141-862A-1H-1 (Piece 1, 4–6 cm) OBSERVER: FOR WHERE SAMPLED: Subunit IA

ROCK NAME: Moderately plagioclase-hornblende phyric rhyolite.

GRAIN SIZE: Very fine- to medium-grained.

TEXTURE: Hyalopilitic and trachytic.

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
Plagioclase	3	3	0.1–1.5		Euhedral.	In part skeletal.
Hornblende	1	1	0.1–2.0		Euhedral.	Opaque mineral-rich coronas.
GROUNDMASS						
Plagioclase	40	40	0.01		Microlithic.	Hyalopilitic to pilotaxitic.
Glass	53	53	N/A.		Anhedral.	

VESICLES/ CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE	COMMENTS
Cavities	3	Dispersed.	0.5–3.0	None.	Elongate.	Irregular, no secondary minerals.

141-862A-1H-1 (Piece 2, 9–11 cm) OBSERVER: FOR WHERE SAMPLED: Subunit IA

ROCK NAME: Moderately plagioclase-hornblende phyric rhyolite.

GRAIN SIZE: Very fine- to medium-grained.

TEXTURE: Vesicular and trachytic.

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
Plagioclase	3	3	0.1–2.0		Euhedral.	Slightly glomerophyric.
Hornblende	3	3	0.1–2.0		Euhedral.	Embayed and with opaque mineral-rich coronas.
GROUNDMASS						
Plagioclase	40	40	0.1		Microlith.	Hyalopilitic, trachytic.
Glass	51	51	N/A.		Anhedral.	

VESICLES/ CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE	COMMENTS
Vesicles	3	Dispersed.	0.5–4.0	None.	Elongate.	Irregular in outline.

141-862B-1W-1 (Piece 2, 7–12 cm) OBSERVER: KUR WHERE SAMPLED: Subunit IA

ROCK NAME: Moderately plagioclase-hornblende phyric rhyolite.

GRAIN SIZE: Fine-grained.

TEXTURE: Trachytic, hyalopilitic.

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
Plagioclase	3	3	0.1–1.5		Euhedral.	
Hornblende	tr	tr	0.3–1.0		Euhedral to subhedral.	
GROUNDMASS						
Plagioclase	70	70	0.15		Subhedral.	
Hornblende	tr	tr	0.05		Subhedral.	
Opaque minerals	10	10	0.02		Subhedral.	
Glass	17	17	0.05		Anhedral.	

VESICLES/ CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE
Vesicles	None.				

141-862B-1W-1 (Piece 5, 33–42 cm) OBSERVER: KUR WHERE SAMPLED: Subunit IA or IB

ROCK NAME: Moderately plagioclase-hornblende phyric dacite.

GRAIN SIZE: Fine-grained.

TEXTURE: Trachytic.

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
Plagioclase	3	3	0.1–2.0		Euhedral.	
Hornblende	1	1	0.3–1.0		Subhedral.	With coronas.
GROUNDMASS						
Plagioclase	65	65	0.1		Euhedral.	
Hornblende	tr	tr	0.1		Subhedral.	With coronas.
Pyroxene	tr	tr	0.1		Euhedral.	
Opaque minerals	10	10	0.01		Subhedral.	
Glass	15	20	0.1		Anhedral.	

SECONDARY MINERALOGY	PERCENT	REPLACING/ FILLING	COMMENTS
Glass	5	Glass.	Devitrified.

VESICLES/ CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE
Vesicles	10	Dispersed.	0.5–4.0	None.	Elongate.

141-862B-3X-1 (Piece 15, 93–101 cm) OBSERVER: LIN WHERE SAMPLED: Subunit IIb

ROCK NAME: Highly plagioclase-clinopyroxene-olivine phyric basalt.

GRAIN SIZE: Fine-grained.

TEXTURE: Porphyritic, variolitic.

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
Plagioclase	25	25	0.1–1.5		Euhedral.	In part variolitic.
Pyroxene	3	3	0.1–1.5		Euhedral to subhedral.	
Olivine	2	2	0.1–0.2		Euhedral to subhedral.	Skeletal.
GROUNDMASS						
Plagioclase	40	40	0.01–0-0.1		Euhedral.	Microlites and laths.
Glass	10	30	N/A.		Anhedral.	

