

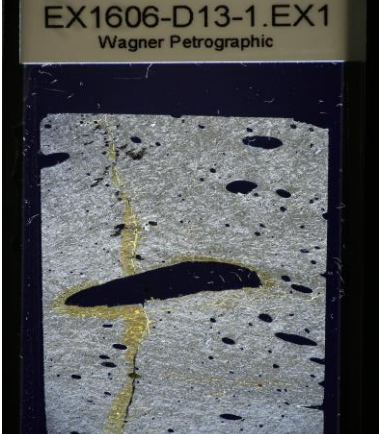


General Information				Whole Rock	Transmitted Light
Sample Name (IGSN)	EX1606-D13-1				
Describer	Kevin Konrad				
Sample Location	Batfish Seamount				
Lithology prefix					
General Lithology	Basalt				
Texture 1	Trachytic				
Texture 2	Vesicular				
Whole Rock Original (%)	100	Check [ Ph + Vs + Gm = 100% ]	OK		
Whole Rock Present (%)	60	Check [ Or = Pr + Rf ]	OK		
Whole Rock Replaced (%)	40	Check [ Or = Pr + Rf ]	OK		
Total Groundmass Original (%)	100	Check [ Gp + Gl + 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 relatively fresh looking basalt with elongated vesicles. Potentially has a few plagioclase phenocrysts. Vesicles range from infilled with a greenish-yellow clay to unfilled. Contains a moderate Mn-crust.				
Thin Section Summary	A altered trachytic basalt with large unfilled vesicles and a few plagioclase microcrysts. The plagioclase microcrysts are typically laths with the exception of one fat grain with a spongy core. The groundmass consists of some partially disaggregated plagioclase laths in a reddish matrix. Palagonite can be found along some fractures and vesicle rims. One large vesicle that intersects with a fracture contains a sizeable halo of palagonite/Fe-oxide alteration. A few reddish spinel grains are scattered about the sample.				

PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]	Cross Polarized
Original (%) [ Or ]		3					20	77	
Present (%) [ Pr ]		3					19	31	
Replaced / Filled (%) [ Rf ]		0					1	46	
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK	
Minimum Size (mm)		0.1					0.1		
Maximum Size (mm)		0.25					12		
Modal Size (mm)		0.2					0.5		
Shape		subhedral					elliptical		
Habit									
Zonation Type		sector, twinning							
Zonation Extent									
Exsolution Type		Spongy cores							
Special Features									
Comments		More microcrysts than pheno.					Some palagonite rims		

GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [ Or ]		40			2			58
Present (%) [ Pr ]		30			2			0
Replaced / Filled (%) [ Rf ]		10			0			58
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		0.01			0.1			
Maximum Size (mm)		0.02			0.2			
Modal Size (mm)		0.015			0.15			
Shape		subhedral			sub-euhedral			
Habit		laths						
Comments		Not that great looking.			Reddish in plane polarized light			Looks like altered glass