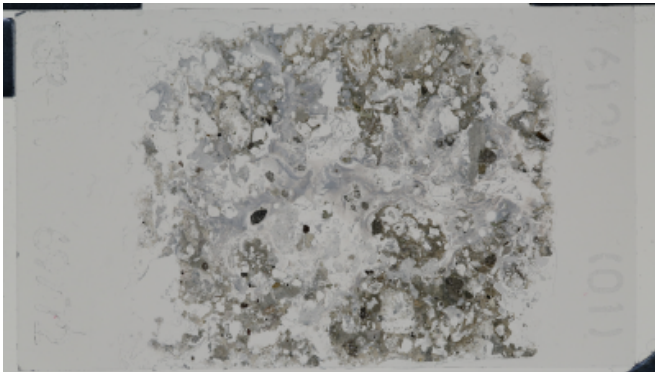


THIN SECTION LABEL ID: 402-U1612A-13R-1-W 69/72-TSB-TS#01

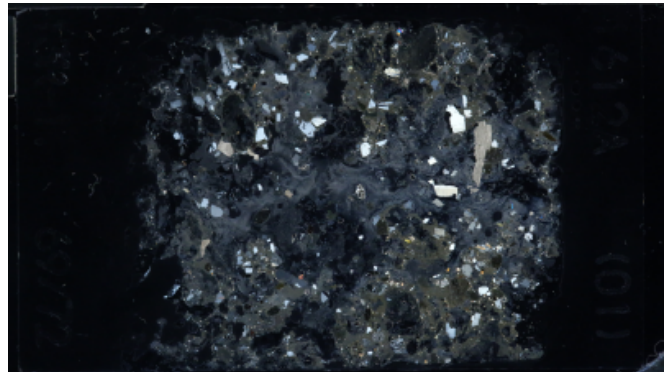
Group	Summaries
Sedimentary-rocks:	none present
Igneous petrology:	Higly vesicular volcanoclastic rock. Coarse grained orthopyroxene, amphibole, mica and feldspars.
Alterations features:	Higly altered grey groundmass

Plane-polarized



77110721

Cross-polarized



77110821

SEDIMENTARY ROCKS

Lithology full name: volcaniclastic

Observer:

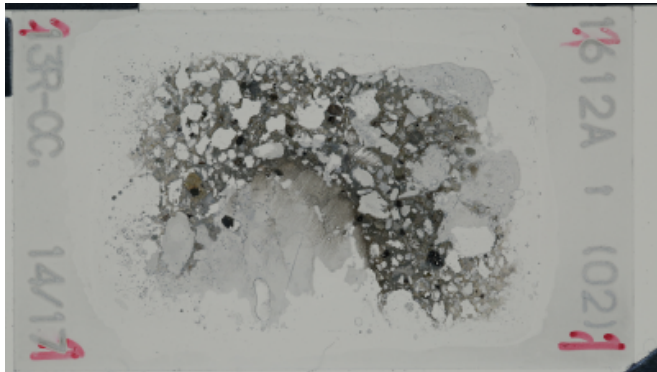
Summary of sediment features:

Sorting	Lithoclast roundness	Porosity
		high porosity
Clast lithology principal name		Clast mineralogy
igneous		Orthopyroxene, amphibole, mica and feldspars.

THIN SECTION LABEL ID: 402-U1612A-13R-CC-W 14/17-TSB-TS#02

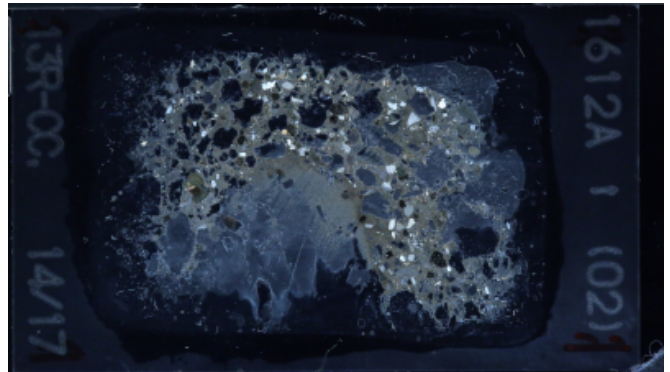
Group	Summaries
Sedimentary-rocks:	none present
Igneous petrology:	Higly vesicular volcanoclastic rock. Coarse grained orthopyroxene, amphibole, mica and feldspars.
Alterations features:	Higly altered grey groundmass

Plane-polarized



76893501

Cross-polarized



76893481

SEDIMENTARY ROCKS

Lithology full name: volcanoclastic with

Observer:

