



THIN SECTION: 330-U1375B-1R-1-W 1_3-BILLET227-SLIDE 227
 ROCK NAME: Gabbro / Microgabbro
 WHERE SAMPLED: representative of 'microgabbro' (clast) in UNIT I
 GRAINSIZE: medium grained
 TEXTURE: intergranular & holocrystalline

Piece No: Unit:I

OBSERVER:THIN SECTION:SLIDE 227

PRIMARY MINERALOGY	PERCENT ORIGINAL	REL. VOL. REPLACED	SIZE(mm)			MORPHOLOGY	VESICLE SPHERICITY	VESICLE Infilling [%]	COMMENTS
			min.	max.	mode.				
PHENOCRYSTS									
MICROPHENOCRYST									
GROUNDMASS	100								
apatite	1			0.2	0.1	euhedral			basal hexagonal sections and prismatic sections
augite	8			0.8	0.2	subhedral to anhedral[330]			rich in titanium
olivine	4	100		2.8	1.2	euhedral to anhedral[330]			altered to iddingsite, magnetite
plagioclase	82			2.4	1.6	tabular			
magnetite	5			0.8	0.2	euhedral to anhedral[330]			

SECONDARY MINERALOGY	SIZE(mm)			REPLACING/FILLING	COMMENTS
	min.	max.	mode.		

STRUCTURE No structure in groundmass. Veins 0.1 mm wide with green clay & Fe-oxides. Irregular vein shape.
 COMMENTS

SUMMARY DESCRIPTION



THIN SECTION: 330-U1375B-1R-1-W 57_59-BILLET228-SLIDE 228 Piece No: Unit:I OBSERVER:THIN SECTION:SLIDE 228
 ROCK NAME: Gabbro / Microgabbro
 WHERE SAMPLED: veined area of 'microgabbro' (clast) in UNIT I
 GRAINSIZE: medium grained
 TEXTURE: intergranular & holocrystalline

PRIMARY MINERALOGY	PERCENT ORIGINAL	REL. VOL. REPLACED	SIZE(mm)			MORPHOLOGY	VESICLE SPHERICITY	VESICLE Infilling [%]	COMMENTS
			min.	max.	mode.				
PHENOCRYSTS									
MICROPHENOCRYST									
GROUNDMASS	100								
olivine	4	100		1.5	1	anhedral		altered to iddingsite and clays	
augite	10			1	0.2	subhedral		pinkish, titan-augite	
magnetite	2			0.7	0.2	euhedral to anhedral[330]		oxidizing to hematite	
plagioclase	83			1.6	1.5	tabular			
apatite	1			0.2	0.1	euhedral			

SECONDARY MINERALOGY	SIZE(mm)			REPLACING/FILLING	COMMENTS
	min.	max.	mode.		

STRUCTURE no structure in groundmass. Veins (0.1 to 0.5 mm) filled by carbonate, goethite & smectite, black clays; 2 generations of veins; veins (straight)
 COMMENTS

SUMMARY DESCRIPTION