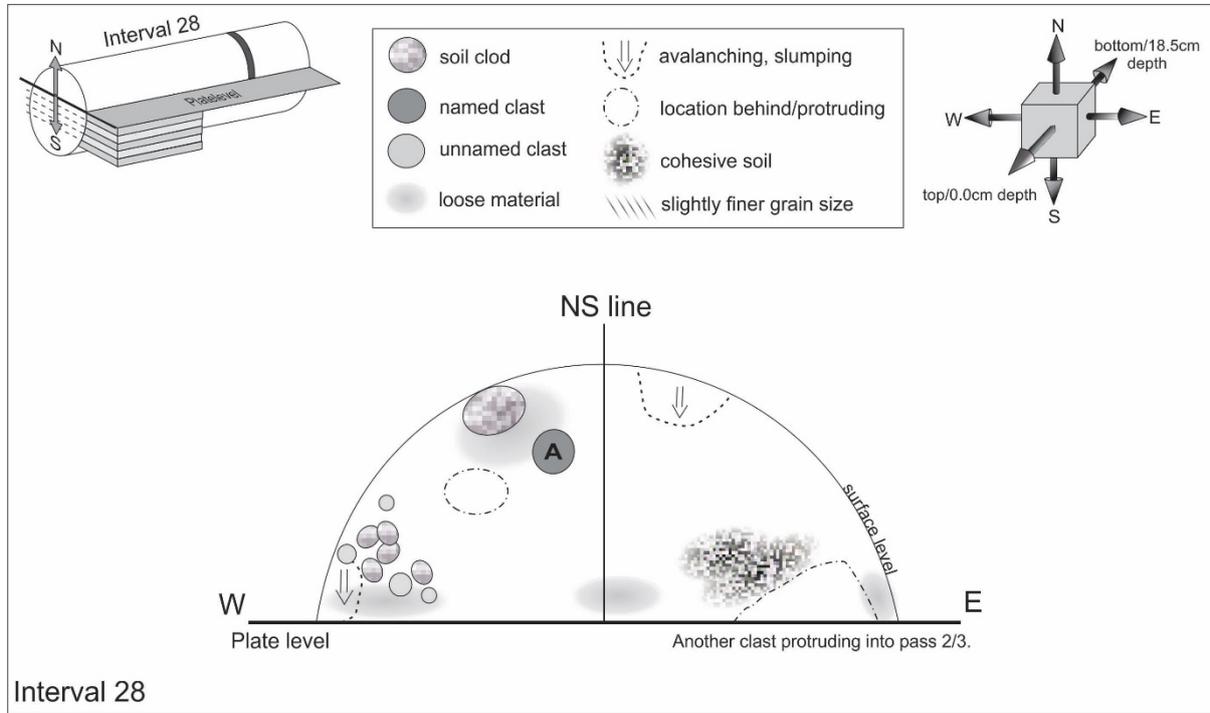


02.12.2020 afternoon

Pass 1 Interval 28 Interval-Range: 5.0-4.5 cm Core depth: 13.5 – 14.0 cm (below surface)

People present in lab: Charis, Juliane, Andrea, Michelle, James



During marking interval boundaries (#8790): W to N, something big under the surface at W of NS-line, extends through the whole interval (was clod). E to N marking, caving and collapsing during marking E of NS-line. All very loose, same as interval 27.

N-W:

Started scooping at Western tip, moving towards N, just as loose as previous interval. Lots of clods like interval 27 on W side. Small clasts 102mm fraction here.

As moving E, one quarter into E the soil becomes more cohesive at plate level: still loose soil but requires more digging.

Clod falls from W of NS-line, material around it is very loose (#8798, 8801). NS-line material also very loose. Past NS-line (just E of it) caving of surface. Clast fell from at the surface (~5mm in size) = Clast A from 5.0-4.5cm core length (#8826). Placed in Al-cup with tweezers, measured on scale of plate level (#8828).

Large clast/clod revealing about 5mm from surface down, extends into next interval, thus working around it. E of NS-line at plate level encountered the BASC, scooping around it.

N-E:

Started scooping from Eastern tip. Very loose soil, same as W tip. 1-2mm below surface extension of BASC was encountered at ENE, extends through whole interval into next one (at least). Very consolidated (didn't move while wacking it! With spatula). Worked around it and scooped material above it to finish interval. BASC is wedge shaped, steep sided near the eastern tip. 1-3mm from Eastern tip surface (#8844, 8851).

Sieving:

Clast A was sieved individually and then placed in Al-cup then weight.

Soil was sieved, it is very easy, not sticky, very similar to 26 (#8872, 8877).

Tapping of clasts with tweezers in sieve to determine if soil clods. Then transfer of clasts into Teflon lid with tweezers. Sorted into fraction. Many of 1-2mm clasts are rounded and difficult to pick up with tweezers.

Full core with colored bar recorded (#8889, 8912, 8917, 8953, 8960, 9002)

During cabinet sweeping and cleaning, while tapping out the tray, the vibration of the tapping dislodged the large clast that extended into next interval. It fell out. Left there for tomorrow am (#9013, 9015).

Clasts: all clasts are pretty gray overall, not much variation

4-10 fraction: clast A is subangular to subrounded; triangular in shape with one side rounded and the other two sharp edged. One side looks fractured, material seems to have broken off sharply.

2-4 fraction: rounded mostly, one clast is more angular with some dark patches/black coating. Irregular in shape but long aspect ratio (elongated) clast that also has black coating (=agglutinate?)

1-2 fraction: rounded and difficult to pick up with tweezers. One is vert dark and irregular in shape (=aggluninate?). A few other clasts have dark patches/black coating.

SAMPLE INFO (#8923, 8925, 8930, 8933, 8937, 8970, 8973, 8984, 8964, 8981)

Fraction (mm)	Particles (n)	Mass (g)	Container #	Gross-weight
>10	-	-		
4-10	1 (A)	0.045	9_22616	
2-4	13	0.120	9_22617	16.150
1-2	21	0.059	9_22618	16.039
<1 fines		1.857 (calc)	9_22615	18.102