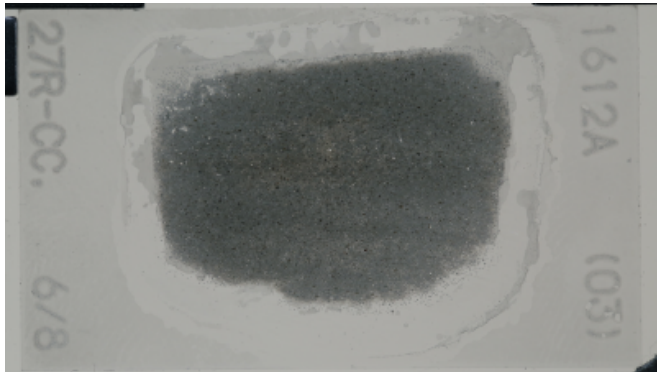
Summary of sediment features:

Sorting	Lithoclast roundness	Porosity
		high porosity
Clast lithology principal name		Clast mineralogy
igneous		Orthopyroxene, amphibole, mica and feldspars.

THIN SECTION LABEL ID: 402-U1612A-27R-CC-W 6/8-TSB-TS#03

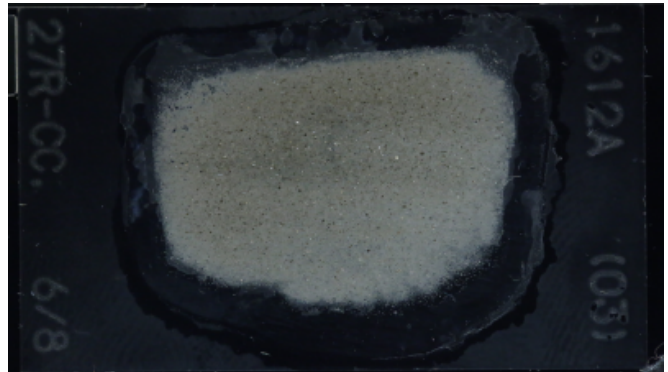
Group	Summaries
Sedimentary-rocks:	Occurrence of planktonic forams
Igneous petrology:	Volcanoclastic rock. Amphibole, mica and feldspar crystals in a very fine-matrix.
Alterations features:	The fine-matrix is almost completely replaced

Plane-polarized



76896271

Cross-polarized



76896251

SEDIMENTARY ROCKS

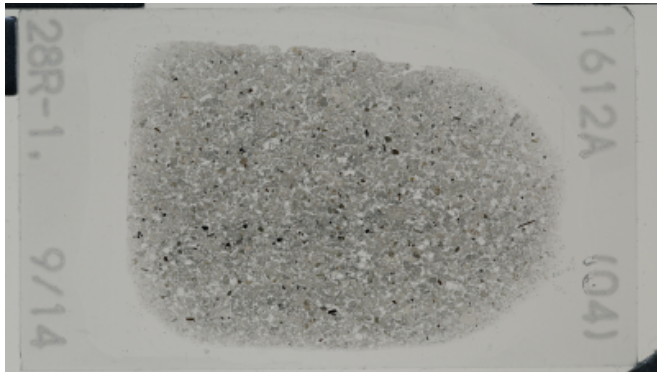
Lithology full name: volcaniclastic **Observer:**
Summary of sediment features: Occurrence of planktonic forams

Sorting	Lithoclast roundness	Porosity
		moderate porosity
Clast lithology principal name	Clast mineralogy	
igneous	Amphibole, mica and feldspar	

THIN SECTION LABEL ID: 402-U1612A-28R-1-W 9/14-TSB-TS#04

Group	Summaries
Sedimentary-rocks:	Occurrence of planktonic forams
Igneous petrology:	Volcanoclastic rock with clasts of mica, quartz, amphibole, pyroxene and plagioclase in a calcite cement
Alterations features:	Fresh

Plane-polarized



76896291

Cross-polarized



76896311

SEDIMENTARY ROCKS

Lithology full name: volcaniclastic **Observer:**

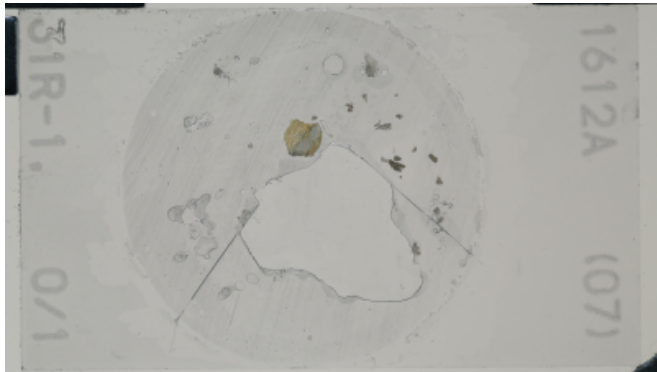
Summary of sediment features: Occurrence of planktonic forams

