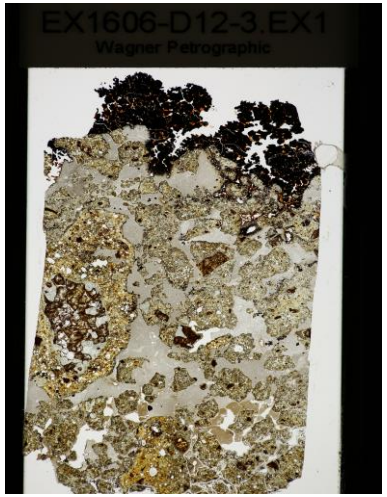
General Information			
Sample Name (IGSN)	EX1606-D12-3		
Describer	Kevin Konrad		
Sample Location	Seamount SW of Wake Island		
Lithology prefix			
General Lithology	Hyaloclastite		
Texture 1	Heavily Altered		
Texture 2			
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	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 (%)	0	Check [Or = Pr + Rf]	OK
Total Groundmass Replaced (%)	100	Check [Or = Pr + Rf]	OK
Whole Rock Summary	A highly altered mix of chemical sedimentary phases. A thick phosphorite layer is inter-bedded between Mn crusts. A lot of orange altered materials, maybe basaltic clasts not sure. Some Mn and phosphorite is found in fractures throughout.		
Thin Section Summary	A highly altered hyaloclastite with pervasive phosphorite infilling along fractures. The clasts are nearly all recrystallized with a few clinopyroxene grains remaining. The clinopyroxene grains are in rough shape. Some very coarse iddingsite grains can be found within some clasts. Vesicles within clasts typically have zeolite infilling. Some clay infilling can be found along certain fractures. Some palagonite can be found within a few of the highly vesicular clasts. Part of the thin section contain Mn crust.		

Whole Rock

Transmitted Light



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]								100
Present (%) [Pr]								0
Replaced / Filled (%) [Rf]								100
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)								
Maximum Size (mm)								
Modal Size (mm)								
Shape								
Habit								
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features								
Comments								

Cross Polarized

GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]								
Present (%) [Pr]								
Replaced / Filled (%) [Rf]								
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)								
Maximum Size (mm)								
Modal Size (mm)								
Shape								
Habit								
Comments								