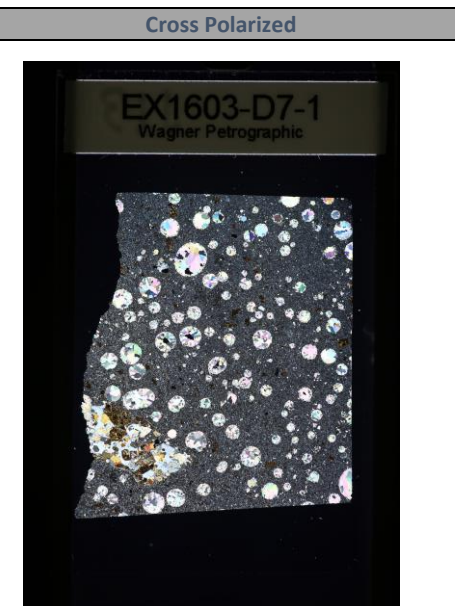


General Information			
Sample Name (IGSN)	EX1603-D7-1		
Describer	Kevin Konrad		
Sample Location	Hohonu Moana		
Lithology prefix	olivine		
General Lithology	basalt		
Texture 1	vesicular		
Texture 2			
Whole Rock Original (%)	100	Check [ Ph + Vs + Gm = 100% ]	OK
Whole Rock Present (%)	60	Check [ Or = 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 (%)	80	Check [ Or = Pr + Rf ]	OK
Total Groundmass Replaced (%)	20	Check [ Or = Pr + Rf ]	OK
Whole Rock Summary	A olivine basalt with calcite filled vesicles. Contains a relatively thin Mn-crust. Vesicles around the rim of the rock tend to be either clay filled or not infilled.		
Thin Section Summary	A olivine basalt with olivine recrystallized to iddingsite. Sample is highly vesicular with vesicles completely infilled with calcite. Groundmass consists of trachytic plagioclase, iddingsite, spinel and mesostasis. Thin section contains a gabbroic xenolith with plagioclase, amphibole and recrystallized olivine.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [ Or ]	8						25	67
Present (%) [ Pr ]	0						0	50
Replaced / Filled (%) [ Rf ]	8						25	17
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.25						0.5	
Maximum Size (mm)	0.5						0.75	
Modal Size (mm)	0.4						0.6	
Shape	anhedral						rounded	
Habit								
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features	Recrystallized to iddingsite							
Comments							Complete calcite infill	



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [ Or ]	10	30		5	5			50
Present (%) [ Pr ]	0	30		5	5			25
Replaced / Filled (%) [ Rf ]	10	0		0	0			25
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.01	0.01		0.005	0.005			
Maximum Size (mm)	0.02	0.03		0.007	0.007			
Modal Size (mm)	0.01	0.02		0.005	0.005			
Shape	anhedral	subhedral		anhedral	anhedral			
Habit								
Comments	Recrystallized to iddingsite							Not sure what is alteration.