

General Information			
Sample Name (IGSN)	EX1504L2-D15-3		
Describer	Kevin Konrad		
Sample Location	North Maro Ridge		
Lithology prefix	Olivine		
General Lithology	Basalt		
Texture 1	Porphyritic		
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 olivine basalt with fresh olivine in the core and iddingsite found near the rim of the rock. Groundmass is fine grained.		
Thin Section Summary	An olivine phyric basalt with olivine phenocrysts that range from complete to negligible serpentine recrystallization. Groundmass is typically fresh with patches of yellowish alteration found sporadically throughout. Fractures running throughout contain alteration infill. Groundmass consists of fine grain plagioclase, spinel, cpx and olivine.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]	10	1						89
Present (%) [Pr]	7	1						80
Replaced / Filled (%) [Rf]	3	0						9
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.3	0.4						
Maximum Size (mm)	4	0.6						
Modal Size (mm)	1	0.5						
Shape	an-subhedral	lath						
Habit		twinned						
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features								
Comments	Some iddingsite recrystallization	One cluster found in thin section.						



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]	10	60		10	10			
Present (%) [Pr]	10	60		10	10			
Replaced / Filled (%) [Rf]	0	0		0	0			
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.01	0.01		0.01	0.01			
Maximum Size (mm)	0.01	0.05		0.01	0.01			
Modal Size (mm)	0.01	0.02		0.01	0.01			
Shape		lath						
Habit								
Comments	Hard to distinguish from cpx							