



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332652

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
25.48 kgs  
84.3 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		Tr	Tr		5+ 0.4mm, 3 + 0.25mm, Chromite, dull, grey-black, rounded, subhedral, cokey, fine pitting. Not kimb
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

<b>OTHER MINERALS</b>	% +0.8	% +0.4	% +0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE					
ANATASE					
APATITE					
BARITE	Tr	Tr			White, frosted, tabular, etched.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	40%	20%		Brown, red-brown, rounded, blocky, fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	50%	55%		Silvery-black, tabular, angular, grooved, moderately worn.
KYANITE					
LEUCOXENE	Tr	10%	24%		Brown, cream, green, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	Tr	Tr		Orange-brown, pink, yellow, resinous, rounded.
PREHNITE					
PYROXENE		Tr	Tr		Greenish-brown, fibrous lath.
RUTILE		Tr	Tr		Black-red, cherry-red, elongate, subhedral.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES			Tr		Brassy yellow, fragment.
TOURMALINE	Tr	Tr	Tr		Black, brown, well rounded.
XENOTIME					
ZIRCON		Tr	1%		Brown, colourless, orange, yellow, sub/euhedral.
ROCK FRAGMENTS					
<b>COMMENTS:</b>					Observed by: J.D. Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332653

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
21.54 kgs  
35.5 grams  
-1.2+0.25 mm

KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL		Tr	Tr		3 + 0.4mm, 1 + 0.25mm in ¼ split. The + 0.4 grains are black, dull, blocky, subhedra, bright where fractured; the + 0.25mm grain is dull, well rounded, anhedral, pitted and etched, moderately worn. 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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Rare. Yellow, grey-blue, subhedral, moderately worn.
APATITE					
BARITE		Tr			Rare. 1 + 0.4mm. White, blocky, frosted, etched, moderately worn.
CALCITE					
CASSITERITE			Tr		1 + 0.4mm, yellow/beige, anhedral, moderately worn.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	45%	5%		Yellow-brown, red-brown, dull, pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE	Tr	Tr	Tr		Specular, earthy; also black, platy.
ILMENITE	Tr	55%	90%		Silvery-black, worn.
KYANITE					
LEUCOXENE			5%		Grey-green, beige, brown, porcelain-like, sub/anhedral.
MAGNETITE					
MICA					
MN OXIDE	Tr	Tr	Tr		Grey-black, dull, rounded.
MONAZITE					
PHOSPHATES	Tr	Tr	Tr		Orange-brown, yellow-brown, creamy-brown, cream, grey, dull to resinous opaques.
PREHNITE					
PYROXENE	Tr	Tr	Tr		Yellow-brown, lath-like, moderately worn.
RUTILE		Tr	Tr		Cherry red, black, well worn.
SPHENE					
SPINEL			Tr		1 + 0.25mm. Chrome spinel, black, subhedral, moderately worn.
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	Tr		Black-brown, well rounded.
XENOTIME		Tr	Tr		Rare. Yellow-brown, beige, subhedral, moderately worn.
ZIRCON		Tr	Tr		Yellow-orange-brown, colourless, Fe-stained, well rounded.
ROCK FRAGMENTS					

**COMMENTS:**  
-1.2 +0.4mm, fully observed.  
- 0.4 + 0.25mm, ¼ split observed.

Observed by: B.G.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332654

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
26.90 kgs  
2.2 grams  
-1.2+0.25 mm

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 **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	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Pale blue, blue-grey, translucent, subtranslucent, sub/anhedral, blocky, tabular, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	90%	37%	3%		Brown, anhedral, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		30%	78%		Silvery-black, sub/anhedral, angular, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE		10%	10%		Grey-blue, beige, porcelain-like to dull surface, anhedral, blocky.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Yellow, translucent to subtranslucent, sub/anhedral, tabular, worn.
PHOSPHATES	10%	20%	2%		Brown, orange, pinkish-orange, resinous, opaque, rounded.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Dark cherry red, subtranslucent, anhedral, blocky, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	1%	1%		Brown-black, anhedral, well rounded.
XENOTIME					
ZIRCON		2%	6%		Colourless, pink, yellow, orange, Fe-stained, transparent to subtranslucent, well rounded.
ROCK FRAGMENTS					

## COMMENTS:

Observed by: S.M.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332655

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
22.36 kgs  
1.0 grams  
-1.2+0.25 mm

	%	%	%		
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 **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	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Pale blue, yellow, anhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	97%	80%	25%		Yellow-brown, red-brown, dull, pisolite; also flaky
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	25%		Silvery-black, sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE		8%	40%		Brown, beige, cream, grey-blue, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	3%	8%	Tr		Cream, creamy-brown, pale orange, orange-brown, resinous, opaque.
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare. Cherry red, black, well rolled.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		4%	5%		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	5%		Palest pink, colourless, orange-brown, generally well rounded.
ROCK FRAGMENTS		Tr	Tr		Fe/quartz concretions.

## COMMENTS:

Observed by: B.G.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332656

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

LOAM  
23.60 kgs  
2.8 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					

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		Golden yellow, translucent, anhedral, tabular, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	64%	40%		Brown-black, subangular, blocky, worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	22%	40%		Silvery-black, sub/anhedral, subangular, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE		10%	20%		Beige, greyish-green, porcelain, dull, blocky, worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	3%	Tr		Orange, brown, resinous, opaque, rounded.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden-brown, transparent, blocky, slightly worn.
SULPHIDES					
TOURMALINE		1%	Tr		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					

### COMMENTS:

Observed by: S.M.  
Date: July, 1996



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332657

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
20.46 kgs  
763.0 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		Blue, yellow, translucent, sub/anhedral, blocky, tabular, moderately fresh to moderately worn.
APATITE			Tr		Colourless, transparent, subhedral, prismatic, slightly worn.
BARITE	Tr	Tr	Tr		Colourless, translucent to opaque, anhedral, blocky, moderately worn.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	42%	3%		Yellow-brown, reddish-brown, subangular, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		55%	95%		Silvery-black, sub/anhedral, subangular, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE	Tr	3%	2%		Beige, tan, greyish, blocky, rounded, worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	Tr	Tr		Orange, orange-brown, opaque, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Dark cherry red, subtranslucent, anhedral, rounded.
SPHENE		Tr			Honey, subtranslucent, anhedral, blocky, moderately worn.
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			Tr		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, yellow, orange, Fe-stained, transparent, translucent, rounded.
ROCK FRAGMENTS					

