DIATECH
HEAVY MINERAL SERVICES
Ph 61 8 9361 2596
Fx 61 8 9470 1504

Detailed Heavy Mineral Analysis

Our Job No.: 07113
Disc No.: -

Sample No: 163018

Overall Sample Assessment: **Negative**

Your Project Code: Northern Territory

Sample Type (as collected):	Loam	Head Weight	20.24 kg
Sample Type (as received):	Loam	Wet Weight	kg
Observed Sample Type:	DMS Concentrate		

Diamond

Number of particles in each size fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Total particles	Description of these particles

Key Minerals

Number of particles in each size fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Overall Morph. Group	Total particles	No of particles probed	PRIORITY based on Morphology only)	PRIORITY based on morphology and Probe)

Other Minerals

% Percentage of particles in each size fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Colour	Angularity	Lustre	Transparency	Form/Shape
Almandine				Tr	Tr				MW					
Amphibole					Tr				MW					
Barite				Tr	Tr				W					
Biotite					Tr				W					
Fe Oxide/Hydroxide			100	100	100				W					
Kyanite					Tr				MW					
Leucoxene			Tr	Tr	Tr				W					
Tourmaline				Tr	Tr				WW					
Zircon				Tr	Tr				WW					
TOTAL	%	%	100%	100%	100%	%	%	%						

What Has Been Observed?

Final Conc Weight	2.22 g	Size Range	-1.2+0.3 mm
Weight Observed	2.22 g		

Magnetic Fractions vs Size Fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10
NotMag			All	All	All			

Technician: JED
Date Observed: 21-Oct-07
Report Printed: 25/10/2007 4:06:11 PM

Comment about this sample:

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Detailed Heavy Mineral Analysis

Our Job No.: 07113
Disc No.: -

Sample No: 163019

Overall Sample Assessment: **Negative**

Your Project Code: Northern Territory

Sample Type (as collected):	Loam	Head Weight	11.46 kg
Sample Type (as received):	Loam	Wet Weight	kg
Observed Sample Type:	DMS Concentrate		

Diamond

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Total particles	Description of these particles

Number of particles in each size fraction

Key Minerals

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Overall Morph. Group	Total particles	No of particles probed	PRIORITY based on Morphology only)	PRIORITY based on morphology and Probe)

Number of particles in each size fraction

Other Minerals

% Percentage of particles in each size fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Colour	Angularity	Lustre	Transparency	Form/Shape
Almandine				15	5				MW					
Amphibole				Tr	Tr				MW					
Epidote				Tr	Tr				MW					
Fe Oxide/Hydroxide			100	50	5				W					
Gahnite					Tr				W					
Ilmenite				5	10				W					
Kyanite			Tr	25	60				W					
Leucoxene				Tr	Tr				W					
Rutile					Tr				W					
Spessartine			Tr	5	Tr				MW					
Tourmaline			Tr	Tr	20				W					
TOTAL	%	%	100%	100%	100%	%	%	%						

What Has Been Observed?

Final Conc Weight	0.9900000 g	Size Range	-1.2+0.3 mm
Weight Observed	0.9900000 g		

Magnetic Fractions vs Size Fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10
NotMag			All	All	All			

Technician: LF

Date Observed: 22-Oct-07

Report Printed: 25/10/2007 4:06:34 PM

Comment about this sample:

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Detailed Heavy Mineral Analysis

Our Job No.: 07113
Disc No.: -

Sample No: 163020

Overall Sample Assessment: **Negative**

Your Project Code: Northern Territory

Sample Type (as collected):	Loam	Head Weight	14.9 kg
Sample Type (as received):	Loam	Wet Weight	kg
Observed Sample Type:	DMS Concentrate		

Diamond

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Total particles	Description of these particles

Number of particles in each size fraction

Key Minerals

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Overall Morph. Group	Total particles	No of particles probed	PRIORITY based on Morphology only)	PRIORITY based on morphology and Probe)

Number of particles in each size fraction

Other Minerals

% Percentage of particles in each size fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Colour	Angularity	Lustre	Transparency	Form/Shape
Almandine			Tr	10	10				MW					
Amphibole			Tr	Tr	Tr				MW					
Epidote			Tr	Tr	Tr				W					
Fe Oxide/Hydroxide			80	10	Tr				W					
Gahnite				Tr	Tr				W					
Ilmenite				10	30				MW					
Kyanite			Tr	60	55				MW					
Spessartine			10	Tr	5				MW					
Staurolite				Tr	Tr				MW					
Tourmaline			10	10	Tr				MW					
TOTAL	%	%	100%	100%	100%	%	%	%						

What Has Been Observed?

