

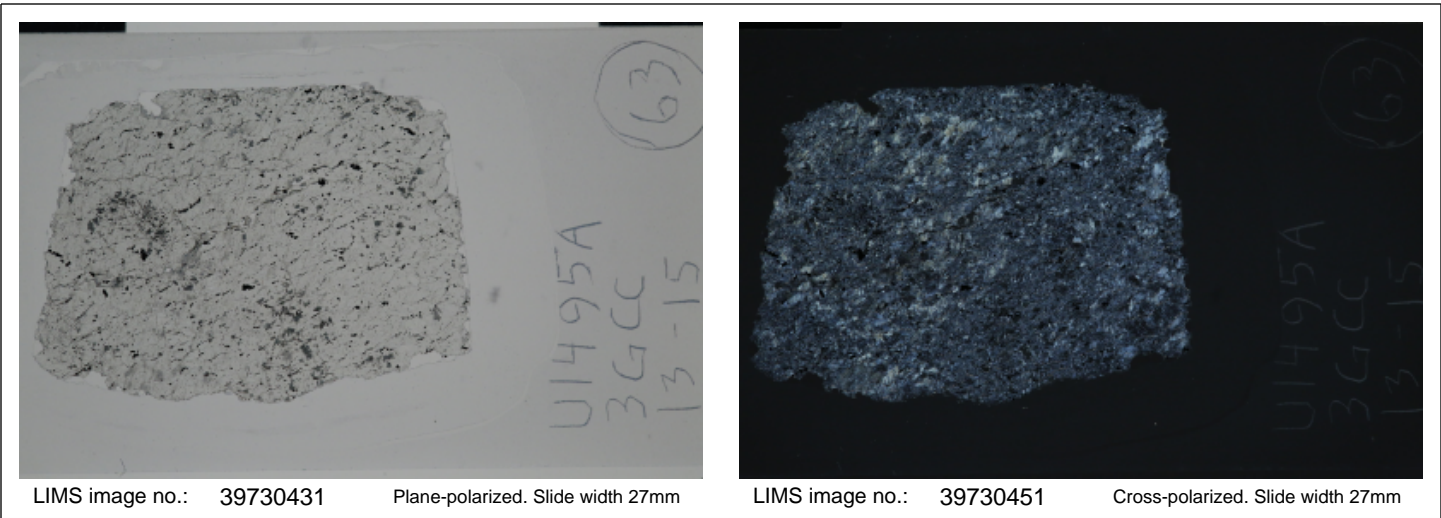
THIN SECTION LABEL ID: 366-U1495A-3G-CC-W 13/15-TSB-TS_63

TS no.: 63

Thin Section Summary Description

Observer(s): BD/ JS

Foliated serpentinite composed of serpentine blades with interpenetrating textures. The rock is crossed by veins of magnetite associated with thinly recrystallized minerals. A lot of bastite are observed suggesting that the protolith was an harzburgite.



Intrusive Mantle

Lithology: serpentinite					Observer: BD/JS			
Texture: nonpseudomorphic								
Mineral	Estimated Original (%)	Present (%)	Altered (%)	Size Avg. (mm)	Shape	Habit	Texture	Comments/Special Features
Serpentine	NA	100	NA	NA			interpenetrating	
Orthopyroxene	30				NA		bastite	abundant bastite, highly deformed and recrystallized into interpenetrating blades of serpentine

