

General Information			
Sample Name (IGSN)	EX1603-D1-2		
Describer	Kevin Konrad		
Sample Location	Hohonu Moana		
Lithology prefix	basaltic		
General Lithology	hyaloclastite		
Texture 1	highly altered		
Texture 2	plagioclase rich		
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	40	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	60	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 brownish conglomerate like sample, either a hyaloclastite or tephra deposit. Contains a variety of small clasts, some containing olivine (iddingsite) and plagioclase. Fairly homogenous distribution of components throughout the rock (likely a tephra deposit).		
Thin Section Summary	A highly altered hyaloclastite with shards of plagioclase rich basalts, oxidized glass shards and some coarser plagioclase and clinopyroxene distributed throughout. Groundmass and inter-clast material are highly altered and unrecognizable, likely all Fe oxyhydroxide and clay products.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]		20		4				76
Present (%) [Pr]		18		3				1
Replaced / Filled (%) [Rf]		2		1				75
Check [Or = Pr + Rf]	OK	#REF!	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		0.1		0.1				
Maximum Size (mm)		0.65		0.3				
Modal Size (mm)		0.25		0.15				
Shape		an-subhedral		anhedral				
Habit								
Zonation Type		Some albite twinning						
Zonation Extent								
Exsolution Type								
Special Features				No zonation. Some replacement and alteration				
Comments		Some small within clasts, most coarse and intermixed						Some shards of oxidized glass. Mostly highly altered mesostasis



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]							20	80
Present (%) [Pr]							15	1
Replaced / Filled (%) [Rf]							5	79
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)								
Maximum Size (mm)								
Modal Size (mm)								
Shape								
Habit								
Comments							Oxidized shards intermixed throughout	Mostly altered mush with some small plagioclase and cpx in some clasts