Final Conc Weight	2.2000000 g	Size Range	-1.2+0.3 mm
Weight Observed	2.2000000 g		

Magnetic Fractions vs Size Fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10
NotMag			All	All	All			

Technician: LF

Date Observed: 22-Oct-07

Report Printed: 25/10/2007 4:06:55 PM

Comment about this sample:

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Ph 61 8 9361 2596
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Detailed Heavy Mineral Analysis

Our Job No.: 07113
Disc No.: -

Sample No: CKA59

Overall Sample Assessment: **Negative**

Your Project Code: Northern Territory

Sample Type (as collected):	Loam	Head Weight	27.9 kg
Sample Type (as received):	Loam	Wet Weight	kg
Observed Sample Type:	DMS Concentrate		

Diamond

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Total particles	Description of these particles
Number of particles in each size fraction										

Key Minerals

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Overall Morph. Group	Total particles	No of particles probed	PRIORITY based on Morphology only)	PRIORITY based on morphology and Probe)
Number of particles in each size fraction														

Other Minerals

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Colour	Angularity	Lustre	Transparency	Form/Shape
% Percentage of particles in each size fraction														
Almandine			20	25	20				MW					
Al-Spinel					Tr				W					
Amphibole				Tr	Tr				MW					
Biotite					Tr				W					
Epidote				Tr	Tr				MW					
Fe Oxide/Hydroxide			80	25	10				W					
Gahnite					Tr				MW					
Ilmenite				25	35				W					
Kyanite			Tr	25	35				MW					
Leucoxene					Tr				W					
Monazite					Tr				W					
Orthopyroxene				Tr	Tr				MW					
Spessartine			Tr	Tr	Tr				MW					
Staurolite				Tr	Tr				MW					
Tourmaline			Tr	Tr	Tr				MW					
Zircon				Tr	Tr				MW					
TOTAL	%	%	100%	100%	100%	%	%	%						

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Detailed Heavy Mineral Analysis

Our Job No.: 07113
Disc No.: -

Sample No:	CKA59
Overall Sample Assessment	Negative
Your Project Code:	Northern Territory

Technician: JED
Date Observed: 22-Oct-07
Report Printed: 25/10/2007 4:07:15 PM

What Has Been Observed?

Final Conc Weight	14.130000	g	Size Range	-1.2+0.3	mm
Weight Observed	14.130000	g			

Magnetic Fractions vs Size Fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10
NotMag			All	All	All			

Comment about this sample:

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Detailed Heavy Mineral Analysis

Our Job No.: 07113
Disc No.: -

Sample No: CKA60

Overall Sample Assessment: **Negative**

Your Project Code: Northern Territory

Sample Type (as collected): Loam
Sample Type (as received): Loam
Observed Sample Type: DMS Concentrate

Head Weight: 27.26 kg
Wet Weight: kg

Diamond

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Total particles	Description of these particles

Number of particles in each size fraction

Key Minerals

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Overall Morph. Group	Total particles	No of particles probed	PRIORITY based on Morphology only)	PRIORITY based on morphology and Probe)

Number of particles in each size fraction

Other Minerals

% Percentage of particles in each size fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Colour	Angularity	Lustre	Transparency	Form/Shape
Almandine			70	15	5				MW					
Amphibole				Tr	Tr				MW					
Biotite					Tr				W					
Epidote				Tr	Tr				W					
Fe Oxide/Hydroxide			20	5	Tr				W					
Gahnite				Tr	Tr				W					
Ilmenite				20	50				W					
Kyanite			Tr	50	40				MW					
Monazite					Tr				W					
Rutile					Tr				W					
Spessartine			10	10	5				MW					
Staurolite				Tr	Tr				W					
Tourmaline			Tr	Tr	Tr				W					
TOTAL	%	%	100%	100%	100%	%	%	%						

What Has Been Observed?