SECONDARY MINERALOGY	REPLACING/ PERCENT	FILLING	COMMENTS
Palagonite	20	Glass.	Cloudy reddish brown to yellowish red replacement of dark blackish brown glass that surrounds microlites of plagioclase.

VESICLES/ CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE
Vesicles	None.				

141-862B-4X-1 (Piece 2, 8–18 cm) OBSERVER: KUR WHERE SAMPLED: Subunit IIc

ROCK NAME: Moderately plagioclase-hornblende phyric rhyolite.

GRAIN SIZE: Fine-grained.

TEXTURE: Trachytic.

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
Plagioclase	5	5	0.1–0.7		Euhedral.	
Hornblende	2	2	0.1–0.4		Subhedral to euhedral.	With opaque mineral-rich coronas.
GROUNDMASS						
Plagioclase	63	63	0.05		Subhedral.	
Opaque minerals	10	10	0.05		Subhedral.	
Glass	20	20	0.01		Subhedral.	
Clinopyroxene	tr	tr	0.1		Anhedral.	

SECONDARY MINERALOGY	PERCENT	REPLACING/ FILLING	COMMENTS
None.			

VESICLES/ CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE	COMMENTS
Vesicles	7	Dispersed.	0.3–4.0	None.	Elongate.	Aligned with plagioclase laths.

COMMENTS: Fresh rock.

141-862B-4X-1 (Piece 3, 21–28 cm) OBSERVER: FOR WHERE SAMPLED: Subunit IId

ROCK NAME: Highly plagioclase-clinopyroxene phyric basalt.

GRAIN SIZE: Fine-grained.

TEXTURE: Variolitic.

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
Plagioclase	40	50	<0.5		Subhedral.	
Pyroxene	10	25	0.2		Anhedral.	
Olivine	tr	tr	0.1		Anhedral.	
GROUNDMASS						
Glass	5	15	0.2		Anhedral.	
Opaque minerals	10	10	0.01		Anhedral.	

SECONDARY MINERALOGY	PERCENT	REPLACING/ FILLING	COMMENTS
Chlorite	15	Pyroxene, olivine, glass.	
Sericite	10	Plagioclase.	
Smectite	5	Glass, pyroxene.	
Carbonate	5	Plagioclase.	

VESICLES/ CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE
Vesicles/amygdules	5	Dispersed.	0.7–2.0	Filled with groundmass secondary mineral assemblage.	Spherical.

141-862B-4X-2 (Piece 6, 40–45 cm) OBSERVER: LIN WHERE SAMPLED: Subunit IIf

ROCK NAME: Highly plagioclase-pyroxene-olivine basalt.

GRAIN SIZE: Fine-grained.

TEXTURE: Subophitic, intersertal.

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
Plagioclase	35	35	0.05–1.5		Euhedral.	Partly surrounded by pyroxene.
Pyroxene	25	25	0.05–0.5		Subhedral.	Surrounds parts of plagioclase laths.
Olivine	10	10	0.1		Euhedral.	Small clumps and isolated grains.
GROUNDMASS						
Glass	0	25	N/A.		Anhedral.	

SECONDARY MINERALOGY	PERCENT	REPLACING/ FILLING	COMMENTS
Palagonite	25	Glass.	Forms alteration rims around vesicles.

VESICLES/ CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE	COMMENTS
Vesicles	5	Dispersed.	0.3		Spherical.	With alteration rims of palagonite.

141-862B-4X-2 (Piece 18, 124–130 cm) OBSERVER: LIN WHERE SAMPLED: Subunit IIf

ROCK NAME: Highly plagioclase-pyroxene-olivine basalt.

GRAIN SIZE: Very fine- to medium-grained.

TEXTURE: Subophitic, hypocrystalline.

