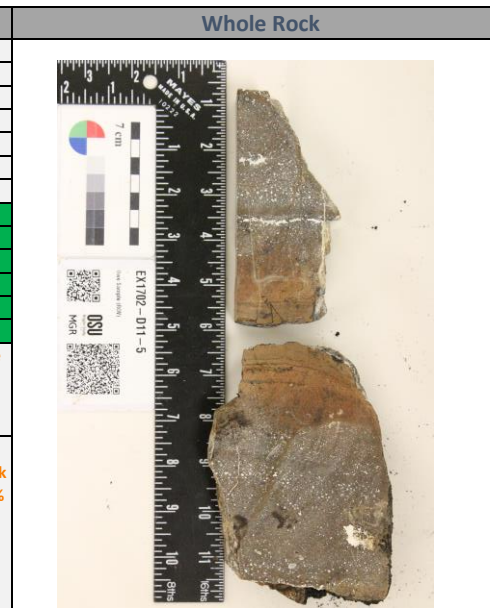


General Information			
Sample Name (IGSN)	EX1702-D11-5		
Describer	Kevin Konrad		
Sample Location	Seamount D		
Lithology prefix			
General Lithology	Basalt		
Texture 1	Vesicular		
Texture 2	Highly Altered		
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	10	Check [Or = 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 (%)	10	Check [Or = Pr + Rf]	OK
Total Groundmass Replaced (%)	90	Check [Or = Pr + Rf]	OK
Whole Rock Summary	A basalt that ranges from moderate alteration to complete brown alteration towards the rim. Sample has calcite infilled on all vesicles and fractures. No phenocrysts are observed in hand sample.		
Thin Section Summary	A heavily altered basalt with a few elongated plagioclase grains (up to 0.5mm) scattered throughout. Sample is vesicular with calcite infilling or palagonite rimmed/filled. The vesicles typically contain thick halos of dark alteration. The density of plagioclase varies throughout the thin section from 10% - ~30% of the groundmass.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]							30	70
Present (%) [Pr]							0	7
Replaced / Filled (%) [Rf]							30	63
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)							0.02	
Maximum Size (mm)							2.5	
Modal Size (mm)							0.5	
Shape							subrounded-irregular	
Habit								
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features								
Comments							Mostly calcite filled, one fracture has palagonite rimming and filling.	



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]		20						80
Present (%) [Pr]		15						0
Replaced / Filled (%) [Rf]		5						80
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		0.1						
Maximum Size (mm)		0.5						
Modal Size (mm)		0.1						
Shape		subhedral						
Habit		elongated						
Comments		Vary in size and abundance throughout the section						Mix of alteration products