

DIATECH  
Ph 61 8 9361 2596  
Fx 61 8 9470 1504

File: 99-017.doc

# HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354814**

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

## NEGATIVE

STREAMSED  
24.72 kgs  
402.75 grams  
-1.2+0.25 mm  
-

<b>KEY MINERALS</b>	% +0.8	% +0.4	% +0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

<b>OTHER MINERALS</b>	% +0.8	% +0.4	% +0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE					
ANATASE			Tr		Grey-blue, opaques with greasy lustre.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Rare. Blue, vitreous, tabular.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Brown, tan, red-brown, dull well rounded to earthy angular fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			Tr		Silvery-black, blocky, tabular to rounded, some grains heavily grooved.
KYANITE					
LEUCOXENE			Tr		Beige, cream, polished opaques.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Orange-brown, well rounded opaque grains with resinous lustre.
PHOSPHATES					
PREHNITE					
PYROXENE			Tr		Khaki, transparent, finely striated.
RUTILE	Tr		Tr		Black, blocky opaque grains with metallic lustre.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	Tr		Black, brown, orange, transparent to opaque, blocky angular grains to smooth well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, vitreous grains with slight frosting.
ROCK FRAGMENTS					

**COMMENTS:** -1.2+0.8 fully observed.

Observed J.D.

by:

Date; June, 1999

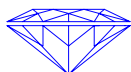
-0.8+0.25 concentrate magnetically separated

-0.8+0.25 fully observed.

**NM**

**M6/7** -0.8+0.25 fully observed.

**M4/5** -0.8+0.25 fully observed.



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## HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354815

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

STREAMSED  
25.14 kgs  
242.5 grams  
-1.2+0.25 mm  
442

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Rare. Pearly blue/cream, dull, moderately worn subhedra.
ANDALUSITE		Tr	Tr		Well worn, palest peach pink, some Fe-staining, small black inclusions, vitreous.
BARITE					
CALCITE					
CASSITERITE			Tr?		1+0.25, orange-red, well worn, translucent.
CORUNDUM		Tr	Tr		Worn to well worn, colourless, pale blue, dark blue, pink, transparent, vitreous, smooth to hummocky surfaces.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Red-brown, purple-brown, dull, earthy, irregular, larger grains are pisolitic.
GARNET					
GOLD					
GORCEIXITE			Tr		Rare. Dark red, waxy, semi-opaque.
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, worn to moderately worn subhedra.
KYANITE			Tr		Rare. Colourless, bladed, some Fe-staining, transparent.
LEUCOXENE			Tr		Rare. Beige-brown, smooth and porcelain-like, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Rare. Well worn, smooth, milky orange to cream, dull, translucent.
PHOSPHATES					
PREHNITE					
PYROXENE		Tr	Tr		Moderately fresh, khaki brown, striate blocky laths, translucent.
RUTILE			Tr		Well worn, dark cherry red to silvery-black, reworked.
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare. Well worn, orange-brown, smooth, translucent.
SULPHIDES					
TOURMALINE		Tr	Tr		Near spherical, black-brown, smooth to frosted, translucent.
ZIRCON			Tr		Well worn, colourless, vitreous.

COMMENTS: -1.2+0.8 concentrate fully observed.

-0.8+0.25 concentrate magnetically separated.

-0.8+0.25 fully observed.

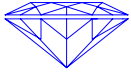
NM

M6/7 -0.8+0.25 fully observed.

M4/5 -0.8+0.25 fully observed.

Observed L.F.  
by:

Date: June, 1999.



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354816**

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

STREAMSED  
22.38 kgs  
137.7 grams  
-1.2+0.25 mm  
442

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Blue-grey to yellowish, moderately worn to worn subhedra, translucent.
APATITE					
BARITE			Tr		Rare. Dull white, irregular, moderately worn.
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Colourless, royal blue, sky blue, worn, smooth to hummocky, vitreous.
EPIDOTE			Tr		1+0.25, pale yellow-green, moderately fresh, milky, opaque.
FE OXIDE/HYDROXIDE	100%	100%	100%		Dull red-brown, purple-brown, earthy, irregular.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Moderately worn to well worn, silvery-black subhedra, some partly leucoxenised.
KYANITE					
LEUCOXENE			Tr		Beige to tan, smooth, porcelain-like, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE			Tr		Moderately fresh laths, finely striate, khaki brown, translucent.
RUTILE			Tr		Well worn, dark cherry red to silvery-black.
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare. Orange-brown, well worn, translucent.
SULPHIDES					
TOURMALINE		Tr	Tr		Well worn, near spherical, black-brown reworked grains.
ZIRCON			Tr		Colourless, smooth, vitreous, near spherical reworked grains.

**COMMENTS:** -1.2+0.8 concentrate fully observed.

-0.8+0.25 concentrate magnetically separated.

**NM** -0.8+0.25 fully observed.

**M6/7** -0.8+0.25 fully observed.

**M4/5** -0.8+0.25 fully observed

Observed LF

by:

Date: June, 1999



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## HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354817

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

STREAMSED  
28.50 kgs  
1002.6 grams  
-0.8+0.25 mm  
442

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		1+0.25, near spherical, dull matt black, granular, friable, weathered, finely cokey. Not kimb.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE		Tr	Tr		Moderately fresh, square tabular blocky subhedra, dark blue-grey, translucent.
ANDALUSITE		Tr	Tr		Rare. Well worn, palest peach pink, vitreous, transparent.
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Rare. Colourless, mid-blue, well worn, smooth vitreous surfaces, transparent.
EPIDOTE					
FE OXIDE/HYDROXIDE		100%	85%		Yellow-brown, red-brown, dull, earthy.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	10%		Dull, silvery-black, moderately worn, most are partially leucogenised
KYANITE					
LEUCOXENE			Tr		Beige to tan, smooth porcelain-like grains, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE		Tr	Tr		Black reniform crusts, rare, also as soft dull nodules.
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE		Tr	5%		Moderately fresh, khaki brown laths, jagged, transparent to translucent.
RUTILE			Tr		Well worn, reworked, dark cherry-red.
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare. Well worn, orange-brown, smooth, translucent.
TOURMALINE		Tr	Tr		Well worn reworked grains, black-brown, smooth to frosted.
ZIRCON			Tr		Colourless, pale yellow, well worn reworked grains.

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

COMMENTS: -1.2+0.8 not observed.

Observed LF  
by:

Date: June, 1999

-0.8+0.25 concentrate magnetically separated.  
NM -0.8+0.25 fully observed.  
M6/7 -0.8+0.4 ¼ obs, -0.4+0.25 ½ obs.  
M4/5 -0.8+0.25 fully observed.



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354818**

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

STREAMSED  
29.10 kgs  
437.9 grams  
-1.2+0.25 mm  
442

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		1+0.25, black rounded dull heavily pitted surface. Not Kimb.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Deep blue, silvery-grey, subhedral opaques with greasy lustre.
ANDALUSITE		Tr	Tr		Palest pink, blocky vitreous.
BARITE			Tr		Cream, white, yellow, subhedral, rounded, opaque, granular.
CALCITE					
CASSITERITE					
CORUNDUM		Tr	Tr		Colourless, palest blue, deep blue, subhedra, tabular, smooth vitreous to frosted, pitted surface.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	90%		Tan, brown, red-brown, grey-black, dull, rounded, blocky.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	10%		Silvery-black, tabular subhedra, rounded, some partly leucogenised
KYANITE			Tr		Rare. Colourless, tabular worn transparent.
LEUCOXENE			Tr		Beige, grey, rounded polished opaques.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE			Tr		Beige, translucent blocky grains with surface striations to jagged laths.
RUTILE		Tr	Tr		Silvery-black, dark cherry red, silvery sheen, rounded, rare subhedra.
SPINEL					
STAUROLITE			Tr		Orange-brown, frosted, transparent with black inclusions.
TOURMALINE	Tr	Tr	Tr		Brown, black, blue, well rounded.
ZIRCON		Tr	Tr		Pale orange, colourless, ovate, subhedra to rounded, vitreous to dull frosted.

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

**COMMENTS:** -1.2+0.8 fully observed.

Observed J.D.  
by:

Date: June, 1999

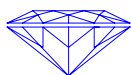
-0.8+0.25 concentrate magnetically separated.

**NM** -0.8+0.25 fully observed.

**M6/7** -0.8+0.25 fully observed.

**M4/5** -0.8+0.25 fully observed.

**M1/2/3** Scalp not observed.



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# HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354819**

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

## NEGATIVE

STREAMSED  
30.74 kgs  
221.9 grams  
-1.2+0.25 mm  
442

<b>KEY MINERALS</b>	% +0.8	% +0.4	% +0.25	<b>BRIEF DESCRIPTION</b>
DIAMOND				
PYROPE				
CHROMITE/CR SPINEL			Tr	1+0.25, black, dull, rounded subhedra, finely cokey. Not kimb.
CHROME DIOPSIDE				
PICROILMENITE				
PHLOGOPITE				
OTHER				

<b>OTHER MINERALS</b>	% +0.8	% +0.4	% +0.25	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE				
ANATASE		Tr	Tr	Blue-grey, grey-green, silvery-grey, broken subhedra, greasy lustre.
ANDALUSITE		Tr	Tr	Palest pink, vitreous, transparent.
BARITE				
CALCITE				
CASSITERITE				
CORUNDUM		Tr	Tr	Palest blue, blue, barrel-shaped to tabular, rough, frosted to very smooth.
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	98%	73%	Brown, tan, red-brown, rounded, dull to earthy angular grains.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE		Tr		Black, micaceous, specular.
ILMENITE		1%	20%	Silvery-black, sharp, angular, blocky and deeply grooved to rounded, dull to high metallic lustre.
KYANITE			Tr	Colourless, transparent, tabular, worn.
LEUCOXENE			Tr	Cream, beige, brown, polished opaques.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE		Tr	Tr	Khaki, translucent, striate blocky laths.
RUTILE		Tr	Tr	Black, red, orange-red, rounded to blocky subhedra.
SPHENE				
SPINEL				
STAUROLITE			Tr	Orange-brown, blocky, frosted, some with black inclusions.
TOURMALINE	Tr	1%	7%	Black, brown, orange, green, well rounded, elongate.
ZIRCON			Tr	Colourless, orange, frosted, well rounded.

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

**COMMENTS:** -1.2+0.8 fully observed.

Observed J.D.

by:

Date: June, 1999.

-0.8+0.25 concentrate magnetically separated.

-0.8+0.25 fully observed.

