Ph 61 8 9361 2596

Detailed Heavy Mineral Analysis

Our Job No.: 10065

| Samp | le No: | MCH000027 |
|---------------------|---------|-------------------|
| Overall Sample Asse | essment | Positive |
| Your Project Code: | | McArthur River NT |

Disc No.:

| FX 61 6 74/U 1304 | | | |
|-----------------------------|-----------------|-------------|---------|
| Sample Type (as collected): | Stream Sediment | Head Weight | 52.7 kg |
| Sample Type (as received): | Stream Sediment | Wet Weight | kg |
| Observed Sample Type: | MI Concentrate | | |

| Diamond _m | m | <u>Nur</u> +2.0 | nber o | | <u>es in ea</u> +.4 | <u>ch size f</u> +.3 | | +.20 | +.10 | Tota parti | | Descriptio | n of these pa | rticles | | |
|----------------------|--------|---------------------|---------------------|----------|------------------------|-------------------------|------------------|----------------------|------|---------------|------|------------|--------------------|--------------------|--------------|------------------------|
| Key Minerals | m | +2.0 | <u>Numl</u> +1.2 | | articles +.4 | in each +.3 | size fra +.25 | <u>ction</u> +.20 | +.10 | Asses | smer | nt Wear | Total particles | No of pa probed | rticles | |
| Chromite/Cr-Spinel | ı | | | | | 1 | | 1 | 1 | | Α | UNK | | 2 | | |
| Other Minerals | S m | <u>% P∈</u> +2.0 | ercento +1.2 | age of p | articles +.4 | in each +.3 | size fra +.25 | <u>ction</u> +.20 | +.10 | Wea | r C | Colour | Angularity | Lustre | Transparency | Form/Shape |
| Anatase | | | | | Tr | Tr | | 5 | | LA | | | | | | |
| Barite | | | | | Tr | Tr | | Tr | | LA | | | | | | |
| Corundum | | | | | Tr | Tr | | Tr | | MA | | | | | | |
| Fe Oxide/Hydroxide | | | | | 100 | 75 | | 55 | | | | | | | | |
| llmenite | | | | | | Tr | | Tr | | НА | | | | | | |
| Leucoxene | | | | | Tr | 10 | | 15 | | НА | | | | | | |
| Micrometeorites | | | | | | Tr | | | | | | | | | | 2 grains |
| Phosphate | | | | | Tr | 15 | | 15 | | НА | | | | | | |
| Pyrite | | | | | Tr | Tr | | Tr | | LA | | | | | | |
| Rutile | | | | | Tr | Tr | | Tr | | МА | | | | | | |
| Tourmaline | | | | | Tr | Tr | | Tr | | НА | | | | | | |
| Zircon | | | | | | Tr | | 10 | | НА | | | | | | some more fresh euhedr |
| TOTAL | | % | % | , % | 100% | 5 100% | % | 100% | % | | | | | | | |

Final Conc Weight Size Range 0.56 g -0.5+0.2 mm Weight Observed 0.56 g

Report Printed: Comment about this sample:

Magnetic Fractions vs Size Fraction

mm +2.0 +1.2 +.8 +.20 All NotMag

8/09/2010 3:01:45 PM

Technician:

Date Observed:

LF

20-Aug-10



Our Job No.: 10065

Sample No: MCH000028 Overall Sample Assessment **Negative** Your Project Code: McArthur River NT

Disc No.:

| 17/01/07/47/01/004 | | | |
|-----------------------------|-----------------|-------------|----------|
| Sample Type (as collected): | Stream Sediment | Head Weight | 42.08 kg |
| Sample Type (as received): | Stream Sediment | Wet Weight | kg |
| Observed Sample Type: | MI Concentrate | | |

| Diamond | | Nur | nber of | particle | es in ea | <u>ch size</u> | fraction | 1 | | lotai | | | | |
|-------------|----|------|---------|----------|------------|----------------|------------|--------|------|----------------------|-----------------|------------------------|--|--|
| Diamona | mm | +2.0 | +1.2 | +.8 | +.4 | +.3 | +.25 | +.20 | +.10 | particles Descriptio | n of these par | ticles | | |
| | | | | | | | | | | | | | | |
| Key Mineral | | | Numb | er of po | articles i | in each | n size fro | action | | Assessment Wear | Total particles | No of particles probed | | |
| | mm | +2.0 | +1.2 | +.8 | +.4 | +.3 | +.25 | +.20 | +.10 | | | | | |

| +2.0 | +1.2 | +.8 | +.4 | +.3 | +.25 | +.20 | +.10 | Wear | Colour | Angularity | Lustre | Transparency | Form/Shape |
|------|------|-----------|---------------|-----------------|----------------------------------|-------------------------------------|--|--|--|---|---|---|---|
| | | | | | | Tr | \Box | MA | | | | | |
| | | | Tr | Tr | | 10 | T | НА | | | | | |
| | | | 100 | 75 | | 35 | | MA | | | | | |
| | | | Tr | 20 | | 50 | T | НА | | | | | |
| | | | Tr | 5 | | Tr | T | НА | | | | | |
| | | | Tr | Tr | | Tr | T | НА | | | | | |
| | | | | Tr | | Tr | ┪ | НА | | | | | |
| | | | | Tr | | 5 | T | НА | | | | | |
| | +2.0 | +2.0 +1.2 | +2.0 +1.2 +.8 | Tr 100 Tr | Tr Tr 100 75 Tr 20 Tr 5 Tr Tr | Tr Tr Tr 100 75 Tr 20 Tr 5 Tr Tr Tr | Tr Tr 10 100 75 35 Tr 20 50 Tr 5 Tr Tr Tr Tr | Tr Tr 10 100 75 35 Tr 20 50 Tr 5 Tr Tr Tr Tr | Tr Tr MA Tr Tr 10 HA 100 75 35 MA Tr 20 50 HA Tr 5 Tr HA Tr Tr Tr HA Tr Tr Tr HA | Tr Tr MA Tr Tr 10 HA 100 75 35 MA Tr 20 50 HA Tr 5 Tr HA Tr Tr Tr HA Tr Tr HA | Tr Tr MA Tr Tr 10 HA 100 75 35 MA Tr 20 50 HA Tr 5 Tr HA Tr Tr Tr HA Tr Tr HA | Tr Tr MA Tr Tr 10 HA 100 75 35 MA Tr 20 50 HA Tr 5 Tr HA Tr Tr Tr HA Tr Tr HA | Tr Tr MA Tr Tr 10 HA 100 75 35 MA Tr 20 50 HA Tr 5 Tr HA Tr Tr Tr HA Tr Tr HA |

| What | Has E | Been (| Obser\ | /ed? |
|------|-------|--------|--------|------|
| | | | | |

