

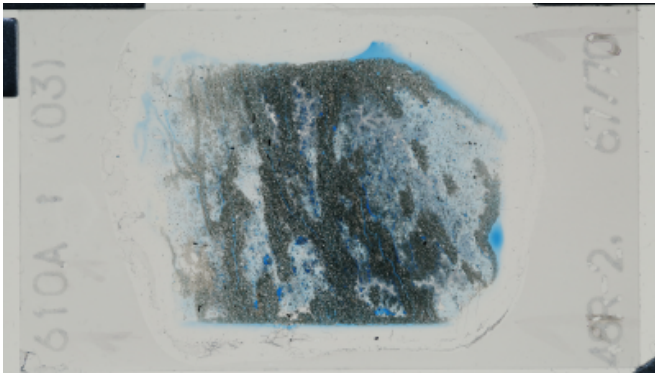
THIN SECTION LABEL ID: **401-U1610A-48R-2-W 67/70-TSB#3-TS#3**

Thin section no.: **3**

Observer: KE/NF/SG

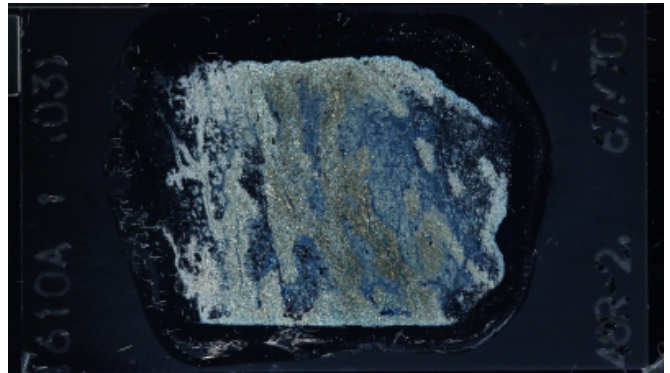
Thin section summary: Very fine sand, mixed with mud, poorly sorted. Little active cementation.

Plane-polarized



76186901

Cross-polarized



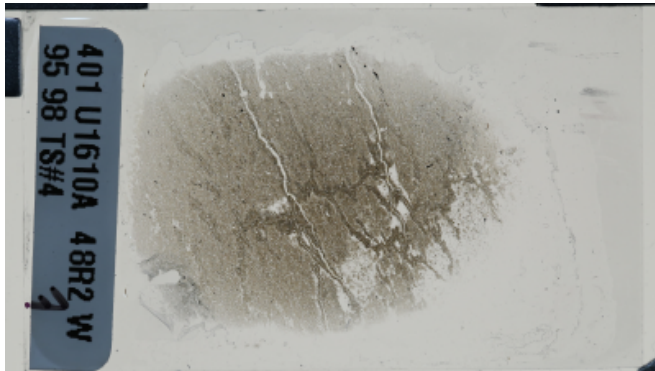
76186881

THIN SECTION LABEL ID: **401-U1610A-48R-2-W 95/98-TSB#4-TS#4**Thin section no.: **4**

Observer: KE/NF/ZL/SG

Thin section summary: Coarse silt, mixed with clay, poorly sorted. Little active cementation.

Plane-polarized



76190581

Cross-polarized



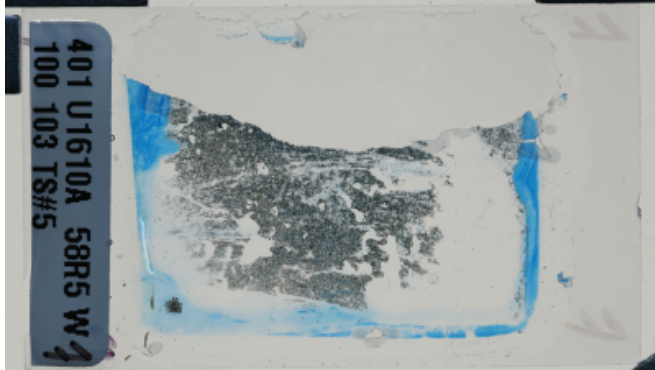
76190601

THIN SECTION LABEL ID: **401-U1610A-58R-5-W 100/103-TSB-TS#5**Thin section no.: **5**

Observer: KE/SG

Thin section summary: Very fine sand, mixed with clays, poorly sorted. Limited microporosity Little active cementation.