**NM**

**M6/7** -0.8+0.25 fully observed.

**M4/5** -0.8+0.25 fully observed.

**M1/2/3** Scalp not observed



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# HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354820**

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

## NEGATIVE

STREAMSED  
25.84 kgs  
1759.7 grams  
-1.2+0.25 mm

<b>KEY MINERALS</b>	% +0.8	% +0.4	% +0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

<b>OTHER MINERALS</b>	% +0.8	% +0.4	% +0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE		Tr	Tr		Dark bottle green, opaque fibrous laths.
ANATASE		Tr	Tr		Blue-grey, deep blue, silvery-grey, subhedral, tabular, translucent to opaque, vitreous, glassy to greasy lustre.
ANDALUSITE		Tr	Tr		Palest pink, transparent, rounded grains.
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Blue/colourless, banded, vitreous.
EPIDOTE					
FE OXIDE/HYDROXIDE		10%	5%		Brown, tan, red-brown, dull, earthy.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		15%	30%		Silvery-black, tabular, sharp, angular subhedra, smooth high metallic lustre to more rounded, frosted.
KYANITE					
LEUCOXENE			Tr		Cream, polished opaques.
MAGNETITE					
MICA					
MN OXIDE			Tr		Grey-black, dull well rounded.
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE		20%	30%		Pale khaki, pale green, pale brown, transparent to opaque.
RUTILE			Tr		Dark cherry red, translucent to opaque, semi-metallic lustre.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black, brown, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, orange, well rounded, frosted.
ROCK FRAGMENTS		55%	35%		Fe-oxide/pyroxene/ilmenite/quartz aggregates.

**COMMENTS:** -1.2+0.8 not observed. Observed JD  
by: Date: June, 1999  
-0.8+0.25 concentrate magnetically separated.  
-0.8+0.25 fully observed.  
**NM**  
**M6/7** -0.8+0.4 fully obs, -0.4+0.25 1/16 obs.  
**M4/5** -0.8+0.4 fully obs, -0.4+0.25 1/8 obs.



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## HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354821

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

STREAMSED  
22.94 kgs  
100.42 grams  
-1.2+0.25 mm  
442

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		1+0.25, near spherical granular mass, friable, matt black, highly weathered, finely cokey. Not Kimb.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Blue-grey, yellow-grey, sub/anhedral, greasy lustre, moderately worn.
ANDALUSITE			Tr		Palest pink to colourless, subangular to sub-rounded, transparent, moderately worn.
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Pale pink, grey, colourless, blue, rounded subhedra to more subangular, tiny black inclusions.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	85%		Ochre, red-brown, dull, subangular to more rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE			Tr		Very rare, dull grey-black, earthy.
ILMENITE	Tr	Tr	15%		Silvery-black, sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Cream, tan, beige, well rounded, dull to more polished.
MAGNETITE					
MICA		Tr			1+0.4, flaky biotite.
MN OXIDE			Tr		
PHOSPHATES		Tr	Tr		Very rare. orange-brown to beige-brown, well rounded.
PREHNITE					
PYROXENE	Tr	Tr	Tr		Pale khaki to yellow-brown, some quite elongate to more rounded.
RUTILE			Tr		Orange-red, cherry red, reddish-black, black, anhedral.
SPHENE					
SPINEL					
STAUROLITE	Tr		Tr		Very rare. Pale orange, sub-rounded, dull.
SULPHIDES					
TOURMALINE	Tr	Tr	Tr		Black-brown, rarely blue-green, near spherical.
ZIRCON		Tr	Tr		Colourless, Fe-stained, generally well rounded.

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

COMMENTS: -1.2+0.8 fully observed.

-0.8+0.25 concentrate magnetically separated.

-0.8+0.25 fully observed.

NM

M6/7 -0.8+0.25 fully observed.

Observed by: B.G.

Date: June, 1999.



M4/5 -0.8+0.25 fully observed.  
M1/2/3 Scalp not observed



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## HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354822

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

STREAMSED  
23.66 kgs  
250.4 grams  
-1.2+0.25 mm  
442

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		1+0.25, near spherical, dull matt black, granular, friable, weathered, finely cokey. Not kimb.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE					
ANDALUSITE		Tr	Tr		Pale pink, blocky, well worn, transparent.
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Palest pink, colourless, blue, well worn, transparent.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Yellow-brown, red-brown, dull and earthy, irregular, larger grains are pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, very platy, moderately worn.
KYANITE			Tr		Rare. Colourless to palest blue, tabular, bladed, worn.
LEUCOXENE		Tr	Tr		Beige, tan, porcelain-like, polished, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE		Tr	Tr		Moderately fresh, khaki brown laths, striate, jagged, translucent.
RUTILE			Tr		Dark cherry red, well worn, smooth, rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare. Pale orange-brown, well worn, reworked, transparent.
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, near spherical reworked grains.
ZIRCON		Tr	Tr		Colourless, pale yellow, pale pink, vitreous to frosted, well worn, near spherical.

COMMENTS: -1.2+0.8 concentrate fully observed.

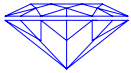
-0.8+0.25 concentrate magnetically separated

-0.8+0.25 fully observed.

Observed LF  
by: Date; June, 1999.

NM

M6/7 -0.8+0.25 fully observed.  
M4/5 -0.8+0.25 fully observed.  
M1/2/3 Scalp not observed



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## HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354823

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

STREAMSED  
16.88 kgs  
51.5 grams  
-1.2+0.25 mm  
-

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE					
APATITE					
BARITE			Tr		Rare, creamy-white, blocky, moderately fresh, opaque.
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Colourless, pale blue, well worn, smooth and vitreous.
EPIDOTE			Tr		1+0.25, dull yellow-green, platy, moderately fresh, opaque.
FE OXIDE/HYDROXIDE	100%	100%	100%		Purple-brown, red-brown, dull, irregular, earthy.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE		Tr			
ILMENITE		Tr	Tr		Silvery-black, worn subhedra, some well rounded, some partly leucoxenised.
KYANITE					
LEUCOXENE			Tr		Beige, cream, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE		Tr	Tr		Moderately fresh, khaki brown laths, finely striate.
RUTILE			Tr		Well worn, cherry red to silvery black, strong semi-metallic lustre.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			Tr		Black-brown, translucent, reworked near spherical grains.
ZIRCON			Tr		Colourless, dull to vitreous, near spherical reworked grains.

COMMENTS: -1.2+0.8 concentrate fully observed.

-0.8+0.25 concentrate magnetically separated.

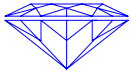
-0.8+0.25 fully observed.

Observed L.F.  
by:

Date: June, 1999

NM

M6/7 -0.8+0.25 fully observed.  
M4/5 -0.8+0.25 fully observed.  
M1/2/3 Scalp not observed



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## HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354824

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

STREAMSED  
25.00 kgs  
294.9 grams  
-1.2+0.25 mm  
-

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Blue-grey, blue, subhedral, opaque with greasy lustre.
ANDALUSITE			Tr		Palest pink, transparent, moderately worn.
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Blue, subhedra, frosted.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Brown, tan, red-brown, rounded, dull, earthy.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black subhedra, tabular, blocky to rounded.
KYANITE			Tr		Colourless, Fe-stained, tabular, well worn.
LEUCOXENE			Tr		Beige, brown, angular polished opaques.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE		Tr	Tr		Pale khaki greenish-brown, translucent to opaque laths, some jagged, surface striated.
RUTILE			Tr		Cherry red, black, rounded opaques with semi-metallic lustre.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Brown, black, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		White, colourless, orange, rounded, frosted.

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

COMMENTS: -1.2+0.8 fully observed.

-0.8+0.25 concentrate magnetically separated.

-0.8+0.25 fully observed.

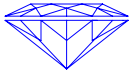
Observed J.D.

by:

Date: June, 1999

NM

M6/7 -0.8+0.25 fully observed.  
M4/5 -0.8+0.25 fully observed.  
M1/2/3 Scalp not observed



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## HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354825

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

STREAMSED  
24.98 kgs  
69.8 grams  
-1.2+0.25 mm  
-

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Silvery-grey, opaque subhedra with greasy lustre.
ANDALUSITE			Tr		Palest pink, transparent, blocky.
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		Rare. Yellow-green, translucent tabular grain.
FE OXIDE/HYDROXIDE	100%	100%	100%		Brown, tan, red-brown, dull earthy, angular to rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			Tr		Silvery-black, blocky subhedra, tabular to rounded, high metallic lustre to dull frosted.
KYANITE					
LEUCOXENE			Tr		Grey, beige, polished opaques.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE			Tr		Khaki, sharp jagged-edged to striated laths.
RUTILE			Tr		Cherry red, black, subhedra with semi-metallic lustre.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Brown, black, well rounded to blocky, angular.
XENOTIME					
ZIRCON			Tr		Colourless, transparent, slight frosting, vitreous.
ROCK FRAGMENTS					

COMMENTS: -1.2+0.8 fully observed.

-0.8+0.25 concentrate magnetically separated.

Observed J.D.

by:

Date: June, 1999

NM -0.8+0.25 fully observed.  
M6/7 -0.8+0.25 fully observed.  
M4/5 -0.8+0.25 fully observed.  
M1/2/3 Scalp not observed



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## HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354826

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

STREAMSED  
19.94 kgs  
143.0 grams  
-1.2+0.25 mm  
442

	%	%	%	
KEY MINERALS	+0.8	+0.4	+0.25	mm BRIEF DESCRIPTION
DIAMOND				
PYROPE				
CHROMITE/CR SPINEL				
CHROME DIOPSIDE				
PICROILMENITE				
PHLOGOPITE				
OTHER				

	%	%	%	
OTHER MINERALS	+0.8	+0.4	+0.25	mm BRIEF DESCRIPTION
AMPHIBOLE			Tr	Rare. Dark bottle green, fresh, translucent.
ANATASE			Tr	Blocky, moderately fresh subhedra, black-blue, blue-yellow, translucent.
ANDALUSITE			Tr	Palest peach pink, blocky but worn, transparent.
BARITE				
CALCITE				
CASSITERITE				
CORUNDUM			Tr	Colourless, pale blue, well worn, vitreous, transparent.
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	100%	95%	Dull yellow-brown, red-brown, purple-brown, earthy, irregular.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE	Tr	Tr	5%	Dull silvery-green, platy, moderately worn to well worn.
KYANITE				
LEUCOXENE	Tr	Tr	Tr	After ilmenite, dull, beige/grey/cream, also some more polished reworked grains.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE			Tr	Moderately fresh pale brown to khaki laths, jagged, translucent.
RUTILE		Tr	Tr	Cherry red to silvery-black, moderately worn subhedra, prismatic, also some well worn reworked grains.
SPINEL				
STAUROLITE				
TOURMALINE			Tr	Black-brown reworked grains, smooth to frosted, most are ovate to near spherical.
ZIRCON			Tr	Colourless, pale yellow, near spherical reworked grains, highly vitreous.

COMMENTS: -1.2+0.8 concentrate fully observed.

