

12/03/2020

Core 73002; Pass 2; Interval 21; Range: 8.5 to 8.0 cm (= core depth of 9.0 to 9.5 cm)

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Marking interval boundaries: marking on the E side triggered the protruding clast/clod to fall (#978).

N-W:

Starting at W-edge, clast fell off from the W-wall that protruded from the last interval into this interval. It is flat like a pancake = Clast A (10mm exactly so still in the 4-10mm fraction).

Soil is light in color and more cohesive than previous W-walls have been but still collapsing. The further towards the bottom of the core we get (further towards interval 22) the more cohesive the soil gets.

W-wall of interval 22 just collapsed.

NS-line and further going E past NS-line the less cohesive the soil becomes. Very loose at surface level, slightly more cohesive underneath towards plate level but at the NS-line and going E overall more loose.

Something can be felt E of the NS-line that protrudes from Pass 3 into this pass at plate level that continues to protrude into interval 22 (at plate level). Soil is very loose on top of this clast as well as very loose at plate level on the E-side of this clast. This clast could be the beginning of BAC#1 that we encountered in Pass 1 (#979, 980).

N-E:

Cleaning up E-edge collapse that happened during last interval dissection. Large clast that protruded pulling out with tweezers (# 984) , it has an orientation that we can record. Transferred to Teflon disk for imaging, then transferred to Al-cup. It is >10mm = Clast A in the >10mm fraction. Cleaning up E-side, no more dark soil and grain size is a mix of fine and coarse just like the W-side.

Sieving:

Clast A in both size fractions sieved and poked with tweezers individually. After sieving picked up with tweezers and placed into Al-cup and weighed.

Soil was sieved, very sticky almost feels like it is wet. Tapping of clasts with tweezers in sieve to determine if soil clods. Clasts transferred into Teflon lid with tweezers. Sorted into fraction. Transferred named clast 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 (# 990, 1007, 1008, 1010, 1015, 1018, 1019)

Clast A orientation #986 - 989

Clasts:

>10 fraction: 1 clast: Clast A oval shaped, very dusty, rounded, light gray

4-10 fraction: 1 clasts; Clast A: flat like a pancake, but kinda like a half Moon, light gray on surface but a piece broke off and the interior is very dark gray/black.

2-4 fraction: mostly rounded, two clasts are back and white checkered.

1-2 fraction: most clasts are edgy, a few very dark clasts, two are very light gray, the rest is gray

SAMPLE INFO (# 991 – 997, 999 – 1001, 1003-1006)

Fraction (mm)	Particles (n)	Mass (g)	Container #	Gross-weight (g)	New generic (73002,xxxx)
>10	1	1.009	9_22733		,1080
4-10	1	0.377	9_22734		,1081
2-4	8	0.111	9_22735	16.063	,1082
1-2	30	0.103	9_22736	16.184	,1083
<1	fines	2.877 (calc)	9_22732	19.042	,1079

Individual > 4mm clasts (named clasts):

Fraction (mm)	Clast Name	Mass (g)
>10	A	1.009
4-10	A	0.377