General Information			
Sample Name (IGSN)	EX1605L1-D4-1		
Describer	Kevin Konrad		
Sample Location	Enigma seamount		
Lithology prefix	Completely Recrystallized		
General Lithology	breccia		
Texture 1	vesicular		
Texture 2	glassy		
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	0	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	100	Check [Or = Pr + Rf]	OK
Total Groundmass Original (%)	100	Check [Gp + Gl + Ms = 100%]	OK
Total Groundmass Present (%)	0	Check [Or = Pr + Rf]	OK
Total Groundmass Replaced (%)	100	Check [Or = Pr + Rf]	OK
Whole Rock Summary	A highly altered hyaloclastite or breccia. Contains a distinct yellow matrix. Most clasts are reddish with a few aphyric grey basaltic clasts in there.		
Thin Section Summary	A hyaloclastite, fractured pillow basalt, or breccia that is composed of completely altered glassy basaltic clasts. Rare plagioclase and olivine (iddingsite) grains can be found. Clasts are highly vesicular with palagonite(?) alteration rimming the vesicles. Some clay and carbonate fossil bearing sediment is found between grains making this sample a likely breccia. The clasts are mostly homogenous grey in color with a few reddish rust coated clasts. Very similar to D4-2		

Whole Rock

Transmitted Light

PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]								100
Present (%) [Pr]								0
Replaced / Filled (%) [Rf]								100
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								

Cross Polarized

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								