		General Information			
Sample Name (IGSN)		EX1706-D6-2			
Describer	Kevin Konrad				
Sample Location	Keli Ridge				
Lithology prefix	Olivine/Orthopyroxene-Clinopyroxene				
General Lithology	Basalt				
Texture 1	Altered				
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 (%)	50	Check [ Or = Pr + Rf ]	OK		
Total Groundmass Replaced (%)	50	Check [ Or = Pr + Rf ]	OK		
Whole Rock Summary		ree-phase alkali basalt with plagioclase(?), clinopyr sts. Sample has a glassy rind present in a few slabs Sample has a thin Fe-Mn	. Some fractures have phosphorite infill.		
Thin Section Summary	obse phenocrys displays Some high	roxene phyric basalt with ultramafic xenoliths (operved in thin section, despite potential grains obserts are Ti-augite but show low order birefringence (some minor disequibrium texture with the single conly altered macrocrysts are observed, recrystallized enocrysts(?). Sample matrix is glassy with some micorimmed vesicles are com	eved in hand sample. Clinopyroxene section likely over polished). The xenolith plivine grain recrystallized to iddingsite. It to a serpentine like mineral, likely once crocrysts of clinopyroxene. Palagonite		





PHENOCRYSTS [Ph]	OL	PLAG	ОРХ	СРХ	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [ Or ]	1		10	15	5	3	10	
Present (%) [ Pr ]	0		0	14	5	2	5	
Replaced / Filled (%) [ Rf ]	1		10	1	0	1	5	
Check [ Or = Pr + Rf ]	ОК	OK	OK	ОК	OK	OK	OK	OK
Minimum Size (mm)	0.5		0.25	0.5	0.25		0.1	
Maximum Size (mm)	0.5		1.5	1.5	0.75		0.2	
Modal Size (mm)	0.5		1	1.2	0.5		0.15	
Shape	anhedral		anhedral	subhedral	subhedral		subrounded	
Habit								
Zonation Type								
Zonation Extent								
<b>Exsolution Type</b>				Minor exsolution				
Special Features				Bluish extinction				
Comments	Iddingsite.		100% recrystallized to a fine serpentine like grain. May be altered olivine grains not OPX	are xenocrysts (disaggragated	Likely xenocrysts	One CPX-OPX-OLV- SPN xenolith.	Palagonite rim	

GROUNDMASS [Gp]	OL	PLAG	ОРХ	СРХ	SPINEL	OTHER	GLASS [GI]	MSTASIS [Ms]
Original (%) [ Or ]		10		10			80	
Present (%) [ Pr ]		8		9			0	
Replaced / Filled (%) [ Rf ]		2		1			80	
Check [ Or = Pr + Rf ]	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ОК
Minimum Size (mm)		0.1		0.05				
Maximum Size (mm)		0.2		0.2				
Modal Size (mm)		0.1		0.1				
Shape		subhedral		subhedral				
Habit		laths		laths				
Comments							Likely all altered, darkness and degre of Fe-oxide alteration varies.	е

