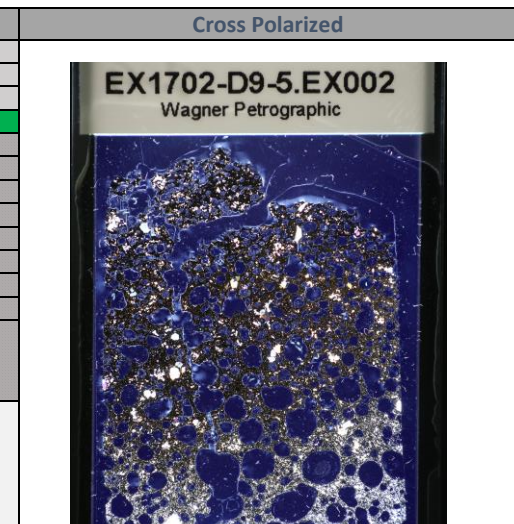


General Information			
Sample Name (IGSN)	EX1702-D9-5		
Describer	Kevin Konrad		
Sample Location	Vailulu'u		
Lithology prefix	Olivine-Clinopyroxene		
General Lithology	Basalt		
Texture 1	Vesicular		
Texture 2			
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	100	Check [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 glassy pillow basalt with abundant vesicles. Some small crystals are visible throughout the sample. The sample appears to get more coarse grained towards the core.		
Thin Section Summary	A olivine and clinopyroxene basalt (ankaramite) with very fresh glass and plagioclase microcrysts. Sample is highly vesicular with unfilled and commonly inter-connected vesicles. Sample becomes progressively coarser grained towards the interior.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]	10			10			50	30
Present (%) [Pr]	10			10			50	30
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			0.5	
Maximum Size (mm)	0.6			1.25			4	
Modal Size (mm)	0.4			0.4			1	
Shape	Euhedral			Euhedral			Rounded	
Habit								
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features								
Comments	No recrystallization, commonly contain melt inclusions			No observable zonation			Commonly inter-connected	



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]	10	10		10			70	
Present (%) [Pr]	10	10		10			70	
Replaced / Filled (%) [Rf]	0	0		0			0	
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.05	0.05		0.05				
Maximum Size (mm)	0.2	0.35		0.2				
Modal Size (mm)	0.1	0.1		0.1				
Shape	Euhedral	Subhedral		Euhedral				
Habit								
Comments								Glass varies from 100% to 20% depending on the location in the rock