**COMMENTS:** Conc Mag separated  
N/M fully observed  
M 6/7 1/16 split observed.  
M 4/5, 1/128 split observed.

Observed by: S.M.  
Date: July, 1996



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332658

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
24.16 kgs  
438.0 grams  
-1.2+0.25 mm

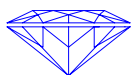
KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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		Blue-green, opaque, subhedral. Rare
APATITE					
BARITE	Tr	Tr			White, frosted, tabular, blocky, etched.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	20%	Tr		Brown, red-brown, rounded, earthy, fractured.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	55%	60%		Silvery-black, dull black, sub/anhedral, grooved.
KYANITE			Tr		Colourless, transparent, tabular.
LEUCOXENE		25%	35%		Brown, cream, beige, green, blocky, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, black, opaque, tabular, elongate, rounded. Rare.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			5%		Brown, black, transparent to opaque, rounded.
XENOTIME					
ZIRCON			Tr		Orange, colourless, yellow, well rounded.
ROCK FRAGMENTS					

**COMMENTS:**  
+ 0.8mm, fully observed.  
+ 0.4mm, ½ split observed  
(+ 0.25mm has been Mag separated.  
(N/M fully observed.  
(M 4/5, 1/64 split observed  
(M 6/7, 1/8 split observed.

Observed J.D.  
by: July, 1996  
Date:



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332659

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
20.38 kgs  
73.0 grams  
-1.2+0.25 mm

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

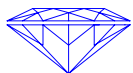
Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Golden yellow, green-blue, translucent, subhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	30%	10%		Brown, red-brown, rounded, fractured.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	65%	80%		Silvery-black, dull, tabular, angular, subhedral, moderately worn.
KYANITE					
LEUCOXENE		5%	10%		Brown, cream, grey, green, angular, blocky, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Brown, cream, orange, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, translucent, subhedral.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	Tr		Black, brown, grey-blue, blue, well rounded.
XENOTIME					
ZIRCON			Tr		Red-brown, translucent, subhedral.
ROCK FRAGMENTS					

**COMMENTS:** + 0.8mm, fully observed.  
+ 0.25mm, ½ split observed.

Observed by: J.D.  
Date: July, 1996.





DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332660

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
23.32 kgs  
112.9 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					

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	Tr	Tr	Tr		White, yellow, frosted, blocky, surface striate, etched.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	35%	5%		Brown, red-brown, well rounded, earthy fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	60%	70%		Silvery-black, tabular, blocky, angular, grooved.
KYANITE					
LEUCOXENE		5%	25%		Beige, brown, green, cream angular.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange, cream, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE	Tr				Cherry red, opaque, elongate. Rare.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	Tr		Black, brown, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Orange, colourless, yellow, rounded, subhedral.
ROCK FRAGMENTS					

**COMMENTS:** + 0.8mm, + 0.4mm, fully observed  
¼ split + 0.25mm observed.

Observed J.D.  
by: July, 1996.  
Date:



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332661

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## POSS KIMB

STREAMSED  
23.12 kgs  
396.9 grams  
-1.2+0.25 mm

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		1 + 0.25mm, black, anhedral, well rounded. Poss 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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Blue-yellow, subtranslucent, sub/anhedral, blocky, tabular, slightly to moderately worn.
APATITE					
BARITE		Tr	Tr		Colourless, subtranslucent, opaque, anhedral, blocky, moderately worn.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	97%	6%	1%		Yellow-brown, brown, dull, anhedral, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	3%	90%	95%		Silvery-black, sub/anhedral, subangular, tabular, blocky, moderately worn
KYANITE					
LEUCOXENE		4%	4%		Beige, greyish, anhedral, dull to porcelain, blocky, worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Yellow, transparent, sub/anhedral, tabular, moderately worn.
PHOSPHATES	Tr	Tr	Tr		Orange, brown, resinous, opaque, rounded.
PREHNITE					
PYROXENE					
RUTILE			Tr		Dark cherry red, subtranslucent, anhedral, blocky, worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			Tr		Brown-black, anhedral, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, orange, Fe-stained, anhedral, well rounded.
ROCK FRAGMENTS					

**COMMENTS:** Conc Mag Separated  
M 6/7 + 0.8mm, ½ split observed.  
+ 0.4mm, fully observed.  
+ 0.25mm, 1/16 split observed.  
N/M Fully observed.  
M 4/5 1/16 split observed.

Observed by: S.M.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332662

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
25.06 kgs  
39.0 grams  
-1.2+0.25 mm

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

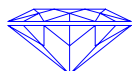
% % %

Note: The number of key minerals is the **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	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Blue, yellow, transparent, translucent, sub/anhydral, blocky, tabular, slightly to moderately worn.
APATITE					
BARITE		Tr	Tr		Colourless, opaque, translucent, anhydral, blocky, moderately worn.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	47%	Tr		Brown, reddish-brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		50%	92%		Silvery-black, sub/anhydral, subangular, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE		3%	7%		Beige, brown, dull to porcelain-like lustre, subangular, blocky, rounded.
MAGNETITE					
MICA			Tr		Brown, translucent, anhydral flake.
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE		Tr			Golden brown, translucent, anhydral, blocky, worn.
SULPHIDES					
TOURMALINE			1%		Brown-black, anhydral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, Fe-stained, anhydral, well rounded.
ROCK FRAGMENTS					

COMMENTS: + 0.25mm, ¼ split observed.

Observed S.M.  
by: July, 1996.  
Date:



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

## HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332663

### ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

### NEGATIVE

STREAMSED  
20.36 kgs  
6.0 grams  
-1.2+0.25 mm

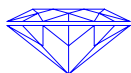
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Blue-green, translucent, subhedral, tabular.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	84%	41%		Yellow-brown, light brown, anhedral, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	5%	40%		Silvery-black, sub/anhedral, subangular, tabular, moderately worn.
KYANITE					
LEUCOXENE		10%	15%		Beige, greenish-grey, anhedral, blocky, worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		1%	1%		Brown, orange-brown, resinous, opaque, rounded.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr		1%		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON			2%		Colourless, Fe-stained, sub/anhedral, prismatic, moderately worn to well rounded.
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

**COMMENTS:**

Observed S.M.  
by: July, 1996  
Date:



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**332664**

**ASSESSMENT**

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

**NEGATIVE**

STREAMSED  
20.42 kgs  
69.0 grams  
-1.2+0.25 mm

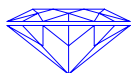
<b>KEY MINERALS</b>	% +0.8	% +0.4	% +0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

<b>OTHER MINERALS</b>	% +0.8	% +0.4	% +0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE					
ANATASE			Tr		Golden-yellow, grey-blue, sub/anhedra.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	80%	15%		Yellow-brown, red-brown, dull pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		20%	75%		Silvery-black, sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE		Tr	10%		Grey-green, beige, brown, tan, sub/anhedra, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Orange, cream, creamy-brown, resinous phosphates.
PREHNITE					
PYROXENE					
RUTILE			Tr		Orange-red, cherry red, black, generally worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, orange, sub/anhedra, moderately worn.
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

**COMMENTS:**

 Observed  
by:  
Date:

 B.G.  
July, 1996.

 DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**
**332665**
**ASSESSMENT**

 Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

**NEGATIVE**

 STREAMSED  
18.52 kgs  
101.0 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					

<b>OTHER MINERALS</b>	% +0.8	% +0.4	% +0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE					
ANATASE			Tr		Pale grey-blue, some tabular subhedra, moderately worn.
APATITE					
BARITE			Tr		Cream, fine sugary aggregates, opaque.
CALCITE					
CASSITERITE			Tr		Worn, rare, palest orange/colourless.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	40%		Yellow-brown, pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	5%	50%		Silvery-black, worn subhedra.
KYANITE					
LEUCOXENE			Tr		After ilmenite, beige to blue-grey, porcelain-like, worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Resinous, near spherical red-orange.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Dark cherry red, worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	10%		Near spherical, black-brown grains.
XENOTIME					
ZIRCON			Tr		Colourless, near spherical.
ANDALUSITE			Tr		Colourless to slightly Fe-stained, worn.
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

**COMMENTS:**

 Observed  
by:  
Date:

 L.F.  
July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332666

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
15.94 kgs  
32.4 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	Tr		Rare. Grey-blue sub/anhedra, moderately worn.
APATITE					
BARITE		Tr	Tr		Colourless, tabular, frosted, etched, moderately worn.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	75%	15%		Yellow-brown, red-brown, dull pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		20%	60%		Silvery-black, sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE	Tr	5%	25%		Cream, beige, brown, grey-blue, sub/anhedra, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange, creamy-brown, cream, resinous, opaque.
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare. Orange-red, black, generally worn.
SPHENE					
SPINEL					
STAUROLITE		Tr			1 + 0.4mm. Orange-brown, blocky, moderately worn.
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Fe-stained, red-brown, orange, colourless, palest pink, well rounded.
ROCK FRAGMENTS					

## COMMENTS:

Observed by: B.G.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332667

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
20.12 kgs  
253.1 grams  
-2.0+0.20 mm

KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr	1 + 0.25mm	brownish-black, well rounded. 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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Blue, yellow, translucent to opaque, tabular to blocky, slightly worn to worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM		Tr			Blue, transparent, anhedral, subangular, worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	99%	51%		Yellow-brown, brown, dull, anhedral, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		1%	15%		Silvery-black, sub/anhedral, subangular, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE			30%		Creamy, beige, sub/anhedral, subangular, tabular, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Orange, opaque, resinous, well rounded.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Dark cherry red, subtranslucent, blocky, worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden brown, transparent, anhedral, blocky, moderately worn.
SULPHIDES					
TOURMALINE		Tr	3%		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON		Tr	1%		Colourless, pink, brown, subhedral, prismatic, moderately worn to anhedral well rounded.
ROCK FRAGMENTS					

**COMMENTS:** +0.8mm, ¼ split observed.  
+0.4mm, fully observed.  
+ 0.25mm, ½ split observed.  
\*The -2.0+1.2mm was fully observed.  
\*The -0.25+0.20mm was observed for diamonds only.

Observed S.M.  
by: July, 1996  
Date:





DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332668

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## POSS KIMB

STREAMSED  
22.00 kgs  
238.3 grams  
-1.2+0.25 mm

KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL		Tr	Tr		1 + 0.4mm, 2 + 0.25mm, black, dull, anhedral, well rounded, fine, cokey surfaces. Poss kimb
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Rare. Grey-blue, grey, yellow, sub/anhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		1 + 0.25mm, blue/colourless fragment, moderately worn.
FE OXIDE/HYDROXIDE	100%	35%	13%		Yellow-brown, red-brown, dull pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	55%	60%		Silvery-black sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE	Tr	10%	22%		Grey-blue, beige, brown sub/anhedra, porcelain-like, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Cream, orange, orange-brown, resinous opaques.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Cherry red, black, generally worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare. Orange-brown, subangular, moderately worn.
SULPHIDES					
TOURMALINE	Tr	Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	5%		Orange, colourless, yellow, well rounded.
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

**COMMENTS:** NM fully observed.  
M 6/7 fully observed.  
M 4/ 5 - 1.2 +0.4mm, fully observed  
- 0.4mm + 0.25mm, 1/32 split observed.

Observed by: B.G.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**332669**

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
25.18 kgs  
1340.9 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>	% +0.8	% +0.4	% +0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE					
ANATASE			Tr		Ice blue, blue-grey, tabular, subhedral. Rare.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	15%	Tr		Brown, red-brown, rounded, fractured.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	55%	60%		Silvery-black, tabular, blocky, grooved, moderately worn.
KYANITE					
LEUCOXENE		30%	40%		Brown, green, cream, beige, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Red-brown, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE			Tr		Red-black, opaque, tabular, subhedral.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black, brown, pale orange, green, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, orange, translucent, rounded.
ROCK FRAGMENTS					

**COMMENTS:** Sample has been mag separated.  
N/M Fully observed  
1/16 split, M 6/7 observed.  
1/64 split, M 4/5 observed

Observed by: J.D.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332670

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
22.76 kgs  
189.7 grams  
-1.2+0.25 mm

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 **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	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Grey-blue, yellow, sub/anhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	25%	10%		Orange-brown, red-brown, dull, pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	65%	45%		Silvery-black, sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE		10%	45%		Tan, beige, grey-green, brown, sub/anhedra, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange-brown, creamy brown, resinous opaques.
PREHNITE					
PYROXENE					
RUTILE	Tr	Tr	Tr		Rare. Black, worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, orange-brown, well rounded.
ROCK FRAGMENTS					

**COMMENTS:** Sample has been Mag separated, NM fully observed.  
M 6/7 -1.2 + 0.4 fully observed.  
- 0.4 + 0.25mm, ¼ split observed.  
M 4/5 - 1.2 + 0.8mm, fully observed.  
- 0.8 + 0.4mm, ¼ split observed.  
- 0.4 + 0.25mm, 1/16 split observed.

