General Information			
Sample Name (IGSN)	EX1705-D4-5		
Describer	Kevin Konrad		
Sample Location	Kahalewai		
Lithology prefix	Volcanic		
General Lithology	Breccia		
Texture 1	Altered		
Texture 2			
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	10	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	90	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 altered volcanic breccia or hyaloclastite with reddish basalt clasts in a phosphate or carbonate matrix. The sample contains a Mn coat (<0.5 cm). A few grey vesicles with iddingsite phenocrysts. Possibly some plagioclase phenocrysts as well.		
Thin Section Summary	A heavily recrystallized volcanic breccia with a phosphate cement. Clasts vary in composition with some coarse iddingsite grains (olivine) and one spongy zoned plagioclase grain (>1.2 mm). Most vesicles are palagonite rimmed.		

Whole Rock

Transmitted Light

PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]								100
Present (%) [Pr]								10
Replaced / Filled (%) [Rf]								90
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]								
Present (%) [Pr]								
Replaced / Filled (%) [Rf]								
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)								
Maximum Size (mm)								
Modal Size (mm)								
Shape								
Habit								
Comments								

Cross Polarized