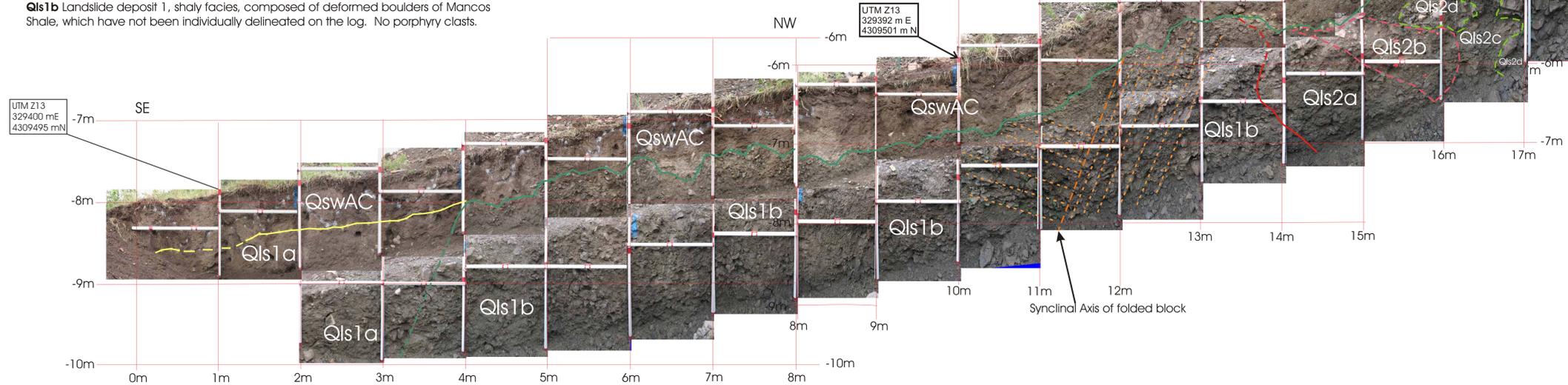


UPPER TRENCH
Log of southwest wall, Sheet 1 of 3 (0-8 m)
Snodgrass Mountain
Crested Butte Mountain Resort
GEO-HAZ Consulting
July, 2007

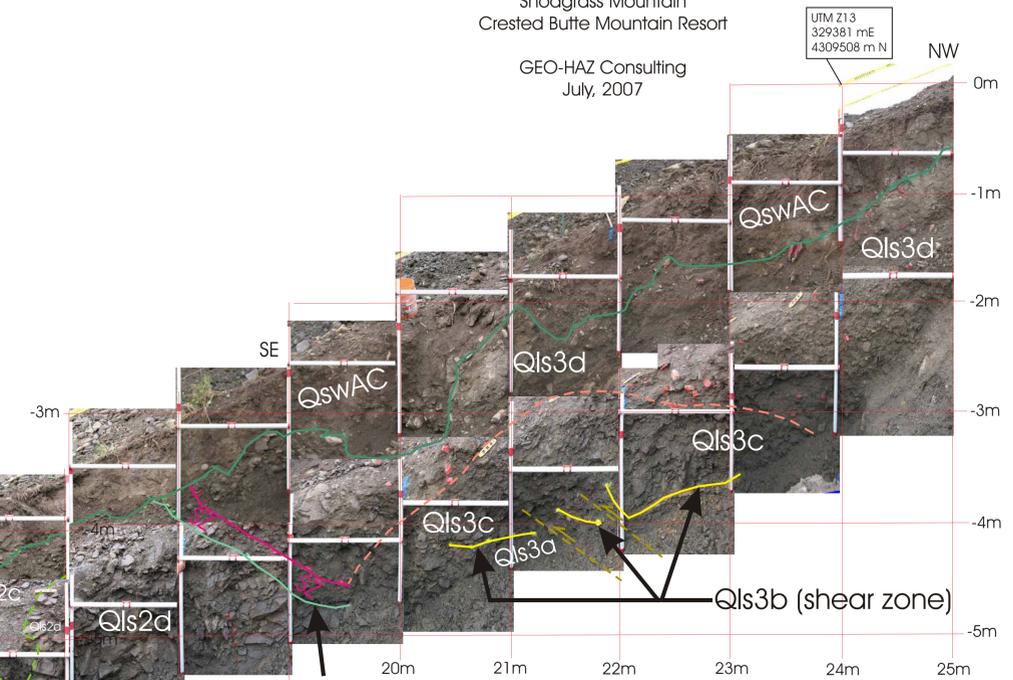
Explanation:
QswAC Slope wash deposit, brown to dark brown, loose to medium dense, gravelly sand to silty sand, contains A horizon organics in upper zone. Note that white paint line delineates the bottom of a zone of loose, bioturbated (highly burrowed) soil. This line was not painted on the remainder of the trench wall since it was not related to landsliding.
Qls1a Landslide deposit 1, mixed clayey and sandy facies, diamicton containing cobble-sized shale and porphyry clasts in a sandy clay matrix.
Qls1b Landslide deposit 1, shaly facies, composed of deformed boulders of Mancos Shale, which have not been individually delineated on the log. No porphyry clasts.