Observed L.F.  
by:

NM		-0.8+0.25 concentrate magnetically separated, fully observed.	Date: June, 1999.
		-0.8+0.25 fully observed.	
	M6/7	-0.8+0.25 fully observed.	
	M4/5	-0.8+0.25 fully observed.	
	M1/2/3	Scalp not observed	



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## HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354827

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

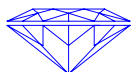
STREAMSED  
14.52 kgs  
49.8 grams  
-1.2+0.25 mm  
442

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		1+0.25, black, dull, slightly cokey, well rounded. Not kimb.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE					
ANDALUSITE			Tr		Palest pink, blocky, vitreous, transparent grains.
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Palest blue, vitreous, tabular subhedra.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	95%		Brown, red-brown, grey-black, dull, rounded to earthy, angular.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	5%		Silvery-black, tabular, blocky, sharp, angular, dull to high metallic lustre.
KYANITE			Tr		Colourless, tabular, worn.
LEUCOXENE			Tr		Beige, blocky, polished opaques.
MAGNETITE					
MICA					
MN OXIDE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Black, cherry red, blocky, semi-metallic lustre to dull.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Brown, black, well rounded, subhedral to well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, slightly frosted, transparent.
ROCK FRAGMENTS					

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

<b>COMMENTS:</b>	-1.2+0.8 fully observed.	Observed by: J.D.
	-0.8+0.25 concentrate magnetically separated.	Date: June, 1999.
	-0.8+0.25 fully observed.	
<b>NM</b>		
<b>M6/7</b>	-0.8+0.25 fully observed.	
<b>M4/5</b>	-0.8+0.25 fully observed.	
<b>M1/2/3</b>	Scalp not observed	



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354828**

### ASSESSMENT

Type of sample

Head Weight

Conc Weight -1.2+0.25mm

Size fractions observed

Disc No

### NEGATIVE

STREAMSED

18.28 kgs

132.4 grams

-1.2+0.25 mm

-

<b>KEY MINERALS</b>	%	%	%	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

<b>OTHER MINERALS</b>	%	%	%	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
	+0.8	+0.4	+0.25		
AMPHIBOLE			Tr		Rare. Black-green, moderately fresh to fresh laths, translucent.
ANATASE					
ANDALUSITE		Tr	Tr		Palest peach pink, well worn, blocky, smooth, transparent.
BARITE			Tr		Rare. Finely granular aggregates, opaque.
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Colourless, palest blue, well worn, vitreous, transparent, smooth to hummocky surfaces.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Yellow-brown, red-brown, purple-brown, dull, earthy.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Moderately worn to well worn, platy, silvery-black.
KYANITE					
LEUCOXENE			Tr		Beige, tan, grey, smooth and porcelain-like, worn.
MAGNETITE					
MICA					
MN OXIDE			Tr		Dull dark grey grains, soft, granular.
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE			Tr		Moderately fresh, pale khaki-brown laths, striate.
RUTILE			Tr		Dark cherry red to silvery-black, well worn, reworked.
SPHENE					
SPINEL					
STAUROLITE			Tr		Very rare. Well worn, pale orange-brown, smooth, transparent.
SULPHIDES					
TOURMALINE			Tr		Well worn reworked grains, black-brown.

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

ZIRCON			Tr	Colourless, slightly Fe-stained, near spherical reworked grains.
<b>COMMENTS:</b> -1.2+0.8 concentrate fully observed.				Observed L.F.
				by: Date: June, 1999.
				-0.8+0.25 concentrate magnetically separated.
				-0.8+0.25 fully observed.
<b>NM</b>	<b>M6/7</b>	-0.8+0.25 fully observed.		
	<b>M4/5</b>	-0.8+0.25 fully observed.		
	<b>M1/2/3</b>	Scalp not observed		



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354829**

### ASSESSMENT

Type of sample

Head Weight

Conc Weight -1.2+0.25mm

Size fractions observed

Disc No

### NEGATIVE

STREAMSED

26.60

kgs

128.5

grams

-1.2+0.25

mm

442

<b>KEY MINERALS</b>	%	%	%	<b>BRIEF DESCRIPTION</b>
	+0.8	+0.4	+0.25	
DIAMOND				
PYROPE				
CHROMITE/CR SPINEL			Tr	6+0.25, matt black, finely granular, rounded subhedra, finely cokey surfaces. Not kimb.
CHROME DIOPSIDE				
PICROILMENITE				
PHLOGOPITE				
OTHER				

<b>OTHER MINERALS</b>	%	%	%	<b>BRIEF DESCRIPTION</b>
	+0.8	+0.4	+0.25	
AMPHIBOLE				
ANATASE			Tr	Rare. Dark grey-blue, moderately fresh square tabular subhedra, euhedra.
ANDALUSITE			Tr	Palest peach pink, blocky, smooth, transparent, well worn.
BARITE				
CALCITE				
CASSITERITE				
CORUNDUM		Tr	Tr	Colourless, sky blue, dark blue, palest yellow, palest pink, palest sea-green, well worn, highly vitreous, transparent, some inclusions.
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	100%	75%	Yellow-brown, red-brown, dull, earthy.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE		Tr	25%	Bright silvery-black, platy, moderately worn, some well worn.
KYANITE			Tr	Colourless, palest sky blue, bladed, worn, transparent, pearly lustre.
LEUCOXENE			Tr	Beige, tan, grey, highly polished porcelain-like grains, well worn, opaque.
MAGNETITE				
MICA				
MN OXIDE		Tr	Tr	Soft, friable, dark grey, nodular.
MONAZITE				
PYROXENE		Tr	Tr	Pale khaki brown, moderately fresh jagged laths.
RUTILE		Tr	Tr	Well worn, dark cherry red to silvery-black, also some more fresh subhedra, blocky to prismatic.
STAUROLITE		Tr	Tr	Well worn, smooth, rounded, pale orange-brown, small black inclusions.
TOURMALINE	Tr	Tr	Tr	Black-brown, smooth to finely frosted, near spherical, reworked.

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction



ZIRCON		Tr	Tr	Colourless, smooth to finely frosted, highly vitreous, reworked.
<b>COMMENTS:</b>	-1.2+0.8 concentrate fully observed.			Observed L.F.
	-0.8+0.25 concentrate magnetically separated.			by: Date: June, 1999.
	-0.8+0.25 fully observed.			
<b>NM</b>				
<b>M6/7</b>	-0.8+0.25 fully observed.			
<b>M4/5</b>	-0.8+0.25 fully observed.			
<b>M1/2/3</b>	Scalp not observed			



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354830**

### ASSESSMENT

Type of sample

Head Weight

Conc Weight -1.2+0.25mm

Size fractions observed

Disc No

### NEGATIVE

STREAMSED

12.68

kgs

103.5

grams

-1.2+0.25

mm

-

<b>KEY MINERALS</b>	%	%	%	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

% % %

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

<b>OTHER MINERALS</b>	%	%	%	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE					
APATITE					
BARITE			Tr		Rare. Creamy-white aggregates, opaque, moderately fresh.
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Rare. Colourless to pale blue, well worn, vitreous, transparent, some have small black inclusions.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	97%		Red-brown, mainly ferruginous siltstone, worn, dull, flat.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	3%		Dull, grey-black, silvery-black, some partly leucoxenised.
KYANITE					
LEUCOXENE		Tr	Tr		Dull, beige, grey, after ilmenite, porcelain-like, opaque.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE		Tr	Tr		Rare. Pale khaki brown, moderately fresh laths.
RUTILE			Tr		Well worn, silvery-black to dark cherry red, reworked.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			Tr		Well worn, near spherical grains, black-brown, reworked.
XENOTIME					

ZIRCON			Tr	Colourless, quite dull, well worn, near spherical, reworked.
<b>COMMENTS:</b>	-1.2+0.8 concentrate fully observed.			Observed L.F.
	-0.8+0.25 concentrate magnetically separated.			by: Date: June, 1999.
	-0.8+0.25 fully observed.			
<b>NM</b>				
<b>M6/7</b>	-0.8+0.25 fully observed.			
<b>M4/5</b>	-0.8+0.25 fully observed.			
<b>M1/2/3</b>	Scalp not observed			



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354831**

### ASSESSMENT

Type of sample

Head Weight

Conc Weight -1.2+0.25mm

Size fractions observed

Disc No

### NEGATIVE

STREAMSED

12.36 kgs

13.8 grams

-1.2+0.25 mm

-

<b>KEY MINERALS</b>	%	%	%	<b>BRIEF DESCRIPTION</b>
	+0.8	+0.4	+0.25	
DIAMOND				
PYROPE				
CHROMITE/CR SPINEL				
CHROME DIOPSIDE				
PICROILMENITE				
PHLOGOPITE				
OTHER				

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

<b>OTHER MINERALS</b>	%	%	%	<b>BRIEF DESCRIPTION</b>
	+0.8	+0.4	+0.25	
AMPHIBOLE			Tr	Very rare. Dark bottle green, moderately fresh, translucent.
ANATASE				
APATITE				
BARITE				
CALCITE				
CASSITERITE				
CORUNDUM				
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	100%	100%	Abundant, red-brown to purple-brown, irregular, dull, earthy.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE		Tr	Tr	Platy, silvery-black, moderately worn to worn, some partly leucoxenised.
KYANITE				
LEUCOXENE			Tr	Rare. Beige, well worn and smooth, dull.
MAGNETITE				
MICA			Tr	Rare. White muscovite, worn.
MN OXIDE				
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE	Tr		Tr	Rare. Khaki brown, moderately fresh, finely striate, translucent.
RUTILE			Tr	Rare. Well worn, dark cherry red, strong semi-metallic lustre, also several more fresh grains, subhedral.
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				

TOURMALINE			Tr	Rare. Black-brown, well rounded, translucent.
XENOTIME				
ZIRCON			Tr	Rare. Colourless, well rounded, transparent, vitreous.
<b>COMMENTS:</b>	-1.2+0.28 concentrate fully observed.			Observed L.F. by: Date: June, 1999.
	-0.8+0.25 concentrate magnetically separated, fully obs.			
	-0.8+0.25 fully observed.			
<b>NM</b>				
<b>M6/7</b>	-0.8+0.25 fully observed.			
<b>M4/5</b>	-0.8+0.25 fully observed.			
<b>M1/2/3</b>	Scalp not observed			



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354832**

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

STREAMSED  
25.48 kgs  
1014.2 grams  
-1.2+0.25 mm  
-

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

% % %

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	40%	15%	Tr		Dull, brick red, earthy, irregular, brick, pisolitic in layer size fraction.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, fresh to moderately fresh, platy to quite rounded, see rock fragments below.
KYANITE					
LEUCOXENE			Tr		Beige, cream, after ilmenite, some are well worn.
MAGNETITE					
MICA					
MN OXIDE	Tr	Tr	Tr		Dull soft grey-black nodules.
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE			Tr		See rock fragments below.
RUTILE			Tr		Rare. Moderately fresh dark cherry red grains, subhedral.
SPHENE					
SPINEL					
STAUROLITE					

