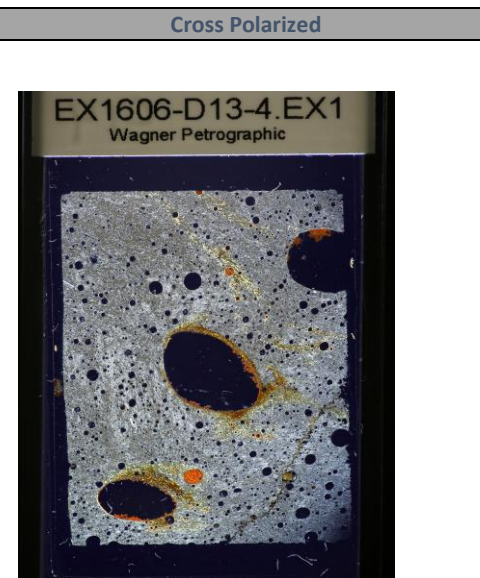


General Information			
Sample Name (IGSN)	EX1606-D13-4		
Describer	Kevin Konrad		
Sample Location	Batfish Seamount		
Lithology prefix			
General Lithology	basalt		
Texture 1	trachytic		
Texture 2	vesicular		
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	50	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	50	Check [Or = Pr + Rf]	OK
Total Groundmass Original (%)	100	Check [Gp + GI + Ms = 100%]	OK
Total Groundmass Present (%)	40	Check [Or = Pr + Rf]	OK
Total Groundmass Replaced (%)	60	Check [Or = Pr + Rf]	OK
Whole Rock Summary	A altered aphyric basalt that is highly vesicular. The vesicles are typically infilled with a clay like secondary mineral phase. Contains a thin Mn crust.		
Thin Section Summary	A trachytic basalt with a few plagioclase microcrysts. The plagioclase microcrysts sometimes contain spongy textured cores. The groundmass consists of aligned plagioclase grains in an altered mesostasis. The sample contains variably sized vesicles that are sometimes rimmed in a halo of palagonite, some reddish palagonite like alteration and some are completely infilled with a red mineral I'm unfamiliar with. One fracture and vesicle appear to have clay infilling. Most vesicles are unfilled.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]		3					30	67
Present (%) [Pr]		2					25	27
Replaced / Filled (%) [Rf]		1					5	40
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		0.1					0.1	
Maximum Size (mm)		0.25					6.5	
Modal Size (mm)		0.2					0.5	
Shape		subhedral					elliptical	
Habit								
Zonation Type		Twinning						
Zonation Extent								
Exsolution Type		Spongy cores						
Special Features								
Comments		More microcrysts than pheno.					Some palagonite rims (red and yellow) and some other red infill I don't know.	



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [GI]	MSTASIS [Ms]
Original (%) [Or]		40						60
Present (%) [Pr]		30						0
Replaced / Filled (%) [Rf]		10						60
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		0.01						
Maximum Size (mm)		0.02						
Modal Size (mm)		0.015						
Shape		subhedral						
Habit		laths						
Comments		Not that great looking.						Seems to be all altered.