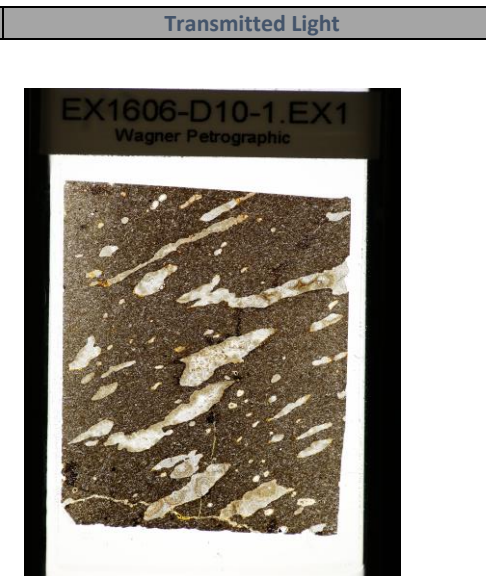
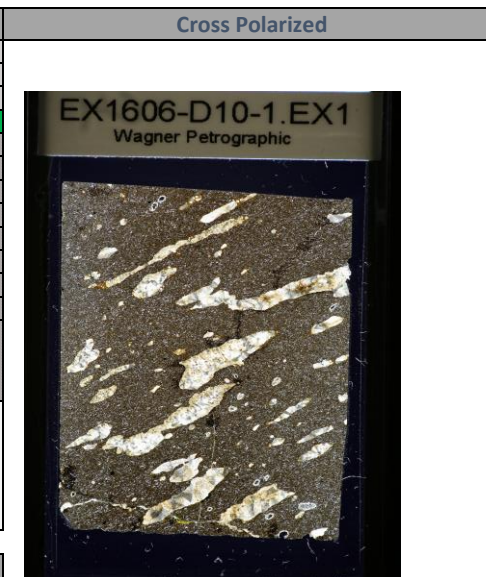


General Information			
Sample Name (IGSN)	EX1606-D10-1		
Describer	Kevin Konrad		
Sample Location	Guyot 50 NM south of Wake		
Lithology prefix			
General Lithology	Basalt		
Texture 1	Heavily altered		
Texture 2	vesicular		
Whole Rock Original (%)	100	Check [ Ph + Vs + Gm = 100% ]	OK
Whole Rock Present (%)	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 (%)	10	Check [ Or = Pr + Rf ]	OK
Total Groundmass Replaced (%)	90	Check [ Or = Pr + Rf ]	OK
Whole Rock Summary	A fine grained, potentially aphyric basalt with elongated and aligned vesicles. Vesicles appear to be infilled with phosphorite or carbonate. Some vesicles have a greenish clay infilling. A thin Mn crust covers the cobble.		
Thin Section Summary	A aphyric basalt with a groundmass consisting of fine plagioclase and oxide grains in a heavily altered matrix. The sample contains numerous elongated vesicles that are typically filled with calcite. A few rounded vesicles contain palagonite halos and no other infill. Palagonite and calcite can be found along fractures as well.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [ Or ]							40	60
Present (%) [ Pr ]							5	6
Replaced / Filled (%) [ Rf ]							35	54
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)							0.25	
Maximum Size (mm)							5	
Modal Size (mm)							3	
Shape							elongated-rounded	
Habit								
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features								
Comments							Either calcite infill or palagonite rims.	



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [ Or ]								100
Present (%) [ Pr ]								10
Replaced / Filled (%) [ Rf ]								90
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)								
Maximum Size (mm)								
Modal Size (mm)								
Shape								
Habit								
Comments								A few small oxides and plagioclase grains (0.01-0.05mm) in an otherwise altered mesostasis