THIN SECTION LABEL ID: **401-U1611A-24R-2-W 79/82-TSB-TS#18**

Thin section no.: **18**

Observer: PH/ZL

Thin section summary: Poorly sorted mineral grains, different types of rock fragments, and small amount of biogenic particles floating in a matrix consisting of clays and nannofossils. Little cementation.

Plane-polarized

76548231

Cross-polarized

76548211

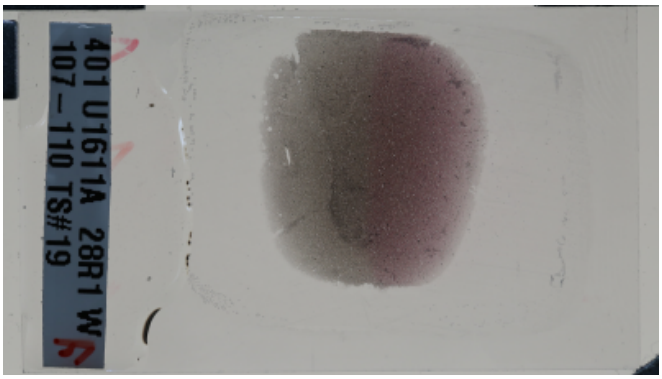
THIN SECTION LABEL ID: **401-U1611A-28R-1-W 107/110-TSB#19-TS#19**

Thin section no.: **19**

Observer: ZL

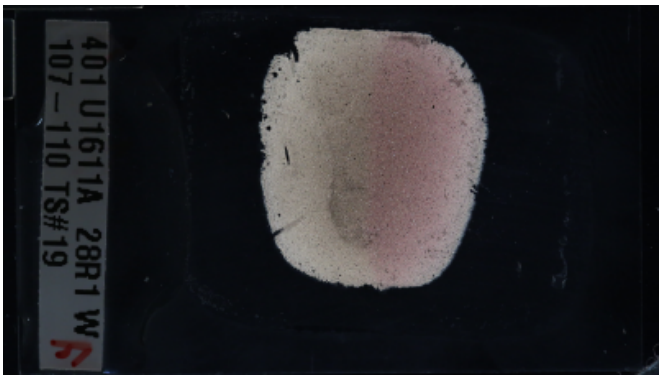
Thin section summary: Silt to fine sand-sized siliciclastic minerals and rock fragments, OM, and a few biogenic particles cemented by (early) diagenetic dolomite.

Plane-polarized



76548171

Cross-polarized



76548191

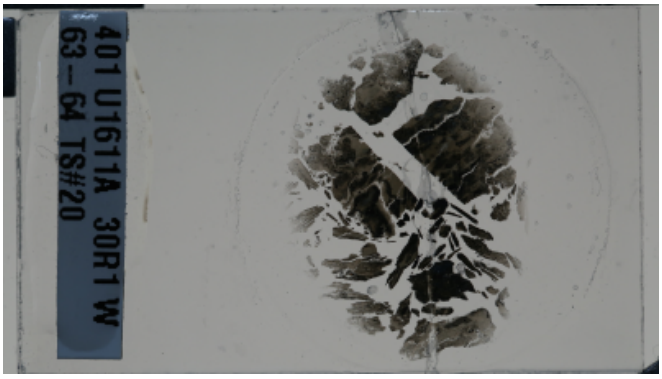
THIN SECTION LABEL ID: **401-U1611A-30R-1-W 63/64-TSB#20-TS#20**

Thin section no.: **20**

Observer: ZL

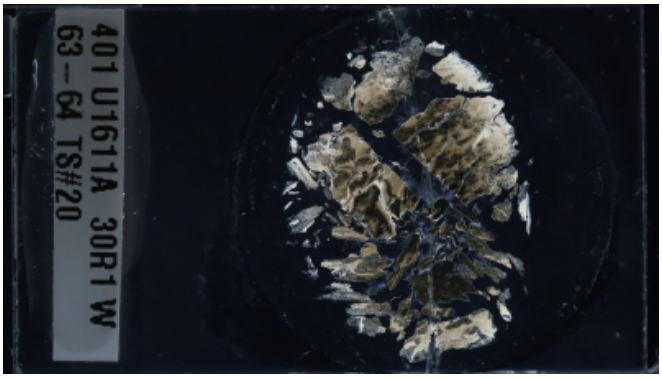
Thin section summary: Aragonite. Light-colored thin laminae. Results in EDS report.

