

General Information			
Sample Name (IGSN)	EX1504L4-D9-5		
Describer	Kevin Konrad		
Sample Location	South Karin Ridge		
Lithology prefix	heavily altered		
General Lithology	basalt		
Texture 1	vesicular		
Texture 2			
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	2	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	98	Check [Or = Pr + Rf]	OK
Total Groundmass Original (%)	100	Check [Gp + Gl + Ms = 100%]	OK
Total Groundmass Present (%)	0	Check [Or = Pr + Rf]	OK
Total Groundmass Replaced (%)	100	Check [Or = Pr + Rf]	OK
Whole Rock Summary	A heavily altered fine grained basalt with a massive Mn crust. Sample is vesicular with some infilling.		
Thin Section Summary	A heavily altered greyish basalt with a few clinopyroxene grains that contain alteration rims. Vesicles range from completely infilled to partially alteration infill.		

Whole Rock



Transmitted Light



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]				5			20	75
Present (%) [Pr]				2			15	0
Replaced / Filled (%) [Rf]				3			5	75
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)				0.4			1	
Maximum Size (mm)				0.4			1.2	
Modal Size (mm)				0.4			1	
Shape				an-subhedral			rounded	
Habit								
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features								
Comments				Mostly alteration products now.			Contain palagonite 'worm' looking alteration.	

Cross Polarized



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]								100
Present (%) [Pr]								0
Replaced / Filled (%) [Rf]								100
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)								
Maximum Size (mm)								
Modal Size (mm)								
Shape								
Habit								
Comments								Mushy grey alteration. May have been a phonolite-like nepheline groundmass but that's speculative.