SULPHIDES				
TOURMALINE			Tr	Well worn reworked grains, black-brown.
XENOTIME				
ZIRCON			Tr	Rare. Well worn reworked grains, colourless, Fe-stained.
ROCK FRAGMENTS	60%	85%	100%	Abundance of pyroxene/ilmenite aggregates (mostly intergrown pyroxene), pale khaki brown, fresh.
<b>COMMENTS:</b> -1.2+0.8, ¼ observed.				Observed L.F.
-0.8+0.25 concentrate magnetically separated.				by: Date: June, 1999.
-0.8+0.25 fully observed.				
<b>NM</b>				
<b>M6/7</b>	-0.8+0.5 1/16 obs, -0.4+0.25 1/8 obs.			
<b>M4/5</b>	-0.8+0.25 fully observed.			
<b>M1/2/3</b>	Scalp not observed			



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354833**

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

STREAMSED  
23.44 kgs  
242.8 grams  
-1.2+0.25 mm  
442

<b>KEY MINERALS</b>	%	%	%	<b>BRIEF DESCRIPTION</b>
	+0.8	+0.4	+0.25	
DIAMOND				
PYROPE				
CHROMITE/CR SPINEL			Tr	1+0.25, moderately worn broken subhedra, friable, granular, weathered, matt black, finely cokey. Not kimb.
CHROME DIOPSIDE				
PICROILMENITE				
PHLOGOPITE				
OTHER				

<b>OTHER MINERALS</b>	%	%	%	<b>BRIEF DESCRIPTION</b>
	+0.8	+0.4	+0.25	
AMPHIBOLE				
ANATASE			Tr	Very rare. Beige, bluish-yellow, yellow-beige, blue, subhedral to well rounded, greasy lustre.
ANDALUSITE		Tr	Tr	Palest pink to colourless, transparent, subrounded to rounded.
BARITE				
CALCITE				
CASSITERITE				
CORUNDUM		Tr	Tr	Colourless, greyish, pale blue, mauvish-blue, blue/colourless, watery blue, rounded hexagonal subhedra, some more flat, subrounded to rounded.
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	100%	90%	Red-brown, yellow-brown, dull, well rounded to subangular.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE		Tr	10%	Silvery-black sub/anhedra, bright, moderately worn.
KYANITE				
LEUCOXENE		Tr	Tr	Grey-green, beige, blue-grey, polished, well rounded grains.
MAGNETITE				
MICA				
MN OXIDE			Tr	
MONAZITE				
PHOSPHATES			Tr	Very rare. Orange-brown, well rounded, opaque.
PREHNITE				
PYROXENE	Tr	Tr	Tr	Pale khaki, lath-like to more granular and rounded.

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

RUTILE		Tr	Tr	Reddish-black, orange-red, cherry red, subhedra to rounded anhedral.
SPINEL				
STAUROLITE			Tr	Very rare. Pale orange-brown, dull, subrounded.
TOURMALINE		Tr	Tr	Well rounded, black-brown grains, rare coloured grains.
ZIRCON		Tr	Tr	Colourless, vitreous to more dull, generally well rounded.
<b>COMMENTS:</b> -1.2+0.8 fully observed. <span style="float: right;">Observed B.G.</span> -0.8+0.25 concentrate magnetically separated. <span style="float: right;">by: Date: June, 1999</span> -0.8+0.25 fully observed. <b>NM</b> <b>M6/7</b> -0.8+0.25 fully observed. <b>M4/5</b> -0.8+0.25 fully observed. <b>M1/2/3</b> Scalp not observed				



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354834**

### **ASSESSMENT**

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### **NEGATIVE**

STREAMSED  
24.50 kgs  
165.3 grams  
-1.2+0.25 mm  
-

<b>KEY MINERALS</b>	%	%	%	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

<b>OTHER MINERALS</b>	%	%	%	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM		Tr	Tr		Colourless, pale blue, well worn, vitreous, transparent.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	80%		Red-brown, yellow-brown, dull, earthy.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	20%		Bright silvery-black, platy, moderately worn.
KYANITE					
LEUCOXENE			Tr		Beige, cream, tan, polished, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE		Tr	Tr		Pale khaki brown, jagged laths, moderately fresh.
RUTILE		Tr	Tr		Reworked grains, near spherical, silvery-black to dark cherry red.
SPHENE					

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

SPINEL				
STAUROLITE			Tr	Well worn, pale orange-brown, transparent.
SULPHIDES				
TOURMALINE		Tr	Tr	Black-brown, near spherical reworked grains.
XENOTIME				
ZIRCON		Tr	Tr	Colourless, near spherical reworked grains.
<b>COMMENTS:</b>	-1.2+0.8 Concentrate fully observed.			Observed L.F.
	-0.8+0.25 Concentrate magnetically separated.			by: Date: June, 1999
	-0.8+0.25 fully observed.			
<b>NM</b>				
<b>M6/7</b>	-0.8+0.25 fully observed.			
<b>M4/5</b>	-0.8+0.25 fully observed.			
<b>M1/2/3</b>	Scalp not observed			



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354835**

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE


STREAMSED  
14.56 kgs  
2649.6 grams  
-1.2+0.25 mm  
-

	%	%	%		
<b>KEY MINERALS</b>	+0.8	+0.4	+0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

	%	%	%		
<b>OTHER MINERALS</b>	+0.8	+0.4	+0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE			Tr		Rare. Grey-green, elongate, fibrous, moderately worn.
ANATASE		Tr	Tr		Dark blue-grey, tabular subhedra, moderately fresh.
APATITE					
BARITE			Tr		White, cream, dull frosted opaques, rounded, granular.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE		10%	2%		Red-brown, mustard yellow, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			Tr		Silvery-black, tabular subhedra, mostly moderately fresh, some are more rounded.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE		Tr	Tr		Grey-black, nodular.
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE		Tr	Tr		Khaki, pale brown, greenish-brown, green, transparent to opaque, jagged laths, some with surface striations.
RUTILE			Tr		Black, well rounded with semi-metallic lustre.

SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE			Tr	Brown, transparent, well rounded.
XENOTIME				
ZIRCON		Tr	Tr	Colourless, well rounded, vitreous with slight frosting.
ROCK FRAGMENTS		90%	98%	Pyroxene/Fe-oxide/quartz aggregates.
<b>COMMENTS:</b>	-1.2+0.8 not observed.			Observed J.D.
	-0.8+0.25 concentrate magnetically separated.			by: Date. June, 1999.
	-0.8+0.25 fully observed.			
<b>NM</b>				
<b>M6/7</b>	-0.8+0.25, 1/16 observed.			
<b>M4/5</b>	-0.8+0.4 fully observed, -0.4+0.25 ½ obs.			
<b>M1/2/3</b>	Scalp not observed			

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		<b>ASSESSMENT</b> Type of sample Head Weight Conc Weight -1.2+0.25mm Size fractions observed Disc No		<b>NEGATIVE</b> STREAMSED 24.46 kgs 114.8 grams -1.2+0.25 mm 442	

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		17+0.25, matt black, finely granular, rounded subhedra, finely cokey surfaces. Not kimb.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Rare. Tabular subhedra, moderately fresh to moderately worn, dark blue-grey.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Colourless, pale to dark blue, well worn, vitreous, transparent.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	45%		Yellow-brown, red-brown, mostly dull and earthy.
GARNET			Tr		1+0.25, well rounded, orange, transparent but frosted.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	55%		Abundance of platy silvery-black grains, moderately fresh.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, grey, smooth polished grains, mostly after ilmenite.
MAGNETITE					
MICA					
MN OXIDE			Tr		Dark grey, soft, friable, opaque.
MONAZITE					
PHOSPHATES					
PREHNITE					

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

PYROXENE	Tr	Tr	Tr	Pale khaki brown, also yellow-green, moderately fresh to fresh, jagged transparent laths.
RUTILE			Tr	Well worn reworked grains, dark cherry red.
SPHENE				
SPINEL				
STAUROLITE			Tr	Rare. Pale to dark orange-brown, well worn, small black inclusions.
SULPHIDES				
TOURMALINE			Tr	Black-brown reworked grains, ovate to near spherical.
ZIRCON		Tr	Tr	Colourless, well worn, vitreous, transparent to frosted.
<b>COMMENTS:</b>				Observed L.F. by: Date. June, 1999.
				-1.2+0.8 concentrate fully observed.
				-0.8+0.25 concentrate magnetically separated.
				-0.8+0.25 fully observed.
<b>NM</b>				
<b>M6/7</b>				-0.8+0.25 fully observed.
<b>M4/5</b>				-0.8+0.25 fully observed.
<b>M1/2/3</b>				Scalp not observed



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354837**

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

STREAMSED  
17.58 kgs  
80.3 grams  
-1.2+0.25 mm  
-

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

% % %

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Silver-grey subhedra, opaque with greasy lustre.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Palest blue, tabular, transparent with small black inclusions.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Brown, red-brown, tan, grey-black, dull, earthy, angular, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, tabular, subhedra, blocky, some grains partly leucoxenised.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, polished opaques, tabular.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					



PREHNITE				
PYROXENE			Tr	Khaki, translucent to opaque laths, sharp angular, fibrous.
RUTILE			Tr	Black, cherry red, dull to semi-metallic lustre.
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE		Tr	Tr	Black, brown, orange, green, well rounded, transparent to opaque.
ZIRCON			Tr	Colourless, pale peach, honey brown, rare broken euhedra, rounded, vitreous, some slightly frosted.
<b>COMMENTS:</b>	-1.2+0.8 fully obs.			Observed J.D.
	-0.8+0.25 concentrate magnetically separated.			by: Date: June, 1999
	-0.8+0.25 fully observed.			
<b>NM</b>				
<b>M6/7</b>	-0.8+0.25 fully observed.			
<b>M4/5</b>	-0.8+0.25 fully observed.			
<b>M1/2/3</b>	Scalp not observed			



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354838**

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

STREAMSED  
12.54 kgs  
163.4 grams  
-1.2+0.25 mm  
442

<b>KEY MINERALS</b>	% +0.8	% +0.4	% +0.25	mm	<b>BRIEF DESCRIPTION</b>
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

% % %

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

<b>OTHER MINERALS</b>	% +0.8	% +0.4	% +0.25	mm	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE					
ANATASE					
APATITE					
BARITE			Tr		Rare. Cream, dull, finely granular aggregates.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Dull, red-brown, some are yellow-brown, earthy.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, platy to well worn.
KYANITE					
LEUCOXENE			Tr		Rare. Beige, grey, smooth, well worn, opaque.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					

