

12/07/2020

Core 73002; Pass 2; Interval 19; Range: 9.5 to 9.0 cm (= core depth of 9.0 to 9.5 cm)

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Note: Changed out dust pan, scoop, sieve, and brushes

Marking interval boundaries: uneventful.

N-W:

Interval is loose, the next interval (20) is already slightly collapsing (#918), trying to keep soil from next interval separate. Soil on W-edge is light in color, mixed grain sizes from coarse to fine, super loose. Going towards NS-line, no changes. Another large collapse of W-edge occurring, into next interval.

Going past NS-line towards E, soil is a wee bit more coherent.

E-edge is incredibly loose, lots of clods. Large clast that fell during last interval left large cavity surface level between NS-line and E-edge = Clast A >10mm. Something under the surface protruding from Pass 3 into this pass between NS-line and E-edge. E-edge collapsing into next interval (#918).

N-E:

Trying to clean up, E-edge of interval 20 is about to collapse. 4-10mm clast encountered at E-edge 2mm from edge going into the core at plate level at 9.0 cm interval length (#918) = clast A (4-10mm).

Sieving:

>10mm Clast A and 4-10mm clast A sieved individually and poked with tweezers. After sieving picked up with tweezers and placed into Al-cup.

Soil was sieved, slightly sticky but still falling through sieve easily. Clasts breaking easily into smaller size fractions and fines. 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 (#918, 920, 938, 940, 941-943, 945)

Clasts:

>10 mm: 1 clast, Clast A: Kinda like a pear shape, seems to have some vesicles, light gray

4-10 fraction: 1 clasts; Clast A: rounded, light gray

2-4 fraction: mix of edgy and rounded. Two clasts (one large, one small) are black and white checkered, one clast is very dark gray, some have a few black patches

1-2 fraction: larger grains rounded, smaller one more edgy. One clasts has a very white area. A few very dark clasts present.

SAMPLE INFO (# 922, 924, 926, 927, 930-933, 935, 937)

Fraction (mm)	Particles (n)	Mass (g)	Container #	Gross-weight (g)	New generic (73002,xxxx)
>10	1	0.733	9_22725		,1072
4-10	1	0.117	9_22726		,1073
2-4	15	0.187	9_22727	15.983	,1074
1-2	25	0.082	9_22728	16.039	,1075
<1	fines	2.606 (calc)	9_22724	18.642	,1071

Individual > 4mm clasts (named clasts):

Fraction (mm)	Clast Name	Mass (g)
>10	A	0.733
4-10	A	0.117