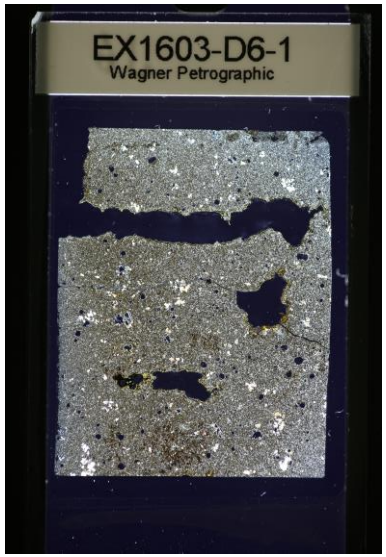
General Information			
Sample Name (IGSN)	EX1603-D6-1		
Describer	Kevin Konrad		
Sample Location	Hohonu Moana		
Lithology prefix	clinopyroxene		
General Lithology	basalt		
Texture 1	altered		
Texture 2	vesicular		
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	10	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	90	Check [Or = Pr + Rf]	OK
Total Groundmass Original (%)	100	Check [Gp + Gl + Ms = 100%]	OK
Total Groundmass Present (%)	0	Check [Or = Pr + Rf]	OK
Total Groundmass Replaced (%)	100	Check [Or = Pr + Rf]	OK
Whole Rock Summary	A very fine grained basalt with no noticable phenocrysts in hand sample. Contains both small and large vesicles. Possible altered glassy rind.		
Thin Section Summary	A completely altered glassy basalt with clinopyroxene phenocrysts. Sample is vesicular with rinds of palagonite and other alteration. Groundmass is a combination of altered glass, spinel, and some small plagioclase.		

Whole Rock

Transmitted Light

PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]				10			20	70
Present (%) [Pr]				8			15	0
Replaced / Filled (%) [Rf]				2			5	70
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)				0.25			0.1	
Maximum Size (mm)				0.35			1.5	
Modal Size (mm)				0.25			0.5	
Shape				anhedral			irregular	
Habit								
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features								
Comments							Some infill but mostly free.	All altered

Cross Polarized



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]								
Present (%) [Pr]								
Replaced / Filled (%) [Rf]								
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)								
Maximum Size (mm)								
Modal Size (mm)								
Shape								
Habit								
Comments								