PREHNITE				
PYROXENE		Tr	Tr	Rare. Pale khaki-brown, moderately fresh, translucent.
RUTILE				
SPHENE				
SPINEL				
STAUROLITE		Tr		1+0.4, dark honey brown, well worn, smooth, semi-opaque.
SULPHIDES				
TOURMALINE			Tr	Black-brown, reworked near spherical grains.
XENOTIME				
ZIRCON			Tr	Colourless, smooth, well worn, reworked.
<b>COMMENTS:</b>	-1.2+0.8 concentrate fully observed.			Observed L.F.
	-0.8+0.25 concentrate magnetically separated.			by: Date: June, 1999.
	-0.8+0.25 fully observed.			
<b>NM</b>				
<b>M6/7</b>	-0.8+0.25 fully observed.			
<b>M4/5</b>	-0.8+0.25 fully observed.			
<b>M1/2/3</b>	Scalp not observed			



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354839**

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

STREAMSED  
22.46 kgs  
306.9 grams  
-1.2+0.25 mm  
442

	%	%	%		
<b>KEY MINERALS</b>	+0.8	+0.4	+0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		1+0.25, silvery-black, quite heavily pitted. Not kimb.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

% % %

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

	%	%	%		
<b>OTHER MINERALS</b>	+0.8	+0.4	+0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE					
ANATASE			Tr		Blue-grey, opaque with greasy lustre.
APATITE					
BARITE		Tr	Tr		Clean, rounded frosted grains, granular.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Brown, red-brown, tan, grey-black, dull, rounded to earthy angular grains.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, tabular, subhedral, high metallic lustre to more dull, frosted.
KYANITE					
LEUCOXENE			Tr		Beige, grey, polished opaques.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					

PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE		Tr	Tr	Dark cherry red, black, subhedral, rounded, translucent to opaque with semi-metallic lustre.
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE			Tr	Black, brown, orange, green, well rounded.
ZIRCON			Tr	Colourless, transparent, slightly frosted, ovate.
<b>COMMENTS:</b>	-1.2+0.8 fully observed.			Observed by: J.D.
	-0.8+0.25 concentrate magnetically separated.			Date: June, 1999.
	-0.8+0.25 fully observed.			
<b>NM</b>				
<b>M6/7</b>	-0.8+0.25 fully observed.			
<b>M4/5</b>	-0.8+0.25 fully observed.			
<b>M1/2/3</b>	Scalp not observed			



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354840**

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

STREAMSED  
34.46 kgs  
150.0 grams  
-1.2+0.25 mm  
442

<b>KEY MINERALS</b>	%	%	%	<b>BRIEF DESCRIPTION</b>
	+0.8	+0.4	+0.25	
DIAMOND				
PYROPE				
CHROMITE/CR SPINEL				
CHROME DIOPSIDE				
PICROILMENITE				
PHLOGOPITE				
OTHER				

<b>OTHER MINERALS</b>	%	%	%	<b>BRIEF DESCRIPTION</b>
	+0.8	+0.4	+0.25	
AMPHIBOLE				
ANATASE			Tr	Blue-grey, moderately fresh tabular subhedra.
ANDALUSITE			Tr	Rare. Pale peach pink, blocky, worn, transparent.
BARITE			Tr	Creamy white finely crystalline aggregates, small rosettes, moderately fresh, opaque.
CALCITE				
CASSITERITE				
CORUNDUM			Tr	Colourless, vitreous, well worn, transparent with small black inclusions.
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	100%	75%	Red-brown, yellow-brown, dull, earthy.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE		Tr	25%	Platy, silvery-black, subhedral, some are well rounded.
KYANITE				
LEUCOXENE			Tr	Beige, grey, smooth and porcelain-like, well worn.
MAGNETITE				
MICA				
MN OXIDE				

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE		Tr	Tr	Pale khaki brown, moderately fresh.
RUTILE		Tr	Tr	Dark cherry red, moderately fresh elongate prismatic grains, also some more rounded reworked grains.
SPHENE				
SPINEL				
STAUROLITE			Tr	Pale honey brown, orange-brown, well worn, transparent, often with small black inclusions.
SULPHIDES				
TOURMALINE			Tr	Black-brown, well rounded reworked grains.
XENOTIME				
ZIRCON		Tr	Tr	Colourless, well worn reworked grains.
<b>COMMENTS:</b>	-1.2+0.8 concentrate fully observed.			Observed L.F.
	-0.8+0.25 concentrate magnetically separated.			by: Date: June 1999
	-0.8+0.25 fully observed.			
<b>NM</b>				
<b>M6/7</b>	-0.8+0.25 fully observed.			
<b>M4/5</b>	-0.8+0.25 fully observed.			
<b>M1/2/3</b>	Scalp not observed			



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354841**

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

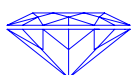
STREAMSED  
18.70 kgs  
51.5 grams  
-1.2+0.25 mm  
-

	%	%	%		
<b>KEY MINERALS</b>	+0.8	+0.4	+0.25	mm	<b>BRIEF DESCRIPTION</b>
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

	%	%	%		
<b>OTHER MINERALS</b>	+0.8	+0.4	+0.25	mm	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE					
ANATASE			Tr		Deep blue, silvery-grey, blue-green, subhedra, opaque with greasy lustre.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Tan, red-brown, brown, dull earthy angular to rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, tabular, subhedra to rounded, high metallic lustre, some more dull and frosted, also partly leucoxenised.
KYANITE					
LEUCOXENE			Tr		Grey, beige, polished opaques.
MAGNETITE					

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

MICA				
MN OXIDE				
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE		Tr		Grey-brown.
RUTILE			Tr	Cherry red, red-black, subhedral, rounded, semi-metallic lustre.
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE			Tr	Brown, green, black-brown, well rounded.
ZIRCON			Tr	Colourless, vitreous slightly frosted ovate grains.
<b>COMMENTS:</b>	-1.2+0.8 fully obs.			Observed J.D.
	-0.8+0.25 Concentrate magnetically separated.			by: Date: June, 1999
	-0.8+0.25 fully observed.			
<b>NM</b>				
<b>M6/7</b>	-0.8+0.25 fully observed.			
<b>M4/5</b>	-0.8+0.25 fully observed.			
<b>M1/2/3</b>	Scalp not observed			



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354842**

### ASSESSMENT

Type of sample

Head Weight

Conc Weight -1.2+0.25mm

Size fractions observed

Disc No

### NEGATIVE

STREAM SEDIMENT

14.44

kgs

239.5

grams

-1.2+0.25

mm

-

	%	%	%		
<b>KEY MINERALS</b>	+0.8	+0.4	+0.25	mm	<b>BRIEF DESCRIPTION</b>
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

	%	%	%		
<b>OTHER MINERALS</b>	+0.8	+0.4	+0.25	mm	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE					
ANATASE					
APATITE					
BARITE			Tr		White rounded granular grains, opaque.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Brown, tan, red-brown, grey-black, dull rounded, also earthy angular fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, tabular, subhedral, blocky, grooved high metallic lustre to more dull frosted, some partly leucoxenised.
KYANITE			Tr		Colourless, tabular, worn, transparent grains.

LEUCOXENE			Tr	Beige, brown, blocky polished opaques.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE		Tr	Tr	Dark cherry red, black, subhedral, vitreous, glassy lustre to rounded semi-metallic, translucent to opaque.
RUTILE				
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE		Tr	Tr	Green, brown, black, well rounded.
XENOTIME				
ZIRCON			Tr	Rare. Colourless, transparent, vitreous, rounded grain.
ROCK FRAGMENTS				
<b>COMMENTS:</b>	-1.2+0.8 fully observed.			Observed J.D.
	-0.8+0.25 concentrate magnetically separated.			by: Date: June, 1999.
	-0.8+0.25 fully observed.			
<b>NM</b>				
<b>M6/7</b>	-0.8+0.25 fully observed.			
<b>M4/5</b>	-0.8+0.25 fully observed.			
<b>M1/2/3</b>	Scalp not observed			



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354843**

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

STREAMSED  
16.10 kgs  
53.0 grams  
-1.2+0.25 mm  
-

	%	%	%		
<b>KEY MINERALS</b>	+0.8	+0.4	+0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

% % %

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

<b>OTHER MINERALS</b>	%	%	%		
	+0.8	+0.4	+0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE					
ANATASE			Tr		Deep blue, opaque, subhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Pale blue, tabular, vitreous.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Brown, tan, red-brown, grey-black, dull, well rounded to blocky earthy grains, pseudomorph after pyrite.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					

ILMENITE		Tr	Tr	Silvery-black subhedra, tabular to rounded, high metallic lustre to more dull frosted, some partly leucoxenised.
KYANITE				
LEUCOXENE			Tr	Cream, rounded polished opaques.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE			Tr	Red-black, cherry red, subhedra, opaque, glassy to silvery metallic lustre.
SPHENE				
SPINEL				
STAUROLITE			Tr	Rare. Orange-brown, frosted angular fragment.
SULPHIDES				
TOURMALINE			Tr	Brown, black, well rounded.
XENOTIME				
ZIRCON			Tr	Colourless, rounded, transparent, slightly frosted.
<b>COMMENTS:</b> -1.2+0.8 fully observed. -0.8+0.25 concentrate magnetically separated. -0.8+0.25 fully observed. <b>NM</b> <b>M6/7</b> -0.8+0.25 fully observed. <b>M4/5</b> -0.8+0.25 fully observed. <b>M1/2/3</b> Scalp not observed				
			Observed by:	J.D. Date: June, 1999.



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354844**

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

STREAMSED  
27.90 kgs  
132.3 grams  
-1.2+0.25 mm  
-

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

% % %

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Rare. Tabular subhedra, moderately worn, blue-grey.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Mostly yellow-brown, dull, earthy.
GARNET					
GOLD					
GORCEIXITE					

HAEMATITE				
ILMENITE			Tr	Bright silvery-black, moderately worn to worn, generally platy.
KYANITE				
LEUCOXENE			Tr	
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE			Tr	Rare. Dark cherry red, moderately worn to well worn grains.
SPHENE				
SPINEL				
STAUROLITE			Tr	Very rare. Pale orange-brown, well worn, translucent.
SULPHIDES				
TOURMALINE		Tr	Tr	Rare. Black-brown, near spherical reworked grains.
XENOTIME				
ZIRCON			Tr	Colourless, dull, near spherical, reworked, some Fe-stained.
<b>COMMENTS:</b>	-1.2+0.8 concentrate fully observed.			Observed L.F.
	-0.8+0.25 concentrate magnetically separated.			by: Date: June, 1999.
	-0.8+0.25 fully observed.			
<b>NM</b>				
<b>M6/7</b>	-0.8+0.25 fully observed.			
<b>M4/5</b>	-0.8+0.25 fully observed.			
<b>M1/2/3</b>	Scalp not observed			



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354845**

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

STREAMSED  
14.36 kgs  
39.5 grams  
-1.2+0.25 mm  
-

	%	%	%		
<b>KEY MINERALS</b>	+0.8	+0.4	+0.25	mm	<b>BRIEF DESCRIPTION</b>
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

% % %

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

<b>OTHER MINERALS</b>	%	%	%	mm	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE					
ANATASE			Tr		Blue-grey, translucent subhedra with greasy lustre.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Brown, tan, red-brown, dull earthy angular, blocky to well rounded.
GARNET					
GOLD					
GORCEIXITE					