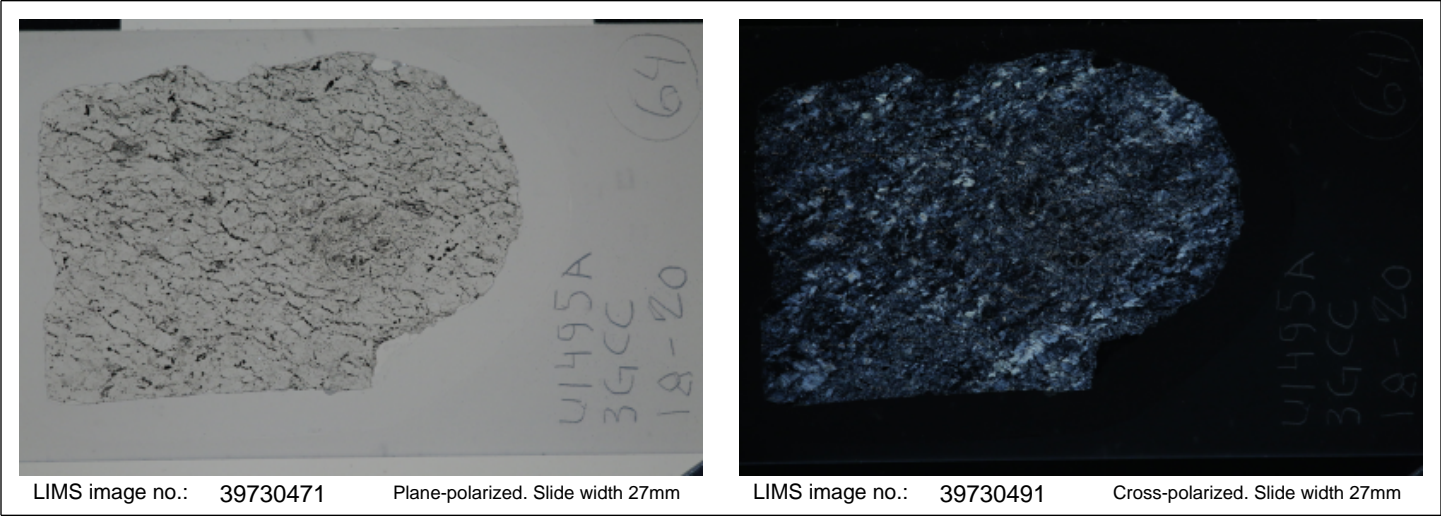
THIN SECTION LABEL ID: 366-U1495A-3G-CC-W 18/20-TSB-TS_64

TS no.: 64

Thin Section Summary Description

Observer(s): BD/JS

Foliated serpentinite composed of serpentine blades with interpenetrating textures. Some orthopyroxene seems to be preserved The rock is crossed by veins of magnetite associated with thinly recrystallized minerals. A lot of bastite are observed suggesting that the protolith was an harzburgite or pyroxenite. Rare Cpx exsolution lamellae preserved in some bastite. Pale green alteration with modest Bf common, may be anthophyllite.



Intrusive Mantle

Domain/Rock Comment:Abundant bastite, often with anthophyllite; rock may derived from pyroxenite.

Lithology:serpentiniteObserver:BD/JS

Texture:nonpseudomorphic

Mineral	Estimated Original (%)	Present (%)	Altered (%)	Size Avg. (mm)	Shape	Habit	Texture	Comments/Special Features
Serpentine	NA	100	NA	NA			interpenetrating	
Orthopyroxene	30				NA		bastite	abundant bastite, highly deformed and recrystallized into interpenetrating blades of serpentine

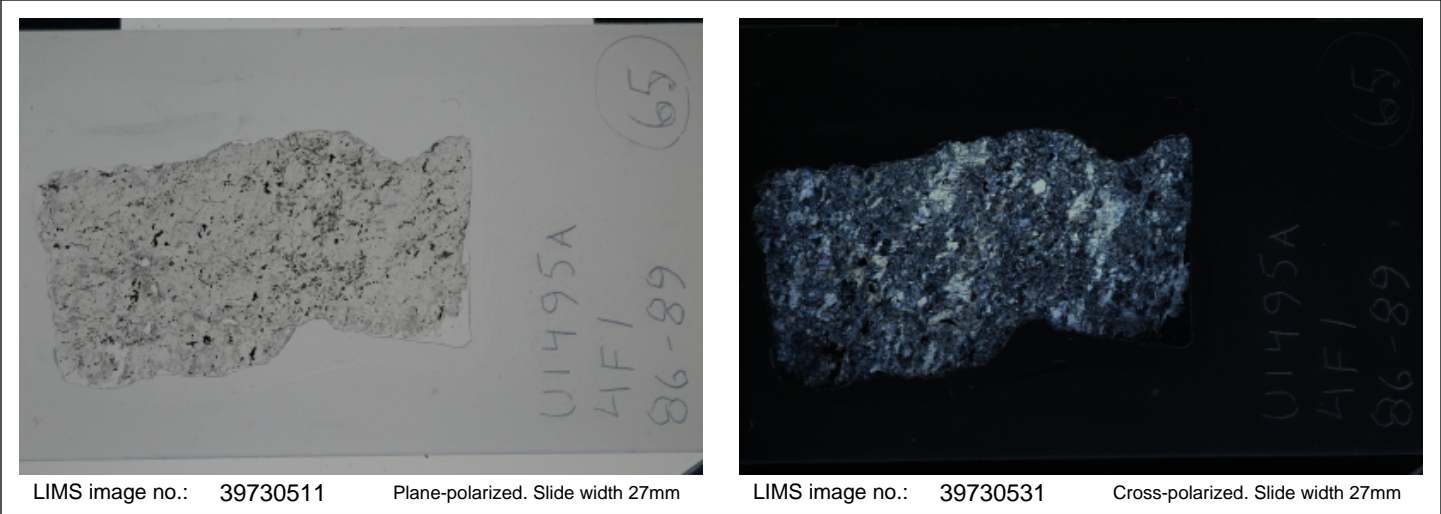
THIN SECTION LABEL ID: 366-U1495A-4F-1-W 86/89-TSB-TS_65