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
Plagioclase	33	33	0.05–4.5		Euhedral.	Skeletal.
Pyroxene	10	10	0.1–0.5		Euhedral to subhedral.	
Olivine	5	5	0.05–0.1		Subhedral to euhedral.	
GROUNDMASS						
Plagioclase	40	40	0.01–0.1		Subhedral.	
Pyroxene	4	4	0.01–0.15		Subhedral.	
Opaque minerals	1	1	0.001–0.01		Subhedral.	
Glass	0	6	N/A.		Anhedral.	

SECONDARY MINERALOGY	PERCENT	REPLACING/ FILLING	COMMENTS
Palagonite	5	Glass.	
Celadonite(?)	1	Groundmass.	

VESICLES/ CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE	COMMENTS
Amgdules	<1%	Dispersed.	0.9		Spherical.	Has brownish hypocrystalline assemblage as filling with inward radiating sheaths of microlites.

141-862C-1W-1 (Piece 4, 47–52 cm) OBSERVER: FOR WHERE SAMPLED: Subunit IIb

ROCK NAME: Highly plagioclase-hornblende phyric dacite.

GRAIN SIZE: Very fine- to medium-grained.

TEXTURE: Hyalopilitic to trachytic and glomerophyric.

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
Plagioclase glomerophyric	10	10	0.4–2.0		Subhedral.	
Hornblende	3	3	0.3–3.0		Euhedral.	Stubby prismatic forms with opaque mineral-rich coronas.
GROUNDMASS						
Plagioclase	80	90	0.7		Euhedral.	
Opaque minerals	3	3	0.1		Euhedral to subhedral.	
Hornblende	1	1	0.1		Euhedral.	

VESICLES/ CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE	COMMENTS
Vesicles	3	Dispersed.	0.5–3.0	None.	Elongate.	Irregular.

COMMENTS: Light brown glass is dispersed within the larger plagioclase phenocrysts.

141-862C-1W-1 (Piece 6, 56–61 cm) OBSERVER: FOR WHERE SAMPLED: Subunit IIc

ROCK NAME: Highly phyric plagioclase-pyroxene basalt.

GRAIN SIZE: Fine-grained.

TEXTURE: Hypocrystalline to intersertal with variolitic texture.

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
Plagioclase	30	30	0.1–1.0		Subhedral.	Unoriented laths.
Pyroxene	10	10	0.3–1.0		Tabular/prismatic.	Partly embayed.
Olivine	tr	tr	0.1–0.5		Subhedral.	
GROUNDMASS						
Plagioclase	20	20	<0.1		Subhedral.	Skeletal and microlitic.
Pyroxene	20	20	<0.1		Subhedral.	
Opaque minerals	15	15	<0.1		Euhedral to subhedral.	

SECONDARY MINERALOGY	PERCENT	REPLACING/ FILLING	COMMENTS
Chlorite(?)	1	Groundmass.	
Celadonite(?)	2	Groundmass.	
Palgonite(?)	2	Groundmass.	

VESICLES/ CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE
Vesicles	None.				

141-862C-3R-1 (Piece 1, 1–9 cm) OBSERVER: LIN WHERE SAMPLED: Subunit IId

ROCK NAME: Highly plagioclase-hornblende phyric dacite.

GRAIN SIZE: Fine- to medium-grained.

TEXTURE: Phyric and trachytic.

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
Plagioclase	14	14	0.05–1.0		Euhedral to subhedral.	Zoned and with inclusions.
Hornblende	4	4	0.1–1.2		Subhedral.	Olive green to light brown non-pleochroic to strongly pleochroic.
Opaque minerals	tr	tr	0.2–0.4		Anhedral.	
Pyroxene	tr	tr	0.05–0.2		Euhedral.	
GROUNDMASS						
Plagioclase	57	57	0.05–0.15		Euhedral to subhedral.	
Opaque minerals	2	2	0.015–0.025		Subhedral.	
Pyroxene	1	1	0.05–0.1		Subhedral.	
Glass	15	15	0.1–0.15		Anhedral.	Cloudy isotropic.

VESICLES/ CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE	COMMENTS
Vesicles	7	Dispersed.	0.3–1.2	Open.	Elongate.	Irregular outlines, no alteration or filling.