HAEMATITE				
ILMENITE			Tr	Silvery-black, blocky, tabular subhedra to rounded, high metallic lustre to more dull frosted, some partly leucoxenised
KYANITE				
LEUCOXENE			Tr	Cream, opaque.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE		Tr	Tr	Khaki, grey-green, translucent, blocky with surface striations to opaque jagged laths.
RUTILE			Tr	Black, rounded, silvery semi-metallic lustre.
SPHENE				
SPINEL				
STAUROLITE			Tr	Orange, rounded, transparent with slight frosting.
SULPHIDES				
TOURMALINE		Tr	Tr	Black, brown, green, subhedral to well rounded.
XENOTIME				
ZIRCON			Tr	Colourless, pale yellow, transparent, translucent, vitreous, some frosted.
<b>COMMENTS:</b>	-1.2+0.8 fully observed.			Observed J.D.
	-0.8+0.25 concentrate magnetically separated.			by: Date: June, 1999.
	-0.8+0.25 fully observed.			
<b>NM</b>				
<b>M6/7</b>	-0.8+0.25 fully observed.			
<b>M4/5</b>	-0.8+0.25 fully observed.			
<b>M1/2/3</b>	Scalp not observed			



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354846**

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

STREAMSED  
15.14 kgs  
145.9 grams  
-1.2+0.25 mm  
-

	%	%	%		
<b>KEY MINERALS</b>	+0.8	+0.4	+0.25	mm	<b>BRIEF DESCRIPTION</b>
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

% % %

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

<b>OTHER MINERALS</b>	%	%	%	mm	<b>BRIEF DESCRIPTION</b>
	+0.8	+0.4	+0.25		
AMPHIBOLE		Tr	Tr		Rare. Bottle green, fibrous, blocky, moderately fresh.
ANATASE					
APATITE					
BARITE			Tr		Rare. Creamy white to yellowish, Fe-stained, soft finely granular aggregates.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Dull purple-brown, irregular, finely micaceous.
GARNET					

GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE			Tr	Bright silvery-black, platy to well rounded.
KYANITE				
LEUCOXENE			Tr	Rare. Beige, dull porcelain-like grains, worn.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE			Tr	Rare. Pale khaki brown, moderately fresh jagged laths.
RUTILE				
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE			Tr	Black-brown, reworked, smooth to frosted, well worn.
XENOTIME				
ZIRCON			Tr	Colourless, reworked, smooth, well rounded.
ROCK FRAGMENTS				
<b>COMMENTS:</b>	-1.2+0.8 concentrate fully observed.			Observed L.F.
	-0.8+0.25 concentrate magnetically separated.			by: Date: June, 1999.
	-0.8+0.25 fully observed.			
<b>NM</b>				
<b>M6/7</b>	-0.8+0.4 fully observed, -0.4+0.25 ¼ obs.			
<b>M4/5</b>	-0.8+0.25 fully observed.			
<b>M1/2/3</b>	Scalp not observed			



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354847**

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

STREAMSED  
22.50 kgs  
80.8 grams  
-1.2+0.25 mm  
-

	%	%	%		
<b>KEY MINERALS</b>	+0.8	+0.4	+0.25	mm	<b>BRIEF DESCRIPTION</b>
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					
	%	%	%	Note: The number of key minerals is the <b>absolute number</b> in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction	
<b>OTHER MINERALS</b>	+0.8	+0.4	+0.25	mm	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE					
ANATASE			Tr		Blue-grey, opaque, blocky with greasy lustre.
APATITE					
BARITE			Tr		White, tabular frosted grains to rounded, granular.
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Palest blue, tabular, transparent, vitreous.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Red-brown, tan, grey-black, brown, dull, well-rounded to blocky, angular, earthy.

GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE			Tr	Silvery-black, blocky, subhedra, high metallic lustre, deeply grooved to more dull, rounded, frosted.
KYANITE				
LEUCOXENE			Tr	Beige, brown, blocky to rounded, polished opaques.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE			Tr	Creamy orange, opaque.
PHOSPHATES				
PREHNITE				
PYROXENE			Tr	Beige, translucent jagged laths.
RUTILE			Tr	Cherry red, subhedra, translucent with glassy lustre.
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE		Tr	Tr	Black, brown, orange, blue, well rounded.
XENOTIME				
ZIRCON			Tr	Colourless, rounded, vitreous with slight frosting.
<b>COMMENTS:</b>	-1.2+0.8 fully observed.			Observed J.D.
	-0.8+0.25 concentrate magnetically separated.			by: Date; June, 1999.
	-0.8+0.25 fully observed.			
<b>NM</b>				
<b>M6/7</b>	-0.8+0.25 fully observed.			
<b>M4/5</b>	-0.8+0.25 fully observed.			
<b>M1/2/3</b>	Scalp not observed			



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354848**

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

STREAMSED  
31.20 kgs  
73.6 grams  
-1.2+0.25 mm  
-

	%	%	%		
<b>KEY MINERALS</b>	+0.8	+0.4	+0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

	%	%	%		
<b>OTHER MINERALS</b>	+0.8	+0.4	+0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE					
ANATASE					
APATITE					
BARITE			Tr		Very rare, creamy white, greyish, finely granular aggregates, opaque.
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Rare. Colourless to dark blue, highly vitreous, well worn, smooth to hummocky, transparent.

EPIDOTE				
FE OXIDE/HYDROXIDE	100%	100%	100%	Yellow-brown, red-brown, dull and earthy, the larger grains are pisolitic.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE		Tr	Tr	Bright silvery-black, platy to rounded, moderately worn to worn.
KYANITE			Tr	Rare. Colourless, bladed, well worn, pearly lustre.
LEUCOXENE			Tr	Beige, grey, smooth porcelain-like grains, polished, well worn.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE			Tr	Pale khaki-brown laths, jagged, moderately fresh, translucent.
RUTILE			Tr	Well worn reworked grains, dark cherry red to silvery-black.
SPHENE				
SPINEL				
STAUROLITE			Tr	Rare. Orange-brown, well worn, smooth, transparent.
TOURMALINE		Tr	Tr	Black-brown, near spherical to ovate, reworked.
ZIRCON			Tr	Colourless, near spherical, reworked, dull to quite vitreous.
<b>COMMENTS:</b> -1.2+0.8 concentrate fully observed. <span style="float: right;">Observed L.F.</span> <span style="float: right;">by:</span> -0.8+0.25 concentrate magnetically separated. <span style="float: right;">Date: June, 1999.</span> -0.8+0.25 fully observed. <b>NM</b> <b>M6/7</b> -0.8+0.25 fully observed. <b>M4/5</b> -0.8+0.25 fully observed. <b>M1/2/3</b> Scalp not observed				



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354849**

### **ASSESSMENT**

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### **NEGATIVE**

STREAMSED  
21.54 kgs  
90.7 grams  
-1.2+0.25 mm  
-

<b>KEY MINERALS</b>	%	%	%	<b>BRIEF DESCRIPTION</b>
	+0.8	+0.4	+0.25	
DIAMOND				
PYROPE				
CHROMITE/CR SPINEL				
CHROME DIOPSIDE				
PICROILMENITE				
PHLOGOPITE				
OTHER				

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

<b>OTHER MINERALS</b>	%	%	%	<b>BRIEF DESCRIPTION</b>
	+0.8	+0.4	+0.25	
AMPHIBOLE			Tr	Dark green, elongate, opaque.
ANATASE				
APATITE				
BARITE		Tr	Tr	White, frosted opaque granular grains.
CALCITE				
CASSITERITE				
CORUNDUM				
EPIDOTE				



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**SAMPLE NO**

**354850**

**NEGATIVE**

STREAMSED	
16.50	kgs
95.2	grams
-1.2+0.25	mm
-	

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

	%	%	%	Note: The number of key minerals is the <b>absolute number</b> in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction	
<b>OTHER MINERALS</b>	+0.8	+0.4	+0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					

EPIDOTE				
FE OXIDE/HYDROXIDE	100%	100%	100%	Yellow-brown, red-brown, dull and earthy, the larger grains are pisolitic.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE		Tr	Tr	Silvery-black, moderately worn to worn, generally platy.
KYANITE				
LEUCOXENE			Tr	Beige, grey, worn, dull.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE			Tr	Pale khaki brown, jagged laths, moderately fresh.
RUTILE				
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE		Tr	Tr	Reworked grains, near spherical to ovate, black-brown.
XENOTIME				
ZIRCON			Tr	Reworked grains, near spherical, dull, colourless.
<b>COMMENTS:</b>	-1.2+0.8 concentrate fully observed.			Observed L.F.
	-0.8+0.25 concentrate magnetically separated.			by: Date: June, 1999
	-0.8+0.25 fully observed.			
<b>NM</b>				
<b>M6/7</b>	-0.8+0.25 fully observed.			
<b>M4/5</b>	-0.8+0.25 fully observed.			
<b>M1/2/3</b>	Scalp not observed			



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354851**

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

STREAMSED  
28.56 kgs  
686.1 grams  
-1.2+0.25 mm  
-

	%	%	%		
<b>KEY MINERALS</b>	+0.8	+0.4	+0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

	%	%	%		
<b>OTHER MINERALS</b>	+0.8	+0.4	+0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE			Tr		Rare. Grey-green, fibrous laths.
ANATASE			Tr		Rare. Sky blue to grey-blue, moderately worn subhedra, translucent.
APATITE					
BARITE	Tr	Tr	Tr		Several creamy white aggregates and rosettes, soft, opaque, rarely Fe-stained.
CALCITE					

CASSITERITE				
CORUNDUM				
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	100%	50%	Pisolitic, dark brown to mustard yellow, rare pseudomorphs after pyrite.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE		Tr	50%	Silvery-black, platy to blocky, some are quite well rounded.
KYANITE				
LEUCOXENE		Tr	Tr	Grey, beige, grey-green, smooth and polished to quite dull, opaque.
MAGNETITE				
MICA				
MN OXIDE	Tr	Tr	Tr	Grey-black, soft nodules
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE		Tr	Tr	Pale khaki brown, moderately fresh laths.
RUTILE			Tr	Well worn silvery-black grains, ovate.
SPHENE				
SPINEL				
STAUROLITE			Tr	Rare. Pale orange-brown, well worn.
TOURMALINE	Tr	Tr	Tr	Near spherical, reworked, black-brown, mid-brown, smooth to finely frosted.
ZIRCON		Tr	Tr	Near spherical, reworked, colourless, yellow, orange, Fe-stained, vitreous, polished.
<b>COMMENTS:</b>	-1.2+0.8 concentrate fully observed.			Observed L.F.
	-0.8+0.25 concentrate magnetically separated.			by: Date: June, 1999
	-0.8+0.25 fully observed.			
<b>NM</b>				
<b>M6/7</b>	-0.8+0.25 fully observed, (-0.4+0.25 MI separated).			
<b>M4/5</b>	-0.8+0.25 fully observed.			
<b>M1/2/3</b>	Scalp not observed			