TS no.: 65

Thin Section Summary Description

Observer(s): BD

Foliated serpentinite composed of serpentine blades with interpenetrating textures. Some orthopyroxene seems to be preserved The rock is crossed by veins of magnetite associated with thinly recrystallized minerals. A lot of bastite are observed suggesting that the protolith was an harzburgite.



Intrusive Mantle

Lithology: serpentinite

Observer: BD

Texture: nonpseudomorphic

Mineral	Estimated Original (%)	Present (%)	Altered (%)	Size Avg. (mm)	Shape	Habit	Texture	Comments/Special Features
Serpentine	NA	100	NA	NA			interpenetrating	
Orthopyroxene	30				NA		bastite	abundant bastite, highly deformed and recrystallized into interpenetrating blades of serpentine

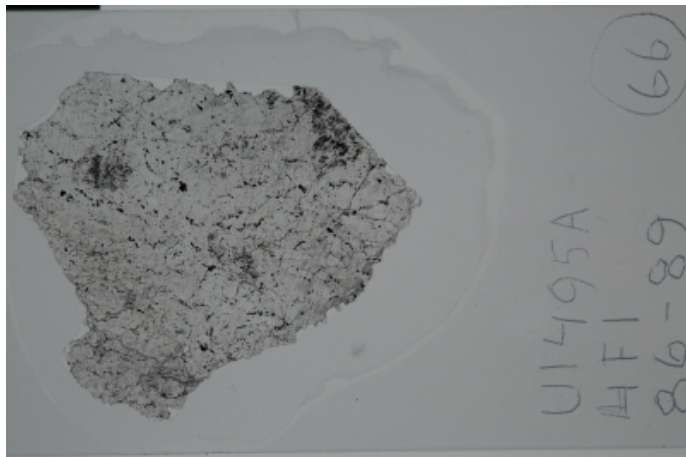
THIN SECTION LABEL ID: **366-U1495A-4F-1-W 86/89-TSB-TS_66**

TS no.: 66

Thin Section Summary Description

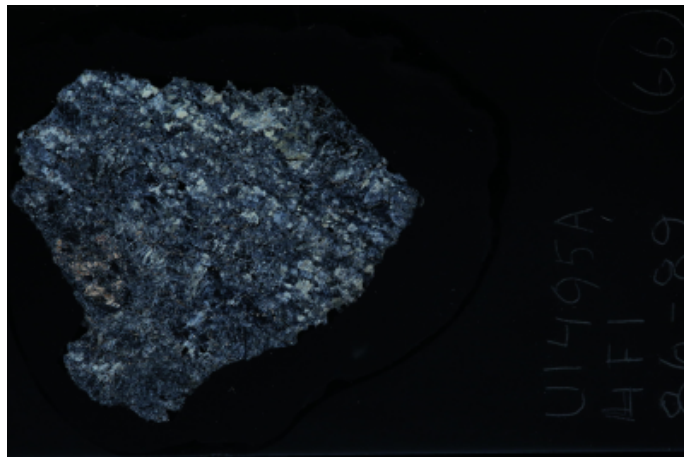
Observer(s): BD

Foliated serpentinite composed of serpentine blades with interpenetrating textures. The rock is crossed by veins of magnetite associated with thinly recrystallized minerals. A lot of bastite are observed suggesting that the protolith was an harzburgite.