141-862C-3R-1 (Piece 2, 10–14 cm) OBSERVER: LIN WHERE SAMPLED: Subunit IIe

ROCK NAME: Moderately plagioclase phyric basalt.

GRAIN SIZE: Very fine- to fine-grained.

TEXTURE: Vesicular, amygdular, and variolitic to hypocrystalline.

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
Plagioclase	6	6	0.2–1.0		Euhedral to subhedral.	Some nucleate at pyroxene phenocrysts in radial sheaths.
Olivine	1	1	0.2–0.4		Subhedral to anhedral.	
Pyroxene	1	1	0.2–0.7		Euhedral to subhedral.	
GROUNDMASS						
Plagioclase	42	42	0.05–0.2		Euhedral to subhedral.	
Glass	12	38	N/A.		Anhedral.	
Opaque minerals	tr	tr	<0.001		Subhedral.	
Pyroxene	tr	tr	0.01–0.2		Subhedral.	

SECONDARY MINERALOGY	PERCENT	REPLACING/ FILLING	COMMENTS
Palagonite	26	Glass.	

VESICLES/ CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE	COMMENTS
Vesicles	12	Dispersed.	0.5–10.0	Ground-mass.	Spherical.	Some are amygdular to irregular.

141-862C-5R-1 (Piece 2, 11–18 cm) OBSERVER: FOR WHERE SAMPLED: Subunit IIf

ROCK NAME: Highly plagioclase-hornblende phyric dacite.

GRAIN SIZE: Very fine- to medium-grained.

TEXTURE: Vesicular, trachytic, and glomerophyric.

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
Plagioclase	25	25	0.2–1		Subhedral to euhedral.	Glomerophyric.
Hornblende	5	5	0.1–1.4		Euhedral to subhedral.	Large phenocrysts are associated with glomerophyric plagioclase.
Pyroxene	1	1	0.2–0.5		Euhedral.	Associated with glomerophyric plagioclase.
Opaque minerals	1	1	0.2–0.4		Euhedral to subhedral.	Some hexagonal prismatic forms are present.
GROUNDMASS						
Plagioclase	57	57	<0.1	Microlites.	Euhedral.	Aligned locally, but disoriented on a large scale.
Glass	6	6	N/A.		Anhedral.	
Opaque minerals	2	2	<0.1		Suhedral	

VESICLES/ CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE	COMMENTS
Vesicles	3	Dispersed.	0.5–3.0	None.	Elongate.	Irregular margins.

COMMENTS: Some pale brown glass is present in the larger plagioclase phenocrysts.

141-862C-6R-1 (Piece 4, 25–30 cm) OBSERVER: VEG WHERE SAMPLED: Subunit IIg

ROCK NAME: Moderately plagioclase-clinopyroxene-olivine phyric basalt.

GRAIN SIZE: Fine-grained.

TEXTURE: Hypocrystalline-variolitic.

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
Plagioclase	10	10	1–2.5.0		Euhedral.	Tabular, some zoned.
Clinopyroxene	3	3	0.3–0.6		Euhedral.	
Olivine	1	1	0.3		Anhedral.	
GROUNDMASS						
Plagioclase	5	5	0.3–0.6		Subhedral.	Fine radial aggregate.
Glass	81	81	N/A.		Anhedral.	Devitrified.

VESICLES/ CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE
Vesicles	None.				

141-862C-6R-1 (Piece 6, 37–45 cm) OBSERVER: FOR WHERE SAMPLED: between flows; Subunit IIh

ROCK NAME: Metasandstone.

GRAIN SIZE: Fine- to coarse-grained.

TEXTURE: Cross-laminated.

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
Sand	60	60	0.01–2		Angular to subangular.	
Spar calcite	20	20	0.05		Cement.	
Clay and silt	20	20	<0.05		Dispersed.	

VESICLES/ CAVITIES SHAPE	PERCENT	LOCATION	SIZE (mm)	FILLING
Vesicles	None.			

COMMENTS: In coarser layers there are volcanic clasts with glass and tests of foraminifers.

