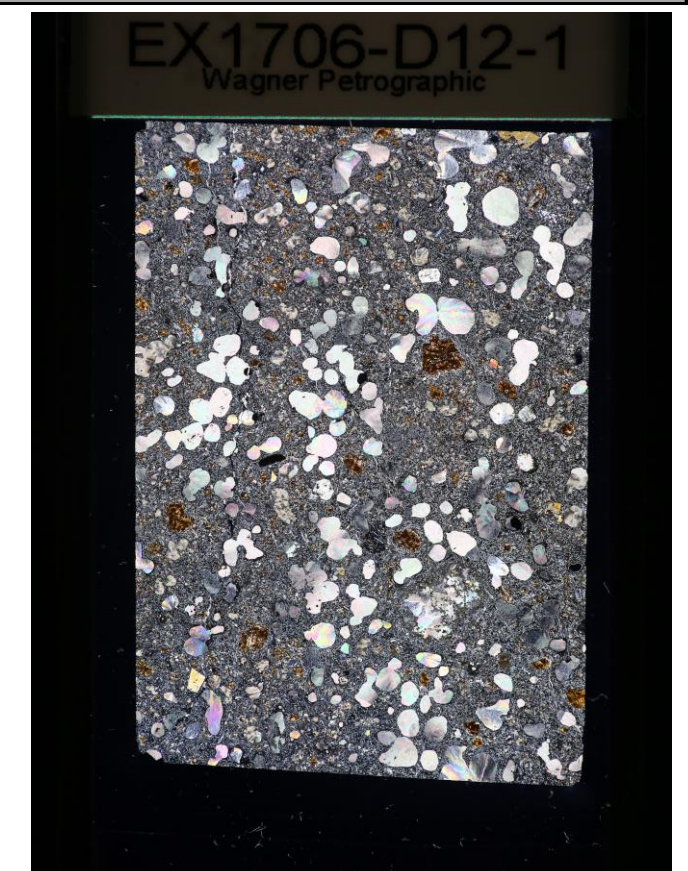


General Information			
Sample Name (IGSN)	EX1706-D12-1		
Describer	Kevin Konrad		
Sample Location	Sleep Hallow Seamount		
Lithology prefix	olivine-clinopyroxene		
General Lithology	basalt		
Texture 1	altered		
Texture 2			
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	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	A vesicular olivine-basalt with filled vesicles (carbonate or phosphorite). The olivine are entirely recrystallized to iddingsite. The sample contains a 1 -2 cm thick FeMn crust.		
Thin Section Summary	A heavily altered ankaramite with a plagioclase rich groundmass. The olivine grains are ~95% recrystallized to iddingsite with a few relicts of olivine preserved in the core. Clinopyroxene grains are relatively fresh. Plagioclase grains range from groundmass to microcrystic in size. The remaining groundmass consists of magnetite and altered mush. Amygdules consist of calcite.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]	10			5			40	
Present (%) [Pr]	1			4			0	
Replaced / Filled (%) [Rf]	9			1			40	
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.25			0.25			0.5	
Maximum Size (mm)	1.25			0.75			3	
Modal Size (mm)	0.75			0.5			1.5	
Shape	anhedral			anhedral			rounded	
Habit								
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features								
Comments	Mostly recrystallized and commonly disagrated						Infilled with calcite	



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]		65						35
Present (%) [Pr]		50						0
Replaced / Filled (%) [Rf]		15						35
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		0.025						
Maximum Size (mm)		0.25						
Modal Size (mm)		0.15						
Shape		laths						
Habit								
Comments								Altered mush with some magnetite