Plane-polarized



76190641

Cross-polarized



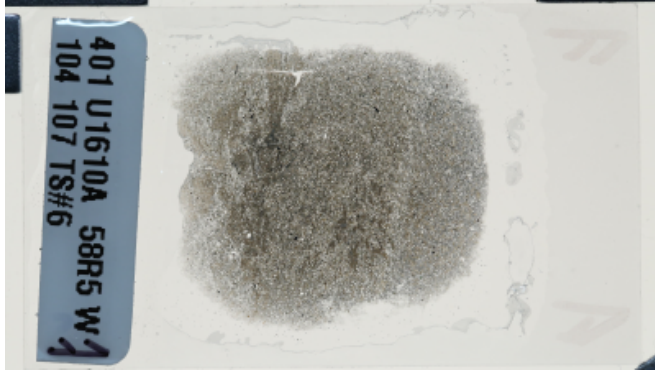
76190621

THIN SECTION LABEL ID: **401-U1610A-58R-5-W 104/107-TSB-TS#6**Thin section no.: **6**

Observer: KE/SG

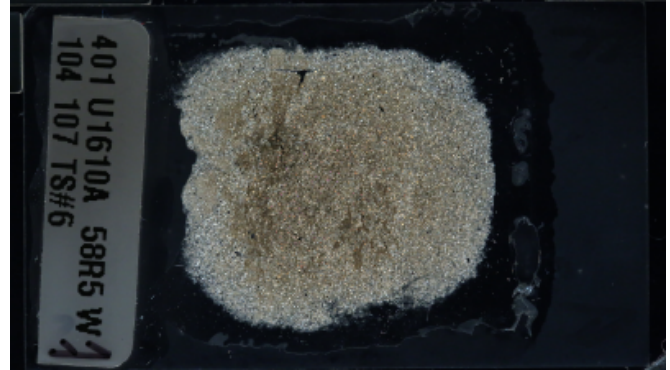
Thin section summary: Very fine sand, mixed with clays. Poorly sorted, subangular to subrounded. Little active cementation.

Plane-polarized



76190661

Cross-polarized



76190681

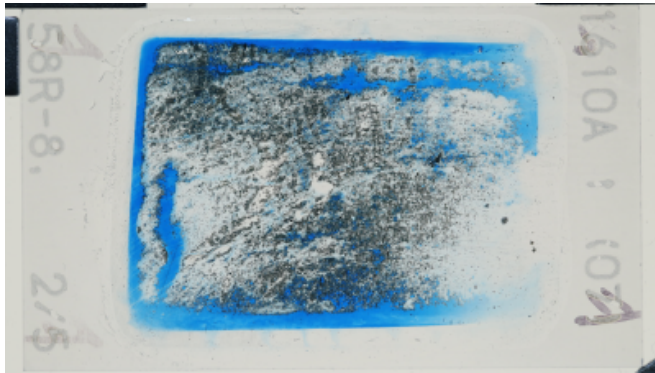
THIN SECTION LABEL ID: **401-U1610A-58R-8-W 2/5-TSB-TS#7**

Thin section no.: **7**

Observer: SG

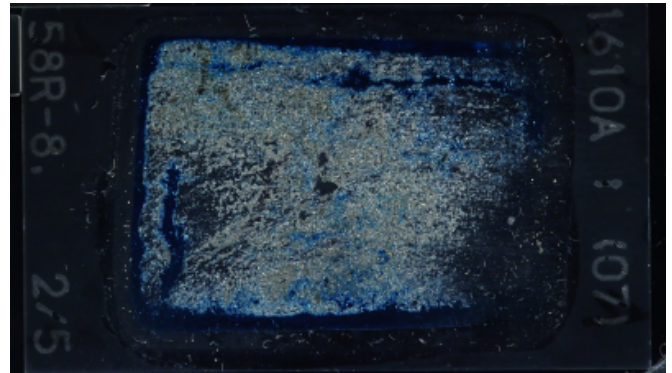
Thin section summary: Calcareous sand. Very fine sand, mixed with mud, poorly sorted. Much porosity survives, little active cementation.