Sorting	Lithoclast roundness	Porosity
		moderate porosity
Clast lithology principal name		Clast mineralogy
igneous		Mica, quartz, amphibole, pyroxene and plagioclase+

THIN SECTION LABEL ID: 402-U1612A-31R-1-W 0/1-TSB-TS#07

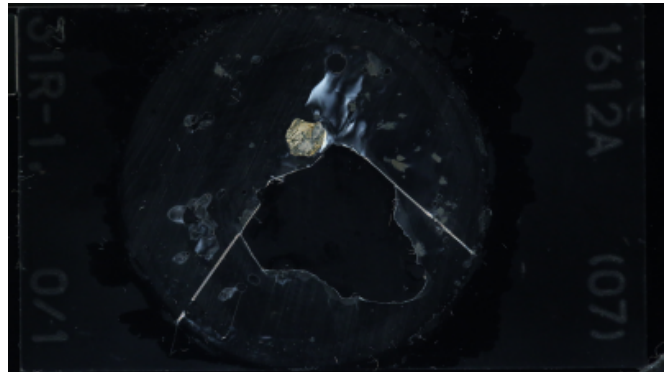
Group	Summaries
Sedimentary-rocks:	none present
Igneous petrology:	Small fragment of peridotite, originally formed by olivine, pyroxene and spinel
Alterations features:	Olivine and pyroxene are totally replaced by secondary serpentine

Plane-polarized



76896391

Cross-polarized



76896411

IGNEOUS PETROLOGY

Lithology: peridotite with

Observer: AS

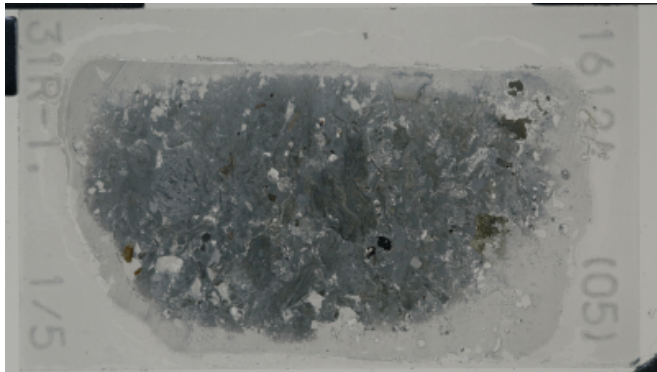
Mineral	% Mineral	Original (%)	Altered (%)	Size AVE (mm)	Shape	Habit	Comments
Olivine	60	0	100		anhedral		
Orthopyroxene	38		100		subhedral	tabular	
Spinel	2	100			euhedral		

Pl phenocryst (%)	Total phenocryst (%)	Biotite (%)	Quartz (%)	Quartz alteration intensity
	0			

THIN SECTION LABEL ID: 402-U1612A-31R-1-W 1/5-TSB-TS#05

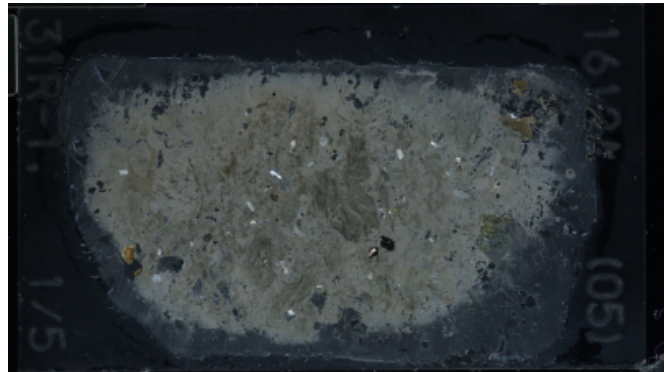
Group	Summaries
Sedimentary-rocks:	none present
Igneous petrology:	Volcanoclastic rock. Pyroxene, amphibole, biotite, and plagioclase are present as phenocrysts in a very fine-matrix. The rock is highly vesicular.
Alterations features:	The fine-matrix is almost completely replaced

Plane-polarized



76896351

Cross-polarized



76896331

SEDIMENTARY ROCKS

Lithology full name: volcaniclastic with

Observer:

Summary of sediment features:

Sorting	Lithoclast roundness	Porosity
		high porosity
Clast lithology principal name		Clast mineralogy
igneous		Pyroxene, amphibole, biotite, and plagioclase

THIN SECTION LABEL ID: 402-U1612A-31R-1-W 27/30-TSB-TS#06

Group	Summaries
Sedimentary-rocks:	none present
Igneous petrology:	Sparsely plagioclase phyric basalts with clinopyroxene, plagioclase, amphibole, and oxides in the groundmass
Alterations features:	The rock shows alteration and thin veins are also present. Epidote and pale green amphiboles are formed as a result of alteration.

