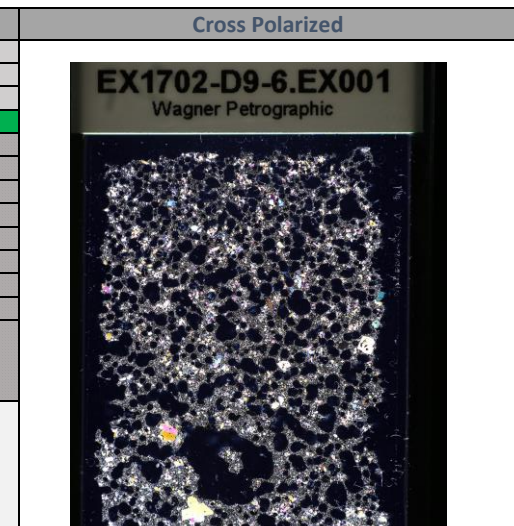


General Information			
Sample Name (IGSN)	EX1702-D9-6		
Describer	Kevin Konrad		
Sample Location	Vailulu'u		
Lithology prefix	Olivine-Clinopyroxene		
General Lithology	Basalt		
Texture 1	Vesicular		
Texture 2	Glassy		
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	100	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	0	Check [Or = Pr + Rf]	OK
Total Groundmass Original (%)	100	Check [Gp + Gl + Ms = 100%]	OK
Total Groundmass Present (%)	100	Check [Or = Pr + Rf]	OK
Total Groundmass Replaced (%)	0	Check [Or = Pr + Rf]	OK
Whole Rock Summary	A fresh, fine grained-glass rich vesicular basalt. Contains some thin alteration along the rind of the sample. Some phenocrysts are observable, appear to be clinopyroxene and olivine.		
Thin Section Summary	An olivine and clinopyroxene basalt that becomes increasingly coarser grained towards the core of the rock. Small microcrysts of plagioclase, clinopyroxene and olivine are observed as well. Sample is highly vesicular with no observable signs of alteration. Some minor zonation is observed on the clinopyroxene.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]	10			10			60	20
Present (%) [Pr]	10			10			60	20
Replaced / Filled (%) [Rf]	0			0			0	0
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.2			0.2			0.2	
Maximum Size (mm)	0.75			1			5	
Modal Size (mm)	0.5			0.6			1	
Shape	Euhedral			Euhedral			Rounded	
Habit								
Zonation Type				Sector				
Zonation Extent				Faint				
Exsolution Type								
Special Features								
Comments	Spinel and melt inclusions are common							



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]	10	15		10			65	
Present (%) [Pr]	10	15		10			65	
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				
Maximum Size (mm)	0.2	0.3		0.2				
Modal Size (mm)	0.1	0.2		0.1				
Shape	Euhedral	Euhedral		Euhedral				
Habit		Elongated						
Comments		Long and skinny grains					Varies from 80-40% throughout the thin section	