

12/15/2020

Core 73002; Pass 2; Interval 29; Range: 4.5 to 4.0 cm (= core depth of 14.0 to 14.5 cm)

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Marking interval boundaries: We are now past SBAC-P1 in marking boundaries, it is still half way protruding into the cross section wall but not sticking into surface level anymore, thus it doesn't interfere with marking the interval boundaries anymore. Something can be felt on W-side at surface level during marking (#1293).

N-W:

Starting with clean up collapse between W and NS-side from collapse during last interval. Moving to W-edge, soil is very loose here, and collapsing. Soil has mixed grain sizes fine to coarse. Clast A rolled out (~6 mm) from surface level close to W-wall, a few mm into NS-line direction. Placed in Al-cup.

Going towards NS-line soil becomes slightly more cohesive. Soil comes apart more as clods and chunks rather than collapsing. But the grain size remains the same mix, just more cohesive than the last two intervals.

Carefully scraping around SBAC-P1, which does not protrude into the next interval anymore (# 1294, 1296).

N-E:

Cleaning up E-edge, a large clod collapses during that process. Soil here is very loose, not cohesive anymore on the E-side. Grain sizes are mixed. Clast protrudes at plate level at E-edge into interval 30 (#1299)

Sieving:

Clast A sieved, poked, and placed back into Al-cup with tweezers and weighed.

Soil was sieved, going through sieve super easy, not sticky at all. Tapping of clasts with tweezers in sieve to determine if soil clods. Clasts transferred onto Teflon lid with tweezers. Seems to have a few more bigger clasts than previous interval. Sorted into fraction. Then clasts transferred into container (or Al-cups if named clasts) and weighed.

Full core with colored bar recorded (# 1297, 1298, 1317, 1320, 1321, 1323, 1324, 1326, 132-1329)

Clasts:

4-10 fraction: Clast A: subrounded with one side being straight, light gray

2-4 fraction: edgy, two of the clasts are black and gray checkered

1-2 fraction: subrounded to edgy, a few clast have black patches, one clast is light gray, the rest is gray.

SAMPLE INFO (# 1301-1303, 1305, 1309, 1311, 1312, 1314, 1316)

Fraction (mm)	Particles (n)	Mass (g)	Container #	Gross-weight (g)	New generic (73002,xxxx)
>10	-				
4-10	1	0.119	9_22762		,1109
2-4	6	0.101	9_22763	16.428	,1110
1-2	19	0.071	9_22764	16.160	,1111
<1	fines	1.791 (calc)	9_22761	18.004	,1108

Individual > 4mm clasts (named clasts):

Fraction (mm)	Clast Name	Mass (g)
4-10	A	0.119