

12/15/2020

Core 73002; Pass 2; Interval 30; Range: 4.0 to 3.5 cm (= core depth of 14.5 to 15.0 cm)

Charis, Juliane, Andrea

Marking interval boundaries: Something can be felt on under the surface level close to the E-edge.

N-W:

W-side, soil come apart either as chunks or is very loose and collapses. Soil seems more fine grained compared to last interval. Moving away from edge it becomes a little bit more cohesive. Soil at surface level and behind and right below clods is more cohesive but going towards plate level soil becomes looser again. It seems to go from chunky to lose to chunky again back and forth, the chunky soil is slightly more coherent.

NS-line is the same, it comes apart as chunks and clumps at surface level (=slightly more cohesive) and below that it becomes loose again. Grain size is now a mix of fine and coarse. Clast A fell W of NS-line half way between surface level and plate level. Soil behind SBAC-P1 is a bit more cohesive but still loose but more compact (#1333), clast right underneath surface and behind SBAC-P1 (#1333, 1334, 1335).

N-E:

Three super dense clods at the E-edge, the one at plate level is the clast/clod that protruded from last interval (29) into this interval. All three are very dense. Soil below these clods is very loose again. Clast B encountered at surface level between NS-line and E-wall, but closer to E-wall, it sits right behind SBAC-P1, and is about to roll out. Probably what we felt during marking. Soil underneath clast B is very loose.

Sieving:

Clast A+B sieved individually, poked, and placed into Al-cup with tweezers and weighed.

Soil was sieved, going through sieve super easy, not sticky at all. Lots more clasts it seems like. Tapping of clasts with tweezers in sieve to determine if soil clods. Clasts transferred onto Teflon lid with tweezers. Sorted into fraction. Then clasts transferred into container (or Al-cups if named clasts) and weighed.

Full core with colored bar recorded (# 1338, 1357, 1360, 1364-1366, 1368, 1371, 1373, 1374)

Clasts:

4-10 fraction: Clast A: small and edgy, Clast B is very rounded

2-4 fraction: mostly edgy, a few very dark clasts

1-2 fraction: mostly edgy, one very white clast, a few very dark clasts, some have black patches

SAMPLE INFO (# 1339-1341, 1343-1347, 1351-1353, 1355, 1356)

Fraction (mm)	Particles (n)	Mass (g)	Container #	Gross-weight (g)	New generic (73002,xxxx)
>10	-				
4-10	2	0.277 (calc)	9_22766		,1113
2-4	11	0.132	9_22767	16.329	,1114
1-2	26	0.092	9_22768	16.474	,1115
<1	finest	2.749 (calc)	9_22765	18.463	,1112

Individual > 4mm clasts (named clasts):

Fraction (mm)	Clast Name	Mass (g)
4-10	A	0.055
4-10	B	0.222