

General Information			
Sample Name (IGSN)	EX1504L4-D11-1		
Describer	Kevin Konrad		
Sample Location	Karin Ridge Top		
Lithology prefix			
General Lithology	basalt		
Texture 1	aphyric		
Texture 2	vesicular		
Whole Rock Original (%)	100	Check [ Ph + Vs + Gm = 100% ]	OK
Whole Rock Present (%)	70	Check [ Or = Pr + Rf ]	OK
Whole Rock Replaced (%)	30	Check [ Or = Pr + Rf ]	OK
Total Groundmass Original (%)	100	Check [ Gp + Gl + Ms = 100% ]	OK
Total Groundmass Present (%)	70	Check [ Or = Pr + Rf ]	OK
Total Groundmass Replaced (%)	30	Check [ Or = Pr + Rf ]	OK
Whole Rock Summary	A heavily altered basalt with some iddingsite grains throughout. Sample is vesicular with calcite infill. The rim of the rock is slightly darker colored and contains less vesicle infill. The rock has a Mn coat.		
Thin Section Summary	A aphyric basalt with large circular vesicles that are infilled with calcite. The groundmass consists of calcite, small plagioclase laths, iddingsite and altered glass.		

## Whole Rock



## Transmitted Light



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [ Or ]								100
Present (%) [ Pr ]								70
Replaced / Filled (%) [ Rf ]								30
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)								
Maximum Size (mm)								
Modal Size (mm)								
Shape								
Habit								
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features								
Comments								

## Cross Polarized



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [ Or ]	25	5			2			68
Present (%) [ Pr ]	0	5			2			0
Replaced / Filled (%) [ Rf ]	25	0			0			68
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.1	0.05			0.05			
Maximum Size (mm)	0.2	0.075			0.05			
Modal Size (mm)	0.1	0.05			0.05			
Shape	anhedral	subhedral						
Habit								
Comments	iddingsite	Some fairly clean grains						Lots of calcite in the groundmass.