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Detailed Heavy Mineral Analysis

Our Job No.: 09126
Disc No.:

Sample No: ABH000066

Overall Sample Assessment **Positive**

Your Project Code:

Sample Type (as collected): Stream Sediment Head Weight 44.34 kg
Sample Type (as received): Stream Sediment Wet Weight kg
Observed Sample Type: MI Concentrate

Diamond	Number of particles in each size fraction								Total particles	Description of these particles
	mm	+2.0	+1.2	+0.8	+0.4	+0.3	+0.25	+0.20	+0.10	
Diamond					1				1	colourless, irregular, resorbed - see attached description

Key Minerals	Number of particles in each size fraction								Wear	Overall Morph. Group	Total particles	No of particles probed	PRIORITY based on Morphology only)	PRIORITY based on morphology and Probe)
	mm	+2.0	+1.2	+0.8	+0.4	+0.3	+0.25	+0.20	+0.10					
Chromite/Cr-Spinel					1					UNK B	1		B	C
dull black, cokey, finely pitted, granular and weathered														

Other Minerals	% Percentage of particles in each size fraction								Wear	Colour	Angularity	Lustre	Transparency	Form/Shape
	mm	+2.0	+1.2	+0.8	+0.4	+0.3	+0.25	+0.20	+0.10					
Anatase					Tr	Tr		Tr		MW				
Corundum						Tr		Tr		MW				
Epidote						Tr		Tr		MW				
Fe Oxide/Hydroxide					100	100		100		MW				
Haematite						Tr		Tr		MW				
Kyanite					Tr	Tr		Tr		MW				
Leucosene					Tr	Tr		Tr		W				
Phosphate					Tr	Tr		Tr		WW				
Rutile					Tr	Tr		Tr		MW				
Tourmaline						Tr		Tr		WW				
Zircon					Tr	Tr		Tr		W				
TOTAL		%	%	%	100%	100%	%	100%	%					

What Has Been Observed?

Final Conc Weight 10.290000 g Size Range -0.5+0.2mm
Weight Observed 10.290000 g

Magnetic Fractions vs Size Fraction

mm	+2.0	+1.2	+0.8	+0.4	+0.3	+0.25	+0.20	+0.10
NotMag				All	All		All	

Comment about this sample:

Technician: JED

Date Observed: 11-Jan-10

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