

Appendix 2

Geological Survey of Canada

Banks Island KIM samples - KIMBERLITE INDICATOR MINERAL COUNTS BY ODM - SPIKED BLANKS AND DUPLICATE SAMPLES

Sample Number	Sample Material <sup>1</sup>	Sample Type	Base Material	Result Types	Number of Grains																												
					Selected MMSIMs <sup>2</sup>									KIMs <sup>3</sup>																			
					1.0 to 2.0 mm			0.5 to 1.0 mm			0.25 to 0.5 mm			1.0 to 2.0 mm						0.5 to 1.0 mm						0.25 to 0.5 mm							Total (KIMs)
					Low-Cr diopside	Cpy	Gh	Low-Cr diopside	Cpy	Gh	Low-Cr diopside	Cpy	Gh	GP	GO	DC	IM	CR	FO	GP	GO	DC	IM	CR	FO	GP	GO	DC	IM	CR	FO		
15SUV017	R	Spiked sample	Bathurst blank #98	Lab results	0	0	0	0	0	0	0	0	0	2	0	0	0	0	3	6	0	0	0	6	0	0	0	0	0	0	17		
				Expected counts																												19	
				%'age recovered																												89.5	
15SUV018	BFm	Primary KIM Sample		Lab results	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3			
				Expected counts																													
15SUV019	BFm	Duplicate KIM Sample		Lab results	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2			
				Expected counts																													
15SUV029	T	Spiked sample	Linton blank #4	Lab results	0	0	0	0	0	0	4	0	0	3	0	0	0	1	2	3	0	0	0	4	0	0	0	0	0	0	13		
				Expected counts																												16	
				%'age recovered																												81.3	
15SUV031	SS	Primary KIM Sample		Lab results	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1		
				Expected counts																													
15SUV055	SS	Duplicate KIM Sample		Lab results	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
				Expected counts																													
16SUV021	T	Spiked sample	Linton blank #22	Lab results	0	0	0	3	1	0	3	6	0	0	0	0	0	0	0	3	0	0	1	0	0	0	1	0	0	27			
				Expected counts																												20	
				%'age recovered																												55	
16SUV029	R	Spiked sample	Bathurst blank #103	Lab results	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	5	3	12		
				Expected counts																												21	
				%'age recovered																												57.1	

<sup>1</sup>Sample Material: BFm=Beaufort Formation, R=bedrock (grus), SS=stream sediment, T=till

<sup>2</sup>Metamorphosed/Magmatic Massive Sulphide Indicator Minerals; Cpy=Chalcopyrite, Gh=Gahnite

<sup>3</sup>Kimberlite Indicator Minerals: CR=Chromite, DC=Cr-diopside, FO=forsterite, GO=Eclogitic garnet, GP=Peridotitic garnet, IM=Mg-ilmenite