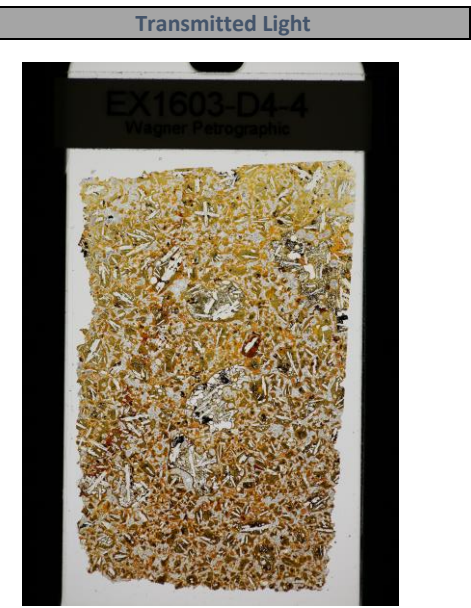
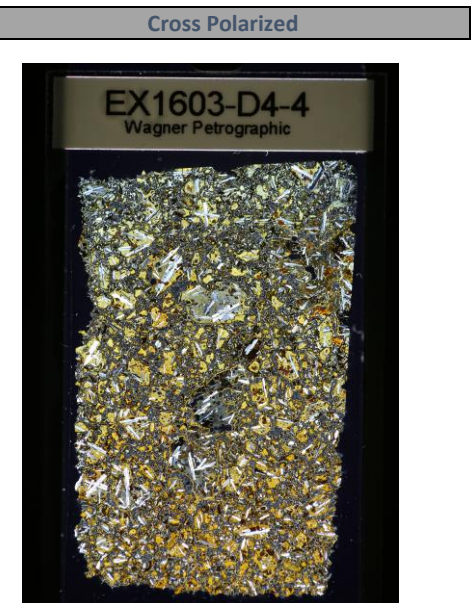


General Information			
Sample Name (IGSN)	EX1603-D4-4		
Describer	Kevin Konrad		
Sample Location	Hohonu Moana		
Lithology prefix	Plagioclase		
General Lithology	Basalt		
Texture 1	Highly altered		
Texture 2	Fragmented		
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	15	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	85	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 altered (orange-brown) basalt(?) that contains coarse plagioclase. Possible clasts from different basalts are found although it doesn't appear to be a hyaloclastite. Possible welded tephra deposit.		
Thin Section Summary	A plagioclase basalt that has been altered to a mixture of palagonite clasts and clay rich alteration. The plagioclase grains are coarse and surprisingly alteration free. Possibly some iddingsite grains in there. The consistency of plagioclase phenocrysts throughout the thin section indicates the rock is not a hyaloclastite but rather basaltic glass that was fragmented. Likely a pillow basalt fragment.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]		15					15	70
Present (%) [Pr]		15					5	0
Replaced / Filled (%) [Rf]		0					10	70
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		0.5					0.25	
Maximum Size (mm)		2.5					0.3	
Modal Size (mm)		2					0.3	
Shape		euhedral					rounded	
Habit								
Zonation Type		albite twinning						
Zonation Extent		all grains						
Exsolution Type								
Special Features								
Comments		fresh, some spinel inclusions.					Some contain infil, some have none.	All replaced to palagonite and clay.



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							Palagonite and clay.	