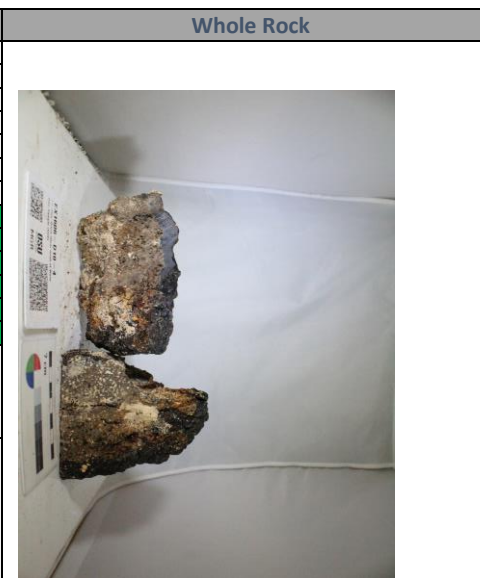
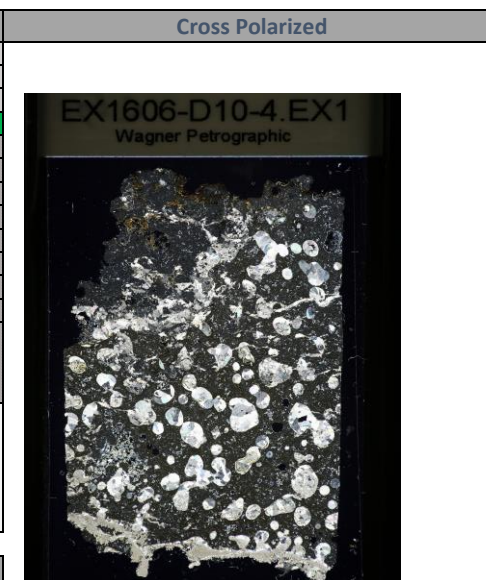


General Information			
Sample Name (IGSN)	EX1606-D10-4		
Describer	Kevin Konrad		
Sample Location	Guyot 50 NM south of Wake		
Lithology prefix			
General Lithology	Basalt		
Texture 1	Completely altered		
Texture 2	Vesicular		
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	5	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	95	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 basaltic clast with phosphorite infilling fractures throughout. The clast is vesicular with complete infilling by phosphorite most likely. Some other secondary crystallization is found within. Contains a Mn-crust.		
Thin Section Summary	A highly altered vesicular basalt that contains a few skeletal plagioclase grains. The sample has almost no primary phases remaining. There is a single shard of amphibole (~75um), as well as a few semi-preserved shards of plagioclase (~100um each). The plagioclase grains appear to be in a xenolith and are joined by spinels and serpentine (likely pyroxene and olivine). The groundmass is a completely altered glassy mesostasis with a few skeletal plagioclase. The vesicles are filled with calcite. The vesicles also have palagonite rims that have been removed from the edges of the vesicle and are incorporated into the calcite matrix. Very neat, looks like an early hydrous phase that created the palagonite followed by calcite precipitation, which displaced the palagonite rims. There are also some clay and serpentine infill along fractures and possibly serpentine replacing phenocrysts.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]							30	70
Present (%) [Pr]							5	0
Replaced / Filled (%) [Rf]							25	70
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)							0.1	
Maximum Size (mm)							2	
Modal Size (mm)							1	
Shape							subrounded	
Habit								
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features								
Comments							Mostly calcite infill but some clay and serpentine are present in areas	



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								Just a crime scene now