

145-887D-4R-4 (Piece 5, 49–50 cm)

OBSERVER: KEL

WHERE SAMPLED: Flow interior

ROCK NAME: Highly plagioclase-clinopyroxene phyric basalt

GRAIN SIZE: Medium- to fine-grained.

TEXTURE: Intergranular.

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
<b>PHENOCRYSTS</b>						
Plagioclase	35		1.0–3.0		Subhedral.	Slightly to moderately altered.
Clinopyroxene	30		1.0–5.0		Subhedral to anhedral.	Slightly to moderately altered.
<b>GROUNDMASS</b>						
Opaque minerals	2		<0.4		Euhedral to subhedral.	
<b>SECONDARY MINERALOGY</b>						
Clay	33	REPLACING/ FILLING				COMMENTS Mostly light brown, some medium brown, rare green.

145-887D-7R-3 (Piece 5A, 67–70 cm)

OBSERVER: KEL

WHERE SAMPLED: Flow interior

ROCK NAME: Highly clinopyroxene-plagioclase phyric basalt

GRAIN SIZE: Medium- to fine-grained.

TEXTURE: Intergranular.

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
<b>PHENOCRYSTS</b>						
Plagioclase	25		1.0–2.0		Subhedral.	Moderately to highly altered.
Clinopyroxene	32		<2.0	Ti-augite?	Subhedral to anhedral.	Moderately to highly altered.
Opaque minerals	3		<1.5		Euhedral to subhedral.	Some as parallel needles.
<b>SECONDARY MINERALOGY</b>						
Clay	40	REPLACING/ FILLING				COMMENTS Colorless to light brown.

145-887D-10R-2 (Piece 12H, 68–71 cm)

OBSERVER: KEL

WHERE SAMPLED: Flow interior

ROCK NAME: Highly plagioclase-clinopyroxene phyric basalt

GRAIN SIZE: Fine- to medium-grained.

TEXTURE: Intersertal.

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
<b>PHENOCRYSTS</b>						
Plagioclase	15		1.0–2.0		Subhedral.	Moderately to highly altered.
Clinopyroxene	8		1.0–2.0		Subhedral to anhedral.	Moderately to highly altered.
Opaque minerals	5		<2.0		Globular.	Maybe iron oxide.
Opaque minerals	2		<0.5		Euhedral to subhedral.	
<b>SECONDARY MINERALOGY</b>						
Clay	70	REPLACING/ FILLING				COMMENTS Medium brown.
<b>VESICLES/CAVITIES</b>						
Vesicles	5	LOCATION	SIZE (mm)	FILLING	SHAPE	COMMENTS
			<2.0		Round	Lined with alteration products.

COMMENTS: Thin section is a bit thick and in poor condition.

145-887D-13R-1 (Piece 4, 18-21 cm)  
 ROCK NAME: Aphyric basalt.  
 GRAIN SIZE: Microcrystalline to glass.  
 TEXTURE: Spherulitic to glassy.

OBSERVER: KEL

WHERE SAMPLED: Glass margin

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
Spherulites	90					100% glass at margin.
SECONDARY MINERALOGY	PERCENT	REPLACING/ FILLING				COMMENTS
Clay	10	Groundmass				Golden brown to colorless.
VESICLES/ CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE	COMMENTS
Vesicles	1		<1.0		Irregular	Lined with brown alteration products.