

General Information			
Sample Name (IGSN)	EX1705-D6-2		
Describer	Kevin Konrad		
Sample Location	Keli'ihananui		
Lithology prefix			
General Lithology	Basalt		
Texture 1	Trachytic		
Texture 2			
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	60	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	40	Check [Or = Pr + Rf]	OK
Total Groundmass Original (%)	100	Check [Gp + Gl + Ms = 100%]	OK
Total Groundmass Present (%)	60	Check [Or = Pr + Rf]	OK
Total Groundmass Replaced (%)	40	Check [Or = Pr + Rf]	OK
Whole Rock Summary	A grey, fairly fresh looking basalt (or more evolved alkaline lava) with regions of hydrous alteration. The alteration is found along fractures in the lava. No phenocrysts are observable in the hand sample. Possibly some calcite or phosphate filled fractures.		
Thin Section Summary	A feldspar dense trachytic basalt with layers of alteration. Sample contains spinel grains, some iddingsite and atleast one clinopyroxene grain. Likely a silca-undersaturated basanite or similar.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]								100
Present (%) [Pr]								60
Replaced / Filled (%) [Rf]								40
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)								
Maximum Size (mm)								
Modal Size (mm)								
Shape								
Habit								
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features								
Comments								



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]	1	95		1	3			
Present (%) [Pr]	0	95		1	3			
Replaced / Filled (%) [Rf]	1	0		0	0			
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.15	0.1		0.1	0.15			
Maximum Size (mm)	0.25	0.4		0.1	0.25			
Modal Size (mm)	0.2	0.3		0.1	0.2			
Shape	anhedral	subhedral			subhedral			
Habit		laths						
Comments	Iddingsite	May not be plagioclase.		Single grain				