Observed by: B.G.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332671

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
27.02 kgs  
743.8 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					

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		Blue, translucent, sub/anhedral, tabular; slightly worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	10%	15%	6%		Yellow-brown, brown, dull, subangular, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	75%	90%		Silvery-black, subangular, blocky, tabular, moderately worn.
KYANITE					
LEUCOXENE		10%	4%		Beige, brown, grey, blocky, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Brown, orange-brown, resinous, opaque, rounded.
PREHNITE					
PYROXENE					
RUTILE			Tr		Orange-brown, red, subtranslucent, anhedral, Blocky.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			Tr		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, pink, transparent, anhedral, well rounded.
ROCK FRAGMENTS					

**COMMENTS:**

- + 0.8mm, fully observed.
- 0.8, + 0.25mm, Mag separated.
- 0.8, + 0.25mm, N/M fully observed.
- + 0.4mm, M 6/7, ½ split observed.
- + 0.25mm, M 6/7, 1/8split observed.
- 0.8mm, + 0.25mm, M 4/5, 1/64 split observed.

Observed by: S.M.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332672

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
23.38 kgs  
386.5 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					

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a 1/2 split) is 2 grains in a 1/2 split of the +0.25mm fraction

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE		Tr	Tr		Blue-grey, golden yellow, tabular, translucent.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	55%	25%		Brown, red-brown, rounded, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	35%	40%		Silvery-black, tabular, angular, grooved, moderately worn.
KYANITE					
LEUCOXENE		10%	35%		Brown, grey, cream, blocky, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Orange-red, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Brown, black, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, transparent, rounded.
ROCK FRAGMENTS					

**COMMENTS:** + 0.8, + 0.4mm, fully observed.  
1/8 split, + 0.25 observed.

Observed by: J.D.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332673

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
20.62 kgs  
459.8 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		

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					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Colourless/blue, blocky, black inclusions.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	55%	20%		Brown, red-brown, rounded, fractured fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	45%	55%		Silvery-black, tabular, blocky, subhedral, moderately worn.
KYANITE					
LEUCOXENE		Tr	25%		Beige, green, brown, blocky, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Red-brown, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE		Tr			Black-red, silvery-black, sub/anhydral, opaque.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr			Black, brown, well rounded.
XENOTIME					
ZIRCON	Tr	Tr	Tr		Colourless, orange, brown, rounded, subhedral.
ROCK FRAGMENTS					

**COMMENTS:** + 0.8mm, + 0.4mm, fully observed.  
+ 0.25mm, ½ split observed.

Observed J.D.  
by: July, 1996.  
Date:



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332674

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
24.08 kgs  
66.2 grams  
-2.0+0.20 mm

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					
ANATASE			Tr		Golden, translucent, subhedral, tabular, moderately worn. Rare.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	96%	43%		Yellow-brown, brown, subangular, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	3%	25%		Silvery-black, sub/anhedral, subangular, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE			30%		Beige, brown, porcelain surface, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Brown, orange-brown, resinous, opaque, rounded.
PREHNITE					
PYROXENE					
RUTILE	Tr	Tr	Tr		Dark cherry red, subtranslucent, blocky, rounded.
SPHENE					
SPINEL					
STAUROLITE		Tr			Brown, translucent, anhedral, worn.
SULPHIDES					
TOURMALINE		1%	2%		Brown-black, anhedral, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, pink, sub/anhedral, rounded, moderately worn.
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

**COMMENTS:** + 0.8mm. + 0.4mm, fully observed  
+ 0.25mm, ½ split observed.  
Remaining ½ split + 0.25mm, MAG separated and observed.  
\*The -2.0+1.2mm was fully observed  
\*The -0.25 + 0.20mm was observed for diamond only

Observed by: S.M.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332675

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## PROB KIMB

STREAMSED  
22.18 kgs  
81.2 grams  
-1.2+0.20 mm

KEY MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		1+0.25mm, 3 +0.20mm (in a 1/8 <sup>th</sup> split of the 0.20mm), dull, rounded, friable
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Golden, translucent, anhedral, blocky, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	48%	2%		Brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	20%	61%		Silvery-black, sub/anhedral, subangular, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE		30%	35%		Beige-brown, porcelain-like surface, subangular, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden-brown, transparent, angular, moderately worn.
SULPHIDES					
TOURMALINE		2%	2%		Brown, black, anhedral, well rounded.
XENOTIME					
ZIRCON					
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 1/2 split) is 2 grains in a 1/2 split of the +0.25mm fraction

**COMMENTS:** -1.2+0.25mm fully observed  
-0.25+0.20mm 1/8 observed

Observed by: S.M./BG  
Date: July/Nov 1996.





DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332676

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## POSITIVE

STREAMSED  
22.68 kgs  
53.8 grams  
-2.0+0.20 mm

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND			Tr		1 + 0.25mm, off-white, irregular, cleaved fragment, finely frosted, hummocky surface, inclusion free.
PYROPE					
CHROMITE/CR SPINEL			Tr		5 + 0.25mm, 15 + 0.20mm, black, dull anhedral, well rounded, fine, cokey surfaces. (4+0.25mm considered poss kimb 7+0.20mm considered poss kimb)
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		2 + 0.25mm, pale blue, translucent, subangular, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	70%	25%		Yellow-brown, red-brown, dull pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		15%	35%		Silvery-black, sub/anhedra, moderately worn.
KYANITE		Tr	Tr		Rare. Colourless, Fe-stained, bladed, moderately worn.
LEUCOXENE		Tr	5%		Grey-blue, beige, brown, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Orange, resinous opaques.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare. Orange-red, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		15%	35%		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, orange, well rounded.
ROCK FRAGMENTS					
<b>COMMENTS:</b> *-2.0+1.2mm fully observed *-0.25+0.20mm observed for diamond only. Some chromite (15) were selected for probing					Observed by: B.G. Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332677

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
20.14 kgs  
140.4 grams  
-2.0+0.20 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Ice blue, grey-blue, translucent, opaque, tabular, rounded.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	65%	5%		Brown, red-brown, rounded, blocky, angular.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	30%	45%		Silvery-black, tabular, angular, grooved, moderately worn.
KYANITE					
LEUCOXENE		Tr	40%		Cream, beige, grey, opaque, blocky, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Cream-brown, orange-red, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE		Tr			Black, cherry red, tabular, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	5%	10%		Black, brown, blue-green, well rounded.
XENOTIME					
ZIRCON			Tr		Orange-red, colourless, brown, well rounded.
ROCK FRAGMENTS					
COMMENTS: *-2.0+1.2mm fully observed *-0.25+0.20 observed for diamonds only					Observed by: J.D. Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332678