Plane-polarized



76152611

Cross-polarized



76152631

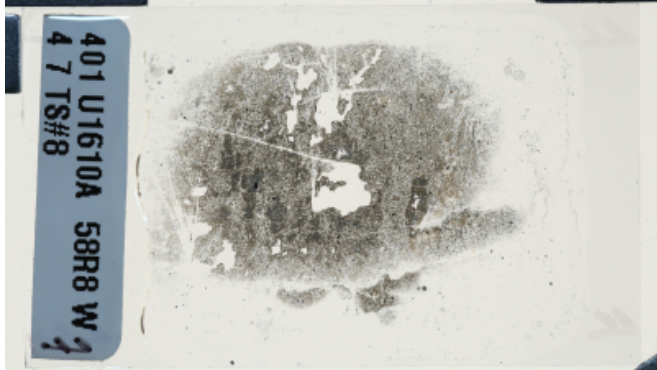
THIN SECTION LABEL ID: **401-U1610A-58R-8-W 4/7-TSB-TS#8**

Thin section no.: **8**

Observer: KE

Thin section summary: Very fine sand, mixed with mud, poorly sorted. Much porosity survives, little active cementation.

Plane-polarized



76190721

Cross-polarized



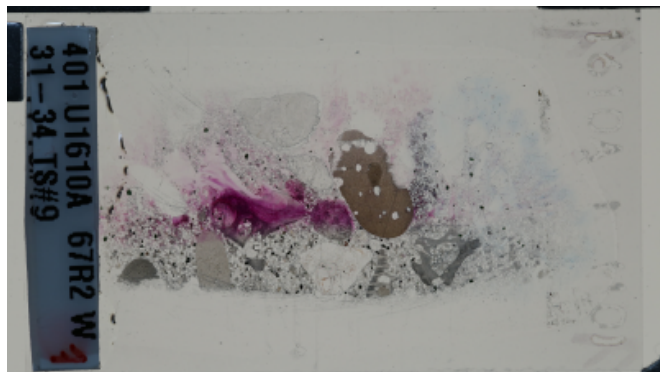
76190701

THIN SECTION LABEL ID: **401-U1610A-67R-2-W 31/34-TSB-TS#9**Thin section no.: **9**

Observer: SG/KE

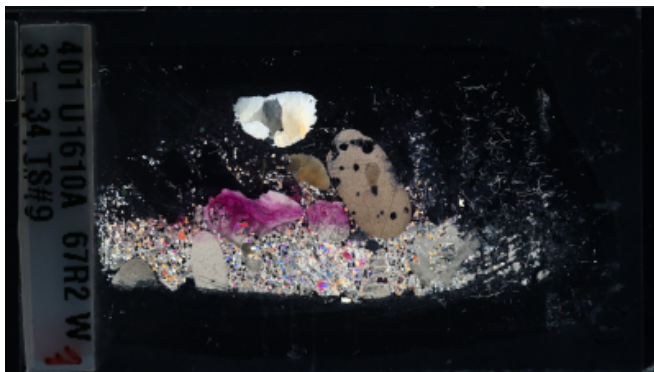
Thin section summary: Unusual feature of a pelagic depositional setting. One-off geo-event, such as slope failure? Only thin unit (25 cm), but contains coarse material, clasts are up to 2-3 cm in diameter. Sandy matrix is medium grained and quite well sorted/rounded. Later calcite cementation.

Plane-polarized



76264391

Cross-polarized



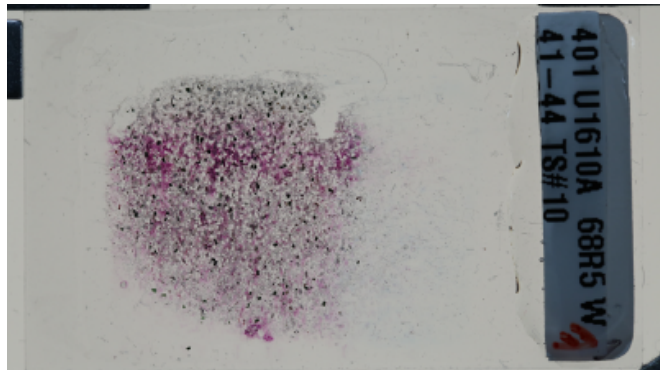
76264371

THIN SECTION LABEL ID: **401-U1610A-68R-5-W 41/44-TSB-TS#10**Thin section no.: **10**