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354852**

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

STREAMSED  
40.28 kgs  
496.2 grams  
-1.2+0.25 mm  
442

	%	%	%		
<b>KEY MINERALS</b>	+0.8	+0.4	+0.25	mm	<b>BRIEF DESCRIPTION</b>
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

% % %

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

<b>OTHER MINERALS</b>	+0.8	+0.4	+0.25	mm	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					

CASSITERITE				
CORUNDUM			Tr	1+0.25, pale blue, tabular transparent grain, highly vitreous.
EPIDOTE				
FE OXIDE/HYDROXIDE	70%	70%	35%	Near spherical to ovate and disc-shaped pisolites, mid-brown, yellow-brown.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE		Tr	65%	Abundance of silvery-black, rounded to subrounded grains.
KYANITE		Tr		Pale blue to colourless, Fe-stained, well worn.
LEUCOXENE			Tr	Numerous dull beige grains, moderately worn to worn, after ilmenite.
MAGNETITE				
MICA				
MN OXIDE	30%	30%	Tr	Numerous dull grey-black nodules.
MONAZITE			Tr	Rare. Pale creamy-orange, opaque, well worn, smooth.
PHOSPHATES				
PREHNITE				
PYROXENE		Tr	Tr	Moderately fresh, pale khaki brown laths, jagged, translucent.
RUTILE			Tr	Well worn reworked grains, silvery-black.
SPHENE				
SPINEL				
STAUROLITE		Tr	Tr	Rare. Well worn, dark orange-brown, translucent.
TOURMALINE		Tr	Tr	Black-brown, brown, near spherical reworked grains, smooth to frosted.
ZIRCON			Tr	Colourless, yellow, orange, Fe-stained, near spherical reworked grains, smooth to frosted.
ROCK FRAGMENTS	Tr		Tr	Pyroxene/feldspar aggregates.
<b>COMMENTS:</b>	-1.2+0.8 concentrate fully observed.			Observed L.F.
	-0.8+0.25 concentrate magnetically separated.			by: Date: June, 1999.
	-0.8+0.25 fully observed.			
<b>NM</b>				
<b>M6/7</b>	-0.8+0.25 fully observed.			
<b>M4/5</b>	-0.8+0.25 fully observed, -0.4+0.25, 1/16 obs.			
<b>M1/2/3</b>	Scalp not observed			



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354853**

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

STREAMSED  
25.28 kgs  
208.4 grams  
-1.2+0.25 mm  
-

	%	%	%		
<b>KEY MINERALS</b>	+0.8	+0.4	+0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

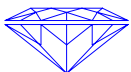
% % %

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

<b>OTHER MINERALS</b>	+0.8	+0.4	+0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE					
ANATASE					
APATITE					
BARITE		Tr	Tr		Very rare. White globular sugary opaques.



CALCITE				
CASSITERITE				
CORUNDUM			Tr	Very rare. Palest blue, transparent, well rounded, anhedral.
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	100%	100%	Yellow-brown, red-brown, subangular to quite rounded, dull.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE		Tr	Tr	Silvery-black, bright sub/anhedra, moderately worn.
KYANITE				
LEUCOXENE		Tr	Tr	Rare. Beige-brown, grey-blue, polished, after ilmenite.
MAGNETITE				
MICA				
MN OXIDE		Tr	Tr	Very rare. Dull grey, rounded, soft, opaque.
MONAZITE				
PHOSPHATES		Tr	Tr	Very rare. White, cream, brown, rounded opaques.
PREHNITE				
PYROXENE			Tr	Very rare. Pale khaki, moderately fresh, lath-like.
RUTILE		Tr	Tr	Reddish-black, orange-red, cherry red, rounded sub/anhedral grains with strong metallic lustre.
SPHENE				
SPINEL				
STAUROLITE			Tr	Very rare. Pale orange, well rounded, slightly frosted.
SULPHIDES				
TOURMALINE		Tr	Tr	Black-brown near spherical grains.
XENOTIME				
ZIRCON		Tr	Tr	Colourless, Fe-stained, near spherical, transparent to translucent.
<b>COMMENTS:</b>	-1.2+0.8 fully observed.			Observed by: B.G.
	-0.8+0.25 concentrate magnetically separated.			Date: June, 1999.
	-0.8+0.25 fully observed.			
<b>NM</b>				
<b>M6/7</b>	-0.8+0.25 fully observed.			
<b>M4/5</b>	-0.8+0.25 fully observed.			
<b>M1/2/3</b>	Scalp not observed			

  
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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354854**

### ASSESSMENT

Type of sample  
 Head Weight  
 Conc Weight -1.2+0.25mm  
 Size fractions observed  
 Disc No

### NEGATIVE

STREAMSED  
 19.32 kgs  
 157.7 grams  
 -1.2+0.25 mm  
 -

	%	%	%		
<b>KEY MINERALS</b>	+0.8	+0.4	+0.25	mm	<b>BRIEF DESCRIPTION</b>
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					
	%	%	%	Note: The number of key minerals is the <b>absolute number</b> in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction	
<b>OTHER MINERALS</b>	+0.8	+0.4	+0.25	mm	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE			Tr		Rare. Dark bottle green, translucent lath.
ANATASE			Tr		Pale blue-grey, rounded opaque with greasy lustre.
APATITE					

BARITE				
CALCITE				
CASSITERITE				
CORUNDUM				
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	100%	100%	Brown, tan, red-brown, dull earthy rounded.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE		Tr	Tr	Silvery-black, high to semi-metallic lustre, tabular, blocky subhedra, more rounded grains frosted.
KYANITE				
LEUCOXENE			Tr	Beige, angular polished opaques.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE				
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE		Tr	Tr	Black, brown, well rounded.
XENOTIME				
ZIRCON				
ROCK FRAGMENTS				
<b>COMMENTS:</b>	-1.2+0.8 fully observed.			Observed J.D.
	-0.8+0.25 concentrate magnetically separated.			by: Date: June, 1999
	-0.8+0.25 fully observed.			
<b>NM</b>				
<b>M6/7</b>	-0.8+0.25 fully observed.			
<b>M4/5</b>	-0.8+0.25 fully observed.			
<b>M1/2/3</b>	Scalp not observed			



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354855**

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

STREAMSED  
14.12 kgs  
116.1 grams  
-1.2+0.25 mm  
-

	%	%	%		
<b>KEY MINERALS</b>	+0.8	+0.4	+0.25	mm	<b>BRIEF DESCRIPTION</b>
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					
	%	%	%	Note: The number of key minerals is the <b>absolute number</b> in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction	
<b>OTHER MINERALS</b>	+0.8	+0.4	+0.25	mm	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE					
ANATASE					

APATITE				
BARITE				
CALCITE				
CASSITERITE				
CORUNDUM				
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	100%	100%	Brown, tan, red-brown, dull angular earthy to well rounded.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE			Tr	Silvery-black, tabular, blocky to rounded, some deeply grooved, high metallic lustre to more dull frosted.
KYANITE				
LEUCOXENE				
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE			Tr	Pale khaki, translucent laths with fine surface striations.
RUTILE				
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE				
XENOTIME				
ZIRCON			Tr	Rare. Colourless, ovate, frosted.
<b>COMMENTS:</b>	-1.2+0.8 fully observed.			Observed J.D.
	-0.8+0.25 Concentrate magnetically separated.			by:
	-0.8+0.25 fully observed.			Date: June, 1999.
<b>NM</b>				
<b>M6/7</b>	-0.8+0.25 fully observed.			
<b>M4/5</b>	-0.8+0.25 fully observed.			
<b>M1/2/3</b>	Scalp not observed			



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354856**

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

STREAMSED  
17.22 kgs  
139.4 grams  
-1.2+0.25 mm  
-

	%	%	%		
<b>KEY MINERALS</b>	+0.8	+0.4	+0.25	mm	<b>BRIEF DESCRIPTION</b>
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					
	%	%	%	Note: The number of key minerals is the <b>absolute number</b> in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction	
<b>OTHER MINERALS</b>	+0.8	+0.4	+0.25	mm	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE					
ANATASE					

APATITE				
BARITE				
CALCITE				
CASSITERITE				
CORUNDUM				
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	100%	100%	Brown, tan, red-brown, rounded, dull, earthy.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE		Tr	Tr	Silvery-black, subhedra, tabular, blocky to rounded, some partly leucoxenised.
KYANITE				
LEUCOXENE				
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE			Tr	Pale khaki, pale brown, translucent, finely striated laths.
RUTILE			Tr	Cherry red, black, rounded opaques with semi-metallic lustre.
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE		Tr	Tr	Brown, transparent, well rounded.
XENOTIME				
ZIRCON			Tr	Colourless, rounded, frosted.
ROCK FRAGMENTS				
<b>COMMENTS:</b>	-1.2+0.8 fully observed.			Observed J.D.
	-0.8+0.25 Concentrate magnetically separated.			by: Date: June, 1999.
	-0.8+0.25 fully observed.			
<b>NM</b>				
<b>M6/7</b>	-0.8+0.25 fully observed.			
<b>M4/5</b>	-0.8+0.25 fully observed.			
<b>M1/2/3</b>	Scalp not observed			



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354857**

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

STREAMSED  
14.98 kgs  
105.9 grams  
-1.2+0.25 mm  
-

	%	%	%		
<b>KEY MINERALS</b>	+0.8	+0.4	+0.25	mm	<b>BRIEF DESCRIPTION</b>
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					
	%	%	%		
<b>OTHER MINERALS</b>	+0.8	+0.4	+0.25	mm	<b>BRIEF DESCRIPTION</b>

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

AMPHIBOLE				
ANATASE			Tr	Blue, subhedral with greasy lustre, opaque.
APATITE				
BARITE			Tr	White, soft granular frosted grains.
CALCITE				
CASSITERITE				
CORUNDUM				
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	100%	100%	Brown, red-brown, dull earthy rounded to blocky angular.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE			Tr	Silvery-black, tabular, rounded to blocky angular, semi-metallic lustre also silvery frosted, some partly leucoxenised.
KYANITE				
LEUCOXENE				
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE			Tr	Black, worn and rounded with semi-metallic lustre.
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE			Tr	Brown, black, well rounded, transparent to opaque.
XENOTIME				
ZIRCON				
ROCK FRAGMENTS				
<b>COMMENTS:</b>	-1.2+0.8 fully observed			Observed J.D.
	-0.8+0.25 concentrate magnetically separated.			by: Date: June, 1999.
	-0.8+0.25 fully observed.			
<b>NM</b>				
<b>M6/7</b>	-0.8+0.25 fully observed.			
<b>M4/5</b>	-0.8+0.25 fully observed.			
<b>M1/2/3</b>	Scalp not observed			



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354858**

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

STREAMSED  
19.02 kgs  
38.9 grams  
-1.2+0.25 mm  
-

	%	%	%		
<b>KEY MINERALS</b>	+0.8	+0.4	+0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					
	%	%	%		

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

<b>OTHER MINERALS</b>	<b>+0.8</b>	<b>+0.4</b>	<b>+0.25</b>	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE					
ANATASE					
APATITE					
BARITE			Tr		Very rare. Creamy-white aggregates, moderately worn.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	84%		Yellow-brown, red-brown, dull, earthy, mostly siltstone.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	15%		Silvery-black, mostly platy, some well rounded.
KYANITE					
LEUCOXENE			Tr		Rare. Beige, grey, well worn and porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE			Tr		Rare. Pale khaki brown laths, dull, jagged.
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare. Pale orange-brown, well worn, transparent.
SULPHIDES					
TOURMALINE		Tr	1%		Black-brown, well worn reworked grains.
XENOTIME					
ZIRCON			Tr		Colourless, dull, well worn reworked grains.
ROCK FRAGMENTS					
<b>COMMENTS:</b> -1.2+0.25 concentrate fully observed.					Observed by: LF Date: June, 1999.



