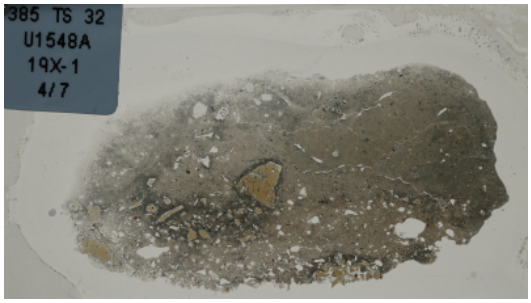
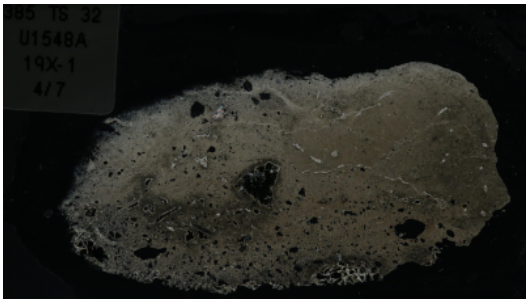
THIN SECTION LABEL ID: **385-U1548A-19X-1-W 4/7-TSB-TS 32** Thin section no.: 32

Observer: km

Plane-polarized: 54903711



Cross-polarized: 54903731



Sediments and Sedimentary Rock

Lithology: micrite

TEXTURE	Percent	CONSTITUENT	Percent
Sand		Siliciclastic Grains/Mineral	5
Silt		Authigenic Minerals	65
Clay		Biogenic Grains	5
Total Texture		Total Constituent	90

Framework grain abundance

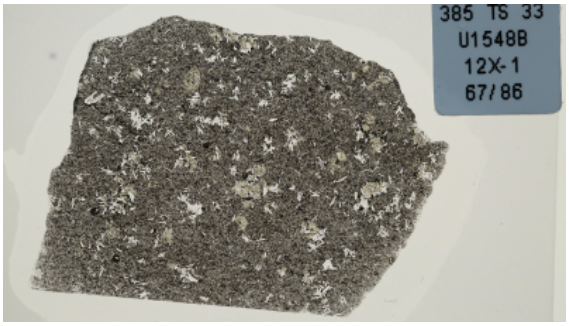
Component	%	Component	%	Component	%
Quartz		Ferromagnesium minerals		Vitric Grains	15
Feldspar		Opaque Minerals		Foraminifera	
Plagioclase		Zeolite		Radiolarians	
Rock Fragments		Pyrite	10	Diaotms	5
Igneous Volcanic Fragments		Quartz (Authigenic)		Organic Debris	
Sedimentary Fragments		Calcite	40	Plant Debris	
Matrix (Silt and Clay)		Dolomite		Fish Remains	
Biotite		Porosity		Other	15
Clay Minerals	5				

THIN SECTION LABEL ID: **385-U1548B-12X-1-W 67/86-TSB-TS 33** Thin section no.: 33

Observer: Wei Xie

Thin section summary: LITHOLOGY: plagioclase clinopyroxene phyric basalt sill GROUNDMASS: fine-grained, felty GRAIN SIZE DISTRIBUTION: Bimodal TEXTURE: porphyritic PHENOCRYSTS: 10% plagioclase + 5% clinopyroxene VESICLES: none ALTERATION: highly altered Comments:

Plane-polarized: 54903751



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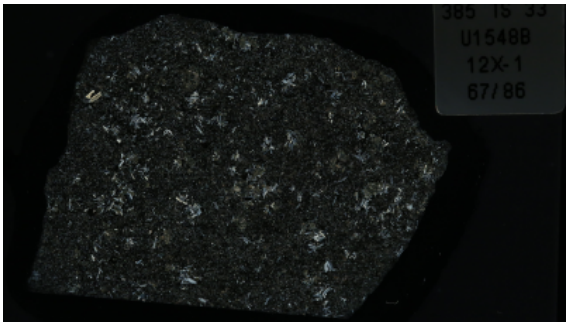

Igneous Petrology

Lithology: plagioclase clinopyroxene phyric basalt sill **Groundmass grain size (avg.):** fine-grained [NMJ05]

Texture: porphyritic **Grain size distribution:** Bimodal

Phenocrysts	Original (%)	Present (%)	Replaced (%)	Size min. (mm)	Size max. (mm)	Shape	Habit	Comments
Plagioclase	10	8	2	0.5	1	euhedral	elongate	
Clinopyroxene	5	0	5	0.3	0.8	subhedral	elongate	

Groundmass	Original (%)	Present (%)	Replaced (%)	Size min. (mm)	Size max. (mm)	Shape	Habit	Comments
Plagioclase	45	30	15	0.1	0.4	euhedral	elongate	
Clinopyroxene	40	5	35	0.1	0.3	subhedral	elongate	

Alteration

Alteration intensity: highly altered **Texture of Alteration** coating **Recrystallization extent:** strong [recryst]