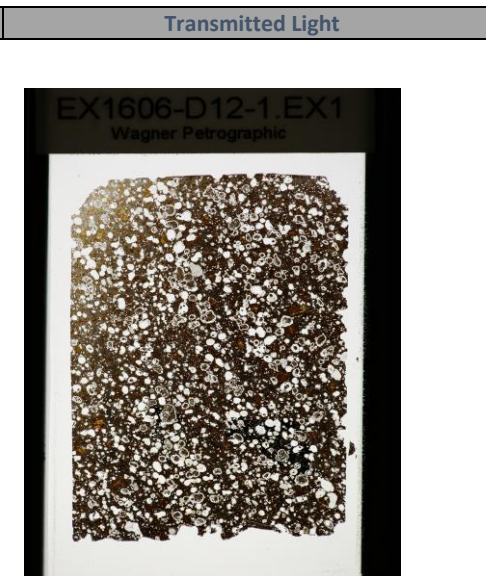
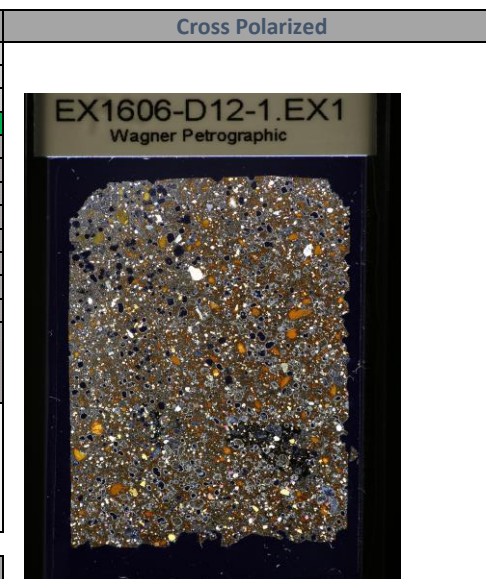


General Information			
Sample Name (IGSN)	EX1606-D12-1		
Describer	Kevin Konrad		
Sample Location	Seamount SW of Wake Island		
Lithology prefix	Olivine-Clinopyroxene		
General Lithology	Basalt		
Texture 1	Heavily altered		
Texture 2	vesicular		
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	20	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	80	Check [Or = Pr + Rf]	OK
Total Groundmass Original (%)	100	Check [Gp + Gl + Ms = 100%]	OK
Total Groundmass Present (%)	5	Check [Or = Pr + Rf]	OK
Total Groundmass Replaced (%)	95	Check [Or = Pr + Rf]	OK
Whole Rock Summary	A altered olivine basalt with a rusted glassy rind and a slightly fresher and coarser core. Olivine grains appear to be completely serpentinized with some iddingsite as well. Sample is vesicular with most vesicles being unfilled. No apparent Mn crust on the sample. Another possible phenocryst phase exists (CPX most likely).		
Thin Section Summary	A altered ankaramite with completely recrystallized olivine (iddingsite) and relatively well preserved clinopyroxene grains. The groundmass consists of a altered reddish mesostasis with a few shards of clinopyroxene. The sample has numerous palagonite rimmed vesicles. Some vesicles appear to contain pieces of the rock/groundmass within the vesicle. Zeolite is common within some vesicles.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]	20			20			25	35
Present (%) [Pr]	0			19			5	2
Replaced / Filled (%) [Rf]	20			1			20	33
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.25			0.25			0.5	
Maximum Size (mm)	1.5			1			0.3	
Modal Size (mm)	0.8			0.5			0.4	
Shape	anhedral			anhedral			rounded	
Habit								
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features								
Comments	All iddingsite			Some possible weak sector zoning			Some have zeolite infill. Others have palagonite rims with no infill.	



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
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								
Comments								Few small cpx grains are preserved in an otherwise red matrix