Final Conc Weight: 6.7399999 g
Weight Observed: 6.7399999 g
Size Range: -1.2+0.3 mm

Technician: LF
Date Observed: 22-Oct-07
Report Printed: 25/10/2007 4:07:38 PM

Magnetic Fractions vs Size Fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10
NotMag			All	All	All			

Comment about this sample:

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Detailed Heavy Mineral Analysis

Our Job No.: 07113
Disc No.: -

Sample No: CKA61

Overall Sample Assessment: **Negative**

Your Project Code: Northern Territory

Sample Type (as collected):	Loam	Head Weight	27.74 kg
Sample Type (as received):	Loam	Wet Weight	kg
Observed Sample Type:	DMS Concentrate		

Diamond

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Total particles	Description of these particles
Number of particles in each size fraction										

Key Minerals

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Overall Morph. Group	Total particles	No of particles probed	PRIORITY based on Morphology only)	PRIORITY based on morphology and Probe)
Number of particles in each size fraction														

Other Minerals

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Colour	Angularity	Lustre	Transparency	Form/Shape
% Percentage of particles in each size fraction														
Almandine			30	30	30				MW					
Al-Spinel					Tr				MW					
Amphibole			Tr	Tr	Tr				MW					
Epidote				Tr	Tr				MW					
Fe Oxide/Hydroxide			50	30	Tr				W					
Gahnite				Tr	Tr				MW					
Ilmenite				15	30				MW					
Kyanite				15	40				MW					
Leucoxene				Tr	Tr				W					
Monazite				Tr	Tr				W					
Rutile				Tr	Tr				MW					
Spessartine				10	Tr				MW					
Staurolite				Tr	Tr				MW					
Tourmaline			20	Tr	Tr				MW					
Zircon					Tr				MW					
TOTAL	%	%	100%	100%	100%	%	%	%						

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Detailed Heavy Mineral Analysis

Our Job No.: 07113
Disc No.: -

Sample No:	CKA61
Overall Sample Assessment	Negative
Your Project Code:	Northern Territory

Technician: JED
Date Observed: 22-Oct-07
Report Printed: 25/10/2007 4:08:01 PM

What Has Been Observed?

Final Conc Weight	6.7199998	g	Size Range	-1.2+0.3	mm
Weight Observed	6.7199998	g			

Magnetic Fractions vs Size Fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10
NotMag			All	All	All			

Comment about this sample:

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Detailed Heavy Mineral Analysis

Our Job No.: 07113
Disc No.: -

Sample No: CKA62

Overall Sample Assessment: **Negative**

Your Project Code: Northern Territory

Sample Type (as collected):	Loam	Head Weight	26.22 kg
Sample Type (as received):	Loam	Wet Weight	kg
Observed Sample Type:	DMS Concentrate		

Diamond

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Total particles	Description of these particles

Number of particles in each size fraction

Key Minerals

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Overall Morph. Group	Total particles	No of particles probed	PRIORITY based on Morphology only)	PRIORITY based on morphology and Probe)

Number of particles in each size fraction

Other Minerals

% Percentage of particles in each size fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Colour	Angularity	Lustre	Transparency	Form/Shape
Almandine			20	25	30				MW					
Al-Spinel				Tr	Tr				MW					
Amphibole				Tr	Tr				MW					
Epidote				Tr	Tr				MW					
Fe Oxide/Hydroxide			80	25	10				W					
Gahnite			Tr	Tr	Tr				MW					
Ilmenite				25	30				W					
Kyanite			Tr	25	30				MW					
Leucoxene				Tr	Tr				W					
Monazite				Tr	Tr				WW					
Orthopyroxene					Tr				MW					
Rutile					Tr				W					
Spessartine			Tr	Tr	Tr				MW					
Staurolite					Tr				MW					
Zircon					Tr				W					
TOTAL	%	%	100%	100%	100%	%	%	%						

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Detailed Heavy Mineral Analysis

Our Job No.: 07113
Disc No.: -

Sample No:	CKA62
Overall Sample Assessment	Negative
Your Project Code:	Northern Territory

Technician: JED
Date Observed: 22-Oct-07
Report Printed: 25/10/2007 4:08:22 PM

What Has Been Observed?

