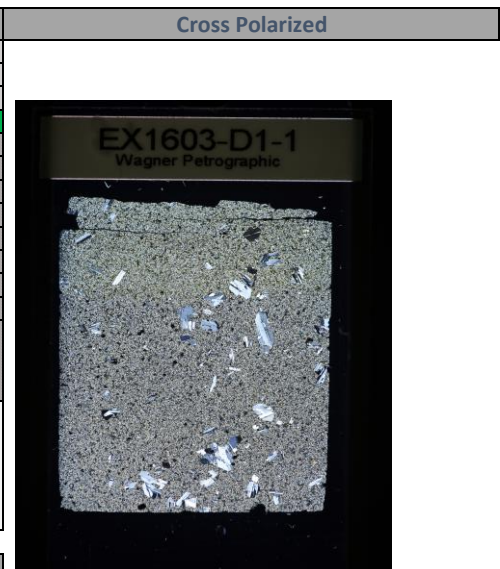


General Information			
Sample Name (IGSN)	EX1603-D1-1		
Describer	Kevin Konrad		
Sample Location	Hohonu Moana		
Lithology prefix	plagioclase		
General Lithology	basalt		
Texture 1			
Texture 2			
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	100	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	0	Check [Or = Pr + Rf]	OK
Total Groundmass Original (%)	100	Check [Gp + Gl + Ms = 100%]	OK
Total Groundmass Present (%)	80	Check [Or = Pr + Rf]	OK
Total Groundmass Replaced (%)	20	Check [Or = Pr + Rf]	OK
Whole Rock Summary	A relatively fresh basalt with a glass rich rind. Contains coarse plagioclase grains and either alteration filled fractures or some iddingsite. Groundmass is coarser towards the core of the rock.		
Thin Section Summary	A fresh basalt with coarse plagioclase grains. Plagioclase grains display occasional sector zoning and albite twinning. Groundmass consists of plagioclase, olivine, spinel and pyroxene along with pockets of palagonite (altered glass).		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]		20						80
Present (%) [Pr]		20						70
Replaced / Filled (%) [Rf]		0						10
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		0.25						
Maximum Size (mm)		2.5						
Modal Size (mm)		1						
Shape		sub-euhedral						
Habit								
Zonation Type		albite, sector						
Zonation Extent		full						
Exsolution Type								
Special Features								
Comments		Contain both sector and albite zoning. Some spinel and melt inclusions						



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]	15	30		15	10		30	
Present (%) [Pr]	15	30		15	10		0	
Replaced / Filled (%) [Rf]	0	0		0	0		30	
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.05	0.1		0.05	0.05			
Maximum Size (mm)	0.075	0.15		0.075	0.075			
Modal Size (mm)	0.05	0.125		0.05	0.05			
Shape	subhedral	euhedral		subhedral	subhedral			
Habit								
Comments	Difficult to tell ratio of ol to cpx. No noticeable iddingsite			Difficult to tell ratio of olivine to cpx.			Hydrated to palagonite (yellow). Not sure how much fresh glass remains	