Final Conc Weight 0.16 g Size Range -0.5+0.2 mm Weight Observed 0.16 g

Magnetic Fractions vs Size Fraction +.10 mm +2.0 +.20 NotMag All ΑII

LF Technician: Date Observed: 25-Aug-10

Report Printed: 8/09/2010 3:02:13 PM



Our Job No.: 10065 Disc No.:

Sample No: MCH000029

Overall Sample Assessment

Negative

Your Project Code:

McArthur River NT

| mple Type (as collected): Stream Sediment | Head Weight | 39.54 kg |
|---|-------------|----------|
| mple Type (as received): Stream Sediment | Wet Weight | kg |
| Observed Sample Type: MI Concentrate | | |
| | | |

Total **Diamond** particles Description of these particles +.10

Assessment Wear Total No of particles **Key Minerals** Number of particles in each size fraction particles probed mm +2.0 +1.2 +.8 +.4 +.3 +.25 +.20 +.10

| Other Mineral | S +2.0 | +1.2 | +.8 | +.4 | +.3 | +.25 | +.20 | +.10 | Wear | Colour | Angularity | Lustre | Transparency | Form/Shape |
|--------------------|--------|------|-----|------|------|------|------|------|------|--------|------------|--------|--------------|------------|
| Anatase | | | | Tr | Tr | | Tr | | MA | | | | | |
| Corundum | | | | | | | Tr | ì | MA | | | | | |
| Fe Oxide/Hydroxide | | | | 100 | 95 | | 90 | T | НА | | | | | |
| Haematite | | | | | Tr | | | i | НА | | | | | |
| Kyanite | | | | | | | Tr | T | НА | | | | | |
| Leucoxene | | | | Tr | 5 | | 10 | T | НА | | | | | |
| Phosphate | | | | Tr | Tr | | Tr | T | НА | | | | | |
| Pyrite | | | | | | | Tr | T | MA | | | | | |
| Rutile | | | | | Tr | | Tr | T | НА | | | | | |
| Tourmaline | | | | Tr | Tr | | Tr | T | НА | | | | | |
| Zircon | | | | | Tr | | Tr | T | НА | | | | | |
| TOTAL | 78 | 5 % | 3 % | 100% | 100% | %_1 | 00% | % | | | | | | |

What Has Been Observed?

Final Conc Weight 0.3800000 g Size Range -0.5+0.2 mm

Weight Observed 0.3800000 g

NotMag

Comment about this sample:

Magnetic Fractions vs Size Fraction +.10 mm +2.0 +1.2 +.8 +.20 All All

8/09/2010 3:02:39 PM

JED

23-Aug-10

Technician:

Date Observed:

Report Printed:



Our Job No.: 10065

Sample No: MCH000030 Overall Sample Assessment **Negative** Your Project Code: McArthur River NT

Disc No.:

| 17/01/07/47/01/004 | | | |
|-----------------------------|-----------------|-------------|----------|
| Sample Type (as collected): | Stream Sediment | Head Weight | 41.58 kg |
| Sample Type (as received): | Stream Sediment | Wet Weight | kg |
| Observed Sample Type: | MI Concentrate | | |

Total **Diamond** particles Description of these particles +.10

No of particles Assessment Wear Total **Key Minerals** Number of particles in each size fraction particles probed mm +2.0 +1.2 +.8 +.4 +.3 +.25 +.20 +.10

| Other Minerals | +2.0 | +1.2 | +.8 | +.4 | +.3 | +.25 | +.20 | +.10 | Wear | Colour | Angularity | Lustre | Transparency | Form/Shape |
|--------------------|------|------|-----|-------|------|------|------|------|------|--------|------------|--------|--------------|------------|
| Anatase | | | | Tr | Tr | | 5 | | МА | | | | | |
| Fe Oxide/Hydroxide | | | | 100 | 95 | | 85 | | МА | | | | | |
| Leucoxene | | | | Tr | 5 | | 10 | | НА | | | | | |
| Phosphate | | | | Tr | Tr | | Tr | | НА | | | | | |
| Pyrite | | | | Tr | Tr | | Tr | | МА | | | | | |
| Rutile | | | | | Tr | | Tr | | НА | | | | | |
| Tourmaline | | | | | | | Tr | | НА | | | | | |
| Zircon | | | | | Tr | | Tr | | НА | | | | | |
| TOTAL | % | % | % | 10097 | 100% | Ø | 100% | % | | | | | | |

What Has Been Observed?

Size Range Final Conc Weight 0.8500000 g -0.5+0.2 mm

Weight Observed 0.8500000 g

Magnetic Fractions vs Size Fraction +.10 mm +2.0 +1.2 +.8 +.20 All Αll All NotMag

Technician: BJG Date Observed: 23-Aug-10

Report Printed:

8/09/2010 3:03:04 PM



Our Job No.: 10065 Disc No.: -

| MCH000031 | Sample No: | |
|-----------|------------------|----|
| Negative | ample Assessment | Sc |

Overall Your Project Code:

| Fx 61 8 9470 1504 | | | | | | | | | | 100 | rrojecic | oue. | | MCAIIIUI RIVE |
|----------------------|---------------------|----------------------------|-----|---------------------|----------------|------------------|----------------------|------|-----------------|---------------|-----------------|----------------------|--------------|------------------|
| Sample Type (as | colle | ected): | | St | ream S | Sedime | nt | | | | | Head | Weight | 45.2 k |
| Sample Type (as | | | | | | Sedime | | | | | | | Weight | k |
| Observed Sc | ample | e Type: | | ٨ | ИI Con | centra | te | | | | | | | |
| Diamond _m | <u>l</u> m +2 | | | cles in ea 3 +.4 | ch size | fraction +.25 | +.20 | +.10 | Total partic | es Descriptio | on of these par | ticles | | |
| Key Minerals | m +2 | | | particles +.4 | in each +.3 | size fra | <u>ction</u> +.20 | +.10 | Assess | ment Wear | Total particles | No of part probed | icles | |
| | | | | | | | | | | | | | | |
| Other Minerals | \$ <u>%</u> m +2 | <u>S Percen</u> .0 +1.2 | | particles +.4 | in each +.3 | size fra +.25 | <u>ction</u> +.20 | +.10 | Wear | Colour | Angularity | Lustre | Transparency | Form/Shape |
| Anatase | | | | | Tr | | Tr | | МА | | | | | |
| Barite | | | | | | | Tr | | MA | | | | | |
| Fe Oxide/Hydroxide | | | | 100 | 95 | | 85 | | НА | | | | | |
| Leucoxene | | | | | 5 | | 15 | | НА | | | | | |
| Micrometeorites | | | | Tr | | | | | | | | | 1 | grain |
| Phosphate | | | | Tr | Tr | | Tr | | НА | | | | | |
| Rutile | | | | | Tr | | Tr | | НА | | | | | |
| Tourmaline | | | | | Tr | | Tr | | НА | | | | | |
| Zircon | | | | | Tr | | Tr | | НА | | | | | |
| TOTAL | | % | % % | % 100% | 100% | % | 100% | % | | | | | | |
| What Has Bee | n Ol | oserve | ed? | | | | | | _ | | | | Technic | ian: |
| Final Conc Weigh | | | 1 | Size Rar | nge | -0 | .5+0.2 | mm | | | | | Date Obser | |
| Weight Observed | | 0.4 | 4 g | | | | | | | | Re | port Prin | | /09/2010 3:03:31 |
| Magnetic Fraction | 1S VS +2.0 | Size Fro | | +.4 | +.3 | +.25 | +.20 | +.10 | | ment al | | - | | |
| NotMag | | | | All | All | | All | | this s | ample: | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | = | | | | | |

