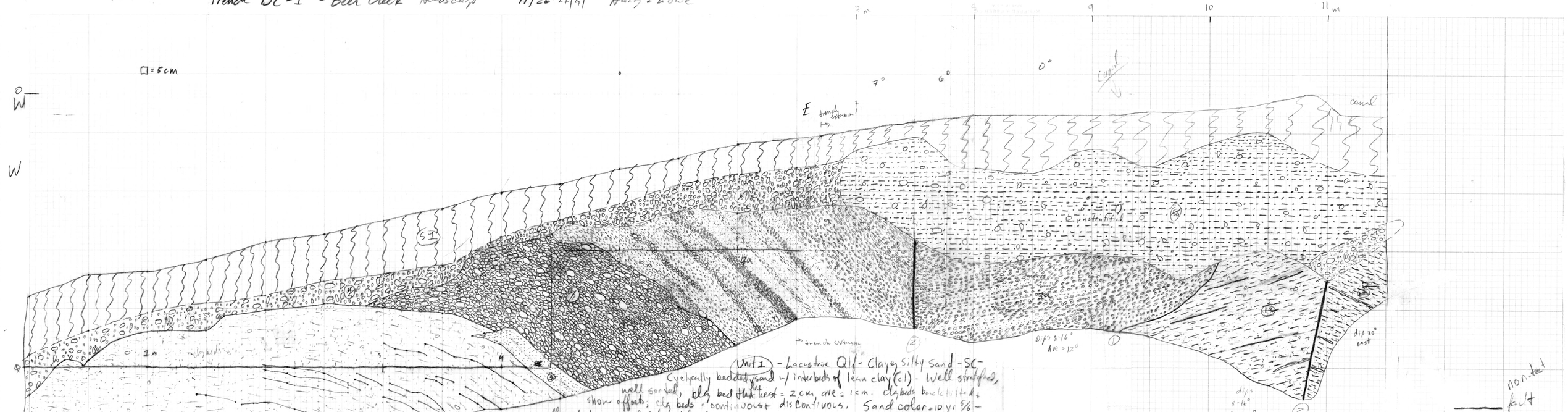
Trench BC-1 - Beer Creek "Headscarp" 11/26-27/91 Harty + Lowe



Unit 1 - Lacustrine Qlf - Clayey Silty Sand - SC - Cyclically bedded sand w/ interbeds of lean clay (cl) - Well stratified, well sorted, clay bed thickest = 2 cm, ave = 1 cm. Clay beds backtilted + show offsets; clay beds = continuous + discontinuous. Sand color = 10 yr 5/6 - yellowish brown -; clay beds = diff. colors = 10 yr 6/4 - Light yellowish brown; contains clay pebbles > = 5 cm; ave. = 3 cm. red beds, color = 5 yr 5/8 - yellowish red.; sand fizzes furiously 10% HCL, contains occasional well rounded

Unit 2 - Lacustrine - Qls - SW - Well-graded sand - stratified grades upward to mostly fine sand, mostly medium sand at base. Medium sand at base color = 2.5 y 5/4 - light olive brown; fine sand at top = 2.5 y 6/4 light yellowish brown. Fizzes moderately; contains a few isolated pods of iron stains. Sand dips 39°.

Unit 3 - Lacustrine Qlg -; Gravel with silty sand - Overall unit = well graded, but consists of poorly-graded gravels (gap-graded); gravel = well rounded - largest = ≤ 12 cm; Ave size gravel = 4 cm, dip range 34-46°; fizzes furiously; Color of matrix = 10 yr 6/4 light yellowish brown. CaCO3 rinds on bottom of many cobbles. (Stage ___).

Unit 3a Lacustrine, Qlg - Unit of smaller sized gravel in poorly-graded beds like unit 3. Largest cobble = 8 cm, Ave = 1.5 cm; Gap-graded - Gravel with sand - sand = all ranges down to fine. Clast-supported - color impossible - dip to 46° stage to east. 2.5 yr 6/4 - light yellowish brown (matrix); fizzes furiously; (drawn in cobbles layers of 5-6 cm size cobbles). CaCO3 on bottom of pebbles.

SI - Modern Soil Colluvium developed on Unit 4 - See Unit 4 description - fizzes furiously; color = 10 yr 5/2 - grayish brown - CaCO3 on bottom of some cobbles (not all).
- A horizon - - gravel not backtilted.

Unit 6 Colluvium - Qc - Derived fr. gravel (Qlg); clast + matrix - supported; Clay Silty Gravel w/ Sand - G - see Unit 3 descr. for cobble sizes; fizzes furiously - well-graded throughout - poorly stratified; Color ~~upslope (above 15 m)~~ = 10 yr 5/4 - yellowish brown, ~~[illegible]~~