Final Conc Weight	10.72	g	Size Range	-1.2+0.3	mm
Weight Observed	10.72	g			

Magnetic Fractions vs Size Fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10
NotMag			All	All	All			

Comment about this sample:

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Detailed Heavy Mineral Analysis

Our Job No.: 07113
Disc No.: -

Sample No: CKA64

Overall Sample Assessment: **Negative**

Your Project Code: Northern Territory

Sample Type (as collected):	Loam	Head Weight	22.1 kg
Sample Type (as received):	Loam	Wet Weight	kg
Observed Sample Type:	DMS Concentrate		

Diamond

Number of particles in each size fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Total particles	Description of these particles

Key Minerals

Number of particles in each size fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Overall Morph. Group	Total particles	No of particles probed	PRIORITY based on Morphology only)	PRIORITY based on morphology and Probe)

Other Minerals

% Percentage of particles in each size fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Colour	Angularity	Lustre	Transparency	Form/Shape
Almandine					Tr				MW					
Barite					Tr				W					
Clinopyroxene					Tr				MW					
Fe Oxide/Hydroxide			100	100	100				W					
Ilmenite					Tr				MW					
Kyanite				Tr	Tr				MW					
Leucoxene				Tr	Tr				W					
Tourmaline				Tr	Tr				MW					
Zircon					Tr				W					
TOTAL	%	%	100%	100%	100%	%	%	%						

What Has Been Observed?

Final Conc Weight	7.4500002 g	Size Range	-1.2+0.3 mm
Weight Observed	7.4500002 g		

Magnetic Fractions vs Size Fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10
NotMag			All	All	All			

Technician: JED
Date Observed: 21-Oct-07
Report Printed: 25/10/2007 4:08:45 PM

Comment about this sample:

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Detailed Heavy Mineral Analysis

Our Job No.: 07113
Disc No.: -

Sample No: CKA65

Overall Sample Assessment: **Negative**

Your Project Code: Northern Territory

Sample Type (as collected):	Loam	Head Weight	10.26 kg
Sample Type (as received):	Loam	Wet Weight	kg
Observed Sample Type:	DMS Concentrate		

Diamond

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Total particles	Description of these particles

Number of particles in each size fraction

Key Minerals

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Overall Morph. Group	Total particles	No of particles probed	PRIORITY based on Morphology only)	PRIORITY based on morphology and Probe)

Number of particles in each size fraction

Other Minerals

% Percentage of particles in each size fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Colour	Angularity	Lustre	Transparency	Form/Shape
Almandine					Tr				MW					
Amphibole					Tr				W					
Fe Oxide/Hydroxide			100	100	100				W					
Ilmenite					Tr				W					
Muscovite					Tr					w				
Tourmaline				Tr	Tr				WW					
TOTAL	%	%	100%	100%	100%	%	%	%						

What Has Been Observed?

Final Conc Weight	1.8400000 g	Size Range	-1.2+0.3 mm
Weight Observed	1.8400000 g		

Magnetic Fractions vs Size Fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10
NotMag			All	All	All			

Technician: JED

Date Observed: 21-Oct-07

Report Printed: 25/10/2007 4:09:11 PM

Comment about this sample:

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Detailed Heavy Mineral Analysis

Our Job No.: 07113
Disc No.: -

Sample No: CKA67

Overall Sample Assessment: **Negative**

Your Project Code: Northern Territory

Sample Type (as collected):	Loam	Head Weight	23.8 kg
Sample Type (as received):	Loam	Wet Weight	kg
Observed Sample Type:	DMS Concentrate		

Diamond

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Total particles	Description of these particles

Number of particles in each size fraction

Key Minerals

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Overall Morph. Group	Total particles	No of particles probed	PRIORITY based on Morphology only)	PRIORITY based on morphology and Probe)

Number of particles in each size fraction

Other Minerals

% Percentage of particles in each size fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Colour	Angularity	Lustre	Transparency	Form/Shape
Almandine			Tr	Tr	Tr				MW					
Amphibole				Tr	Tr				MW					
Biotite					Tr				W					
Fe Oxide/Hydroxide			100	100	100				W					
Ilmenite				Tr	Tr				MW					
Kyanite			Tr	Tr	Tr				MW					
Spessartine					Tr				MW					
Tourmaline				Tr	Tr				W					
Zircon					Tr				WW					
TOTAL	%	%	100%	100%	100%	%	%	%						

What Has Been Observed?

