

General Information			
Sample Name (IGSN)	EX1504L2-D1-1		
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 (%)	60	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	40	Check [Or = Pr + Rf]	OK
Total Groundmass Original (%)	100	Check [Gp + Gl + Ms = 100%]	OK
Total Groundmass Present (%)	60	Check [Or = Pr + Rf]	OK
Total Groundmass Replaced (%)	40	Check [Or = Pr + Rf]	OK
Whole Rock Summary	Vesicular basalt with rounded vesicles, a dark grey interior and light grey rim. Contains a rim of Mn crust. Few infilled vesicles, many coated vesicles.		
Thin Section Summary	An aphanitic basalt with large, up to ~1mm, vesicles. The groundmass is primary altered glass/mesastasis with iddingsite (recrystallized olivine) and plagioclase. The plagioclase is unaligned in the thin section. No infilling of the vesicles apparent within the thin section.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]							20	80
Present (%) [Pr]							20	48
Replaced / Filled (%) [Rf]							0	32
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)							0.5	
Maximum Size (mm)							1	
Modal Size (mm)							0.75	
Shape							Rounded	
Habit								
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features								
Comments								



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]	5	30						65
Present (%) [Pr]	0	30						35
Replaced / Filled (%) [Rf]	5	0						30
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.01	0.025						
Maximum Size (mm)	0.02	0.05						
Modal Size (mm)	0.015	0.03						
Shape	anhedral	subhedral						
Habit		lath-shaped						
Comments	100% recrystallized to iddingsite	Partially altered lath-shaped plagioclases.						Very fine grained glass/mesastasis. Difficult to tell what is replaced/original.