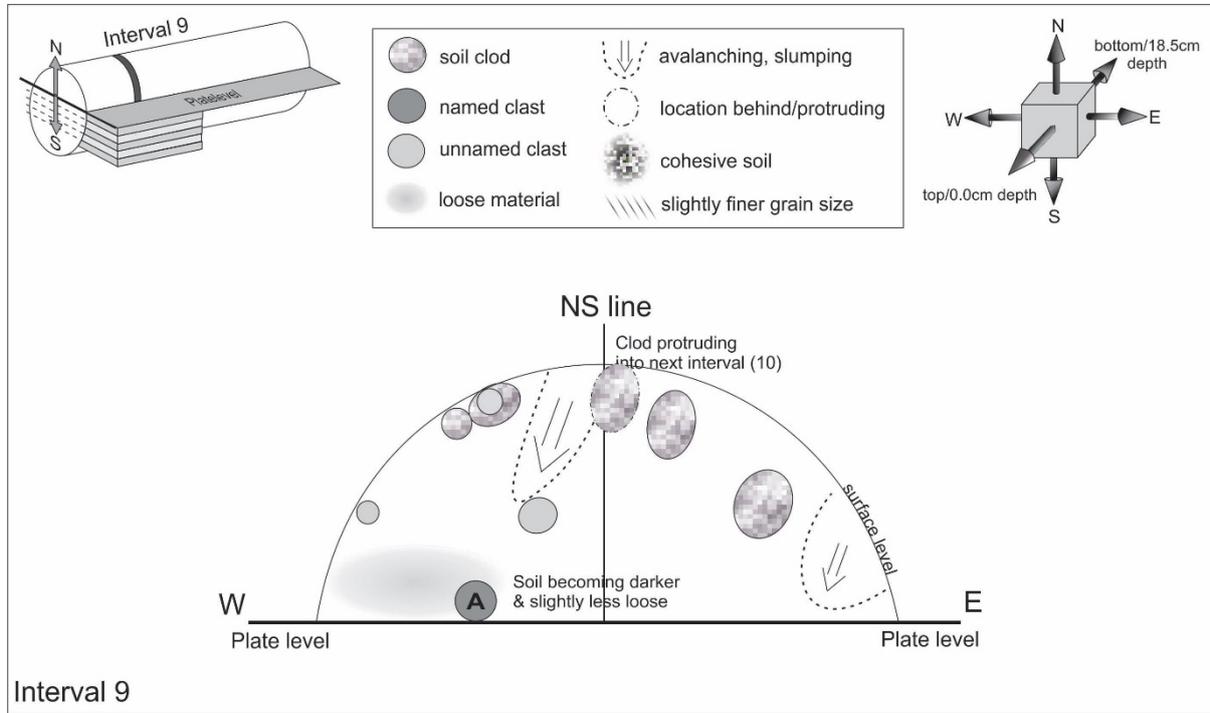


12.17.2019

Pass 1 Interval 9 Interval-Range: 14.5 to 14.0 cm Core depth: 4.0 – 4.5 cm (below surface)

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



Marked boundary for interval 9.

N-W:

Working N-W immediately encountered clod at NWN at the 14.5 cm mark near the surface. Split in two when removed with tweezers to reveal ~3 mm light colored clast.

Resumed working N-W, soil is still loose here but less so than in same region of interval 8. Also darker material here than for interval 8.

Scoping upwards at the NW rim toward west where it is very crumbly.

Scoping from west edge inward to north, a 2 mm light colored clast found at 14.2 cm mark slight west of NW around half way down.

Dislodged a soil clod at N or NW right at the plate boundary between 14.2 to 14.0 cm. Entirely disaggregated on removal (#4122).

Working W to N and scooping upwards, clod found just above plate level at 14.5 to 14.2 cm just W of NW (#4127, 4136, 4137). Soil E of clod is very loose and light in color. Clod disaggregated when picked with tweezers to reveal ~4 mm rounded light colored clast inside → Clast A (#4145, 4373, 4333)

Soil becomes more compact in center near plate boundary. Despite comparatively increased cohesiveness, landslides still occurring.

Avalanche from 13.8 to 14.0 happened, starting slightly west of N at the surface.

Still working from W side, start dissecting E of N scooping upwards where very crumbly material is, which is also light in color.

Charis noted a feature extending from interval 9 into interval 10 just below surface at N.

Just below this feature, avalanche of material occurred. This material fell from interval 10 and was therefore left to be included in next interval. (#4187).

N-E:

Charis switched to work from other side, dissecting east portion. Detected something solid buried at plate level (#4203).

Continued working E to N in loose avalanching material. Noted E side is darker than W side, but equally as loose as W side (#4207).

Dissecting E toward center, encountered large clod between 14.3 and 14.1 cm near surface. (#4223, 4231). Clod fell and broke to reveal internal dark/light layering. Clod felt hard like mud prior to disaggregating under tapping with spatula. Remaining part of soil clod, darker in color, was removed but two light colored clasts were left behind for next interval. Clod when smooshed revealed a small clast inside.

Large clod encountered at NNE extending from 14.5 to 14.1 cm half way up from base plate level. (#4284). Light colored clod from which an agglutinate was separated.

Small avalanche occurred at center of interval but no clods of note revealed.

SAMPLE INFO

Fraction (mm)	Particles (n)	Mass (g)
>10	-	-
4-10	3 (1 of known provenance, clast A)	0.076
2-4	7	0.074
1-2	13	0.041
<1 fines		1.747

Fraction	Name	Mass (g)
4-10	A	0.036
4-10	B	0.033
4-10	unnamed	0.007

Image(s) of >1 mm clasts from interval 9 (#4355, 4362, 4370).

Imaged full core with colored bar (#4356, 4358, 4365, 4365).