Final Conc Weight	52.07 g	Size Range	-1.2+0.3 mm
Weight Observed	52.07 g		

Magnetic Fractions vs Size Fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10
NM			All	All	All			
M6/7			All	All	All			
M4/5			All	All	All			

Technician: JED

Date Observed: 21-Oct-07

Report Printed: 25/10/2007 4:09:36 PM

Comment about this sample:

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Detailed Heavy Mineral Analysis

Our Job No.: 07113
Disc No.: -

Sample No: CKA69

Overall Sample Assessment: **Negative**

Your Project Code: Northern Territory

Sample Type (as collected):	Loam	Head Weight	21.24 kg
Sample Type (as received):	Loam	Wet Weight	kg
Observed Sample Type:	DMS Concentrate		

Diamond

Number of particles in each size fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Total particles	Description of these particles

Key Minerals

Number of particles in each size fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Overall Morph. Group	Total particles	No of particles probed	PRIORITY based on Morphology only)	PRIORITY based on morphology and Probe)

Other Minerals

% Percentage of particles in each size fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Colour	Angularity	Lustre	Transparency	Form/Shape
Biotite					Tr				W					
Fe Oxide/Hydroxide			100	100	100				W					
Kyanite				Tr	Tr				MW					
Rutile					Tr				MW					
Tourmaline				Tr	Tr				MW					
TOTAL	%	%	100%	100%	100%	%	%	%						

What Has Been Observed?

Final Conc Weight	2.11 g	Size Range	-1.2+0.3 mm
Weight Observed	2.11 g		

Magnetic Fractions vs Size Fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10
NotMag			All	All	All			

Technician: JED
Date Observed: 21-Oct-07
Report Printed: 25/10/2007 4:09:57 PM

Comment about this sample:

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Detailed Heavy Mineral Analysis

Our Job No.: 07113
Disc No.: -

Sample No: CKA71

Overall Sample Assessment: **Negative**

Your Project Code: Northern Territory

Sample Type (as collected):	Loam	Head Weight	22.62 kg
Sample Type (as received):	Loam	Wet Weight	kg
Observed Sample Type:	DMS Concentrate		

Diamond

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Total particles	Description of these particles

Number of particles in each size fraction

Key Minerals

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Overall Morph. Group	Total particles	No of particles probed	PRIORITY based on Morphology only)	PRIORITY based on morphology and Probe)

Number of particles in each size fraction

Other Minerals

% Percentage of particles in each size fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Colour	Angularity	Lustre	Transparency	Form/Shape
Amphibole					Tr				MW					
Barite					Tr				W					
Biotite					Tr				MW					
Epidote					Tr				W					
Fe Oxide/Hydroxide			100	100	100				W					
Ilmenite					Tr				W					
Kyanite					Tr				W					
Leucoxene					Tr				W					
Martite					Tr				MW					
Phosphate					Tr				WW					
Spessartine					Tr				MW					
Tourmaline					Tr				W					
Zircon					Tr				W					
TOTAL	%	%	100%	100%	100%	%	%	%						

What Has Been Observed?

Final Conc Weight	530.86 g	Size Range	-1.2+0.3 mm
Weight Observed	62.705000 g		

Technician: LF
Date Observed: 22-Oct-07
Report Printed: 25/10/2007 4:10:17 PM

Magnetic Fractions vs Size Fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10
NM			All	1/2	All			
M6/7			None	None	All			
M4/5			None	None	All			

Comment about this sample:

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Ph 61 8 9361 2596
Fx 61 8 9470 1504

Detailed Heavy Mineral Analysis

Our Job No.: 07113
Disc No.: -

Sample No: CKA72

Overall Sample Assessment: **Negative**

Your Project Code: Northern Territory

Sample Type (as collected):	Loam	Head Weight	23.56 kg
Sample Type (as received):	Loam	Wet Weight	kg
Observed Sample Type:	DMS Concentrate		

Diamond

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Total particles	Description of these particles
Number of particles in each size fraction										

Key Minerals

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Overall Morph. Group	Total particles	No of particles probed	PRIORITY based on Morphology only)	PRIORITY based on morphology and Probe)
Number of particles in each size fraction														

