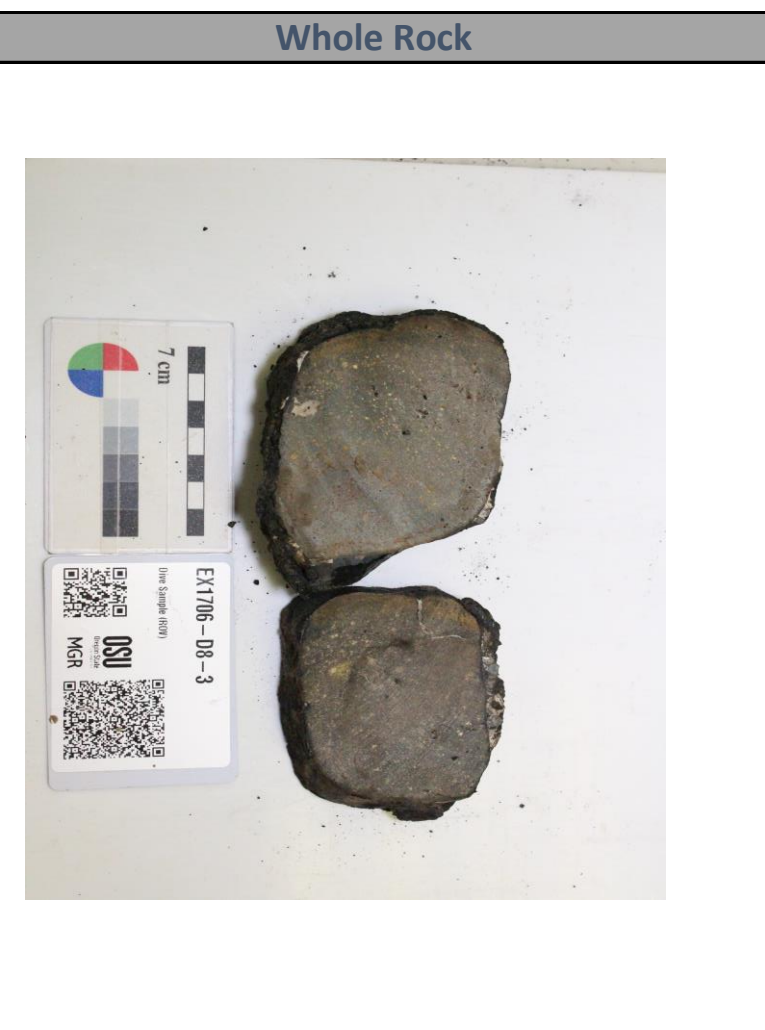


General Information			
Sample Name (IGSN)	EX1706-D8-3		
Describer	Kevin Konrad		
Sample Location	Pierpont Seamount		
Lithology prefix	Biotite-Plagioclase		
General Lithology	Basalt		
Texture 1	Altered		
Texture 2			
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	50	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	50	Check [Or = Pr + Rf]	OK
Total Groundmass Original (%)	100	Check [Gp + Gl + Ms = 100%]	OK
Total Groundmass Present (%)	50	Check [Or = Pr + Rf]	OK
Total Groundmass Replaced (%)	50	Check [Or = Pr + Rf]	OK
Whole Rock Summary	An altered basalt nodule with a thin FeMn coat. Contains an altered glass rind that coarsens into a cryptocrystalline groundmass. Contains some plagioclase microcrysts and a yellowish grain/vesicle infill. Thin section from interior of sample (coarsest groundmass).		
Thin Section Summary	A biotite and plagioclase phyric basalt. The biotite grains are partially recrystallized to some clay product (talc?), contain occasional hexagonal orientation. Plagioclase phenocrysts contain albite twinning and commonly partially altered to zeolites. Groundmass consists of plagioclase, spinel and iddingsite. Sample contains a few unfilled vesicles.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]	Cross Polarized
Original (%) [Or]		5				10	3		
Present (%) [Pr]		3				5	3		
Replaced / Filled (%) [Rf]		2				5	0		
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK	
Minimum Size (mm)		0.5				0.25	0.25		
Maximum Size (mm)		1				0.75	0.35		
Modal Size (mm)		0.5				0.3	0.3		
Shape		subhedral				subhedral	subrounded		
Habit									
Zonation Type		Twinning							
Zonation Extent		common							
Exsolution Type									
Special Features									
Comments		Partially pitted/altered to a zeolite like mineral.				Partially altered to (talc?) and occasionally pitted with core missing.	No significant infilling		



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]	10	60			10			20
Present (%) [Pr]	0	50			10			0
Replaced / Filled (%) [Rf]	10	10			0			20
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.1	0.05			0.1			
Maximum Size (mm)	0.2	0.1			0.2			
Modal Size (mm)	0.15	0.075			0.15			
Shape	anhedral	subhedral			subhedral			
Habit		laths						
Comments	100% iddingsite	Subtrachytic texture						Mixed alteration products