Observer: SG/ZL

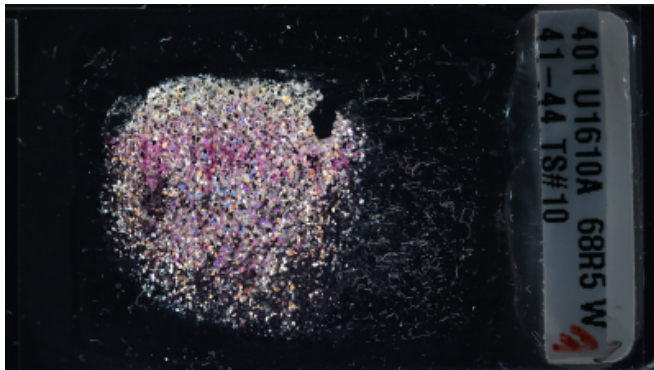
Thin section summary: Average grain size medium sand, mostly well sorted. Transported into pelagic environment. Compaction, much pore space lost. Later calcite cementation, only fills 10% of rock, so not very early.

Plane-polarized



76264331

Cross-polarized



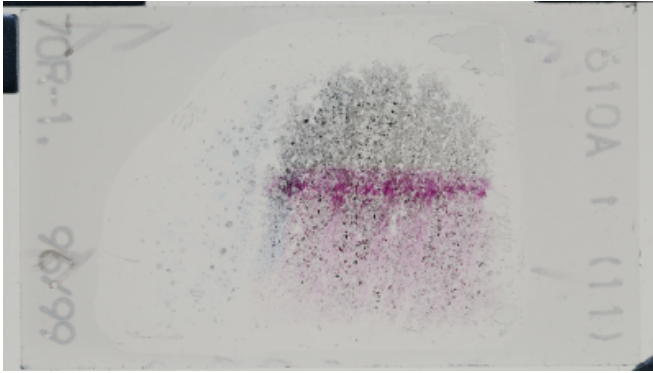
76264351

THIN SECTION LABEL ID: **401-U1610A-70R-1-W 96/99-TSB-TS#11**Thin section no.: **11**

Observer: SG/ZL

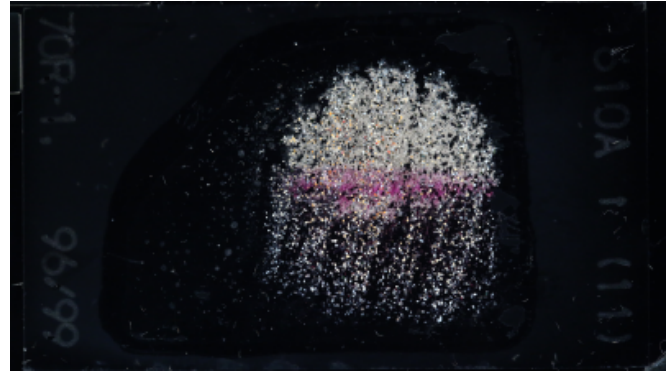
Thin section summary: Average grain size fine sand, well sorted. Transported into pelagic environment. Sorted into drifts of quartz and bioclast dominated grains, 1-3 mm thick layers. Later calcite cementation, filled 30% of rock, so early, prior to much compaction. Did earlier cementation than TS #10 occur because of more ready supply of carbonate source materials (the bioclasts)?

Plane-polarized



76186981

Cross-polarized



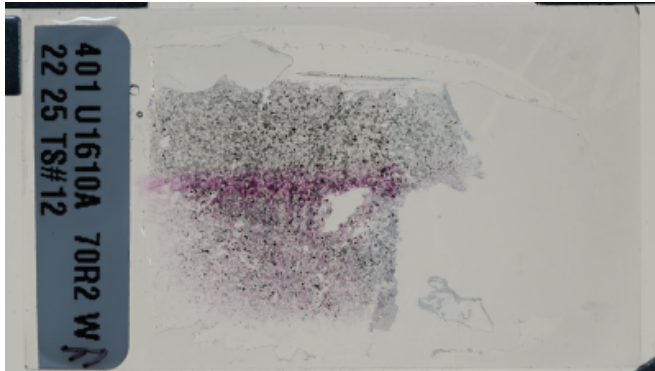
76186961

THIN SECTION LABEL ID: **401-U1610A-70R-2-W 22/25-TSB-TS#12**Thin section no.: **12**