Other Minerals

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Colour	Angularity	Lustre	Transparency	Form/Shape
% Percentage of particles in each size fraction														
Almandine			25	50	45				MW					
Amphibole			5	10	10				MW					
Biotite			10	Tr	Tr				MW					
Chlorite				Tr	Tr				W					
Epidote			30	10	5				W					
Fe Oxide/Hydroxide			20	Tr	Tr				W					
Gahnite				Tr	Tr				W					
Ilmenite			Tr	Tr	5				W					
Kyanite				5	10				MW					
Leucoxene					Tr				W					
Monazite				Tr	Tr				W					
Orthopyroxene				Tr	Tr				MW					
Spessartine			10	25	25				MW					
Tourmaline					Tr				W					
Zircon					Tr				WW					
TOTAL	%	%	100%	100%	100%	%	%	%						

DIATECH
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Detailed Heavy Mineral Analysis

Our Job No.: 07113
Disc No.: -

Sample No:	CKA72
Overall Sample Assessment	Negative
Your Project Code:	Northern Territory

Technician: LF
Date Observed: 22-Oct-07
Report Printed: 25/10/2007 4:15:05 PM

What Has Been Observed?

Final Conc Weight	3.31	g	Size Range	-1.2+0.3	mm
Weight Observed	3.31	g			

Magnetic Fractions vs Size Fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10
NotMag			All	All	All			

Comment about this sample:

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Detailed Heavy Mineral Analysis

Our Job No.: 07113
Disc No.: -

Sample No: CKA73

Overall Sample Assessment: **Negative**

Your Project Code: Northern Territory

Sample Type (as collected):	Loam	Head Weight	24.04 kg
Sample Type (as received):	Loam	Wet Weight	kg
Observed Sample Type:	DMS Concentrate		

Diamond

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Total particles	Description of these particles

Key Minerals

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Overall Morph. Group	Total particles	No of particles probed	PRIORITY based on Morphology only)	PRIORITY based on morphology and Probe)

Other Minerals

% Percentage of particles in each size fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Colour	Angularity	Lustre	Transparency	Form/Shape
Almandine			5	30	30				MW					
Amphibole				Tr	Tr				MW					
Biotite				Tr	Tr				W					
Epidote				Tr	Tr				W					
Fe Oxide/Hydroxide			90	25	10				W					
Gahnite				Tr	Tr				MW					
Ilmenite				30	30				MW					
Kyanite			Tr	15	30				MW					
Monazite					Tr				WW					
Rutile				Tr	Tr				W					
Spessartine			Tr	Tr	Tr				MW					
Staurolite				Tr	Tr				W					
Tourmaline			5	Tr	Tr				MW					
TOTAL	%	%	100%	100%	100%	%	%	%						

What Has Been Observed?

Final Conc Weight	4.5699999 g	Size Range	-1.2+0.3 mm
Weight Observed	4.5699999 g		

Technician: JED
Date Observed: 22-Oct-07
Report Printed: 25/10/2007 4:15:28 PM

Magnetic Fractions vs Size Fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10
NotMag			All	All	All			

Comment about this sample:

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Detailed Heavy Mineral Analysis

Our Job No.: 07113
Disc No.: -

Sample No: CKA79

Overall Sample Assessment: **Negative**

Your Project Code: Northern Territory

Sample Type (as collected):	Loam	Head Weight	20.54 kg
Sample Type (as received):	Loam	Wet Weight	kg
Observed Sample Type:	DMS Concentrate		

Diamond

Number of particles in each size fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Total particles	Description of these particles

Key Minerals

Number of particles in each size fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Overall Morph. Group	Total particles	No of particles probed	PRIORITY based on Morphology only)	PRIORITY based on morphology and Probe)

Other Minerals

% Percentage of particles in each size fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Colour	Angularity	Lustre	Transparency	Form/Shape
Almandine			Tr	Tr	Tr				MW					
Barite				Tr	Tr				W					
Biotite					Tr				W					
Fe Oxide/Hydroxide			100	100	100				W					
Ilmenite					Tr				W					
Kyanite				Tr	Tr				MW					
Rutile				Tr	Tr				W					
Spessartine					Tr				MW					
Tourmaline				Tr	Tr				MW					
Zircon				Tr	Tr				W					
TOTAL	%	%	100%	100%	100%	%	%	%						

What Has Been Observed?

Final Conc Weight	78.4 g	Size Range	-1.2+0.3 mm
Weight Observed	78.4 g		

Technician: JED
Date Observed: 18-Oct-07
Report Printed: 25/10/2007 4:11:21 PM

Magnetic Fractions vs Size Fraction

mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10
NM			All	All	All			
M6/7			All	All	All			
M4/5			All	All	All			

Comment about this sample: