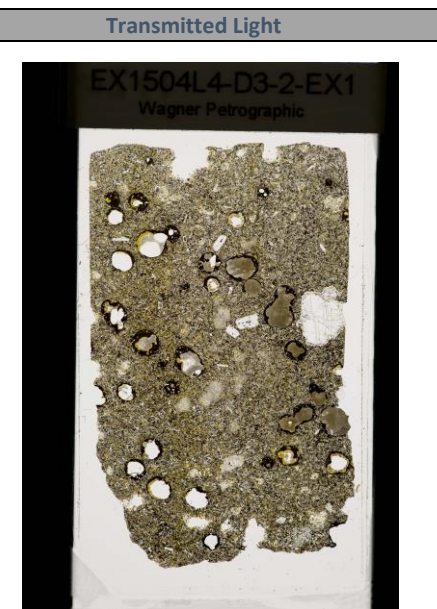
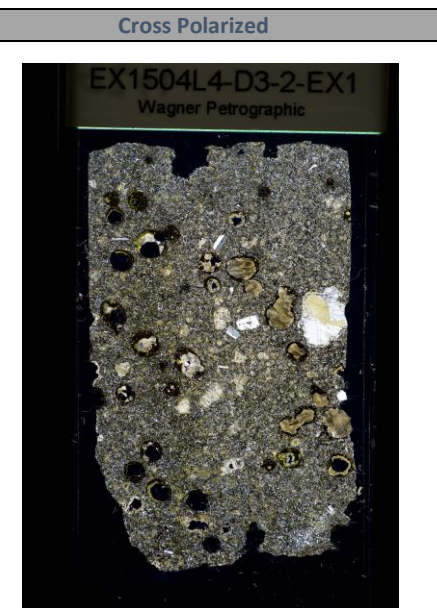


General Information			
Sample Name (IGSN)	EX1504L4-D3-2		
Describer	Kevin Konrad		
Sample Location	Karin Seamount East Ridge		
Lithology prefix	plagioclase		
General Lithology	basalt		
Texture 1	heavily altered		
Texture 2	vesicular		
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock 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	An fine grained altered basalt with large fractures and vesicles. Fractures and vesicles are mostly infilled with a range of secondary minerals. Some coarser plagioclase grains are found throughout. Sample has a thin Mn coat		
Thin Section Summary	A heavily altered plagioclase basalt. The plagioclase phenocryst contain some spongy zones but are overall fairly unaltered. Sample contains calcite, zeolite (?), palagonite and potentially Mn filled vesicles that are circular in shape. Groundmass is heavily altered with some zones rich in plagioclase grains.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]		5					30	65
Present (%) [Pr]		4					5	7
Replaced / Filled (%) [Rf]		1					25	59
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		0.8					0.2	
Maximum Size (mm)		1.8					6	
Modal Size (mm)		1.2					1	
Shape		subhedral					rounded	
Habit								
Zonation Type		twinning						
Zonation Extent								
Exsolution Type								
Special Features								
Comments		Spongy texture					Some calcite, potential zeolite and palagonite infill.	



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]		15						85
Present (%) [Pr]		10						0
Replaced / Filled (%) [Rf]		5						85
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		0.1						
Maximum Size (mm)		0.2						
Modal Size (mm)		0.1						
Shape		subhedral						
Habit								
Comments		lath like						