Ph 61 8 9361 2596

Detailed Heavy Mineral Analysis

Our Job No.: 10065

Sample No: MCH000032 Overall Sample Assessment **Positive**

Technician:

Date Observed:

Report Printed:

JED

23-Aug-10

8/09/2010 3:03:57 PM

Disc No.:

Your Project Code: McArthur River NT Fx 61 8 9470 1504 44.8 kg Sample Type (as collected): Stream Sediment **Head Weight** Sample Type (as received): Stream Sediment Wet Weight kg Observed Sample Type: MI Concentrate

Total **Diamond** particles Description of these particles +.10 Assessment Wear Total No of particles **Key Minerals** Number of particles in each size fraction particles probed mm +2.0 +1.2 +.8 +.4 +.3 +.25 +.20 +.10 Chromite/Cr-Spinel 1 LA Α Chromite/Cr-Spinel 1 HA Other Minerals $\frac{\%}{mm}$ Percentage of particles in each size fraction +2.0 +1.2 +.8 +.4 +.3 +.25 +.20+.10 Wear Colour Angularity Transparency Form/Shape Anatase 5 НΑ Tr Tr Barite Tr Tr MA Corundum MA Tr Tr Fe Oxide/Hydroxide 100 100 85 НА Ilmenite Tr Tr HA НА Leucoxene 10 Tr Phosphate Tr Tr Tr НА Pyrite Tr Tr Tr MΑ Rutile Tr Tr НА Tourmaline НА Tr Tr Tr Zircon Tr Tr НА

What Has Been Observed?

TOTAL

Final Conc Weight Size Range -0.5+0.2 mm 0.17 g Weight Observed 0.17 g

100% 100%

Comment about

Magnetic Fractions vs Size Fraction

+.3 +.25 +.20



Our Job No.: 10065 Disc No.:

Sample No: MCH000033 Overall Sample Assessment Unresolved Your Project Code: McArthur River NT

| Fx 61 8 9470 1504 | | | |
|-----------------------------|-----------------|-------------|---------|
| Sample Type (as collected): | Stream Sediment | Head Weight | 40.6 kg |
| Sample Type (as received): | Stream Sediment | Wet Weight | kg |
| Observed Sample Type: | MI Concentrate | | |

| Diamond _{mm} | <u>Nur</u> +2.0 | | particle +.8 | es in ea +.4 | | raction +.25 | | +.10 | Total particl | es Descriptio | on of these pa | rticles | | |
|-----------------------|--------------------|---------|-----------------|-----------------|---------|------------------|--------------|------|------------------|---------------|--------------------|-----------|--------------|------------|
| Key Minerals | +2.0 | | per of po | | | size fra +.25 | | +.10 | Assessi | ment Wear | Total particles | No of par | ticles | |
| Chromite/Cr-Spinel | | | | | 1 | | | | В | Н НА | X | 1 | | |
| Other Minerals | <u>% Pe</u> | ercenta | ige of po | articles | in each | size fra | <u>ction</u> | | | | | | | |
| | +2.0 | +1.2 | +.8 | +.4 | +.3 | +.25 | +.20 | +.10 | Wear | Colour | Angularity | Lustre | Transparency | Form/Shape |
| Almandine | | | | | Tr | | | | MA | | | | | |
| Anatase | | | | Tr | Tr | | 10 | | МА | | | | | |
| Fe Oxide/Hydroxide | | | | 95 | 80 | | 65 | | МА | | | | | |
| Leucoxene | | | | Tr | 10 | | 20 | | НА | | | | | |
| Phosphate | | | | 5 | 10 | | Tr | | НА | | | | | |
| Rutile | | | | Tr | Tr | | Tr | | НА | | | | | |
| Tourmaline | | | | Tr | Tr | | Tr | | НА | | | | | |
| Zircon | | | | | | | 5 | | НА | | | | | |

| What | Has I | 3een (| Obser | ved? |
|------|-------|--------|-------|------|
| | | | | |

TOTAL

Final Conc Weight 0.3500000 g Size Range -0.5+0.2 mm

% 100% 100%

% 100%

Weight Observed 0.3500000 g

Magnetic Fractions vs Size Fraction +.10 mm +2.0 +1.2 +.8 +.20 NotMag All All

Technician: **Date Observed:** 23-Aug-10

BJG

Report Printed: 8/09/2010 3:04:23 PM



Our Job No.: 10065

Sample No: MCH000034 Overall Sample Assessment **Negative**

McArthur River NT

Your Project Code:

Disc No.:

Sample Type (as collected): Stream Sediment Head Weight 37.52 kg Sample Type (as received): Stream Sediment Wet Weight kg Observed Sample Type: MI Concentrate

<u>Number of particles in each size fraction</u> mm +2.0 +1.2 +.8 +.4 +.3 +.25 +.20 Total **Diamond** particles Description of these particles +.10

Assessment Wear Total No of particles **Key Minerals** Number of particles in each size fraction particles probed mm +2.0 +1.2 +.8 +.4 +.3 +.25 +.20 +.10

| Other Minerals | m +2 | % P∈ 2.0 | ercento +1.2 | age of p | oarticles +.4 | in each +.3 | size fra +.25 | <u>ction</u> +.20 | +.10 | Wear | Colour | Angularity | Lustre | Transparency | Form/Shape |
|--------------------|------|-------------|-----------------|----------|------------------|----------------|------------------|----------------------|------|------|--------|------------|--------|--------------|------------|
| Anatase | | | | | | Tr | | Tr | | МА | | | | | |
| Biotite | | | | | | Tr | | Tr | | | | | | | |
| Fe Oxide/Hydroxide | | | | | 100 | 100 | | 100 | | НА | | | | | |
| Leucoxene | | | | | | Tr | | Tr | | НА | | | | | |
| Phosphate | | | | | | Tr | | Tr | | НА | | | | | |
| Pyrite | | | | | | | | Tr | | MA | | | | | |
| Rutile | | | | | | | | Tr | | НА | | | | | |
| Tourmaline | | | | | | Tr | | Tr | | НА | | | | | |
| Zircon | | | | | | Tr | | Tr | | НА | | | | | |
| TOTAL | | % | % | , % | 100% | % 100% | % | 100% | % | | | | | | |

What Has Been Observed?

Final Conc Weight 0.3800000 g Size Range -0.5+0.2 mm Weight Observed 0.3800000 g

Report Printed: 8/09/2010 3:04:48 PM

Technician:

Date Observed:

JED

23-Aug-10

Magnetic Fractions vs Size Fraction

mm +2.0 +.20 NotMag ΑII All All

Our Job No.: 10065 Disc No.: -

Sample No: MCH000035 **Positive**

Overall Sample Assessment

| Ph 61 8 9361 2596 Fx 61 8 9470 1504 | | | | | | | | | | | | Your | Project C | ode: | | McArth | ıur River N |
|--|---------|--------------------|--------------------|----------|------------------|----------------|------------------|----------------------|------|-----------------|---------|-----------|--------------------|----------------------|--------------|---------|-------------|
| Sample Type (| (as c | ollec | ted): | | S. | ream S | Sedime | ent | | | | | | Head | Weight | | 40.46 kg |
| Sample Type | (as re | eceiv | ed): | | S | ream S | Sedime | ent | | | | | | Wet | Weight | | kg |
| Observed | Sam | ple T | уре: | | I | VI Con | centra | te | | | | | | | | | |
| Diamond | mm | <u>Nui</u> +2.0 | mber c +1.2 | | les in ea | ch size | fraction +.25 | | +.10 | Total partic | | scriptior | n of these pa | rticles | | | |
| Key Minerals | S mm | +2.0 | <u>Num</u> +1.2 | | oarticles +.4 | in each +.3 | size fra +.25 | <u>ction</u> +.20 | +.10 | Assess | sment 1 | Wear | Total particles | No of part probed | icles | | |
| Chromite/Cr-Spir | nel | | | | | | | 1 | | | A | НА | | 1 | | | |
| Other Miner | als. | % Pe | ercent | age of I | particles | in each | size fro | ction | | | | | | | | | |
| | mm | +2.0 | +1.2 | +.8 | | | +.25 | | +.10 | Wear | Cold | our | Angularity | Lustre | Transparency | Form/SI | nape |
| Anatase | | | | | Tr | Tr | | Tr | | MA | | | | | | | |
| Biotite | Ì | | | | | Tr | | Tr | | | | | | | | | |
| Corundum | Ť | | | | | | | Tr | | МА | | | | | | | |
| Fe Oxide/Hydroxide | Ť | | | | 100 | 95 | | 90 | | НА | | | | | | | |
| Kyanite | Ť | | | | | | | Tr | | НА | | | | | | | |
| Leucoxene | Ť | | | | Tr | 5 | | 10 | | НА | | | | | | | |
| Phosphate | Ť | | | | Tr | Tr | | Tr | | НА | | | | | | | |
| Rutile | Ť | | | | | Tr | | Tr | | НА | | | | | | | |
| Tourmaline | Ť | | | | | Tr | | Tr | | НА | | | | | | | |
| Zircon | Ť | | | | | Tr | | Tr | | НА | | | | | | | |
| TOTAL | Ė | % | 9 | 5 % | 5 100% | 3 100% | % | 100% | % | | | | | | | | |
| What Has Be | en | Obs | erve | d? | | | | | | | | | | | Technic | ian. | JEC |
| Final Conc Wei | | | 0.2 | | Size Raı | nge | -0 | 0.5+0.2 | mm | | | | | Г | Date Obser | | 23-Aug-1 |
| Weight Observe | ed | | 0.2 | | | | | | | | | | Re | port Prin | | | 3:05:16 PN |
| Magnetic Fract | ions | | e Frac +1.2 | | + 1 | +.3 | +.25 | +.20 | +.10 | Con | ımeı | nt ab | | | - <u> </u> | ., | |
| NotMo | | 2.0 | F1.2 | 7.0 | +.4 All | All | 7.20 | All | 7.10 | this | amp | ole: | | | | | |
| | | | | | | | | | | - | | | | | | | |

DIATECH Ph 61 8 9361 2596 Fx 61 8 9470 1504

Detailed Heavy Mineral Analysis

Our Job No.: 10065

| Sc | ımple No: | MCH000036 |
|----------------|--------------|-------------------|
| Overall Sampl | e Assessment | Positive |
| Your Project C | ode: | McArthur River NT |

ATECH Disc No.: -

Sample Type (as collected): Stream Sediment Head Weight 40.62 kg
Sample Type (as received): Stream Sediment Wet Weight kg
Observed Sample Type: MI Concentrate

| Observed Sc | ımpi | e Iy | ype: | | - | MI Con | centra | te | | | | | | | |
|--------------------|------|--------------------|-----------------|-----------------|-----------------|----------------|------------------|----------------------|------|-------------------|---------------|--------------------|-----------------------|--------------|------------|
| Diamond | m +2 | | nber of +1.2 | particl +.8 | es in ec +.4 | +.3 | fraction +.25 | +.20 | +.10 | Total particle | es Descriptio | n of these par | ticles | | |
| Key Minerals | m +2 | 2.0 | Numb | oer of p +.8 | articles +.4 | in each +.3 | size fra +.25 | <u>ction</u> +.20 | +.10 | Assessr | nent Wear | Total particles | No of parti probed | cles | |
| Chromite/Cr-Spinel | | | | | | 1 | | | | A | НА | | 1 | | |
| Other Minerals | m +2 | <u>% P∈</u> 2.0 | ercenta +1.2 | ge of p | articles +.4 | in each +.3 | size fra +.25 | <u>ction</u> +.20 | +.10 | Wear | Colour | Angularity | Lustre | Transparency | Form/Shape |
| Anatase | | | | | | Tr | | 10 | | MA | | | | | |
| Corundum | | | | | | Tr | | | | МА | | | | | |
| Fe Oxide/Hydroxide | | | | | 100 | 90 | | 60 | | MA | | | | | |
| Ilmenite | | | | | | Tr | | | | НА | | | | | |
| Leucoxene | | | | | Tr | 10 | | 30 | | НА | | | | | |
| Phosphate | | | | | Tr | Tr | | Tr | | НА | | | | | |
| Rutile | | | | | | | | Tr | | НА | | | | | |
| Tourmaline | | | | | | Tr | | Tr | | НА | | | | | |
| Zircon | | | | | | Tr | | Tr | | НА | | | | | |

What Has Been Observed?