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354859**

### ASSESSMENT

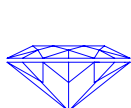
Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

STREAMSED  
16.62 kgs  
131.4 grams  
-1.2+0.25 mm  
442

<b>KEY MINERALS</b>	<b>% +0.8</b>	<b>% +0.4</b>	<b>% +0.25</b>	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	Note: The number of key minerals is the <b>absolute number</b> in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction	
	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE			Tr		Rare. Moderately fresh, grey-green tabular laths, semi-opaque.
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Dull, brick red, rarely yellow-brown, finely micaceous ferruginous siltstone.
GARNET			Tr		1+0.25, palest pink almandine, fine hummocky surface.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			Tr		Silvery-black, flat, platy, some are well rounded.
KYANITE					
LEUCOXENE			Tr		Rare. Beige, well worn, porcelain-like, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE		Tr	Tr		Pale khaki brown, moderately fresh.
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	Tr		Black-brown, near spherical, reworked, smooth to finely frosted.
ZIRCON			Tr		Rare. Colourless, well worn, ovate to near spherical, reworked.
<b>COMMENTS:</b> -1.2+0.8 Concentrate fully observed. <span style="float: right;">Observed L.F.</span> <span style="float: right;">by:</span> -0.8+0.25 Concentrate magnetically separated. <span style="float: right;">Date; June, 1999</span> -0.8+0.25 fully observed. <b>NM</b> <b>M6/7</b> -0.8+0.25 fully observed. <b>M4/5</b> -0.8+0.25 fully observed. <b>M1/2/3</b> Scalp not observed					



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354860**

### **ASSESSMENT**

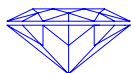
Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### **NEGATIVE**

STREAMSED  
24.40 kgs  
23.3 grams  
-1.2+0.25 mm  
442

KEY MINERALS	%	%	%		
	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					

OTHER				
	%	%	%	Note: The number of key minerals is the <b>absolute number</b> in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction
<b>OTHER MINERALS</b>	<b>+0.8</b>	<b>+0.4</b>	<b>+0.25</b>	<b>mm BRIEF DESCRIPTION</b>
AMPHIBOLE				
ANATASE			Tr	Blue-grey, subhedral, opaque with greasy lustre.
APATITE				
BARITE		Tr	Tr	White, rounded, opaque granular grains, colourless.
CALCITE				
CASSITERITE				
CORUNDUM			Tr	Blue, tabular, vitreous.
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	95%	5%	Brown, red-brown, tan, grey-black, rounded, dull, earthy, blocky, angular fragments.
GARNET			Tr	Rare. Pink, slightly stippled surface.
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE	Tr	5%	80%	Black, silvery-black, tabular, subhedral, blocky, rounded.
KYANITE				
LEUCOXENE			Tr	Brown, beige polished opaques.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE	Tr	Tr	15%	Khaki, grey-green, transparent to opaque, jagged laths to fibrous, also surface striated.
RUTILE			Tr	Black-cherry red, glassy vitreous subhedra to more rounded opaques with semi-metallic sheen.
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE		Tr	Tr	Black, brown, well rounded, rare subhedra.
XENOTIME				
ZIRCON		Tr	Tr	Colourless, orange, rounded, dull frosted.
<b>COMMENTS:</b>	-1.2+0.8 fully observed.			Observed J.D.
	-0.8+0.25 concentrate magnetically separated.			by:
	-0.8+0.25 fully observed.			Date: June, 1999.
<b>NM</b>				
<b>M6/7</b>	-0.8+0.25 fully observed.			
<b>M4/5</b>	-0.8+0.25 fully observed.			
<b>M1/2/3</b>	Scalp not observed			



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354861**

**ASSESSMENT**

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

**NEGATIVE**

STREAMSED  
25.94 kgs  
356.5 grams  
-1.2+0.25 mm  
-

	%	%	%	
<b>KEY MINERALS</b>	<b>+0.8</b>	<b>+0.4</b>	<b>+0.25</b>	<b>mm BRIEF DESCRIPTION</b>
DIAMOND				
PYROPE				
CHROMITE/CR SPINEL				
CHROME DIOPSIDE				



PICROILMENITE				
PHLOGOPITE				
OTHER				
	%	%	%	Note: The number of key minerals is the <b>absolute number</b> in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction
<b>OTHER MINERALS</b>	<b>+0.8</b>	<b>+0.4</b>	<b>+0.25</b>	<b>mm BRIEF DESCRIPTION</b>
AMPHIBOLE				
ANATASE			Tr	Very rare. Grey-blue, blue, yellow-blue, subhedra, greasy lustre, some quite rounded.
APATITE				
BARITE				
CALCITE				
CASSITERITE				
CORUNDUM			Tr	Very rare. Blue, translucent, rounded, anhedral.
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	100%	85%	Red-brown, yellow-brown, dull, fragmented to more rounded and slightly granular.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE		Tr	15%	Silvery-black sub/anhedra, bright, moderately worn.
KYANITE				
LEUCOXENE		Tr	Tr	Beige, brown, grey, after ilmenite
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE			Tr	Very rare. pale khaki, moderately fresh, lath-like
RUTILE			Tr	Black, strong metallic lustre, very rare.
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE		Tr	Tr	Black-brown, near spherical grains.
XENOTIME				
ZIRCON		Tr	Tr	Colourless/Fe-stained, near spherical.
<b>COMMENTS:</b>	-1.2+0.8 fully observed.			Observed B.G.
	-0.8+0.25 concentrate magnetically separated.			by: Date; June, 1999
	-0.8+0.25 fully observed.			
<b>NM</b>				
<b>M6/7</b>	-0.8+0.25 fully observed.			
<b>M4/5</b>	-0.8+0.25 fully observed.			
<b>M1/2/3</b>	Scalp not observed			



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354862**

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

### NEGATIVE

STREAMSED  
16.16 kgs  
40.0 grams  
-1.2+0.25 mm  
-

	%	%	%	
<b>KEY MINERALS</b>	<b>+0.8</b>	<b>+0.4</b>	<b>+0.25</b>	<b>mm BRIEF DESCRIPTION</b>
DIAMOND				
PYROPE				
CHROMITE/CR SPINEL				

CHROME DIOPSIDE				
PICROILMENITE				
PHLOGOPITE				
OTHER				

% % %

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

<b>OTHER MINERALS</b>	<b>+0.8</b>	<b>+0.4</b>	<b>+0.25</b>	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE					
ANATASE			Tr		Rare. Pale grey-blue, worn, subhedra, quite opaque.
APATITE					
BARITE			Tr		Cream, finely granular, soft, opaque.
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Rare. Colourless, vitreous, worn, transparent.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Dull, red-brown, yellow-brown, earthy.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Platy, silvery-black, moderately worn, others are more rounded, well worn.
KYANITE					
LEUCOXENE			Tr		Rare. Beige, well worn, porcelain-like, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE			Tr		Soft, friable, grey-black, opaque.
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE		Tr	Tr		Pale khaki-brown, moderately fresh jagged laths, translucent.
RUTILE			Tr		Blocky, moderately fresh subhedra, also some well worn reworked grains, cherry red to silvery-black.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			Tr		Black-brown reworked grains.
XENOTIME					
ZIRCON			Tr		Colourless, well worn reworked grains.
<b>COMMENTS:</b>	-1.2+0.8 concentrate fully observed.				Observed L.F.
	-0.8+0.25 concentrate magnetically separated.				by: Date: June, 1999
	-0.8+0.25 fully observed.				
<b>NM</b>					
<b>M6/7</b>	-0.8+0.25 fully observed.				
<b>M4/5</b>	-0.8+0.25 fully observed.				
<b>M1/2/3</b>	Scalp not observed				



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**354863**

**ASSESSMENT**

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed  
Disc No

**NEGATIVE**

STREAMSED  
26.36 kgs  
573.2 grams  
-1.2+0.25 mm  
442

<b>KEY MINERALS</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
	<b>+0.8</b>	<b>+0.4</b>	<b>+0.25</b>		
DIAMOND					
PYROPE					

CHROMITE/CR SPINEL				
CHROME DIOPSIDE				
PICROILMENITE				
PHLOGOPITE				
OTHER				

%      %      %

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

<b>OTHER MINERALS</b>	<b>+0.8</b>	<b>+0.4</b>	<b>+0.25</b>	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE					
ANATASE			Tr		Dark blue-grey, tabular subhedra, moderately fresh, translucent.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Rare. Very pale blue, vitreous, transparent, well worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	80%	30%		Mustard yellow, red-brown, dull earthy fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	45%		Silvery-black, platy to subhedral, moderately worn to well worn, many partly leucoxenised.
KYANITE			Tr		Rare. Moderately worn, colourless, bladed, pearly lustre.
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE	Tr	Tr	Tr		Soft grey-black nodules.
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE		Tr	Tr		See rock fragments below
RUTILE			Tr		Rare. Dark cherry red subhedra, moderately worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare. Pale to dark orange-brown, worn, translucent.
TOURMALINE	Tr	Tr	Tr		well worn reworked grains, black-brown.
XENOTIME					
ZIRCON			Tr		Colourless, Fe-stained, well worn reworked grains.
ROCK FRAGMENTS		20%	25%		Moderately fresh pyroxene aggregates pale khaki brown.
<b>COMMENTS:</b> -1.2+0.8 ¼ split observed. -0.8+0.25 concentrate magnetically separated. -0.8+0.25 fully observed.  <b>NM</b> <b>M6/7</b> -0.8+0.25 fully observed. <b>M4/5</b> -0.8+0.25 fully observed. <b>M1/2/3</b> Scalp not observed					Observed    L.F. by:             Date.    June, 1999