

General Information			
Sample Name (IGSN)	EX1504L2-D6-1		
Describer	Kevin Konrad		
Sample Location	West Northampton Ridge		
Lithology prefix			
General Lithology	Basalt		
Texture 1	Vesicular		
Texture 2			
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	90	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	10	Check [Or = Pr + Rf]	OK
Total Groundmass Original (%)	100	Check [Gp + Gl + Ms = 100%]	OK
Total Groundmass Present (%)	90	Check [Or = Pr + Rf]	OK
Total Groundmass Replaced (%)	10	Check [Or = Pr + Rf]	OK
Whole Rock Summary	A highly vesicular basalt with few iddingsite grains (~2%) and some coarser plagioclase grains. Contains little infilling of vesicles except around the rim of the sample. Sample contains an Mn crust.		
Thin Section Summary	A highly vesicular basalt with plagioclase-olivine glomerocrystic microcrysts within a glassy matrix. The vesicles get up to ~3mm in diameter and are misshapen circles without infill.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]							30	70
Present (%) [Pr]							30	63
Replaced / Filled (%) [Rf]							0	7
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)							1	
Maximum Size (mm)							3	
Modal Size (mm)							2.5	
Shape							~circular	
Habit								
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features								
Comments							No significant infill	



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]	5	25					70	
Present (%) [Pr]	5	25					0	
Replaced / Filled (%) [Rf]	0	0					70	
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.002	0.002						
Maximum Size (mm)	0.004	0.01						
Modal Size (mm)	0.003	0.005						
Shape	Subhedral	Euhedral						
Habit	Glomerocrystic	Glomerocrystic						
Comments	Found almost exclusively as a glomerocryst	Found mostly as a glomerocrysts with olivine					Mostly alteration.	