TOTAL

Final Conc Weight 0.1500000 g Size Range -0.5+0.2 mm Weight Observed 0.1500000 g

% %

Report Printed: 8/09/2010 3:05:41 PM

Technician:

Date Observed:

BJG

23-Aug-10

Magnetic Fractions vs Size Fraction

 mm
 +2.0
 +1.2
 +.8
 +.4
 +.3
 +.25
 +.20
 +.1

 NotMag
 All
 All
 All
 All
 All

% 100% 100%

% 100%



Our Job No.: 10065

Sample No: MCH000037 Overall Sample Assessment **Negative**

McArthur River NT

Your Project Code:

Disc No.:

| FX 61 8 94/U 15U4 | | | |
|-----------------------------|-----------------|-------------|----------|
| Sample Type (as collected): | Stream Sediment | Head Weight | 40.98 kg |
| Sample Type (as received): | Stream Sediment | Wet Weight | kg |
| Observed Sample Type: | MI Concentrate | | |

| Diamond | | Nun | nber of | <u>particle</u> | <u>s in ea</u> | <u>ch size </u> | <u>fractior</u> | 1 | | Total | | | |
|-------------|----|------|---------|-----------------|----------------|-----------------|-----------------|--------|------|----------------------|-----------------|------------------------|--|
| Didiliona | mm | +2.0 | +1.2 | +.8 | +.4 | +.3 | +.25 | +.20 | +.10 | particles Descriptio | n of these par | ticles | |
| | | | | | | | | | | | | | |
| Key Mineral | | | Numb | er of po | ırticles | in each | size fro | action | | Assessment Wear | Total particles | No of particles probed | |
| | mm | +2.0 | +1.2 | +.8 | +.4 | +.3 | +.25 | +.20 | +.10 | | | | |

| Other Minerals | % P | % Percentage of particles in each size fraction +2.0 +1.2 +.8 +.4 +.3 +.25 +.20 +.10 | | | | | | | | | | | | |
|--------------------|------|---|-----|------|------|------|------|------|------|--------|------------|--------|--------------|------------|
| Jillei Millerais | +2.0 | +1.2 | +.8 | +.4 | +.3 | +.25 | +.20 | +.10 | Wear | Colour | Angularity | Lustre | Transparency | Form/Shape |
| Anatase | | | | | Tr | | Tr | | НА | | | | | |
| Corundum | | | | | Tr | | Tr | Ī | MA | | | | | |
| Fe Oxide/Hydroxide | | | | 100 | 100 | | 95 | T | НА | | | | | |
| Imenite | | | | | Tr | | Tr | T | НА | | | | | |
| (yanite | | | | | | | Tr | T | НА | | | | | |
| Leucoxene | | | | Tr | Tr | | 5 | T | НА | | | | | |
| Micrometeorites | | | | | | | Tr | i | | | | | | 3 grains |
| Phosphate | | | | | Tr | | Tr | T | НА | | | | | |
| Rutile | | | | | Tr | | Tr | T | НА | | | | | |
| lircon | | | | | Tr | | Tr | T | НА | | | | | |
| TOTAL | % | % | % | 100% | 100% | % | 100% | % | | | | | | |

What Has Been Observed? Final Conc Weight -0.5+0.2 mm 0.18 g Size Range Weight Observed 0.18 g

Date Observed: 23-Aug-10 **Report Printed:** 8/09/2010 3:06:06 PM

Technician:

JED

Magnetic Fractions vs Size Fraction

+.20 ΑII



Our Job No.: 10065 Disc No.: -

| | Samp | le No: | MCH00003 | 8 |
|------------|-----------|---------|----------------|---|
| Overall Sc | imple Ass | essment | Unresolve | d |
| our Proje | ct Code: | | McArthur River | N |

Ph 61 8 9361 2596

Sample Type (as collected): Stream Sediment Head Weight 42.2 kg
Sample Type (as received): Stream Sediment Wet Weight kg
Observed Sample Type: MI Concentrate

| Diamond _{mm} | <u>Nu</u> +2.0 | mber o | f <u>particl</u> +.8 | es in ea +.4 | ch size 1 +.3 | traction +.25 | | +.10 | Total particl | es Description | on of these pa | rticles | | |
|-----------------------|--------------------|-----------------|-------------------------|-----------------|------------------|------------------|----------------------|------|------------------|----------------|--------------------|--------------|--------------|------------|
| Key Minerals | +2.0 | | <u>ber of p</u> +.8 | articles i | | | <u>ction</u> +.20 | +.10 | Assess | ment Wear | Total particles | No of partic | cles | |
| Chromite/Cr-Spinel | | | | | | | 1 | | В | HA | Α | 1 | | |
| Other Minerals | <u>% P</u> +2.0 | ercento +1.2 | nge of p +.8 | articles +.4 | in each +.3 | size fra +.25 | <u>ction</u> +.20 | +.10 | Wear | Colour | Angularity | Lustre | Transparency | Form/Shape |
| Anatase | | | | Tr | Tr | | 25 | | MA | | | | | |
| Fe Oxide/Hydroxide | | | | 100 | 90 | | 45 | | МА | | | | | |
| Leucoxene | | | | Tr | 10 | | 25 | | НА | | | | | |
| Phosphate | | | | Tr | Tr | | 5 | | НА | | | | | |
| Rutile | | | | | Tr | | Tr | | НА | | | | | |
| Tourmaline | | | | | Tr | | Tr | | НА | | | | | |
| Zircon | | | | | | | Tr | | НА | | | | | |

What Has Been Observed?

