

General Information			
Sample Name (IGSN)	EX1504L4-D10-1		
Describer	Kevin Konrad		
Sample Location	Mid Karin Ridge		
Lithology prefix			
General Lithology	basalt		
Texture 1	aphyric		
Texture 2	vesicular		
Whole Rock Original (%)	100	Check [ Ph + Vs + Gm = 100% ]	OK
Whole Rock Present (%)	10	Check [ Or = Pr + Rf ]	OK
Whole Rock Replaced (%)	90	Check [ Or = Pr + Rf ]	OK
Total Groundmass Original (%)	100	Check [ Gp + Gl + Ms = 100% ]	OK
Total Groundmass Present (%)	10	Check [ Or = Pr + Rf ]	OK
Total Groundmass Replaced (%)	90	Check [ Or = Pr + Rf ]	OK
Whole Rock Summary	A highly vesicular and fine grained basalt that grades from a altered very fine rim to a grey core. The vesicles are completely calcite filled at the core of the sample while the rim contains less infilling. The sample has a thin Mn coat		
Thin Section Summary	A heavily altered aphyric basalt with large circular vesicles. Some vesicles are completely infilled with calcite, some vesicles are coated with palagonite. The groundmass is highly altered with some plagioclase laths.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]	Cross Polarized
Original (%) [ Or ]							40	60	
Present (%) [ Pr ]							20	6	
Replaced / Filled (%) [ Rf ]							20	54	
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK	
Minimum Size (mm)							0.8		
Maximum Size (mm)							1.4		
Modal Size (mm)							1		
Shape							rounded		
Habit									
Zonation Type									
Zonation Extent									
Exsolution Type									
Special Features									
Comments							Some 100% calcite filled some 0% filled. Occasional palagonite rims		



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [ Or ]	20	10						70
Present (%) [ Pr ]	0	10						0
Replaced / Filled (%) [ Rf ]	20	0						70
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.05	0.01						
Maximum Size (mm)	0.1	0.05						
Modal Size (mm)	0.05	0.02						
Shape	anhedral							
Habit								
Comments	iddingsite	laths, minorly aligned						Alteration.