

12/09/2020

Core 73002; Pass 2; Interval 23; Range: 7.5 to 7.0 cm (= core depth of 11.0 to 11.5 cm)

Charis, Juliane

Marking interval boundaries: marking on the E side was again not really possible as BAC#1P1 is taking up a lot of the E-side surface level. Something can be felt during marking W of NS-line right underneath the surface level (clast/clod?).

N-W:

Starting at W-edge, soil is loose but slightly more cohesive than W-edge of previous interval. Soil is light in color and loose but doesn't fully collapse as before. Grain sizes are mixed from fine and coarse. Large clod encountered half way towards NS-line at surface level, soil keeps collapsing around it. The closer we get towards BAC#1P1 the looser the soil becomes and the more it keeps collapsing. Clast A is discovered W of NS-line at surface level (it is the clast we felt during marking) (#1057). BAC#1P1 has a "shelf" on the W-side that sticks into the W side above plate level (#1059). At NS-line the soil that is being scraped off the top of BAC#1P1 feels very packed and cohesive.

N-E:

The interval markings are almost impossible to see as the guide up to where to scoop.

E-wall fully collapsed, soil here is very loose, much looser than on the W-side.

The soil at plate level sort of underneath BAC#1P1 is packed really well and very fine grained in this area.

Sieving:

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

Soil was sieved, very little soil to be sieved as most of the interval is taken up by BAC#1P1. Slightly more sticky than previous interval. 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. Not many clasts at all.

Full core with colored bar recorded (#1064, 1082 – 1085, 1087-1089)

Clasts:

4-10 fraction: 1 clasts; Clast A: partially rounded and edgy, light gray in color

2-4 fraction: mostly rounded, one elongates, a few edgy clasts, mostly light gray

1-2 fraction: mostly edgy, a few clasts have black/dark patches/coats.

SAMPLE INFO (# 1066, 1067, 1069, 1070, 1071, 1074, 1077, 1079-1081)

Fraction (mm)	Particles (n)	Mass (g)	Container #	Gross-weight (g)	New generic (73002,xxxx)
>10	-				
4-10	1	0.087	9_22741		,1088
2-4	8	0.094	9_22742	16.273	,1089
1-2	14	0.049	9_22743	16.337	,1090
<1	fines	1.504 (calc)	9_22740	17.519	,1087

Individual > 4mm clasts (named clasts):

Fraction (mm)	Clast Name	Mass (g)
4-10	A	0.087