%

TOTAL

Final Conc Weight 0.6500000 g Size Range -0.5+0.2 mm

Weight Observed 0.6500000 g

% 100% 100%

% 100%

 Technician:
 BJG

 Date Observed:
 23-Aug-10

 Report Printed:
 8/09/2010 3:06:32 PM

Magnetic Fractions vs Size Fraction



Our Job No.: 10065

Sample No: MCH000039 Overall Sample Assessment **Negative**

Disc No.:

Your Project Code:

McArthur River NT

| Sample Type (as collect | ed): | | Stream S | edime | ent | | | | H | lead Weigh | nt | 42.54 kg |
|-------------------------|-------------------|---|-------------|-----------------|------|------|-----------------|----------------|-----------------|------------|----|----------|
| Sample Type (as receive | ed): | | Stream S | edime | ent | | | | | Wet Weigh | t | kg |
| Observed Sample Ty | rpe: | | MI Con | centra | te | | | | | | | |
| Diamond Nun mm +2.0 | nber of 1 +1.2 | - | each size (| raction +.25 | +.20 | +.10 | Total particles | Description of | these particles | | | |
| | | | | | | | | | | | | |

| Key Minerals | Number of particles in each size fraction Assessm | nent Wear | Total particles | No of particles probed |
|--------------|---|-----------|-----------------|------------------------|
| mm +2.0 | +1.2 +.8 +.4 +.3 +.25 +.20 +.10 | | particles | probed |

| +2.0 | +1.2 | +.8 | +.4 | +.3 | +.25 | +.20 | +.10 | Wear | Colour | Angularity | Lustre | Transparency | Form/Shape |
|------|------|-----------|---------------|-----------|------------------------------------|-------------------------|--|--|---|--|--|---|---|
| | | | | Tr | | Tr | | НА | | | | | |
| | | | | Tr | | Tr | T | НА | | | | | |
| | | | 100 | 100 | | 95 | T | НА | | | | | |
| | | | Tr | Tr | | 5 | T | НА | | | | | |
| | | | Tr | Tr | | Tr | T | НА | | | | | |
| | | | | Tr | | Tr | T | НА | | | | | |
| | | | | Tr | | Tr | 寸 | НА | | | | | |
| | | | | Tr | | Tr | T | НА | | | | | |
| | +2.0 | +2.0 +1.2 | +2.0 +1.2 +.8 | 100 Tr | Tr Tr 100 100 Tr Tr Tr Tr Tr Tr Tr | Tr Tr Tr Tr Tr Tr Tr Tr | Tr Tr 100 100 95 Tr Tr 5 Tr Tr Tr Tr Tr Tr Tr Tr Tr Tr Tr Tr | Tr T | Tr Tr HA Tr Tr HA 100 100 95 HA Tr Tr 5 HA Tr Tr Tr HA Tr Tr Tr HA Tr Tr HA | Tr Tr HA Tr Tr HA 100 100 95 HA Tr Tr 5 HA Tr Tr Tr HA Tr Tr HA Tr Tr HA | Tr Tr HA 100 100 95 HA Tr Tr 5 HA Tr Tr Tr HA Tr Tr Tr HA HA HA HA | Tr Tr HA 100 100 95 HA Tr Tr 5 HA Tr Tr Tr HA Tr Tr Tr HA HA HA HA HA | Tr Tr HA 100 100 95 HA Tr Tr 5 HA Tr Tr Tr HA Tr Tr Tr HA Tr Tr HA HA |

| What Has Been | Observed? |
|---------------|-----------|
|---------------|-----------|

Final Conc Weight 1.1300000 g Size Range -0.5+0.2 mm

Weight Observed 1.1300000 g

Magnetic Fractions vs Size Fraction +.10 mm +2.0 +1.2 +.8 +.20 NotMag All Αll

Technician: Date Observed: 23-Aug-10

JED

Report Printed: 8/09/2010 3:06:57 PM



Our Job No.: 10065

| | Sample No | | MCH000040 |
|-------------|----------------|---|-------------------|
| Overall Sa | mple Assessmer | t | Negative |
| Your Projec | ct Code: | | McArthur River NT |

| n | т | Δ | т | E | C | Н |
|----|-----|------|------|-------|------|------|
| ~ | _ | 73 | _ | ъ | - | 11 |
| HE | ATY | 3613 | KER. | 11. 1 | SERV | ICES |
| | | | | | | |

| Sample Type (as collected): | Stream Sediment | Head Weight | 40.1 kg |
|-----------------------------|-----------------|-------------|---------|
| Sample Type (as received): | Stream Sediment | Wet Weight | kg |
| Observed Sample Type: | MI Concentrate | | |

| Diamond | | Nur | nber of | particle | es in ea | ch size | fraction | <u>1</u> | | Total | | | |
|--------------------|----|------|---------|----------|------------|---------|----------|----------|------|-----------------------|-----------------|---------------------------|--|
| Diamona | mm | +2.0 | +1.2 | +.8 | +.4 | +.3 | +.25 | +.20 | +.10 | particles Description | n of these par | ticles | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | Accessment Mess | Total | No of nontiales | |
| Key Mineral | S | | Numb | er of po | articles i | in each | size fro | ction | | Assessment Wear | Total particles | No of particles probed | |
| - | mm | +2.0 | +1.2 | +.8 | +.4 | +.3 | +.25 | +.20 | +.10 | | particles | probed | |

| +2.0 | +1.2 | +.8 | +.4 | +.3 | +.25 | +.20 | +.10 | Wear | Colour | Angularity | Lustre | Transparency | Form/Shape |
|------|------|-----------|---------------|-----------|---------------------------|-------------|---|--|--|--|---|---|---|
| | | | | Tr | | 15 | | MA | | | | | |
| | | | | Tr | | | T | MA | | | | | |
| | | | 100 | 100 | | 75 | T | MA | | | | | |
| | | | Tr | Tr | | 10 | T | НА | | | | | |
| | | | Tr | Tr | | Tr | T | НА | | | | | |
| | | | | | | Tr | T | НА | | | | | |
| | | | | | | Tr | T | НА | | | | | |
| | | | | Tr | | Tr | T | НА | | | | | |
| | +2.0 | +2.0 +1.2 | +2.0 +1.2 +.8 | 100 Tr | Tr Tr 100 100 Tr Tr Tr Tr | Tr Tr Tr Tr | Tr 15 Tr 100 100 75 Tr Tr 10 Tr Tr Tr Tr Tr Tr Tr | Tr 15 Tr 100 100 75 Tr Tr 10 Tr Tr Tr Tr Tr | Tr 15 MA Tr MA 100 100 75 MA Tr Tr 10 HA Tr Tr Tr HA Tr Tr HA HA | Tr 15 MA Tr MA 100 100 75 MA Tr Tr 10 HA Tr Tr Tr HA Tr Tr HA Tr HA HA | Tr 15 MA Tr MA 100 100 75 MA Tr Tr 10 HA Tr Tr Tr HA Tr HA HA | Tr 15 MA 100 100 75 MA Tr Tr 10 HA Tr Tr Tr HA Tr HA HA | Tr 15 MA Tr MA MA 100 100 75 MA Tr Tr 10 HA Tr Tr HA Tr HA HA |