Plane-polarized



76547741

Cross-polarized



76547761

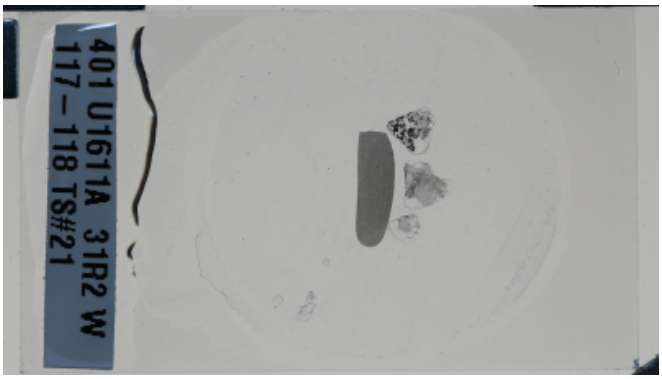
THIN SECTION LABEL ID: **401-U1611A-31R-2-W 117/118-TSB#21-TS#21**

Thin section no.: **21**

Observer: ZL

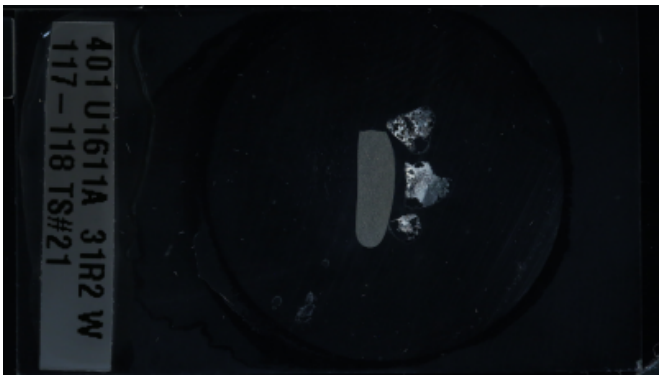
Thin section summary: Light-colored particles are volcanic rock fragments. Dark-colored clasts seem to be shale lithics. Results in EDS report.

Plane-polarized



76547821

Cross-polarized



76547781

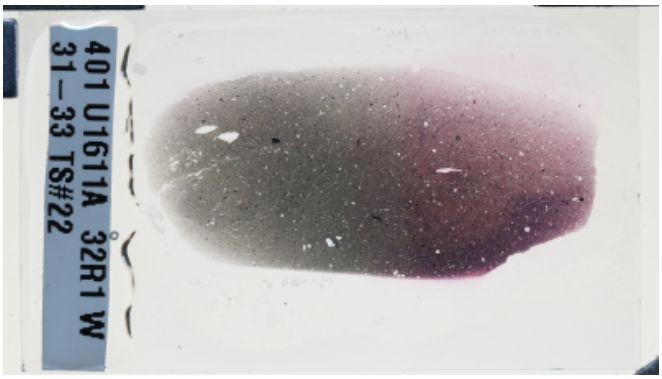
THIN SECTION LABEL ID: **401-U1611A-32R-1-W 31/33-TSB#22-TS#22**

Thin section no.: **22**

Observer: ZL

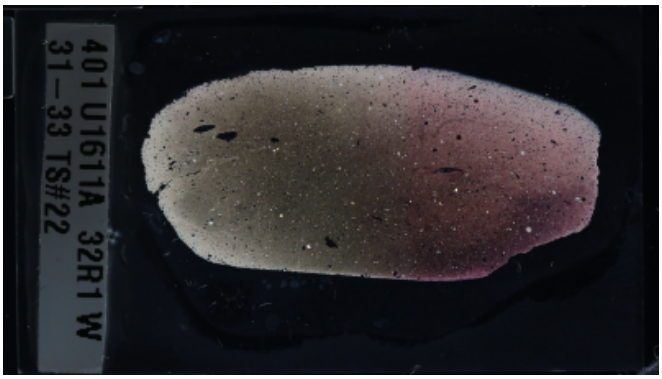
Thin section summary: Silt to fine sand-sized siliciclastic minerals, rock fragments, and OM cemented by (early) diagenetic dolomite.

