker loess.

Done – added a Ql\_T unit

**Terraces in major valleys; consider eliminated Qai and Qao and instead making Qat (alluvial terraces), maybe Qat\_a and Qat\_b.**

North Platte Valley: thin ridges parallel to modern North Platte are Broadwater. Maybe eliminate all Qao in the valley

Merge Qao units mapped in central Platte valley with Qai.

Per video discussion, renamed terraces Qat1 and Qat2 that correspond to old naming convention of Qai and Qao, respectively. In the North Platte Valley, eliminated Qao poly denoted by line\_edits review from Paul, kept the other two and changed to Qat2. In central Platte Valley, renamed to Qat2 instead of fully merging with Qai (Qat1).

**Rename unit Qca in panhandle; should be** T\_Qca

Done – Qca changed to Tca, per video discussion

**Sand Hills Dunes**

**Refer to barchans and barchanoids as just that and drop ‘crescentic’ from the map unit name.**

**Done – also changed labels to drop the ‘c’ for crescentic**

**Pennsylvania/Permian. Change to Upper Pennsylvanian and Lower Permian.**

P changed to **PP** using Penn and Permian official designated characters (double line P for Penn). Matt will review boundaries of the mapping area.