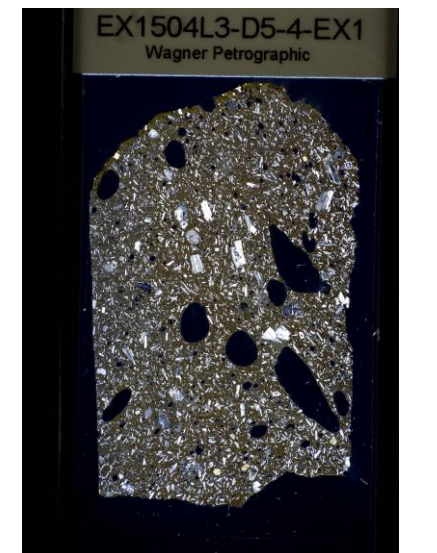


General Information			
Sample Name (IGSN)	EX1504L3-D5-4		
Describer	Kevin Konrad		
Sample Location	Swordfish Seamount		
Lithology prefix	plagioclase		
General Lithology	basalt (In phosphorite)		
Texture 1	Vesicular		
Texture 2	Altered		
Whole Rock Original (%)	100	Check [ Ph + Vs + Gm = 100% ]	OK
Whole Rock Present (%)	20	Check [ Or = Pr + Rf ]	OK
Whole Rock Replaced (%)	80	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 phosphorite with altered clasts and one fairly fresh clast. Thin section is from the fairly fresh clast.		
Thin Section Summary	A trachytic textured basalt with completely altered groundmass. Plagioclase cover a range of sizes from 0.1mm to 0.8mm. Vesicles are large (up to 6mm) and semi-circular with little to no infill. Plagioclase is mostly fresh with some spongy textures, some grains have spongy textures throughout and some have zones of spongy-ness. Two microcrystic olivine grains were found.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]	Cross Polarized
Original (%) [ Or ]		8					20	72	
Present (%) [ Pr ]		6					20	0	
Replaced / Filled (%) [ Rf ]		2					0	72	
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK	
Minimum Size (mm)		0.4					0.1		
Maximum Size (mm)		0.8					6		
Modal Size (mm)		0.5					1		
Shape		subhedral					rounded		
Habit		spongy							
Zonation Type		twinned							
Zonation Extent									
Exsolution Type									
Special Features									
Comments							round to oval in shape		



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [ Or ]		25			2			73
Present (%) [ Pr ]		20			2			0
Replaced / Filled (%) [ Rf ]		5			0			73
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		0.05			0.05			
Maximum Size (mm)		0.1			0.05			
Modal Size (mm)		0.1			0.05			
Shape		subhedral						
Habit		spongy						
Comments								Alteration, mostly glass.