

11/23/2020 afternoon

Pass 2; Core 73002; Interval 6; Interval-Range: 16.0 – 15.5 cm ; Core depth: 2.5cm -3.0cm (below surface)

People present in lab: Charis, Juliane

Begin with marking interval boundaries for interval 6, marking E-edge, more collapsed into interval 7.

N-W:

Started scooping at Western edge, very loose and collapsing. Lots of 2-4mm clasts and colds in there, soil is darker beneath surface level but not as dark as on E-side. Soil just crumbles as soon as spatula comes near it (#0417). Clast fell almost from interval 7 already, light colored, about 1/4th into NS-line, from surface level (clast is 2-4mm).

NS-line a bit more coherent, but not much, pushing past it towards E, it gets very loose again. 1/4th left to reach E-side, it collapses again, but more white speckles and white clasts in soil. Soil got darker from NS-line towards E. At E-edge at plate level huge clast came out = clast A (#418). Soils is darker and finer grained going towards plate level, but at E-edge lots of white speckled/clasts. E-edge/wall collapsed but soil was consistently darker and finer grained and a tiny bit more coherent than w-edge/wall. While on W-side we had a good mix of white and dark grains and clasts, and mix of grain sizes as well from coarse to fine, on E-edge is consistently dark and fine grained.

Sieving:

Clast A sieved, picked up with tweezers and put in Al-cup. The fines were sieved after, very loose, just falling through easy, very little clinging to side walls. Lots of clasts again, lots of different sizes too, not too many clods this time. Some are quite white others really dark/black. Some of the clods when broken apart where really dark materials, darker then the soil.

Tapping of clasts with tweezers in sieve to determine if soil clods. Then transfer of clasts into Teflon lid with tweezers. Sorted into fraction.

Full core with colored bar recorded (#420, 441, 446, 447, 449, 451)

Clasts:

4-10 fraction: Clast A: chunky and boxy, dark gray. Clast B subrounded lighter gray

2-4 fraction: very edgy, two clasts have white patches, 5-ish clasts are very dark gray, the rest is gray

1-2 fraction: few agglutinates, few dark gray clasts, the rest is ligther gray

SAMPLE INFO (# 422, 424, 426, 427, 429-432, 435-437, 439, 440)

Fraction (mm)	Particles (n)	Mass (g)	Container #	Gross-weight (g)	New generic (73002,xxx)
>10	-	-			
4-10	2	0.148 (calc)	9_22674		,1021
2-4	11	0.133	9_22675	16.209	,1022
1-2	29	0.092	9_22676	16.200	,1023
<1	fines	2.639 (calc)	9_22673	18.677	,1020

Fraction (mm)	Clast Name	Mass (g)
4-10	A	0.123
4-10	B	0.025