Plane-polarized



76896371

Cross-polarized



76896431

IGNEOUS PETROLOGY

Lithology: sparsely plagioclase phyric basalt with

Observer: AS

Mineral	% Mineral	Original (%)	Altered (%)	Size AVE (mm)	Shape	Habit	Comments
Plagioclase	58				subhedral	tabular	
Clinopyroxene	40				anhedral	interstitial	
Oxide	2				euhedral	equant	

Groundmass modal (%)	Groundmass grain size
95	cryptocrystalline to microcrystalline

Pl phenocryst (%)	Total phenocryst (%)	Biotite (%)	Quartz (%)	Quartz alteration intensity
5	5			

THIN SECTION LABEL ID: 402-U1612A-35R-1-W 94/96-TSB-TS#08

Group Summaries

Igneous petrology: Plagioclase bearing harzburgite, cross-cut by irregular mm size mafic veins with plagioclase and pyroxene

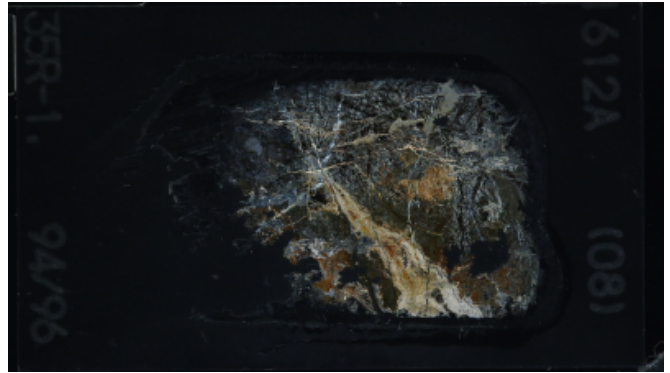
Alterations features: Olivine is highly altered to serpentine. Pyroxene and plagioclase are locally preserved.

Plane-polarized



76899231

Cross-polarized



76899211

IGNEOUS PETROLOGY

Lithology: plagioclase-bearing harzburgite with

Observer: AS

Mineral	% Mineral	Original (%)	Altered (%)	Size AVE (mm)	Shape	Habit	Comments
Olivine	70	10	90				
Plagioclase	5	20	80				Organized in microveins
Orthopyroxene	24	20	80		subhedral	subequant	
Spinel	1	100			euhedral		

Pl phenocryst (%)	Total phenocryst (%)	Biotite (%)	Quartz (%)	Quartz alteration intensity
	0			

THIN SECTION LABEL ID: 402-U1612A-37R-1-W 8/10-TSB-TS#09

Group Summaries

Igneous petrology: Granitoid with quartz-dioritic composition. Mica and amphibole are accessory mafic minerals.

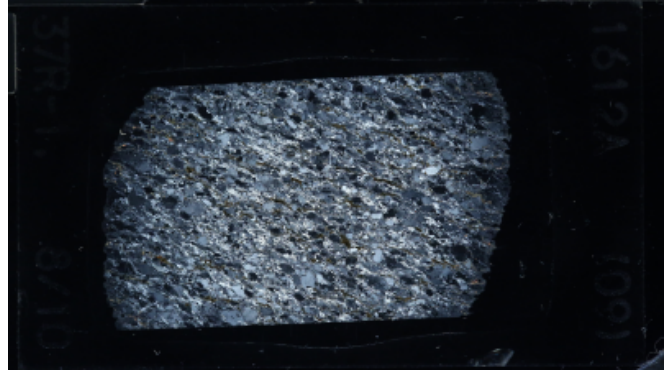
Alterations features: Most of the minerals are fresh.

