

152-915A-24R-1 (Piece 1A, 62–64 cm) OBSERVER: LOT
 ROCK NAME: Fine-grained leucocratic rock.
 GRAIN SIZE: Fine-grained, 0.1–0.3 mm.
 TEXTURE: Granoblastic.

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
Clinozoisite/epidote	56		0.1–0.3		Fibrous-prismatic.	
Chlorite	24		0.1			Interstitial.
Leucoxene	7		0.1			Replaces oxide.
Zeolite	12		0.1			Interstitial.
Quartz	1		0.1		Anhedral.	

COMMENTS: The rock is in greenschist facies.

152-915A-24R-2 (Piece 2B, 51–52 cm) OBSERVER: SIN WHERE SAMPLED: Taken from center of flow unit.
 ROCK NAME: Plagioclase-clinopyroxene-olivine glomeroporphyritic basalt.
 GRAIN SIZE: Fine-grained.
 TEXTURE: Glomeroporphyritic, intergranular.

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
Olivine	0	0.2	0.1–0.2		Subhedral.	Replaced by green clay.
Plagioclase	2.6	2.6	1.0–1.5	An ₆₈	Subhedral.	Occurs as glomerocrysts with and without clinopyroxene.
Clinopyroxene	1.3	1.3	0.1–0.2		Subhedral.	Occurs as glomerocrysts with plagioclase or as tabular crystals.
Magnetite	2.7	2.7	0.1–0.2		Anhedral.	
GROUNDMASS						
Plagioclase	44.2	44.2	0.1–0.5	An ₃₈	Subhedral.	Occurs as thin laths or tabular crystals.
Clinopyroxene	42.6	42.6	0.05–0.1		Subhedral.	
Magnetite	2.0	2.0	0.05–0.1		Anhedral.	
Olivine	0	1.5	0.05		Anhedral.	
Mesostasis	0	2.9				
SECONDARY MINERALOGY		REPLACING/FILLING				COMMENTS
Clays	4.6	Replacement.				Replaces mesostasis and olivine.
VESICLES/CAVITIES		LOCATION	SIZE (mm)	FILLING	SHAPE	COMMENTS
Vesicles	4.7		0.2–1.5		Spherical.	Lined with zeolite (30%) and green clay (70%).

152-915A-24R-3 (Piece 1A, 0–3 cm) OBSERVER: FIT WHERE SAMPLED: Taken near group of pipe vesicles near top of flow.
 ROCK NAME: Plagioclase-olivine-clinopyroxene glomeroporphyritic basalt.
 GRAIN SIZE: Fine-grained.
 TEXTURE: Glomeroporphyritic, intergranular.

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
Olivine	0	0.7	0.1–0.2		Subhedral.	Replaced by green clay.
Plagioclase	5.1	5.1	0.5–1.0	An ₆₈	Subhedral.	Occurs as glomerocrysts with and without clinopyroxene.
Clinopyroxene	0.4	0.4	0.2–0.7		Subhedral.	
GROUNDMASS						
Plagioclase	43.2	43.2	0.05–0.1	An ₃₈	Laths.	
Clinopyroxene	41.6	41.6	0.05–0.1		Subhedral.	
Magnetite	4.7	4.7	0.05–0.1		Subhedral.	
Olivine	0	1.5	0.1		Subhedral.	Replaced by green clay.
Mesostasis	0	2.8				Replaced by clay.
SECONDARY MINERALOGY		REPLACING/FILLING				COMMENTS
Clays	3.0	Replacement.				Replaces olivine and mesostasis.
VESICLES/CAVITIES		LOCATION	SIZE (mm)	FILLING	SHAPE	COMMENTS
Vesicles	9.2		1.0–3.0		Spherical.	Lined with zeolite (30%) and green clay (70%).

SITE 915

152-915A-25R-1 (Piece 19, 72-76 cm)

OBSERVER: DEM

ROCK NAME: Plagioclase-olivine-clinopyroxene glomeroporphyritic basalt.

GRAIN SIZE: Fine-grained.

TEXTURE: Glomeroporphyritic, intergranular.

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
Olivine	0	1	0.1-0.2		Subhedral.	Replaced by green clay; occurs as microphenocrysts.
Plagioclase	3	3	1-2		Subhedral.	Occurs as glomerocrysts with clinopyroxene.
Clinopyroxene	0.6	0.6	0.2-0.5		Subhedral.	Occurs as glomerocrysts with plagioclase.
GROUNDMASS						
Plagioclase	43.9	43.9				
Clinopyroxene	42.3	42.3				
Magnetite	4.8	4.8				
Olivine	0	1.5				
Mesostasis	0	2.9				
SECONDARY MINERALOGY						
Clays	5.4	REPLACING/ FILLING Replacement.				COMMENTS Replaces olivine and mesostasis.
VESICLES/CAVITIES						
Vesicles	0.2	LOCATION	SIZE (mm)	FILLING	SHAPE	COMMENTS
					Spherical.	Lined with zeolite and green clay.