Plane-polarized



76547871

Cross-polarized



76547941

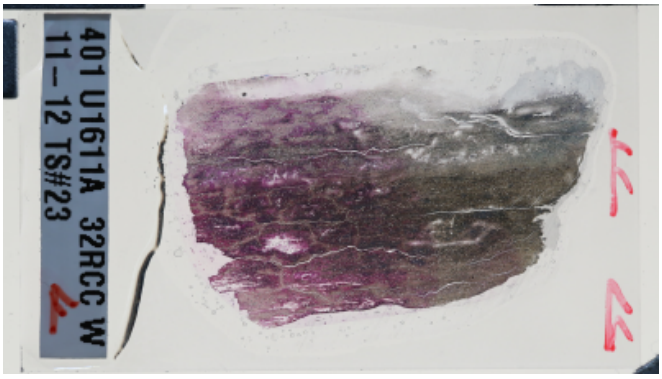
THIN SECTION LABEL ID: **401-U1611A-32R-CC-W 11/12-TSB#23-TS#23**

Thin section no.: **23**

Observer: ZL

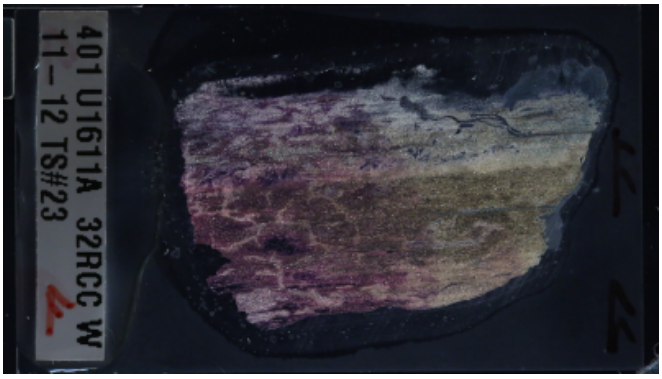
Thin section summary: Silt to fine sand-sized siliciclastic minerals, carbonate particles, and OM dispersed in a fine-grained (calcareous?) matrix. Â¿Vertical variations in silt content, but presumed compositional variability at the lamina-scale on core surface is not really distinct in in the thin section (EDS?).

Plane-polarized



76548061

Cross-polarized



76548041

THIN SECTION LABEL ID: **401-U1611A-49R-1-W 29/32-TSB#24-TS#24**

Thin section no.: **24**

Observer: ZL

Thin section summary: Lower interval is more carbonate-rich and has evidence indicating early diagenesis (calcite cement in forams, dolomitized matrix, and differential compaction) -> relatively lower sedimentation rate. Upper interval shows evidence of bottom currents (erosional basal contact and foresets) -> relatively higher sedimentation rate.

Plane-polarized

76626231

Cross-polarized

76626251

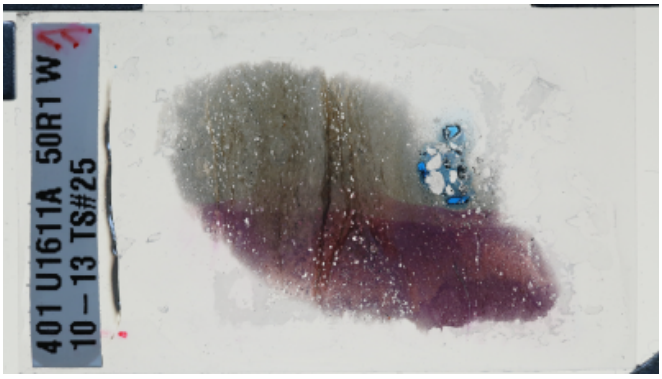
THIN SECTION LABEL ID: **401-U1611A-50R-1-W 10/13-TSB#25-TS#25**

