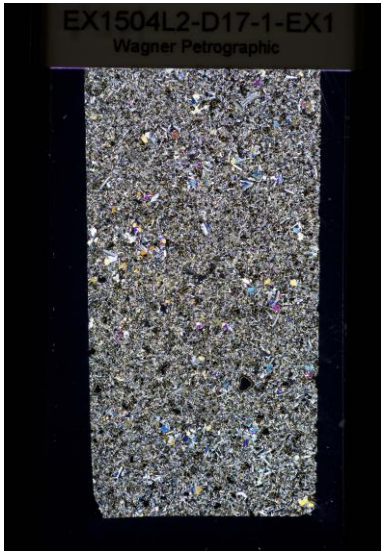
General Information			
Sample Name (IGSN)	EX1504L2-D17-1		
Describer	Kevin Konrad		
Sample Location	East North Gardner		
Lithology prefix			
General Lithology	Basalt		
Texture 1	Holocrystalline		
Texture 2	Vesicular		
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	95	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	5	Check [Or = Pr + Rf]	OK
Total Groundmass Original (%)	100	Check [Gp + Gl + Ms = 100%]	OK
Total Groundmass Present (%)	95	Check [Or = Pr + Rf]	OK
Total Groundmass Replaced (%)	5	Check [Or = Pr + Rf]	OK
Whole Rock Summary	A coarse grained aphyric basalt. Contains a few vesicles and a thin Mn coat. The rim of the rock is slightly lighter than the core, likely contains more glass.		
Thin Section Summary	A very coarse grained fresh basalt with plagioclase, clinopyroxene and olivine. Sample is porphyritic with some coarser grained plagioclase and olivine phenocrysts. The sample has semi-circular vesicles with alteration coating. Olivine and plagioclase display ophitic habits.		

Whole Rock

Transmitted Light

PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]	5	5					20	70
Present (%) [Pr]	5	5					17	67
Replaced / Filled (%) [Rf]	0	0					3	4
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.3	0.4					0.1	
Maximum Size (mm)	0.5	0.8					0.3	
Modal Size (mm)	0.4	0.4					0.2	
Shape	subhedral	euhedral					rounded	
Habit								
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features								
Comments	Lovely and fresh						Some (palagonite?) coating.	

Cross Polarized



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]	40	40		10	10			
Present (%) [Pr]	40	40		10	10			
Replaced / Filled (%) [Rf]	0	0		0	0			
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.1	0.2		0.1	0.05			
Maximum Size (mm)	0.3	0.4		0.2	0.1			
Modal Size (mm)	0.2	0.3		0.2	0.075			
Shape	anhedral	euhedral		subhedral	anhedral			
Habit								
Comments								