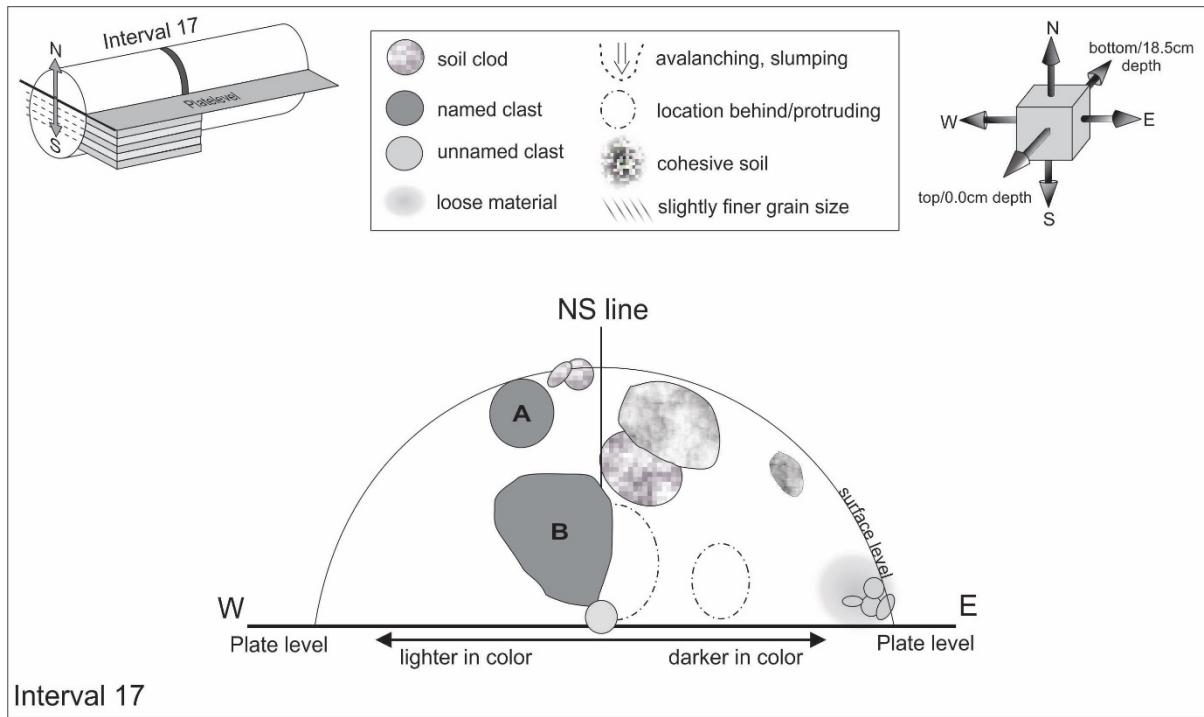


01.16.2020 Afternoon

Pass 1 Interval 17 Interval-Range: 10.5 to 10.0 cm Core depth: 8.0 – 8.5 cm (below surface)

People present in lab: Andrea, Charis, Danielle, Mason



Clast A was sitting in Al-cup (that fell out during interval 16 see 16 document).

The large clast/clod that was encountered in interval 16 that is located in NE at N-surface, hasn't moved position, no slumping occurred since last interval dissection. Later turned out to be a clod. Will be referred to as clod from here on (#6233, 6234, 6239, 6247).

Marking interval boundary. During marking clast/clod was felt right below the surface at NNW. Might encounter in next interval, not quite clear where it really is, could also have been clast B.

N-W:

Scooping starts at W corner. Fine grained like last interval, relatively cohesive. Few clods at N-surface at NW towards 10.5cm. Large clast was encountered after part of W edge was scooped up. Clast starts at 10.5cm goes into next interval to ~9.8cm. W of NS line, 1-2mm below N-surface, to 1-2mm above plate level = Clast B. Has a flat face at a 45degree angle and sitting SW of large overhanging clod that was encountered last interval (16). Scooping around clast B for now (#6262, 6264, 6265, 6266).

N-E:

Scooping from E corner moving towards the two large clasts (Clast B and previous interval clod). Soil here on E side/corner is darker than on the W side, same grain sizes = fine grained. Couple of small 2-4mm clasts came out from E corner. Soil is much less cohesive and much looser than W side.

Very hard clod came out from NE from N-surface. Harder than any other clods encountered so far. Broke in dust pan (#6272, 6273).

In general, small clasts and clods were found and collected in dust pan. One of them broke and revealed a glassy, black, shiny glass clast (agglutinate?) (#6277-pointed at with spatula).

Another clast/clod was encountered in the NE, SW of large clod from interval 16. Intrudes into next interval (18), and thus was left in place and worked around.

Material underneath the clod is dark and very loose.

Clod from interval 16 was removed (10.7/10.8 to 10.1/10.2cm) (#6282). Located E of NS line, reached 2-3mm above plate level all the way up to N-surface. Broke up during grabbing with tweezers, all pieces were scooped up and placed in dust pan (#6283-6284). This action exposed the large clast/clod for next interval even more (#6289, 6294).

Soil lightens in color moving W-ward with no clear boundary (gradual change in color).

N-W:

Clast B removed with tweezers (#6299, 6301). Orientation recorded in Teflon lid by propping it up on Al-foil. Clast is darker gray (#6309, 6312, 6313, 6314, 6316, 6318, 6321).

Continue scooping around uncovered clast/clod for interval 18. Seems to extent to 9.8cm (#6331).

Then all clasts were sieved individually and then dust pan soil. Fines were stickier than intervals 15 and 16.

SAMPLE INFO (#6340, 6341, 6343, 6344; lights off: 6355, 6356, 6358, 6359, 6361)

Fraction (mm)	Particles (n)	Mass (g)	Container #	Gross-weight
>10	-	-		
4-10	2	0.466 (calc)	9_22576	
2-4	6	0.085	9_22577	16.266
1-2	17	0.057	9_22578	16.020
<1 fines		1.607	9_22575	17.536

Fraction	Name	Mass (g)
4-10	Clast A	0.082
4-10	Clast B	0.384

Full core imaged with colored bar (#6633, 6336, 6438, 6350, 6353)