General Information				Whole Rock	Transmitted Light

General Information

Sample Name (IGSN)	EX1708-D8-1		
Describer	Kevin Konrad		
Sample Location	Wagner Seamount		
Lithology prefix			
General Lithology	hyaloclastite		
Texture 1	completely altered		
Texture 2	Phosphorite-Zeolite Cement		
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	1	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	99	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	Sample is difficult to discern whether it's a highly altered hyaloclastite or (more likely) a plagioclase ultraphyric basalt with plagioclase grains completely recrystallized to sericite. Sample has what appears to be sections of altered holocrystalline groundmass. Sample contains a thin (max thickness 0.25 cm) FeMn crust.		
Thin Section Summary	A completely altered hyaloclastite with all glass recrystallized. The sample contains rims of palagonite around each clast and vesicle. The matrix consists of phosphorite and zeolites. A single sector-zoned plagioclase grain is found within the sample and is fairly fresh. The yellow clasts observed in hand sample are glass chunks that contain abundant palagonite.		

Cross Polarized

PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
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								
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								