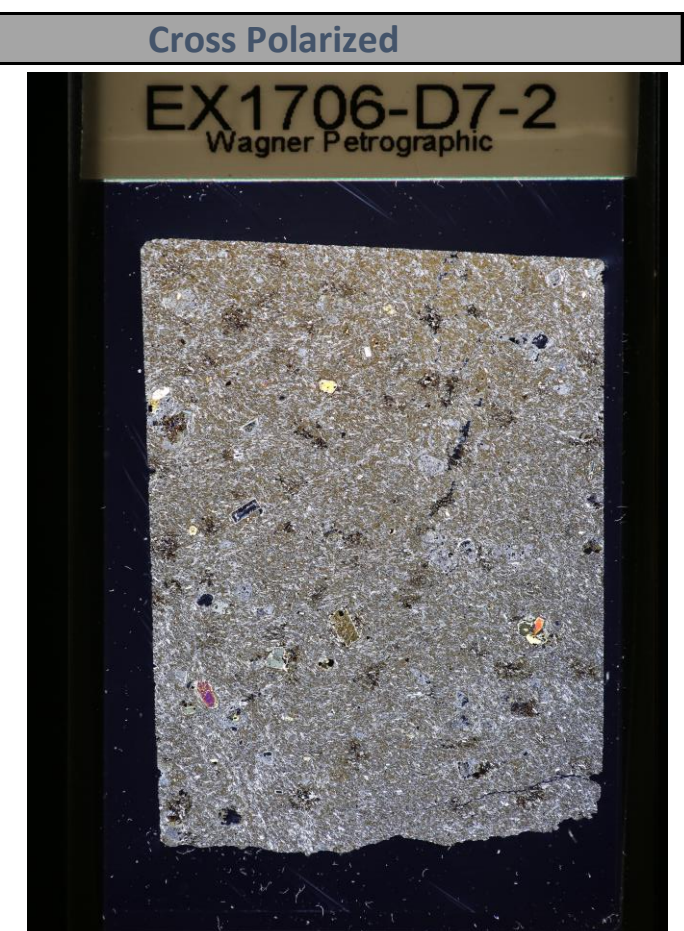


General Information			
Sample Name (IGSN)	EX1706-D7-2		
Describer	Kevin Konrad		
Sample Location	Edmonson Seamount		
Lithology prefix	Plagioclase-Amphibole		
General Lithology	Basalt		
Texture 1	Trachytic		
Texture 2			
Whole Rock Original (%)	100	Check [ Ph + Vs + Gm = 100% ]	OK
Whole Rock Present (%)	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 (%)	65	Check [ Or = Pr + Rf ]	OK
Total Groundmass Replaced (%)	35	Check [ Or = Pr + Rf ]	OK
Whole Rock Summary	An amphibole (maybe clinopyroxene) basalt with an altered groundmass. Yellowish grains are found throughout which may be an entirely altered phenocryst phase or filled vesicles. The sample contains a thin FeMn coat.		
Thin Section Summary	Similar to D7-1, a trachytic basalt with amphibole, recrystallized plagioclase (zeolite) and muscovite. Amphibole grains have altered rims and spinel inclusions. Plagioclase (orthoclase?) is replaced by zeolites. Only a single muscovite grain in thin section (fresh). The groundmass consists of aligned plagioclase and altered glass.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [ Or ]		10			1	5		
Present (%) [ Pr ]		1			1	4		
Replaced / Filled (%) [ Rf ]		9			0	1		
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		1			0.5	0.5		
Maximum Size (mm)		2.5			0.5	1.5		
Modal Size (mm)		1.5			0.5	1		
Shape		subhedral			subhedral	subhedral		
Habit								
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features						spinel inclusions		
Comments		Nearly to completely recrystallized to fine zeolites.				Amphibole (~4%) and muscovite (1%)	Some void space with minor zeolite infill	



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [ Or ]		60			10			30
Present (%) [ Pr ]		60			10			0
Replaced / Filled (%) [ Rf ]		0			0			30
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		0.2			0.1			
Maximum Size (mm)		0.35			0.15			
Modal Size (mm)		0.25			0.1			
Shape		eu-subhedral			subhedral			
Habit		laths						
Comments		Trachytic						Mostly altered glass, some other altered grains