Plane-polarized



77110861

Cross-polarized



77110841

IGNEOUS PETROLOGY

Lithology: granitoid with

Observer: AS

Mineral	% Mineral	Original (%)	Altered (%)	Size AVE (mm)	Shape	Habit	Comments
Plagioclase	60	100			subhedral	tabular	
Amphibole	10	100			subhedral	tabular	

Pl phenocryst (%)	Total phenocryst (%)	Biotite (%)	Quartz (%)	Quartz alteration intensity
	0	15	15	fresh

THIN SECTION LABEL ID: 402-U1612A-37R-1-W 123/125-TSB-TS#10

Group Summaries

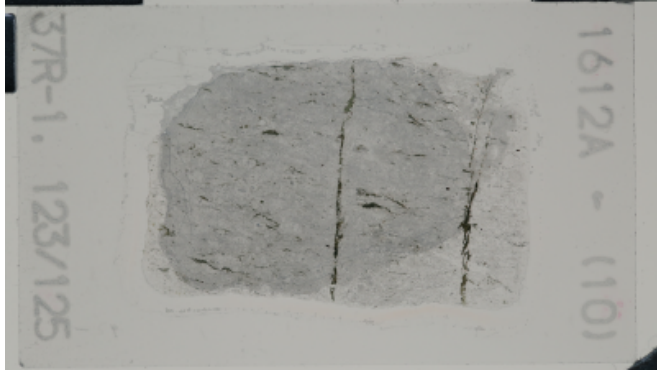
Igneous petrology:

Granitoid with quartz-dioritic composition. Mica and amphibole are accessory mafic minerals.

Alterations features:

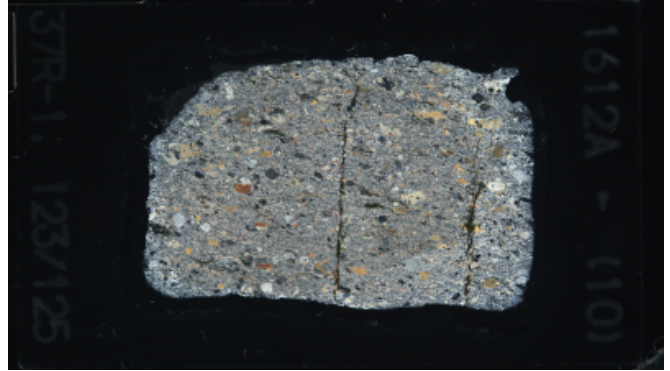
Most of the minerals are fresh. The primary minerals are replaced by secondary plagioclase in vein haloes.

Plane-polarized



76899291

Cross-polarized



76899311

IGNEOUS PETROLOGY

Lithology: granitoid

Observer: AS

Mineral	% Mineral	Original (%)	Altered (%)	Size AVE (mm)	Shape	Habit	Comments
Plagioclase	55	100			subhedral	tabular	
Amphibole	5	100			euohedral	elongate	green amphibole in veins

Pl phenocryst (%)	Total phenocryst (%)	Biotite (%)	Quartz (%)	Quartz alteration intensity
	0	5	35	fresh

THIN SECTION LABEL ID: 402-U1612A-39R-1-W 27/30-TSB-TS#11

Group Summaries

Igneous petrology: Granitoid with quartz-dioritic composition. Mica and amphibole are accessory mafic minerals.

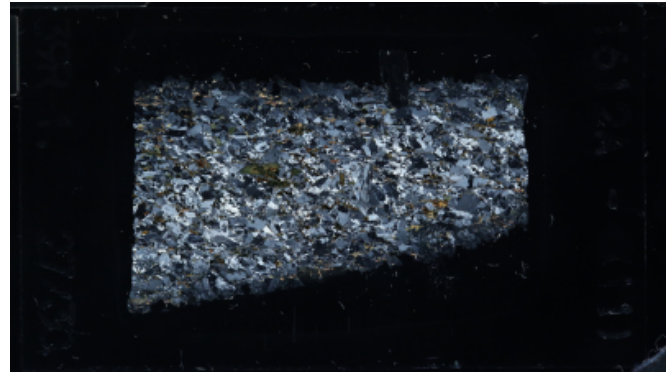
Alterations features: Most of the minerals are fresh. The primary minerals are replaced by secondary plagioclase in vein haloes.

Plane-polarized



77110881

Cross-polarized



77110901

IGNEOUS PETROLOGY

Lithology: granitoid

Observer: AS

Mineral	% Mineral	Original (%)	Altered (%)	Size AVE (mm)	Shape	Habit	Comments
Plagioclase	60	100			subhedral	tabular	
Amphibole	10	100			subhedral	tabular	

Pl phenocryst (%)	Total phenocryst (%)	Biotite (%)	Quartz (%)	Quartz alteration intensity
	0	15	15	fresh