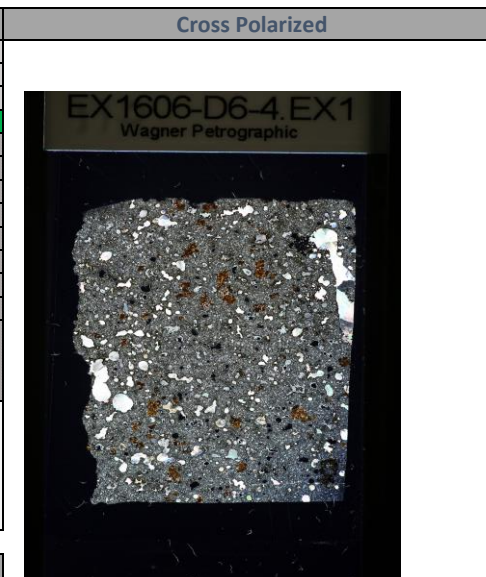


General Information			
Sample Name (IGSN)	EX1606-D6-4		
Describer	Kevin Konrad		
Sample Location	Unnamed Seamount West of Wake Island		
Lithology prefix	Olivine		
General Lithology	Basalt		
Texture 1	Completely altered		
Texture 2	Vesicular		
Whole Rock Original (%)	100	Check [ Ph + Vs + Gm = 100% ]	OK
Whole Rock Present (%)	0	Check [ Or = Pr + Rf ]	OK
Whole Rock Replaced (%)	100	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 olivine-basalt with olivine completely recrystallized to iddingsite. The sample has a fine grained altered rim (palagonite glass likely) that grades into a coarser core. The sample is highly vesicular with most vesicles infilled with either calcite or phosphorite. Sample contains a Mn-crust.		
Thin Section Summary	A completely recrystallized olivine-basalt. All the olivine grains are recrystallized to iddingsite. The groundmass consists of mixed skeletal plagioclase and serpentine with some unidentifiable mesostasis. Vesicles are irregular shaped and range from complete calcite filling to calcite rims. The calcite commonly forms lovely spherulitic growth patterns.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [ Or ]	10						30	60
Present (%) [ Pr ]	0						5	0
Replaced / Filled (%) [ Rf ]	10						25	60
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.25						0.1	
Maximum Size (mm)	0.85						1	
Modal Size (mm)	0.5						0.5	
Shape	anhedral						Irregular-subrounded	
Habit								
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features								
Comments	All iddingsite						Calcite infill or some calcite rims.	



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								Altered mush of serpentine, skeletal plagioclase laths and iddingsite. Altered glass as well