I.D.	1040C	52R-3	56-58 cm	Piece 8	Described by: jm	Date: 11/27 and 12/1
ROCK NAME:	Baked Sediment					
GRAIN SIZE:	Cryptocrystalline					
TEXTURE:	Holocrystalline					

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPO-SITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
Olivine						
Plagioclase						
Orthopyroxene						
Clinopyroxene						
Opaque						
GROUNDMASS						
Plagioclase						
Olivine						
Clinopyroxene						
Mesostasis						
Glass	1.0	0.0			along grain boundaries	?clear glass altered to zeolite
Opaques	0.0					
Pyrite						
Chalcopyrite						
Quartz	95.0	95.0	≤0.001mm		anhedral	
Carbonate	4.0		≤0.001		anhedral	extensively resorbed, in pods and stringers

SECONDARY MINERALOGY	PERCENT	REPLACING/ FILLING	COMMENTS:
TOTAL	1		
Saponite			
Fibrous zeolite	1	glass	

VESICLES/ CAVITIES	PERCENT	DISTRIBUTION	SIZE (mm)	FILLING	SHAPE	COMMENTS:
Vesicles						
Vugs						

COMMENTS:

I.D.	1040C	52R-4	5-12 cm	Piece 2	Described by: jm	Date: 11/26 and 12/1/96
ROCK NAME:	Plagioclase gabbro					
GRAIN SIZE:	Fine grained with medium glomerophenocrysts					
TEXTURE:	Glomeroporphyritic with seriate porphyritic intergranular to intersertal matrix					

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPO-SITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
Olivine						
Plagioclase	15.0	12.0	≤3		euhedral-subhedral	in glomerophenocrysts
	15.0	15.0	≤0.25		euhedral laths	
Orthopyroxene						
Clinopyroxene	1.0	1.0	≤1	Augite	euhedral-subhedral	in glomerophenocrysts
Opaque	0.0					
GROUNDMASS						
Plagioclase	19.0	19.0	≤0.01		laths and anhedral	laths in rosettes and sprays, anhedral grains between laths, in interstitial glass pockets
Olivine						
Clinopyroxene						
Mesostasis						
Glass	50.0	5.0	≤0.1		interstitial; glass-rich layer	dark brown glass palagonitized and partially chloritized
Opaques	tr		≤0.005		often acicular	in interstitial glass
Pyrite			≤0.005			
Chalcopyrite	tr				cubes to blebs	in interstitial glass

SECONDARY MINERALOGY	PERCENT	REPLACING/ FILLING	COMMENTS:
TOTAL	48		
Saponite	48	glass, plagioclase gloms	
Chlorite	tr	glass	

VESICLES/ CAVITIES	PERCENT	DISTRIBUTION	SIZE (mm)	FILLING	SHAPE	COMMENTS:
Vesicles						
Vugs						

COMMENTS: Plagioclase and plagioclase -pyroxene glomerophenocrysts. 5-mm wide glass-rich band in middle of section.

I.D.	1040C	52R-4	62-67 cm	Piece 8	Described by: jm	Date: 11/26 and 12/2 96
ROCK NAME:	Pyroxene gabbro					
GRAIN SIZE:	Fine grained with medium-coarse glomerophenocrysts					
TEXTURE:	Glomerophenocrystic with intergranular-intersertal matrix					

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPO-SITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
Olivine						
Plagioclase	28.0	15.0	≤6	An 90	euhedral to subhedral	in glomerocrysts. Some with oscillatory zoning. Often strained or fractured
	30.0	30.0	≤0.3	An 78	euhedral laths	often in rosettes, sprays
Orthopyroxene						
Clinopyroxene	5.0	5.0	≤1.2	augite	euhedral-subhedral	in glomerophenocrysts
	30.0	30.0	≤0.15	augite	subhedral-anhedral	
Opaque	2.0	2.0	0.1	?Ti-mag	cubic-subhedral	no exsolution lamellae
GROUNDMASS						
Plagioclase						
Olivine						
Clinopyroxene						
Mesostasis						
Glass	5.0	0.0			interstitial pockets	green brown, altered to chlorite and palagonite
Opaques	tr					
Pyrite						
Chalcopyrite	tr					

SECONDARY MINERALOGY	PERCENT	REPLACING/ FILLING	COMMENTS:
TOTAL	8		
Saponite	3	glass, plagioclase gloms	
Chlorite	5	glass	

VESICLES/ CAVITIES	PERCENT	DISTRIBUTION	SIZE (mm)	FILLING	SHAPE	COMMENTS:
Vesicles						
Vugs						

COMMENTS: Glomerophenocrysts of plagioclase only, pyroxene only, and plagioclase + pyroxene.

