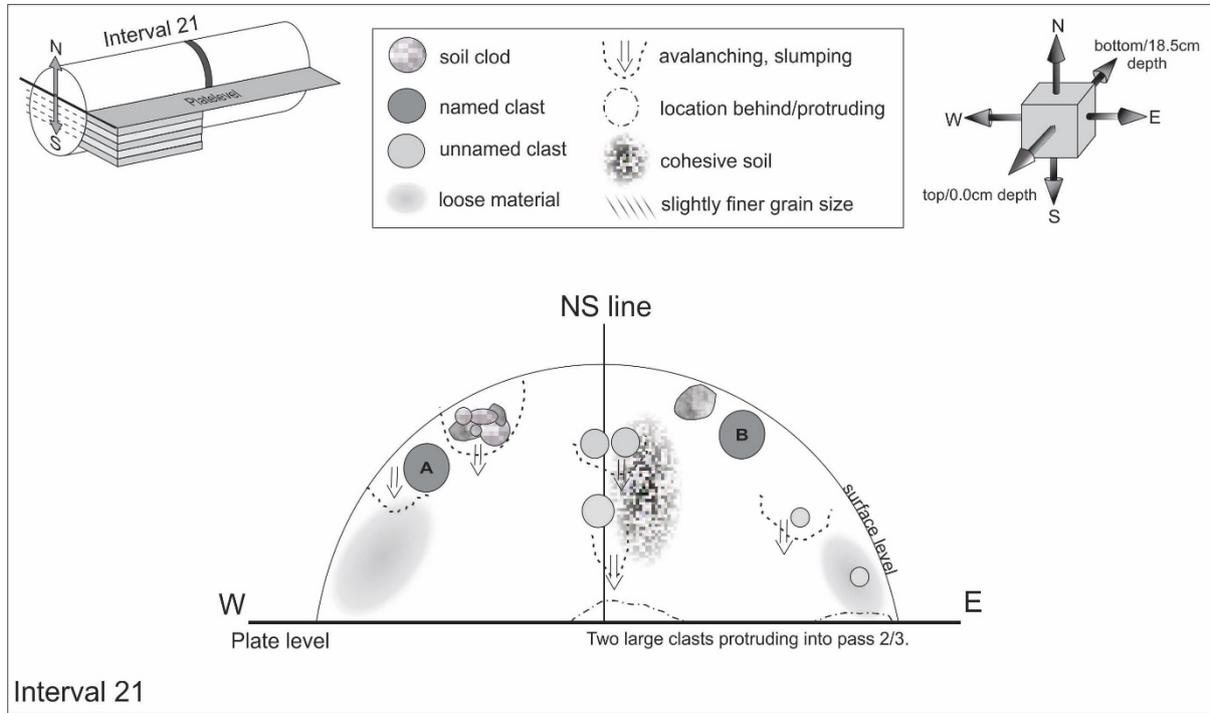


01.28.2020 afternoon

Pass 1 Interval 21 Interval-Range: 8.5 – 8.0 cm Core depth: 10.0 – 10.5 cm (below surface)

People present in lab: Andrea, Charis, Juliane, Natalie, Cato



Marking interval boundaries (#6927); Potential clast at East tip (felt something hard), below surface, moved slightly during marking; void space around the eastern tip.

N-W:

Starting to scoop at western tip. Very loose soil. Soil particles are very fine, with exception of some small (~1mm, or less) clasts/clods. Clast A (~5mm) at WNW at 1-2mm below surface layer, came out with material that collapsed at ~8.5cm interval (#6934, 6938, 6941). Angular in shape.

Collapsing material WNW. No change in color since the last few intervals (i.e. homogenous in color for the last few cm). At NS-line 2 small clasts came out with collapsing material. A shiny particle can be seen here. Large clod NNW at 8cm mark at surface layer fell out (#6992). At NS-line few mm below surface small clast encountered. All clasts so far look light in color. But they are all very dusty.

Going from W over the center to E the soil is very loose at W and E but in the middle/center/NS-line slightly more cohesive. East of NS-line at surface layer, large clod encountered, which held a clast inside.

N-E:

Started scooping from Eastern tip. Very loose soil. Something dark with clodded material came out, few mm below surface layer at ENE → little agglutinate, black in color (#7037).

Something big is under the surface at Eastern corner at 8.2cm, just inside the eastern tip. Goes from 8.9 to 8.2cm and seems to angle towards to the next interval.

Bulge (clast under the surface) at the NS-line at plate level slightly east of NS-line, seems to range from 9.7cm to 8.9cm

Scooping around clast B at NNE at surface layer, clast B falls out. Long axis was vertical to core, oriented NNE (#7093, 7095, 7103). Orientation was lost because it dropped into Al-cup. Material keeps collapsing during clean-up.

N-W:

Cleaning up material that collapsed from NS-line during scooping on E side. All very loose.

Sieving:

Each clast (A and B) was sieved individually and then placed Al-cups (Clast B: #7148).

Next soil was sieved, it is somewhat sticky but as easy as interval 20. A little jumping → static; (#7152, 7167).

Tapping of clasts in sieve to determine soil clods. Then transfer of clasts into Teflon lid with tweezers. Sort into fraction, added clast A and B.

Full core with colored bar recorded (#7267, 7211, 7228, 7185, 7234, 7239, 7187)

4-10 fraction: Clast A and B both subangular in shape and rectangular-ish, light gray in color, clast B has some white spots.

Clasts: 2-4 fraction: majority is subangular, some sub-rounded, one black sharp very angular clasts = agglutinate; some have black spots/coating

1-2 fraction: mixture of sub-rounded and sub-angular, light gray, one white elongated clast, some slightly darker, some have black spots/maybe some glassy coating

SAMPLE INFO (#7246, 7197)

Fraction (mm)	Particles (n)	Mass (g)	Container #	Gross-weight
>10	-	-		
4-10	2	0.183 (calc)	9_22590	
2-4	11	0.152	9_22591	16.526
1-2	22	0.092	9_22592	16.111
<1 fines		1.810 (calc)	9_22589	17.872

Fraction	Name	Mass (g)
4-10	Clast A	0.082
4-10	Clast B	0.101