UPPER TRENCH
Log of southwest wall, Sheet 2 of 3
Snodgrass Mountain
Crested Butte Mountain Resort
GEO-HAZ Consulting
July, 2007

QswAC Slopewash Deposit; brown to dark brown, loose to medium dense, gravelly sand to silty sand; contains A horizon organics in upper zone.
Qls1b Landslide Deposit 1; shaly facies; composed mainly of deformed blocks of Mancos Shale, which are generally not individually delineated on the log; within blocks bedding is consistent, but some blocks are folded, such as the one between 10m and 13 m; folding is caused by compressive stresses in the landslide toe thrust zone; deposit contains no porphyry clasts except at extreme SE end of trench.
Qls2d Landslide Deposit 2; megablock facies; composed of two large blocks of Mancos Shale; within each boulder stratification is generally consistent, but may be disrupted by anastomosing bands of crushed shale 0.3-0.5 m thick; some beds exhibit spheroidal weathering.
Qls2c Landslide Deposit 2; shaly facies; a diamicton composed mainly of deformed blocks of Mancos Shale, which have not been individually delineated on the log; contains no porphyry clasts.
Qls2b Landslide Deposit 2; porphyritic facies; a diamicton composed mainly of sandy gravel (cobble and smaller clasts) in a brown sandy matrix; poorly sorted and unstratified.
Qls2a Landslide Deposit 2; shaly facies; composed mainly of deformed blocks of Mancos Shale, which have not been individually delineated on the log; contains no porphyry clasts; the contact of this unit with Landslide Deposit 1 is marked by a solid red line, which outlines a "bulldozer" of Qls2 material that has pushed downslope into Qls1.



UPPER TRENCH
Log of southwest wall, Sheet 3 of 3 (17-25 m)
Snodgrass Mountain
Crested Butte Mountain Resort
GEO-HAZ Consulting
July, 2007



SZ Shear Zone; Strike N70E, Dip 20-30N; shallower dip at floor of the trench, steepens as shear zone pushed into unit Qls2d. Loose matrix with oriented shale clasts.

Explanation:
QswAC Slope wash deposit, brown to dark brown, loose to medium dense, gravelly sand to silty sand, contains A horizon organics in upper zone.
Qls2d Landslide deposit 2; shaly facies; a diamicton composed mainly of deformed blocks of Mancos Shale; within each boulder stratification is generally consistent, but may be disrupted by anastomosing bands of crushed shale 0.3-0.5 m thick; some beds exhibit spheroidal weathering.
Qls3a Landslide deposit 3; dark gray, relatively intact Mancos Shale, with distinct bedding.
Qls3b Shear zone; orange clay, approximately 1.5 inches thick. Strike N30W, Dip 45NE.
Qls3c Landslide deposit 3; clayey facies; a diamicton composed of Mancos Shale rubble. No porphyry clasts.
Qls3d Landslide deposit 3; clayey and sandy facies; a diamicton containing cobble-sized shale and porphyry clasts in a sandy clay matrix.