+.20

Αll

| What Has Been Observed? | | | | | | | | | | | | |
|-------------------------|-------|------------|-------------|--|--|--|--|--|--|--|--|--|
| Final Conc Weight | 0.2 g | Size Range | -0.5+0.2 mm | | | | | | | | | |
| Weight Observed | 0.2 g | | | | | | | | | | | |

All

Αll

Magnetic Fractions vs Size Fraction

NotMag

mm +2.0

Report Printed: 8/09/2010 3:07:25 PM

Technician:

Date Observed:

BJG

23-Aug-10



Our Job No.: 10065 Disc No.: -

Sample No: MCH000041 Negative Overall Sample Assessment

| Ph 61 8 9361 2596 Fx 61 8 9470 1504 | | | | | | | | | | Your Project Code: Mo | | | | | | River NT |
|--|-------|---------------------|--------------------|------------------|------------------------|----------------|------------------|-----------------------|------|-----------------------|---------------|--------------------|---|--------------|--------------|----------|
| Sample Type | (as c | ollec | ted): | | St | ream S | Sedime | ent | | | | | Head | Weight | 39 | .24 kg |
| Sample Type | | | | | St | ream S | Sedime | ent | | | | | | Weight | | kg |
| Observed | l Sam | nple T | уре: | | ٨ | ИI Con | centro | ıte | | | | | | | | |
| Diamond | mm | <u>Nui</u> +2.0 | mber o +1.2 | f particl +.8 | <u>es in ea</u> +.4 | ch size +.3 | fraction +.25 | <u>1</u> +.20 | +.10 | Total particl | es Descriptio | on of these pa | rticles | | | |
| Key Mineral | | +2.0 | <u>Num</u> +1.2 | ber of p | articles i | in each +.3 | size fra +.25 | <u>ıction</u> +.20 | +.10 | Assess | ment Wear | Total particles | No of part probed | icles | | |
| Other Miner | als | <u>% Po</u> +2.0 | ercento +1.2 | age of p +.8 | articles +.4 | in each +.3 | size fro | <u>action</u> +.20 | +.10 | Wear | Colour | Angularity | Lustre | Transparency | Form/Shap | e |
| Anatase | | | | | | Tr | | Tr | | НА | | | | | | |
| Fe Oxide/Hydroxide | | | | | 100 | 100 | | 95 | | НА | | | | | | |
| llmenite | Ť | | | | | | | Tr | | НА | | | | | | |
| Kyanite | Ì | | | | | Tr | | Tr | | НА | | | | | | |
| Leucoxene | | | | | Tr | Tr | | 2 | | НА | | | | | | |
| Phosphate | Τ | | | | Tr | Tr | | Tr | | НА | | | | | | |
| Rutile | T | | | | | Tr | | Tr | | НА | | | | | | |
| Tourmaline | Τ | | | | | Tr | | Tr | | НА | | | | | | |
| Zircon | Ī | | | | | Tr | | 3 | | НА | | | | | | |
| TOTAL | | % | % | % | 100% | 5 100% | % | 100% | % | | | | | | | |
| What Has Be | en | Obs | erve | d? | | | | | | | | | | Technic | ian: | JED |
| Final Conc Wei | ight | | 1.22 | g S | Size Rar | nge | -(| 0.5+0.2 | mm | | | | | Date Obser | | 3-Aug-10 |
| Weight Observ | ed | | 1.22 | g | | | | | | | | Re | port Prin | ted: 8 | /09/2010 3:0 | |
| Magnetic Fract | tions | | e Frac +1.2 | tion +.8 | +.4 | +.3 | +.25 | +.20 | +.10 | Com | ment at | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | , , | |
| NotM | | | | | All | All | | All | | this s | ample: | | | | | |
| | | | | | | | | | | | | | | | | |



Observed Sample Type:

Detailed Heavy Mineral Analysis

Our Job No.: 10065 Disc No.:

Sample No: MCH000042 Overall Sample Assessment **Negative** Your Project Code: McArthur River NT

Technician:

Date Observed:

Report Printed:

BJG

23-Aug-10

8/09/2010 3:08:19 PM

36.76 kg kg

| | | real fregeer edge. | 771071 |
|-----------------------------|-------------------|--------------------|--------|
| Fx 61 8 9470 1504 | | | |
| | | | |
| Sample Type (as collected): | Stream Sediment | Head Weight | |
| campio type (as concerca). | on carriocalition | noda molgin | |
| Cample Type (as received): | Ctra ana Cadimant | Mat Maight | |
| Sample Type (as received): | Stream Sediment | Wet Weight | |
| | | | |

| Diamond | | Num | ber of p | <u>articles</u> | in each | size fr | | | Total | |
|---------|----|------|----------|-----------------|---------|---------|------|------|-------|--|
| Diamona | mm | +2.0 | +1.2 | +.8 | +.4 | +.3 | +.25 | +.20 | +.10 | particles Description of these particles |

MI Concentrate

| Key Minerals | Numbe | er of pa | rticles i | n each | size fra | ction | Assessment Wear | Total particles | No of particles probed |
|--------------|-------|----------|-----------|--------|----------|-------|-----------------|-----------------|------------------------|
| mm | | | | | | | | particles | probed |

| Other Minerals | m +2.0 | +1.2 | +.8 | +.4 | +.3 | +.25 | +.20 | +.10 | Wear | Colour | Angularity | Lustre | Transparency | Form/Shape |
|-------------------|--------|------|-----|-----|-----|------|------|------|------|--------|------------|--------|--------------|------------|
| Anatase | | | | | Tr | | 20 | | MA | | | | | |
| Epidote | | | | | Tr | | | i | MA | | | | | |
| e Oxide/Hydroxide | | | | 100 | 90 | | 60 | T | MA | | | | | |
| eucoxene | | | | Tr | 10 | | 15 | i | НА | | | | | |
| Phosphate | | | | Tr | Tr | | Tr | T | НА | | | | | |
| Rutile | | | | | Tr | | Tr | T | НА | | | | | |
| ourmaline | | | | | Tr | | Tr | ij | НА | | | | | |
| lircon | | | | | Tr | | 5 | T | НА | | | | | |

| wnat | Has | Been | Obser | ved? |
|------|-----|------|-------|------|
| | | | | |