Thin section no.: **25**

Observer: ZL

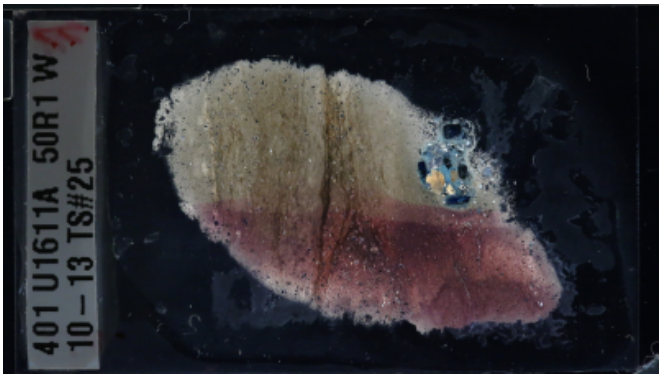
Thin section summary: Forams (presumably filled with same opal-CT cement) and minor amounts of siliciclastic particles (quartz, MRF, mica) dispersed in dolomite micrite matrix. Burrow fill area contain up to very coarse sand sized minerals and rock fragments. One nodular area, within which forams amd siliciclastic particles are more randomly oriented; in apparently laminated areas, forams are more horizontally oriented (longer axis parallel bedding plane). Possible effects of early diagenesis and differential compaction.

Plane-polarized



76626211

Cross-polarized



76626191

THIN SECTION LABEL ID: **401-U1611A-54R-1-W 11/14-TSB-TS#26**

Thin section no.: **26**

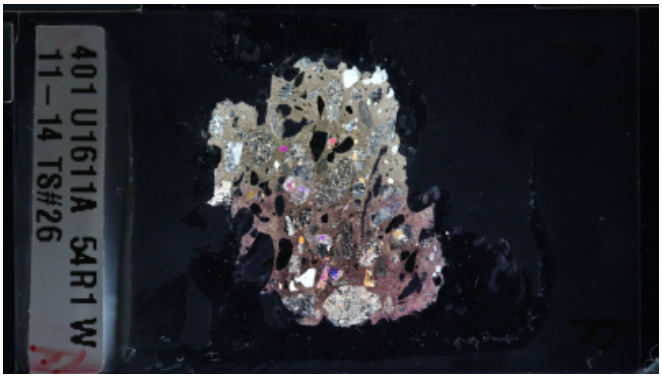
Observer: ZL

Thin section summary: Poorly sorted but fairly well-rounded clasts cemented by early diagenetic calcite (?). Significant input from a metamorphic hinderland (metamorphic quartz, different types of metamorphic rock fragments).

Plane-polarized

76658391

Cross-polarized



76658411

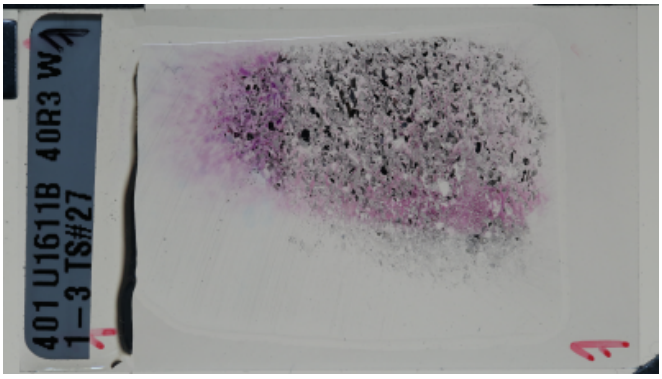
THIN SECTION LABEL ID: **401-U1611B-40R-3-W 1/3-TSB#27-TS#27**

Thin section no.: **27**

Observer: ZL

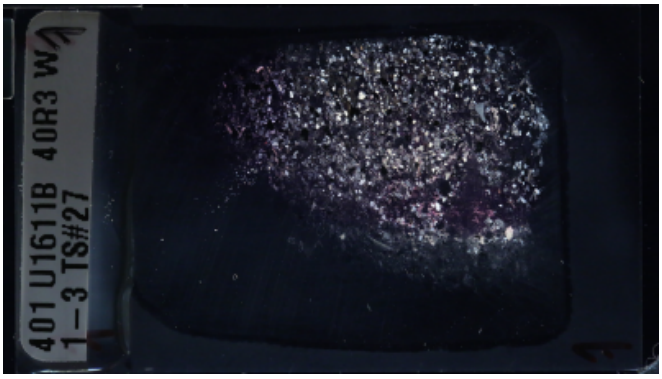
Thin section summary: Moderately sorted coarse sandstone consisting dominantly of quartz (minor feldspars) and metamorphic rock fragments and a small amount of foram/shell fragments. Matrix/cement cannot be appraised due to material lost during thin section making? Particles are mostly fragmented.

Plane-polarized



76782471

Cross-polarized



76782451