LIMS image no.: 39734511

Plane-polarized. Slide width 27mm



LIMS image no.: 39734531

Cross-polarized. Slide width 27mm

Intrusive Mantle**Lithology:** serpentinite

Observer: BD

Texture: nonpseudomorphic

Mineral	Estimated Original (%)	Present (%)	Altered (%)	Size Avg. (mm)	Shape	Habit	Texture	Comments/Special Features
Serpentine	NA	100	NA	NA			interpenetrating	
Orthopyroxene	30				NA		bastite	abundant bastite, highly deformed and recrystallized into interpenetrating blades of serpentine

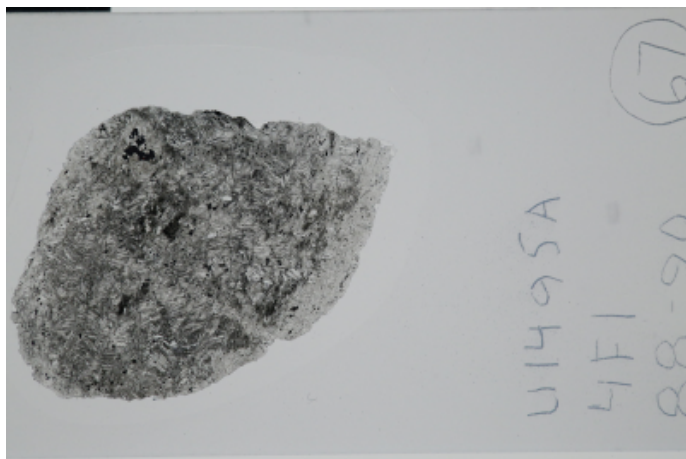
THIN SECTION LABEL ID: **366-U1495A-4F-1-W 88/90-TSB-TS_67**

TS no.: 67

Thin Section Summary Description

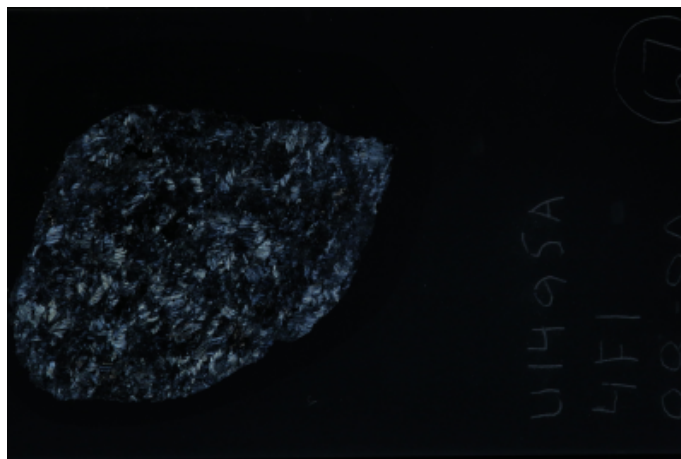
Observer(s): BD

Foliated serpentinite composed of serpentine blades with interpenetrating textures. The rock is crossed by veins of magnetite associated with thinly recrystallized minerals. A lot of bastite are observed suggesting that the protolith was an harzburgite. Those are associated with chlorite.



LIMS image no.: 39734551

Plane-polarized. Slide width 27mm



LIMS image no.: 39734571

Cross-polarized. Slide width 27mm

Intrusive Mantle**Lithology:** serpentinite

Observer: BD

Texture: nonpseudomorphic

Mineral	Estimated Original (%)	Present (%)	Altered (%)	Size Avg. (mm)	Shape	Habit	Texture	Comments/Special Features
Serpentine	NA	100	NA	NA			interpenetrating	
Orthopyroxene	30				NA		bastite	abundant bastite, highly deformed and recrystallized into interpenetrating blades of serpentine

THIN SECTION LABEL ID: **366-U1495A-5G-CC-W 21/24-TSB-TS_69**

TS no.: 69

Thin Section Summary Description

Observer(s): JS/BD

Serpentinized harzburgite. Bastites recognizable but olivine replaced nonpseudomorphically. Bastite to 3.6 mm across. Kinked, Probable PC primary texture. Yellowish mineral with high relief crystallizing in veins crosscut the sample. Small spinels have been observed

Intrusive Mantle

Domain/Rock Comment: Serpentinized harzburgite. Bastites recognizable but olivine replaced nonpseudomorphically. Bastite to 3.6 mm across. Kinked, Probable PC primary texture.

