

General Information			
Sample Name (IGSN)	EX1504L4-D3-1		
Describer	Kevin Konrad		
Sample Location	Karin Seamount East Ridge		
Lithology prefix	heavily altered		
General Lithology	basalt		
Texture 1	vesicular		
Texture 2	porphyritic		
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 (%)	5	Check [ Or = Pr + Rf ]	OK
Total Groundmass Replaced (%)	95	Check [ Or = Pr + Rf ]	OK
Whole Rock Summary	An fine grained altered basalt that grades towards an altered glassier rim. Sample contains vesicles infilled with plagonite and possible rare calcite. Sample has a thin Mn crust.		
Thin Section Summary	A nearly completely altered sample with some plagioclase phenocrysts and altered groundmass with some plagioclase. Plagioclase phenocrysts contain spongy textures. Vesicles are circular with minimal to complete infill. Thin section contains a piece of Mn crust as well.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]	Cross Polarized
Original (%) [ Or ]		5					30	65	
Present (%) [ Pr ]		3					15	3	
Replaced / Filled (%) [ Rf ]		2					15	62	
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK	
Minimum Size (mm)		0.4					0.4		
Maximum Size (mm)		1.8					0.8		
Modal Size (mm)		1					0.5		
Shape		subhedral					rounded		
Habit									
Zonation Type									
Zonation Extent									
Exsolution Type									
Special Features									
Comments							Palagonite coating		



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [ Or ]		15						85
Present (%) [ Pr ]		12						0
Replaced / Filled (%) [ Rf ]		3						85
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		0.05						
Maximum Size (mm)		0.1						
Modal Size (mm)		0.075						
Shape		subhedral						
Habit								
Comments		lath like						Altered