141-862C-6R-1 (Piece 10, 69–75 cm) OBSERVER: FOR WHERE SAMPLED: Subunit IIg

ROCK NAME: Highly plagioclase-pyroxene phyric basalt.

GRAIN SIZE: Very fine- to medium-grained.

TEXTURE: Subophitic, intersertal.

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
Plagioclase	20	20	1.0–2.0		Euhedral to subhedral.	Fresh; acicular in aggregates. Radial.
Clinopyroxene	5	5	0.3–1.6		Eubhedral to subhedral.	
GROUNDMASS						
Glass	75	75				Devitrified.

VESICLES/ CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE	COMMENTS
Vesicles	None.					

141-862C-7R-1 (Piece 4, 18–21 cm) OBSERVER: FOR WHERE SAMPLED: Subunit IIk

ROCK NAME: Highly plagioclase-pyroxene phyric basalt.

GRAIN SIZE: Very fine- to medium-grained.

TEXTURE: Subophitic.

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
Plagioclase	40	40	0.02–3.5		Euhedral.	Skeletal laths within groundmass.
Pyroxene	18	18	0.02–0.2		Subbhedral.	
Olivine	2	2	0.05–0.2		??hedral.	
GROUNDMASS						
Pyroxene	25	25	0.001–0.02		Subhedral.	
Plagioclase	3	3	0.001–0.02		Subhedral.	
Opaque minerals	2	2	0.001–0.005		Subhedral.	
Glass	0	10	N/A.		Anhedral.	

SECONDARY MINERALOGY	PERCENT	REPLACING/ FILLING	COMMENTS
Palagonite	10	Glass.	

VESICLES/ CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE	COMMENTS
Vesicles	<1	Rare.	0.5–2.0	Groundmass.	Spherical.	Thin section has material removed in irregular areas of amygdules.

141-862C-7R-1 (Piece 8, 46–52 cm) OBSERVER: LIN WHERE SAMPLED: Subunit IIl

ROCK NAME: Highly plagioclase-pyroxene phyric basalt.

GRAIN SIZE: Very fine- to coarse-grained.

TEXTURE: Subophitic, intrasertal.

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
Plagioclase	56	56	0.02–0.75		Euhedral.	Occurs as fans and sheaths of skeletal crystals.
Pyroxene	13	13	0.02–0.75		Subhedral.	
Olivine	2	2	0.02–0.75		Euhedral.	
Opaque minerals	tr	tr	0.02–0.04		Subhedral.	
GROUNDMASS						
Pyroxene	12	12	0.01–0.02		Subhedral.	
Opaque minerals	1	1	0.001–0.01		Subhedral.	
Plagioclase	4	4	0.005–0.02		Subhedral.	
Glass	0	5				

SECONDARY MINERALOGY	REPLACING/ PERCENT	FILLING	COMMENTS
Palagonite	5	Glass.	

VESICLES/ CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE	COMMENTS
Vesicles	7	Dispersed.	0.5–9.0	None.	Spherical to irregular.	Lined with palagonite.

141-862C-8R-1 (Piece 3, 13–21 cm) OBSERVER: KUR WHERE SAMPLED: Subunit IIm

ROCK NAME: Highly plagioclase-clinopyroxene phyric basalt.

GRAIN SIZE: Fine-grained.

TEXTURE: Aphyric.

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPO-SITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
Plagioclase	27	30	1.0		???hedral	
GROUNDMASS						
Plagioclase	10	20	0.20		Subhedral.	
Pyroxene	20	40	0.15		Subhedral.	
Olivine	tr	tr	0.1		Subhedral.	
Opaque minerals	5	5	0.01		Subhedral.	
Glass	2	5	0.05		Anhedral.	

SECONDARY MINERALOGY	PERCENT	REPLACING/ FILLING	COMMENTS
Chlorite	15	Pyroxene, olivine.	
Sericite	10	Plagioclase.	
Smectite	10	Glass, pyroxene.	

VESICLES/ CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE
Vesicles	1		0.5	?	Spherical.