

General Information			
Sample Name (IGSN)	EX1504L2-D1-2		
Describer	Kevin Konrad		
Sample Location	East Necker Seamount		
Lithology prefix			
General Lithology	Basalt		
Texture 1	Aphanitic		
Texture 2	Vesicular		
Whole Rock Original (%)	100	Check [ Ph + Vs + Gm = 100% ]	OK
Whole Rock Present (%)	50	Check [ Or = Pr + Rf ]	OK
Whole Rock Replaced (%)	50	Check [ Or = Pr + Rf ]	OK
Total Groundmass Original (%)	100	Check [ Gp + Gl + Ms = 100% ]	OK
Total Groundmass Present (%)	40	Check [ Or = Pr + Rf ]	OK
Total Groundmass Replaced (%)	60	Check [ Or = Pr + Rf ]	OK
Whole Rock Summary	An altered, fine grained basalt with large infilled vesicles/fractures. Sample contains a crust of Mn. No phenocrysts.		
Thin Section Summary	An aphanitic and vesicular basalt. Vesicles are typically large (>1.5mm) and are either completely infilled with alteration or not filled at all. Infilled 'vesicles' observed in the thin section may be sections of larger fractures in the rock. Groundmass is fine grained and consists of subhedral plagioclase and glass.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [ Or ]							20	80
Present (%) [ Pr ]							10	32
Replaced / Filled (%) [ Rf ]							10	48
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)							0.1	
Maximum Size (mm)							2	
Modal Size (mm)							1	
Shape							oval	
Habit								
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features								
Comments								



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [ Or ]	3	35					60	
Present (%) [ Pr ]	0	30					5	
Replaced / Filled (%) [ Rf ]	3	5					55	
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.015	0.04						
Maximum Size (mm)	0.02	0.07						
Modal Size (mm)	0.015	0.06						
Shape	anhedral	subhedral						
Habit		lath						
Comments	100% recrystallized to iddingsite.	Varies in concentration from 10-50% of the groundmass throughout the thin section.					Hard to tell if any original glass remains.	