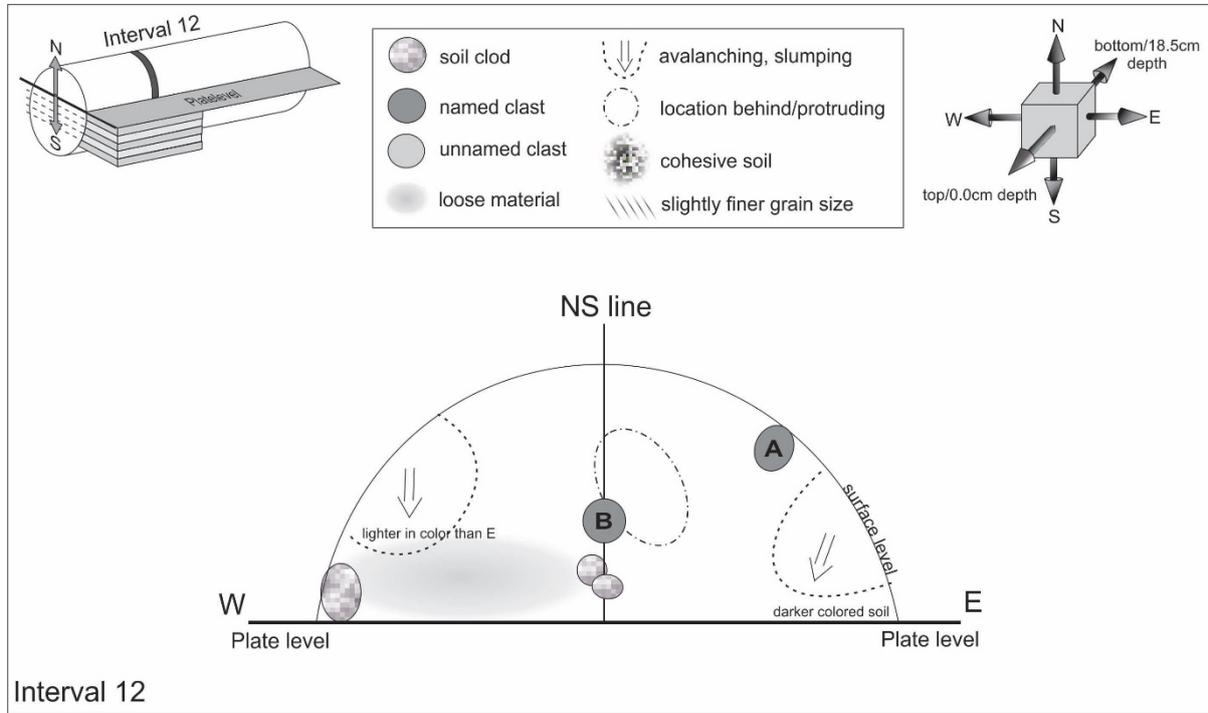


12.19.2019

Pass 1 Interval 12 Interval-Range: 13.0 to 12.5 cm Core depth: 5.5 – 6.0 cm (below surface)

People present in lab: Andrea, Charis, Jess, Zoë, Fran



From interval 11 a dark clast ~4 mm diameter was recovered from 13.0 cm at ENE, extending into interval 12. Clast was retained in Al cup to be included in this interval → Clast A (#4972, 4973).

N-W:

Working from N to W, started dissecting western most margin.

Clod excavated from western tip at 12.8 cm, which is light in color and cohesive but still easily smoothed (#5177).

Avalanche just W of N – soil noted as very loose and light in color.

West side feels more cohesive than for previous intervals.

Avalanche of light colored soil on western flank.

Begin dissecting at N – noted as more cohesive here than at the flanks, consistent with other intervals.

Avalanche of soil and 2 clods fell out from N, ~2 mm up from plate level (#5239).

Two clods are light in color. One is 2-4 mm range (5245), and one is ~4 mm (which becomes clast B). Exact location of where they fell from is 12.7 cm in central part of core.

Clast B image (#5380, 5383).

Still standing on west side, excavate material from N to E, less crumbly here than west side.

Switches backwards and forwards between working N to E and N to W.

N-E:

Charis moves to the E side (5298) after excavating W side to the 12.5 cm interval boundary.

Starts dissecting E limb and notes soil is darker on E side than W side and she starts working around a large feature on the E limb.

Avalanche of soil at which point Charis noted that the soil changed at the E limb to become quite hard similar to earlier eastern intervals.

Avalanche of soil.

Large bulge protruding to 12.9 cm and extends into the next interval towards bottom of the core.

Surrounding soil moves around the bulge when poked.

N-W:

Moves to work on W side to finish clearing up the interval around the bulge (#5357).

Big clod fell just west of N at the 12.5 cm boundary. Clod is light in color and is just under the surface (#5360) → smoothed.

SAMPLE INFO

Fraction (mm)	Particles (n)	Mass (g)
>10	-	-
4-10	2	0.048
2-4	7	0.068
1-2	9	0.027
<1 fines		1.659

Fraction	Name	Mass (g)
4-10	1-12-A	0.010
4-10	B-12-B	0.038

Image(s) of >1 mm clasts for interval 12 (#5413, 5419). Full core imaged with color bar (#5408, 5410, 5425, 5420)