I.D.	1040C	53R-1	5-11 cm	Piece 1A	Described by: jm	Date:11/27 and 12/1/96
ROCK NAME:	Pyroxene gabbro					
GRAIN SIZE:	Fine grained with medium glomerocrysts					
TEXTURE:	Glomeroporphyritic with seriate porphyritic intergranular-intersertal matrix					

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPO-SITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
Olivine						
Plagioclase	10.0	9.0	≤2		euhedral-subhedral	in glomerocrysts, sometimes zoned
	15.0	15.0	0.25		euhedral laths	often in rosettes/sprays
Orthopyroxene						
Clinopyroxene	5.0	3.0	≤1.2	Augite	euhedral-subhedral	in glomerocrysts. Often partly encloses plag
Opaque						
GROUNDMASS						
Plagioclase	30.0	30.0	≤0.05		laths and ahedral	as rosettes, and interlath grains
Olivine						
Clinopyroxene	10.0	10.0	≤0.05		anhedral	
Mesostasis						
Glass	30.0	0.0			interstitial pockets	dark brown glass
Opaques	tr		≤0.002		acicular	in interstitial melt pockets
Pyrite						
Chalcopyrite	tr		≤0.002		blebs	in interstitial glass

SECONDARY MINERALOGY	PERCENT	REPLACING/ FILLING	COMMENTS:
TOTAL	31		
Saponite	16	glass, plagioclase gloms	
Chlorite	15	glass	

VESICLES/ CAVITIES	PERCENT	DISTRIBUTION	SIZE (mm)	FILLING	SHAPE	COMMENTS:
Vesicles						
Vugs						

COMMENTS: Plagioclase glomerocrysts and rare plagioclase + pyroxene glomerocrysts comprised of skeletal minerals

I.D.	1040C	53R-1	37-41 cm	Piece 1A	jm	Date: 11/26 and 112/2 96
ROCK NAME:	Pyroxene gabbro					
GRAIN SIZE:	Fine grained with medium glomerocrysts					
TEXTURE:	Glomeroporphyritic with seriate porphyritic intergranular-intersertal matrix					

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPO-SITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
Olivine						
Plagioclase	3.0	2.0	≤5		euhedral-subhedral	in glomerophenocrysts; often fractured and altered
	35.0	35.0	.05-0.5		laths	often in rosettes
Orthopyroxene						
Clinopyroxene	2.0	2.0	≤0.25		subhedral-rounded	
Opaque	2.0	2.0	≤0.1	Ti-mag?	cubic to subhedral	
GROUNDMASS						
Plagioclase	20.0	20.0	≤0.025		anhedral	
Olivine						
Clinopyroxene	33.0	33.0	<0.025		anhedral	
Mesostasis						
Glass	5.0	0.0			interstitial pockets	green-brown glass altered to chlorite, saponite, tr zeolite
Opaques	tr					
Pyrite						
Chalcopyrite	tr					

SECONDARY MINERALOGY	PERCENT	REPLACING/ FILLING	COMMENTS:
TOTAL	6		
Saponite	2	glass, plagioclase gloms	
Chlorite	4	glass	
Zeolite	tr	glass	

VESICLES/ CAVITIES	PERCENT	DISTRIBUTION	SIZE (mm)	FILLING	SHAPE	COMMENTS:
Vesicles						
Vugs						

COMMENTS: Plagioclase glomerophenocrysts, very rare pyroxene glomerophenocrysts comprised of sub-rounded grains.

I.D.	1040C	53R-2	28-31 cm	Piece 4	Described by: jm	Date: 11/27 and 12/1/96
ROCK NAME:	Pyroxene gabbro					
GRAIN SIZE:	Fine grained with medium glomerocrysts					
TEXTURE:	Glomeroporphyritic with seriate porphyritic intergranular-intersertal matrix					

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPO-SITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
Olivine						
Plagioclase	7.0	6.0	≤4		euhedral-subhedral	in glomerophenocrysts
	25.0	25.0	≤0.15		laths	often in rosettes/sprays
Orthopyroxene						
Clinopyroxene	3.0	3.0	≤0.4	augite	subhedral-rounded	
Opaque						
GROUNDMASS						
Plagioclase	20.0	20.0	≤0.02		anhedral	
Olivine						
Clinopyroxene	33.0	33.0	≤0.02		anhedral	
Mesostasis						
Glass	10.0	0.0			interstitial	altered to saponite, chlorite and tr. zeolite
Opaques	1.0	1.0	<0.08	Ti-mag	cubic-subhedral	larger grains with exsolution lamellae
Pyrite						
Chalcopyrite						

SECONDARY MINERALOGY	PERCENT	REPLACING/ FILLING	COMMENTS:
TOTAL	15		
Saponite	10	glass, plagioclase gloms	
Chlorite	5	glass	
Zeolite	tr	glass	

VESICLES/ CAVITIES	PERCENT	DISTRIBUTION	SIZE (mm)	FILLING	SHAPE	COMMENTS:
Vesicles						
Vugs	2	irregular	≤2		rounded	clay, chlorite and zeolite

COMMENTS: plagioclase, pyroxene (sub-rounded grains) and plagioclase-pyroxene glomerocrysts

Note: tr = trace.