Observer: SG/ZL

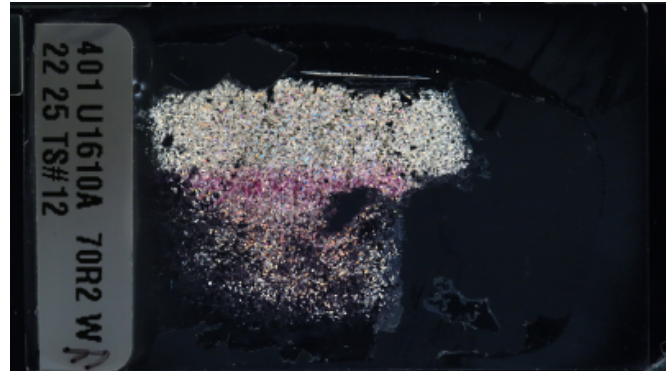
Thin section summary: Average grain size fine sand, well sorted. Transported into pelagic environment. Many bioclasts. Later calcite cementation, filled 20% of rock, so early, prior to much compaction. Did earlier cementation than TS #10 occur because of more ready supply of carbonate source materials (the bioclasts)?

Plane-polarized



76190801

Cross-polarized



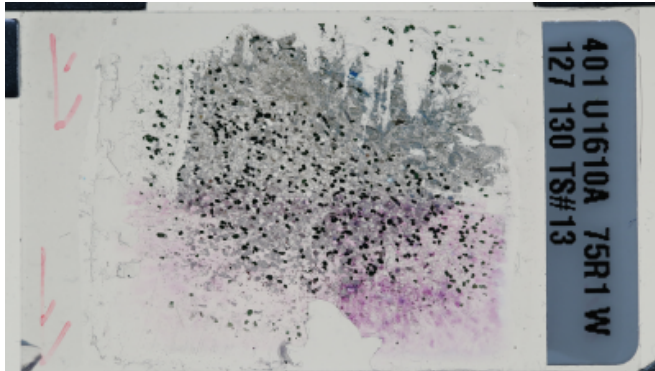
76190781

THIN SECTION LABEL ID: **401-U1610A-75R-1-W 127/130-TSB-TS#13**Thin section no.: **13**

Observer: NF

Thin section summary: Grain segregation between the different intervals. Darker intervals with dark glauconite grains are usually cm thick and are relatively poor in biogenic and carbonate content as well as poor in clay minerals. Lighter intervals are thinner, more rich in carbonates + clay minerals. Interpretation: Grain segregation on a dune?

Plane-polarized



76299591

Cross-polarized



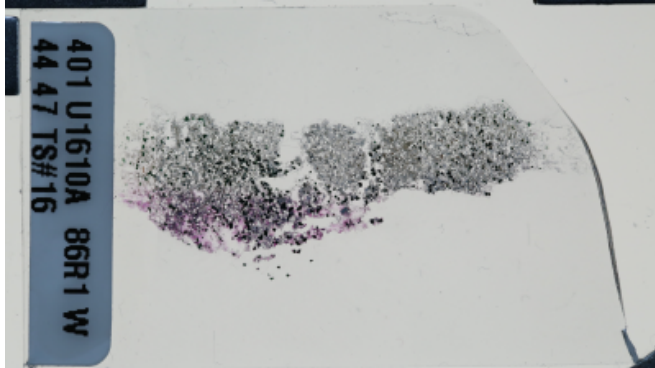
76299611

THIN SECTION LABEL ID: **401-U1610A-86R-1-W 44/47-TSB#16-TS#16**Thin section no.: **16**

Observer: NF/SG

Thin section summary: Grains better sorted in the burrow than outside of it. Immediate surrounding of the burrow darker in core and in thin section. Seems more rich in clay minerals and maybe in small detrital carbonate as well.

Plane-polarized



76299771

Cross-polarized



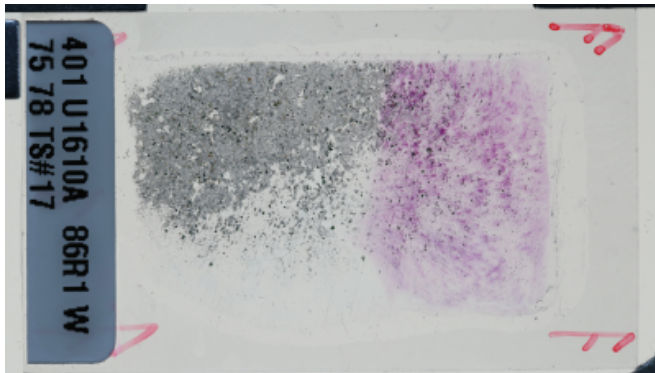
76299791

THIN SECTION LABEL ID: **401-U1610A-86R-1-W 75/78-TSB#17-TS#17**Thin section no.: **17**

Observer: NF/SG

Thin section summary: Average grain size very fine sand, well sorted. Transported into pelagic environment Many bioclasts, quartz abundant. Later calcite cementation, filled 20% of rock, so early, prior to much compaction. Did earlier cementation than TS #10 occur because of more ready supply of carbonate source materials (the bioclasts)?

