		General Information		
Sample Name (IGSN)		EX1706-D8-2		
Describer	Kevin Konrad			
Sample Location	Pierpont Seamount			
Lithology prefix	FeMn-Phosphorite Cemented			
General Lithology	Breccia			
Texture 1	Altered			
Texture 2				
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	ОК	
Whole Rock Present (%)	60	Check [Or = Pr + Rf]	ОК	
Whole Rock Replaced (%)	40	Check [Or = Pr + Rf]	ОК	
Total Groundmass Original (%)	100	Check [Gp + Gl + Ms = 100%]	ОК	
Total Groundmass Present (%)	0	Check [Or = Pr + Rf]	ОК	
Total Groundmass Replaced (%)	100	Check [Or = Pr + Rf]	ОК	
Whole Rock Summary	A volcanic bre The sampl (iddingsite)	eccia with thick phosphorite cement. Contains a large variety of e is coated in a ~1cm layer of FeMn and many of the individual phenocrysts are common among clast. Clinopyroxene is found likely biotite) phenocrysts. The largest clast wa	t basaltic clasts, many of which appear fairly fresh. clasts appear to have thin FeMn coats. Olivine I in a few. At least one clast has amphibole (and as separated (D8-2a)	
Thin Section Summary	The thin s grained i minor exs up to 1 mesostasi three phas	ection contains at least six different lithologies ma mafic rock (likely dolerite) with plagioclase, clinopy olution patterns). One trachytic basalt clast with pl L.75 mm) fresh amphibole grains. One clinopyroxen is. One biotite, amphibole and olivine phyric rock (o e basalt (iddingsite, plagioclase, clinopyroxene) wit composed of FeMn and phos	king it a true breccia. Contains a coarse roxene and orthopyroxene (both with agioclase and iddingsite. A few coarse (he phyric basalt with a altered glassy plivine recrystallized to iddingsite). One thin a glass matrix. The breccia cement is phorite.	



PHENOCRYSTS [Ph]	OL	PLAG	ΟΡΧ	СРХ	SPINEL	OTHER	VESICLES [Vs]	G
Original (%) [Or]								
Present (%) [Pr]								
Replaced / Filled (%) [Rf]								
Check [Or = Pr + Rf]	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ОК
Minimum Size (mm)								
Maximum Size (mm)								
Modal Size (mm)								
Shape								
Habit								
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features								
Comments								

GROUNDMASS [Gp]	OL	PLAG	ΟΡΧ	СРХ	SPINEL	OTHER	GLASS [GI]	M
Original (%) [Or]								
Present (%) [Pr]								
Replaced / Filled (%) [Rf]								
Check [Or = Pr + Rf]	ОК	ОК	ОК	ОК	ОК	OK	ОК	ОК
Minimum Size (mm)								
Maximum Size (mm)								
Modal Size (mm)								
Shape								
Habit								
Comments								

Transmitted Light







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