Final Conc Weight 0.3 g Size Range -0.5+0.2 mm Weight Observed 0.3 g

> Comment about this sample:

Magnetic Fractions vs Size Fraction

+.10 mm +2.0 +.20 NotMag Αll All



Our Job No.: 10065 Disc No.:

Sample No: MCH000043 Overall Sample Assessment **Negative**

Your Project Code:

McArthur River NT

| Diamond | Number of | particles in each size fraction | Total | | |
|----------------|----------------|---------------------------------|-------|-------------|----------|
| Observed S | ample Type: | MI Concentrate | | | |
| Sample Type (a | as received): | Stream Sediment | | Wet Weight | kg |
| Sample Type (a | as collected): | Stream Sediment | | Head Weight | 34.62 kg |
| 1 | | | | | |

| Diamona | | | 11001 01 | our noic | J III CU | CII SIEC | Hacher | <u>.</u> | | | | | | |
|----------------------|----|--------------------------------------|----------|----------|----------|----------|--------|----------|-----------------|----------------------|------------------------|--------|--|--|
| Diamona | mm | +2.0 | +1.2 | +.8 | +.4 | +.3 | +.25 | +.20 | +.10 | particles Descriptio | n of these par | ticles | | |
| | | | | | | | | | | | | | | |
| Key Mineral : | | Number of particles in each size fro | | | | | | | Assessment Wear | Total particles | No of particles probed | | | |
| | mm | +2.0 | +1.2 | +.8 | +.4 | +.3 | +.25 | +.20 | +.10 | | particles | probed | | |

| Other Minerals | <u>% Po</u> | ercento | age of p | articles | in each | size fra | ction | | | | | | | |
|--------------------|-------------|---------|----------|----------|---------|----------|-------|------|------|--------|------------|--------|--------------|------------|
| onici winicians | +2.0 | +1.2 | +.8 | +.4 | +.3 | +.25 | +.20 | +.10 | Wear | Colour | Angularity | Lustre | Transparency | Form/Shape |
| Anatase | | | | | Tr | | Tr | | НА | | | | | |
| | | | | | | | | | | | | | | |
| Corundum | | | | | | | Tr | | MA | | | | | |
| Fe Oxide/Hydroxide | | | | 100 | 100 | | 100 | | НА | | | | | |
| | | | | | | | | | | | | | | |
| Leucoxene | | | | Tr | Tr | | Tr | | HA | | | | | |
| Micrometeorites | | | | | | | Tr | i | | | | | | 2 grains |
| Phosphate | | | | | Tr | | Tr | T | НА | | | | | |
| Rutile | | | | | Tr | | Tr | | НА | | | | | |
| Tourmaline | | | | | Tr | | Tr | _ | НА | | | | | |
| Zircon | | | | | Tr | | Tr | - | НА | | | | | |
| TOTAL | % | % | 5 % | 100% | 5 100% | 7- | 100% | % | | | | | | |

What Has Been Observed?

Final Conc Weight 1.3800000 g Size Range -0.5+0.2 mm Weight Observed 1.3800000 g

Report Printed:

8/09/2010 3:08:45 PM

Technician:

Date Observed:

JED

23-Aug-10

Magnetic Fractions vs Size Fraction

mm +2.0 +.20 NotMag



Our Job No.: 10065 Disc No.: -

| Samp | le No: | MCH000044 |
|--------------------|---------|-------------------|
| Overall Sample Ass | essment | Negative |
| Your Project Code: | | McArthur River NT |

| Sample Type (as collected): | Stream Sediment | Head Weight | 33.62 kg |
|-----------------------------|-----------------|-------------|----------|
| Sample Type (as received): | Stream Sediment | Wet Weight | kg |
| Observed Sample Type: | MI Concentrate | | |

| Diamond | | Nur | nber of | <u>oarticle</u> | s in ea | ch size | fraction | <u>1</u> | | Total | | | | | | | |
|------------|---|------|---------|-----------------|---------|---------|----------|----------|------|---|-----------------|------------------------|--|--|--|--|--|
| Diamona | mm | +2.0 | +1.2 | +.8 | +.4 | +.3 | +.25 | +.20 | +.10 | +.10 particles Description of these particles | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | A 14/ | T-4-1 | No of wordship | | | | | |
| Key Minera | Key Minerals Number of particles in each size fraction | | | | | | | | | Assessment Wear | Total particles | No of particles probed | | | | | |
| • | mm | +2.0 | +1.2 | +.8 | +.4 | +.3 | +.25 | +.20 | +.10 | | particles | probed | | | | | |
| | | | | | | | | | | | | | | | | | |

| Other Mineral | m +2.0 | +1.2 | +.8 | +.4 | +.3 | +.25 | +.20 | +.10 | Wear | Colour | Angularity | Lustre | Transparency | Form/Shape |
|--------------------|--------|------|-----|-----|-----|------|------|------|------|--------|------------|--------|--------------|------------|
| Almandine | | | | | | | Tr | | MA | | | | | |
| Anatase | | | | | Tr | | 3 | | НА | | | | | |
| Corundum | | | | | | | Tr | | MA | | | | | |
| Fe Oxide/Hydroxide | | | | 100 | 100 | | 95 | | НА | | | | | |
| Imenite | | | | | Tr | | | | НА | | | | | |
| Kyanite | | | | | | | Tr | | НА | | | | | |
| eucoxene | | | | Tr | Tr | | Tr | | НА | | | | | |
| Phosphate | | | | | Tr | | Tr | | НА | | | | | |
| Rutile | | | | | | | Tr | | НА | | | | | |
| Tourmaline | | | | Tr | Tr | | Tr | | НА | | | | | |
| Zircon | | | | | | | 2 | | НА | | | | | |

| What Has Been | Observe | d? | | | | | Teo | chnician: | JED | | |
|---------------------------|-----------|-----|------------|-----|---------------|------|------|--------------|-----------------|-----------|--------------|
| Final Conc Weight | 0.1 | g | Size Range | е | -0.5+0.2 mm | | | | Date Obse | | |
| Weight Observed | 0.1 | g | | | | | | | Report Printed: | 8/09/2010 | 0 3:09:11 PM |
| Magnetic Fractions | | | | | Comment about | • | | | | | |
| mm - | +2.0 +1.2 | +.8 | +.4 | +.3 | +.25 | +.20 | +.10 | | | | |
| NotMag | | | All | All | | All | | this sample: | | | |