

12/01/2020

Core 73002; Pass 2; Interval 12; Range: 13.0 to 12.5 cm (= core depth of 5.5 to 6.0 cm)

Charis, Juliane

Marking interval boundaries: uneventful from W to E

N-W:

W-wall collapsed yesterday, cleaning up the material now. Clast A was found in that collapsed material. Soil very loos, wall and surface keeps collapsing, light in color, mix of coarse and fine grained material.

Approaching NS-line, soil is getting darker, this darker material is finer grained but contains larger white grains. Collapse E of NS-line revealed Clast B (#664). Material is very loose still. Soil is getting darker the further E we go. Still loose but way less white colored clasts now. Material behind BAC3 is very dark (#686). BAC3 moves slightly every time we are near it and scraping off material of it and around it. Clast C is right above BAC3 (#665). BAC3 ends in this interval (does not extend into next).

N-E:

E-wall cracked, and might slump down soon (#666). Clast D found at plate level at E-edge wall, E of BAC3. E-edge collapses as feared and collapsed into interval 13. Grain size at E-wall is very fine but still loose and collapsing. E side is darker than W side.

Sieving:

Clast A-D sieved individually. After sieving picked up with tweezers and placed into Al-cup.

Soil was sieved, loose, falling through sieve easily, only very slightly sticky similar to last interval (interval 11), lots of clasts with a variety of gray scale colors from black to white and everything in between. Tapping of clasts with tweezers in sieve to determine if soil clods. Remaining clasts transferred into Teflon lid with tweezers. Sorted into fraction. Transferred clast A-C from Al-cups into Teflon disk. Then clasts transferred into container (or Al-cups for named clasts) and weighed.

Full core with colored bar recorded (#668, 685, 686, 687, 689, 691)

Clasts:

4-10 fraction: 5 clasts; Clast A:

2-4 fraction:

1-2 fraction:

SAMPLE INFO (# 670, 671, 673, 674, 675, 676, 678, 680, 683)

Fraction (mm)	Particles (n)	Mass (g)	Container #	Gross-weight (g)	New generic (73002,xxxx)
>10	-				
4-10	5	0.256 (calc)	9_22698		,1045
2-4	14	0.140	9_22699	16.023	,1046
1-2	38	0.127	9_22670	16.451	,1047
<1	fines	2.689 (calc)	9_22697	18.821	,1044

Individual > 4mm clasts (named clasts):

Fraction (mm)	Clast Name	Mass (g)
4-10	A	0.046
4-10	B	0.077
4-10	C	0.074
4-10	D	0.032
4-10	E	0.027