


General Information				Whole Rock	Transmitted Light
Sample Name (IGSN)	EX1603-D8-3				
Describer	Kevin Konrad				
Sample Location	Hohonu Moana				
Lithology prefix	Plagioclase				
General Lithology	Basalt				
Texture 1	vesicular				
Texture 2					
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK		
Whole Rock Present (%)	80	Check [Or = Pr + Rf]	OK		
Whole Rock Replaced (%)	20	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 fine grained plagioclase basalt with large unfilled vesicles. Little to no Mn coating.				
Thin Section Summary	A plagioclase phyric basalt with a altered glass, spinel and plagioclase groundmass. One clinopyroxene phenocryst (xenocryst?) is present in the thin section. The sample is vesicular with little to no alteration infill.				

PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]	Cross Polarized
Original (%) [Or]		4		1			20	75	
Present (%) [Pr]		2		1			18	50	
Replaced / Filled (%) [Rf]		2		0			2	25	
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK	
Minimum Size (mm)		0.3		0.65			0.5		
Maximum Size (mm)		0.5		0.65			1.5		
Modal Size (mm)		0.4		0.65			0.7		
Shape		subhedral		subhedral			rounded		
Habit									
Zonation Type		sector and albite							
Zonation Extent		partial							
Exsolution Type									
Special Features									
Comments				Single crystal			Some alteration coating.		

GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [GI]	MSTASIS [Ms]
Original (%) [Or]		15			10			75
Present (%) [Pr]		10			10			50
Replaced / Filled (%) [Rf]		5			0			25
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		0.05			0.05			
Maximum Size (mm)		0.1			0.1			
Modal Size (mm)		0.075			0.1			
Shape		subhedral			anhedral			
Habit								
Comments					Elongated			Seems altered.