Plane-polarized



76299751

Cross-polarized



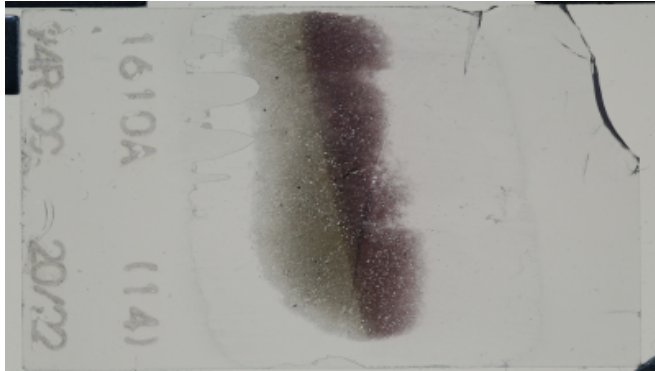
76299731

THIN SECTION LABEL ID: **401-U1610A-94R-CC-W 20/22-TSB#14-TS#14**Thin section no.: **14**

Observer: ZL/SG/NF

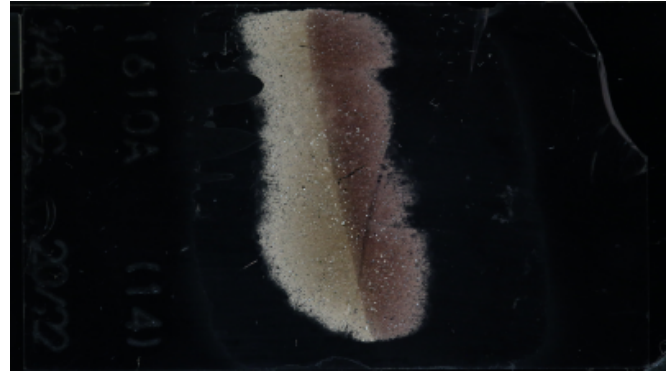
Thin section summary: Poikilotopic limestone, early calcite micrite cement, slightly dolomitised. Dolomite <5%. Early cementation of sand grains to preserve uncompacted texture. Later dolomitization, replacing early diagenetic cement with pervasive finely crystalline dolomite. Large dolomite rhomb growth: late? This sample is unlike anything immediately above, may be out of place component.

Plane-polarized



76152481

Cross-polarized



76152501

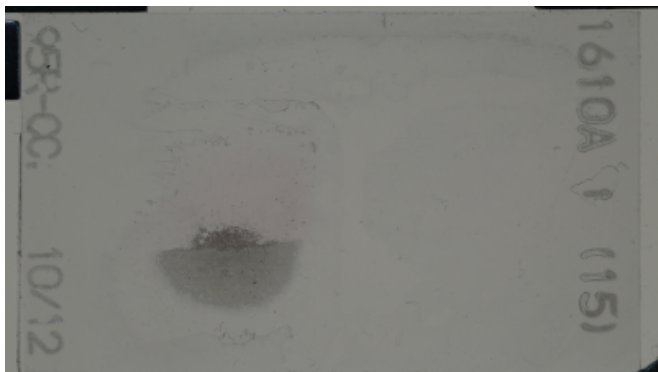
THIN SECTION LABEL ID: **401-U1610A-95R-CC-W 10/12-TSB#15-TS#15**

Thin section no.: **15**

Observer: NF/SG

Thin section summary: Poikilotopic limestone, early calcite micrite cement. Early cementation of sand grains to preserve uncompacted texture. Later dolomitization, replacing early diagenetic cement with pervasive finely crystalline dolomite. Large dolomite rhomb growth: late? This sample is unlike anything immediately above, may be out of place component.

Plane-polarized



76152591

Cross-polarized



76152571