Lithology: **serpentinized harzburgite**

Observer: JS

Texture: nonpseudomorphitic

Mineral	Estimated Original (%)	Present (%)	Altered (%)	Size Avg. (mm)	Shape	Habit	Texture	Comments/Special Features
Orthopyroxene	25			2.5	NA		bastite	abundant bastite, highly deformed and recrystallized into interpenetrating blades of serpentine

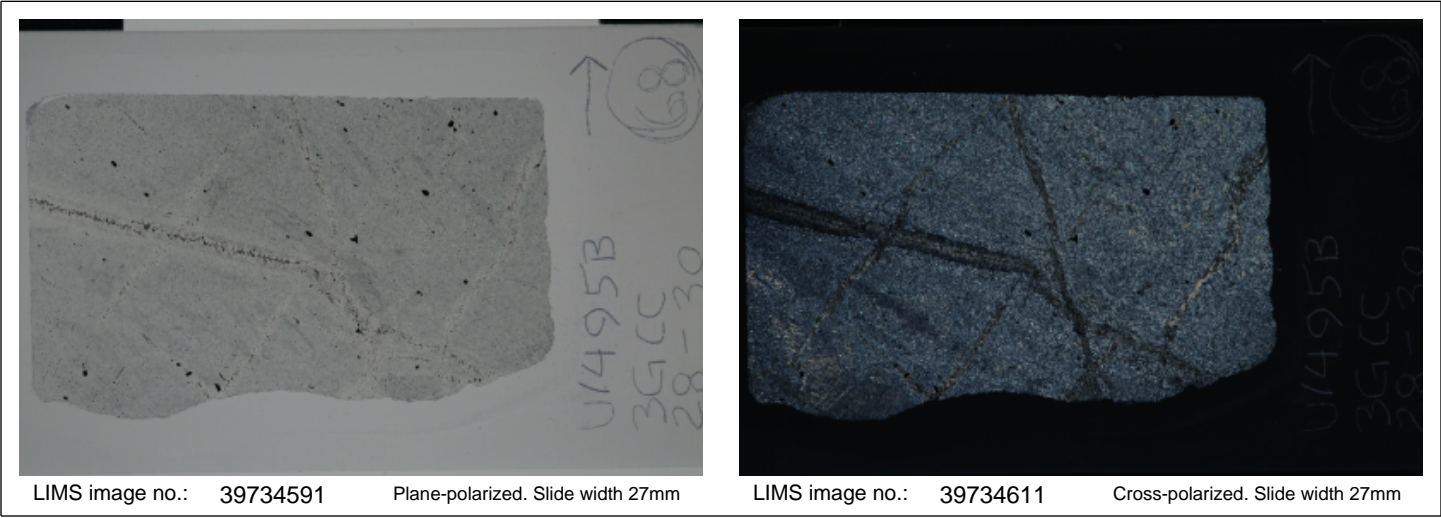
THIN SECTION LABEL ID: 366-U1495B-3G-CC-W 28/30-TSB-TS_68

TS no.: 68

Thin Section Summary Description

Observer(s): BD/JP/JS

Highly Serpentinized dunite (about 80% serpentinization), the olivine is preserved in the center of pseudomorphous hourglass textures. Olivine highly elongate, primary rock likely had strong foliation. Rare areas with same extinction show grains 6 mm long by 2 mm wide; another grain is 8 mm long by 1.2 mm wide. Spinel subhedral, equant. Thinly recrystallized zoned veins of magnetite and talc-like phases crossed the sample. Cut by at least 3 generations of veins after mesh micro veins.



Intrusive Mantle

Domain/Rock Comment: Highly serpentinized dunite, mostly mesh texture. Cut by at least 3 generations of veins after mesh micro veins. Olivine highly elongate, primary rock likely had strong foliation.

Lithology: serpentinized dunite

Observer: BD/JS

Texture: pseudomorphous

Mineral	Estimated Original (%)	Present (%)	Altered (%)	Size Avg. (mm)	Shape	Habit	Texture	Comments/Special Features
Olivine	99	15	80	5	elongate			Olivine is preserved in the center of hourglass textures
Serpentine	NA	85	NA	NA		hourglass	pseudomorphous	
Spinel	1			0.2	NA	subhedral		NA