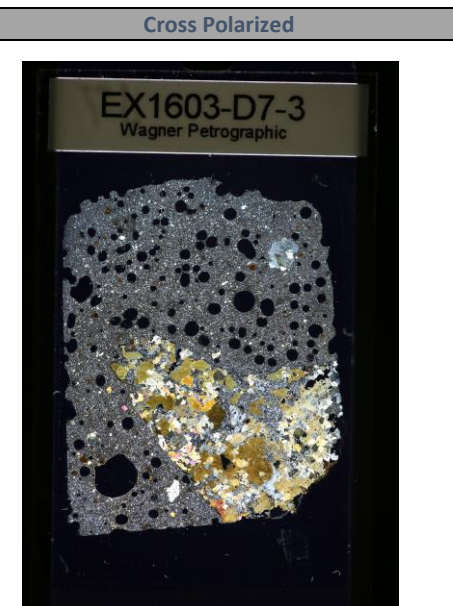


General Information			
Sample Name (IGSN)	EX1603-D7-3		
Describer	Kevin Konrad		
Sample Location	Hohonu Moana		
Lithology prefix	olivine		
General Lithology	basalt		
Texture 1	altered		
Texture 2	xenolith bearing		
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	60	Check [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 purplish basalt with some olivine phenocrysts. Sample has an altered glassy rind and a variety of vesicle shapes and sizes. Sample contains a large xenolith that appears gabbroic and does not contain a significant reaction halo.		
Thin Section Summary	A olivine basalt with most olivine recrystallized to iddingsite. Groundmass is plagioclase rich and trachytic with occasional iddingsite and clinopyroxene. Thin section contains part of a xenolith that is heavily altered pyroxene, olivine, plagioclase and biotite bearing. The basalt is vesicular with little to no infill.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]	10			2			25	63
Present (%) [Pr]	5			2			24	30
Replaced / Filled (%) [Rf]	5			0			1	33
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.25			0.25			0.25	
Maximum Size (mm)	1			0.4			0.9	
Modal Size (mm)	0.5			0.3			0.7	
Shape	anhedral			subhedral			rounded	
Habit								
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features	Mostly iddingsite, some serpentine							
Comments	Some might be disaggregated xenoliths			Likely disintegrates from the xenoliths			Some coating.	



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]	5	25						70
Present (%) [Pr]	0	22						0
Replaced / Filled (%) [Rf]	5	3						70
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.02	0.05						
Maximum Size (mm)	0.05	0.1						
Modal Size (mm)	0.04	0.075						
Shape	anhedral	subhedral						
Habit								
Comments	iddingsite							Seems altered