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
21.60 kgs  
90.4 grams  
-1.2+0.25 mm

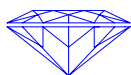
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a 1/2 split) is 2 grains in a 1/2 split of the +0.25mm fraction

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Golden, translucent, transparent, sub/anhedral, blocky, tabular, slightly to moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	65%	5%		Brown, dull, blocky, subangular, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	15%	80%		Silvery-black, sub/anhedral, subangular, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE		20%	15%		Beige, brown, greyish, subangular, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, some Fe-stained, anhedral, well rounded.
ROCK FRAGMENTS					

**COMMENTS:** + 0.8mm, + 0.4mm fully observed.  
+ 0.25mm, 1/8 split observed.  
+ 0.25mm, 7/8 split MAG separated and N/M fraction observed.

Observed by: S.M.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332679

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## POSS KIMB

STREAMSED  
22.82 kgs  
90.9 grams  
-2.0+0.20 mm

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		1 + 0.25mm, 6 + 0.20mm black, dull, anhedral, well rounded, fine, cokey surface. (1+0.25mm poss kimb 6+0.20mm poss kimb)
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

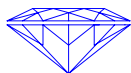
OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Blue/yellow, golden yellow, grey-blue, sub/anhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	65%	50%		Yellow-brown, red-brown, dull pisolites.
GARNET			Tr		2 + 0.25mm, almandine. Pale pink, rounded, moderately worn.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	20%	30%		Silvery-black, sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, grey-blue, brown, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Creamy brown, red-brown, resinous, opaque.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Rare. Orange-red, worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	15%	20%		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, orange, well rounded.
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

### COMMENTS:

\*The -2.0+1.2mm was fully observed  
\*The -0.25+0.20mm was observed for diamond only. A few chromite (6) were selected for probing.

Observed by: B.G.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332680

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
23.88 kgs  
362.2 grams  
-1.2+0.25 mm

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 **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	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Blue, golden yellow, translucent, subhedral, slightly to moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	50%	20%		Yellow-brown, reddish-brown, subangular, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		47%	75%		Silvery-black, anhedral, subangular, blocky, moderately worn.
KYANITE					
LEUCOXENE		3%	5%		Beige, greyish, dull to porcelain surface, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, some Fe-staining, anhedral, rounded.
ROCK FRAGMENTS					

**COMMENTS:**  
- 0.8mm + 0.25mm, conc Mag separated.  
+ 0.4mm, + 0.25mm N/M fully observed  
+ 0.4mm, M 6/7 fully observed  
+ 0.25mm, M 6/7 ½ split observed.  
+ 0.4mm, M 4/5 fully observed.  
+ 0.25mm, M 4/5, 1/16 split observed.  
+ 0.8mm, ¼ split observed.

Observed S.M.  
by: July, 1996.  
Date:



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332681

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
23.02 kgs  
485.5 grams  
-2.0+0.20 mm

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 **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	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Creamy beige, opaque, subhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	95%	70%	40%		Brown, red-brown, rounded, blocky, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	5%	30%	50%		Silvery-black, tabular, angular, subhedral.
KYANITE					
LEUCOXENE		Tr	Tr		Brown, cream, grey, green, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange-brown, resinous, rounded. Rare.
PREHNITE					
PYROXENE					
RUTILE			Tr		Red-brown, tabular, elongate, translucent.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	10%		Black, brown, blue, green, well rounded.
XENOTIME					
ZIRCON			Tr		Orange, red-brown, colourless, rounded, subhedral.
ROCK FRAGMENTS					

**COMMENTS:** \*The -2.0+1.2mm fully observed  
\*The -0.25+0.20mm observed for diamonds only

Observed J.D.  
by: July, 1996.  
Date:



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332682

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## POSS KIMB

STREAMSED  
23.12 kgs  
191.6 grams  
-2.0+0.20 mm

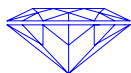
<b>KEY MINERALS</b>	% +0.8	% +0.4	% +0.25	<b>BRIEF DESCRIPTION</b>
DIAMOND				
PYROPE				
CHROMITE/CR SPINEL			Tr	1 + 0.25mm. Black, dull subhedron, bright where broken, moderately worn. (1+0.25mm poss kimb)
CHROME DIOPSIDE				
PICROILMENITE				
PHLOGOPITE				
OTHER				

<b>OTHER MINERALS</b>	% +0.8	% +0.4	% +0.25	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE				
ANATASE			Tr	Grey-blue, pale yellow, sub/anhedra, moderately worn.
APATITE				
BARITE				
CALCITE				
CASSITERITE				
CORUNDUM				
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	100%	60%	Yellow-brown, red-brown, dull pisolites.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE			10%	Silvery-black, sub/anhedra, moderately worn.
KYANITE				
LEUCOXENE		Tr	15%	Grey-blue, grey-green, beige, brown, porcelain-like.
MAGNETITE				
MICA				
MN OXIDE		Tr	Tr	Dull grey-black, blocky.
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE		Tr	Tr	Cherry red, black, sub/anhedra, generally well rolled.
SPHENE				
SPINEL				
STAUROLITE		Tr		Rare. Orange-brown, blocky, moderately worn.
SULPHIDES				
TOURMALINE		Tr	15%	Black-brown, well rounded.
XENOTIME				
ZIRCON			Tr	Orange-red, palest pink, orange-brown, sub/anhedra, moderately worn.
PHOSOPHATES	Tr	Tr	Tr	Orange, cream, grey, resinous, opaque.
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

**COMMENTS:** \*The -2.0+1.2mm fully observed  
\*The-0.25+0.20mm observed for diamonds only

Observed by: B.G.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332683

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## POSS KIMB

STREAMSED  
22.48 kgs  
59.0 grams  
-1.2+0.25 mm

KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr	1 + 0.25mm	black, subhedral, worn. Poss 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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			1%		Yellow, golden, subtranslucent, sub/anhedral, blocky, tabular, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Blue, transparent, anhedral, tabular, worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	92%	84%		Yellow-brown, reddish-brown, dull, subangular, blocky, rounded.
GARNET			Tr		Almandine, pink, transparent, angular, moderately worn.
GOLD					
GORCEIXITE					
HAEMATITE		Tr	Tr		Black, specular, anhedral, blocky, worn.
ILMENITE		3%	5%		Silvery-black, anhedral, subangular, tabular, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Orange, opaque, resinous, anhedral, well rounded.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		5%	10%		Brown-black, rare green, anhedral, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Yellow-orange, brown, eu/subhedral, translucent, opaque, slightly to moderately worn, Fe-stained, colourless, pink, transparent, anhedral, well rounded.
ROCK FRAGMENTS					

### COMMENTS:

Observed by: S.M.  
Date: July, 1996.





DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332684

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
17.68 kgs  
142.2 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			Tr		Grey-blue sub/anhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	99%		Yellow-brown, red-brown, dull pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA			Tr		4 + 0.25mm, grey, brown, flaky.
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Rare. Yellow-orange, resinous opaques.
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare. Cherry-red, generally well rolled.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	1%		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Fe-stained, colourless, orange, well rounded anhedra.
ROCK FRAGMENTS					

## COMMENTS:

Observed by: B.G.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332685

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
22.72 kgs  
81.0 grams  
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Grey-blue, beige, golden yellow, translucent to subtranslucent, sub/anhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		1 + 0.25mm, mauve-blue, transparent, anhedral, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	80%		Yellow-brown, red-brown, dull pisolites.
GARNET		Tr			1 + 0.4mm.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	15%		Silvery-black, sub/anhedral, moderately worn.
KYANITE					
LEUCOXENE		Tr	1%		Grey-blue, beige, grey-green, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	Tr	Tr		Cream, orange, creamy-brown, resinous opaques.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Rare. Cherry red, black, generally anhedral, moderately worn to worn.
SPHENE					
SPINEL					
STAUROLITE		Tr			Rare. 1 + 0.4mm, orange-brown, blocky, moderately worn.
SULPHIDES					
TOURMALINE		Tr	4%		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Fe-stained, orange, colourless, palest pink, sub/anhedral, commonly well rounded.
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

## COMMENTS:

Observed by: B.G.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332686

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
23.94 kgs  
18.0 grams  
-2.0+0.20 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		Golden yellow, opaque, subhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	90%	10%		Brown, rounded, fractured fragments.
GARNET		Tr	Tr		Almandine - candy pink, rounded.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		5%	30%		Silvery-black, tabular, angular, grooved.
KYANITE					
LEUCOXENE			20%		Cream, beige, brown, opaque, blocky, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		5%	40%		Brown, black, well rounded.
XENOTIME					
ZIRCON			Tr		Orange, colourless, rounded.
ROCK FRAGMENTS					

### COMMENTS:

\*The -2.0+1.2mm was fully observed  
\*The -0.25+0.20mm was observed for diamonds only

Observed by: J.D.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332687

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
26.44 kgs  
23.2 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					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		

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					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	97%	50%		Reddish-brown, brown, dull, subangular, blocky, rounded.
GARNET			Tr		Almandine - pale pink, anhedral, blocky, worn, contains Mg.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE					
KYANITE					
LEUCOXENE			20%		Creamy, beige, dull, blocky, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		3%	30%		Greenish-brown, brown-black, anhedral, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, transparent, anhedral, well rounded.
ROCK FRAGMENTS					

## COMMENTS:

Observed by: S.M.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332688

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
19.42 kgs  
85.9 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					

% % %

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	Tr		Silvery-green, blue, opaque, tabular, rounded.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	55%		Brown, red-brown, rounded, earthy fragments.
GARNET			Tr		Almandine - pale pink, rounded.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	5%		Silvery-black, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE		Tr	5%		Cream, grey, tabular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Black-red, cherry red, opaque, elongate, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	35%		Black, brown, green, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, orange, rounded.
ROCK FRAGMENTS					

## COMMENTS:

Observed by: J.D.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**332689**

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
26.82 kgs  
35.0 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	Tr		Silvery-grey, honey brown, blue-grey, black, well rounded, opaque, subhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	40%		Brown, red-brown, rounded, worn.
GARNET			Tr		Almandine - pale pink, rounded. Low Mg.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	20%		Silvery-black, tabular, angular, grooved, moderately worn.
KYANITE					
LEUCOXENE		2%	15%		Brown, beige, cream, rounded, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr			Black-red, cherry red, sub/anhdral, opaque.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		3%	25%		Black, brown, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, black, brown, rounded.
ROCK FRAGMENTS					

## COMMENTS:

Observed by: J.D.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332690

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
21.58 kgs  
70.0 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		Blue-grey, ice blue, rounded, opaque, subhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Reddish-pink, blocky.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	98%	30%		Brown, red-brown, rounded, blocky, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		1%	25%		Silvery-black, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE		Tr	40%		Grey, cream, brown, blocky, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Cream, resinous, rounded. Rare.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Black, cherry red, sub/anhedral, opaque.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange, frosted, rounded.
SULPHIDES			Tr		Chalcopyrite - blocky, brassy tarnish.
TOURMALINE		1%	3%		Black-brown, pale orange, well rounded.
XENOTIME					
ZIRCON		Tr	2%		Colourless, orange-brown, some Fe-stained, rounded.
ROCK FRAGMENTS					

## COMMENTS:

Observed by: J.D.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332691

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
20.70 kgs  
34.8 grams  
-1.2+0.25 mm

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					
ANATASE			Tr		Golden, pale blue, transparent, subtranslucent, sub/anhydral, blocky, tabular, moderately fresh to moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	80%		Yellow-brown, reddish-brown, dull, subangular, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE		Tr	Tr		Black, specular, anhydral, worn.
ILMENITE		Tr	5%		Silvery-black, sub/anhydral, subangular, blocky, moderately worn.
KYANITE					
LEUCOXENE		Tr	10%		Creamy, beige, brown, dull to porcelain surface, blocky, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Dark cherry red, subtranslucent, anhydral, blocky, worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden brown, transparent, anhydral, well worn.
SULPHIDES					
TOURMALINE		Tr	5%		Brown-black, anhydral, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, orange, Fe-stained, transparent, well rounded.
ROCK FRAGMENTS					
COMMENTS:					Observed by: S.M. Date: July, 1996.





DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332692

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
26.18 kgs  
60.8 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					
APATITE					
BARITE			Tr		Colourless, translucent, anhedral, tabular, worn.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	87%		Yellow-brown, reddish-brown, dull, subangular, blocky, rounded.
GARNET			Tr		Rare, Almandine - pale pink, transparent, blocky, worn.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			2%		Silvery-black, anhedral, subangular, blocky, moderately worn.
KYANITE					
LEUCOXENE			8%		Beige, brown, blocky, rounded, dull to porcelain surface.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange-brown, brown, resinous, opaque, rounded.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Dark cherry red, subtranslucent, anhedral, blocky, worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden brown, transparent, anhedral, blocky, tabular, worn.
SULPHIDES					
TOURMALINE			3%		Brown-black, anhedral, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, pink, orange, Fe-stained, transparent to opaque, anhedral, well rounded.
ROCK FRAGMENTS					
COMMENTS:					Observed by: S.M. Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332693

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
20.72 kgs  
201.5 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					

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	Tr		Yellow, ice blue, blue-black, opaque, rounded.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Colourless, blocky, transparent. Rare.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	99%	68%		Brown, red-brown, rounded, blocky, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	10%		Silvery-black, angular.
KYANITE			Tr		Colourless, tabular, rounded.
LEUCOXENE		Tr	2%		Beige, cream, brown, grey, opaque, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Honey brown, red-brown, resinous, rounded. Rare.
PREHNITE					
PYROXENE					
RUTILE			Tr		Black, red-black, tabular, elongate, rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, rounded, frosted. Rare.
SULPHIDES					
TOURMALINE		1%	20%		Brown, black, green, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, red-brown, orange, pale pink, yellow, rounded.
ROCK FRAGMENTS					

## COMMENTS:

Observed by: J.D.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**332694**

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
21.72 kgs  
180.0 grams  
-2.0+0.20 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		Golden, blue, translucent, sub/anhedral, blocky, tabular, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Lilac blue, translucent, anhedral, blocky, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	96%	94%		Yellow-brown, red-brown, subangular, blocky, rounded, worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Black, anhedral, subangular, blocky, moderately worn.
KYANITE					
LEUCOXENE		1%	2%		Greyish, beige, anhedral, blocky, worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Creamy, greyish-beige, resinous, opaque, rounded.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Orange, reddish-orange, red, translucent, blocky, rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Brown, transparent, anhedral, blocky, worn.
SULPHIDES					
TOURMALINE		3%	4%		Brown-black, anhedral, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, Fe-stained, anhedral, well rounded.
ROCK FRAGMENTS					

### COMMENTS:

\*The -2.0+1.2mm was fully observed  
\*The -0.25 + 0.20mm was observed for diamonds only

Observed by: S.M.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332695

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
23.32 kgs  
117.5 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					

% % %

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		Grey-blue, golden yellow, creamy beige, opaque, rounded, subhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Colourless/blue, blocky, subhedral, transparent.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	55%		Brown, red-brown, rounded, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	30%		Silvery-black, tabular, blocky, grooved.
KYANITE			Tr		Colourless, tabular.
LEUCOXENE		Tr	Tr		Beige, brown, grey-green, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, black, elongate, rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange, frosted, anhedral. Rare.
SULPHIDES					
TOURMALINE		Tr	15%		Brown, black, green, transparent to opaque, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, orange, honey brown, pale pink, rounded, subhedral, some metamict.
ANDALUSITE			Tr		Pale pink, transparent, rounded.
ROCK FRAGMENTS					
COMMENTS:					Observed by: J.D. Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332696

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
24.30 kgs  
190.3 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			2%		Pale yellow, beige, subtranslucent, subhedral, slightly to moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Blue, transparent, anhedral flake, worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	85%		Yellow-brown, red-brown, brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	10%		Silvery-black, anhedral, blocky, rounded.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Brown, transparent, anhedral, blocky, moderately worn.
SULPHIDES					
TOURMALINE		Tr	3%		Brown-black, anhedral, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, Fe-stained, anhedral, well rounded.
ROCK FRAGMENTS					

## COMMENTS:

Observed by: S.M.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**332697**

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
22.84 kgs  
30.0 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	Tr		Grey-blue, creamy-beige, opaque, tabular, subtranslucent, subhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Colourless, black inclusions, subhedral.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	60%		Brown, red-brown, rounded, blocky, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	15%		Silvery-black, tabular, angular, grooved.
KYANITE			Tr		Rare. Colourless, tabular.
LEUCOXENE		Tr	10%		Beige, brown, opaque, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Cream, orange-brown, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, frosted, rounded. Rare.
SULPHIDES					
TOURMALINE		Tr	15%		Brown, black, orange, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, yellow, rounded, subhedral.
ROCK FRAGMENTS					

## COMMENTS:

Observed by: J.D.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332698

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## POSS KIMB

STREAMSED  
19.02 kgs  
140.9 grams  
-1.2+0.25 mm

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		2 + 0.25mm. Black, dull, anhedral, one has pitted surface, well rounded. (1+0.25mm poss kimb 1+0.25mm 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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Pale yellow, beige, sub/anhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	95%		Red-brown, yellow-brown, dull, pisolitic.
GARNET			Tr		2 + 0.25mm. Almandine. Pale pink, rounded, moderately worn.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	2%		Silvery-black sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Grey-green, beige, brown, sub/anhedra, dull to porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	3%		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, well rounded.
Al SILICATES			Tr		Colourless, tabular, moderately worn.
ROCK FRAGMENTS					

### COMMENTS:

Observed by: B.G.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332699

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
20.82 kgs  
46.8 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					

% % %

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		Golden, blue, translucent, sub/anhedral, tabular, blocky, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		Yellow-green, subtranslucent, anhedral, blocky, moderately worn.
FE OXIDE/HYDROXIDE	100%	100%	82%		Yellow-brown, reddish-brown, brown, subangular, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	10%		Silvery-black, subangular, blocky, moderately worn.
KYANITE			Tr		Colourless, Fe-stained, anhedral, tabular, worn. Rare.
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Dark cherry red, subtranslucent, well rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Brown, golden brown, transparent, blocky, worn.
SULPHIDES					
TOURMALINE		Tr	8%		Blue, brown-black, anhedral, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, Fe-stained, subhedral, prismatic, moderately worn, anhedral, well rounded.
ROCK FRAGMENTS					

## COMMENTS:

Observed by: S.M.  
Date: July, 1996.





DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332700

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
20.88 kgs  
112.7 grams  
-1.2+0.25 mm

<b>KEY MINERALS</b>	% +0.8	% +0.4	% +0.25	<b>BRIEF DESCRIPTION</b>
DIAMOND				
PYROPE				
CHROMITE/CR SPINEL			Tr	1 + 0.25mm. Black, dull, well rounded, anhedral, fine cokey surface. 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>BRIEF DESCRIPTION</b>
AMPHIBOLE				
ANATASE			Tr	Rare. Yellow, blue, blue-grey, sub/anhedral, moderately worn to worn.
APATITE				
BARITE				
CALCITE				
CASSITERITE				
CORUNDUM				
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	95%	45%	Yellow-brown, red-brown, dull pisolites.
GARNET				
GOLD				
GORCEIXITE			Tr	Rare. Cream, granular opaques.
HAEMATITE				
ILMENITE		5%	45%	Silvery-black, sub/anhedra, moderately worn.
KYANITE				
LEUCOXENE		Tr	10%	Grey, grey-green, beige, brown, porcelain-like sub/anhedra.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE				
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE		Tr	Tr	Black-brown, well rounded.
XENOTIME				
ZIRCON			Tr	Colourless, well rounded.
ROCK FRAGMENTS				

### COMMENTS:

Observed by: B.G.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332701

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
20.10 kgs  
59.8 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		Pale blue, yellow, subtranslucent, sub/anhedral, moderately worn.
APATITE					
BARITE			Tr		Colourless, translucent, anhedral, well worn.
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Blue, transparent, subhedral, blocky, moderately worn. Rare.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	91%	68%		Yellow-brown, reddish-brown, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	8%	30%		Silvery-black, angular, blocky, rounded, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Orange, opaque, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE			Tr		Orange, cherry red, subtranslucent, blocky, rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden brown, transparent, anhedral, blocky, worn.
SULPHIDES					
TOURMALINE		1%	2%		Brown, brown-black, anhedral, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, pink, anhedral, rounded.
ROCK FRAGMENTS					
COMMENTS:					Observed by: S.M. Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332702

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
26.42 kgs  
140.0 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	Tr		Grey-blue, yellow, sub/anhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM		Tr			1 + 0.4mm, lilac-blue, anhedral, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	55%		Red-brown, yellow-brown, dull pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	25%		Silvery-black, sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE			10%		Grey-green, beige, brown, sub/anhedra, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	Tr	Tr		Creamy brown, creamy, yellow, cream, resinous opaques.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Cherry red, orange-red, generally anhedral, moderately worn to worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	10%		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Orange, colourless, well rounded.
ROCK FRAGMENTS					
COMMENTS:					Observed by: B.G. Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332703

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
20.74 kgs  
109.4 grams  
-1.2+0.25 mm

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 **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	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Golden-yellow, brown, sub/anhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	90%	15%		Red-brown, brick red, yellow-brown, dull pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		10%	80%		Silvery-black, sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE		Tr	4%		Grey-green, beige, grey-blue, brown, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Orange, yellow-orange.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Orange-red, cherry red, blocky to well rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	1%		Orange, colourless, Fe-stained, well rounded.
Al SILICATE			Tr		Colourless, blocky, slightly frosted surfaces, moderately worn.
ROCK FRAGMENTS					

**COMMENTS:**  
- 1.2 + 0.8mm fully observed  
- 0.8 + 0.25mm MAG separated.  
NM fully observed.  
M 6/7 fully observed.  
M 4/5, 1/8 split observed.

Observed by: B.G.  
Date: July, 1996



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332704

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
30.02 kgs  
148.2 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					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE		Tr	25%		Golden-yellow, ice blue, creamy-beige, translucent, subhedral, opaque, tabular.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Colourless/blue, subhedral.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	90%	20%		Brown, red-brown, rounded, blocky, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		5%	40%		Silvery-black, tabular, subhedral, grooved.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, grey, cream, rounded, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Black, red-black, cherry red, opaque, elongate.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, frosted, rounded. Rare.
SULPHIDES					
TOURMALINE		5%	15%		Brown, black, green, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, honey brown, sub/anhedral.
ROCK FRAGMENTS					

## COMMENTS:

Observed by: J.D.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**332705**

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
29.12 kgs  
234.9 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>	% +0.8	% +0.4	% +0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE					
ANATASE		Tr	5%		Creamy beige, grey-blue, golden yellow, tabular, subhedral, opaque, subtranslucent.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM		Tr	Tr		Colourless, blue, transparent, opaque, subhedral. Rare.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	70%	20%		Brown, red-brown, rounded, blocky, some pseudomorphs after pyrite.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	30%	60%		Silvery-black, tabular, angular, grooved
KYANITE					
LEUCOXENE	Tr	Tr	5%		Brown, grey, green, cream, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange-brown, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Red-black, red-brown, cherry red, tabular, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	10%		Black, brown, rounded, subhedral.
XENOTIME					
ZIRCON		Tr	Tr		Yellow, brown, colourless, well rounded, subhedral.
ROCK FRAGMENTS					

**COMMENTS:** Sample has been MAG separated.  
NM fully observed  
M 6/7 fully observed  
M4/5 + 0.8mm, + 0.4mm, fully observed.  
M 4/5 + 0.25mm, ¼ split observed.

Observed by: J.D.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332706

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
22.86 kgs  
91.0 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		Tr	Tr		Colourless/Fe-stained, platy, some frosted, others granular and globular, moderately worn.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	83%	7%		Red-brown, brick-red, yellow-brown, dull pisolites.
GARNET			Tr		Almandine, 1 + 0.25mm, subangular to rounded, moderately worn.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		15%	78%		Silvery-black, sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE		2%	10%		Grey-green, grey-blue, beige, brown, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Orange, resinous opaques.
PHOSPHATES		Tr	Tr		Orange-brown, brick red, yellow-brown, resinous opaques.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Cherry red, sub/anhedra, moderately worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare. Orange-brown, moderately worn.
SULPHIDES					
TOURMALINE		Tr	5%		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Orange, colourless, well rounded.

**COMMENTS:**  
- 1.2 + 0.8mm fully observed.  
- 0.8 + 0.25mm MAG separated.  
NM fully observed  
M 6/7 fully observed.  
M 4/5 - 0.8 + 0.4mm fully observed  
- 0.4 + 0.25mm, 1/8 split observed.

Observed by: B.G.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332707

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
26.06 kgs  
315.8 grams  
-1.2+0.25 mm

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 **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	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	1%		Yellow, dark grey, blue, transparent to opaque, eu/sub/anhedral, slightly to moderately worn.
APATITE					
BARITE		Tr	Tr		White, pink, some Fe-stained, translucent to opaque, anhedral, tabular, blocky, moderately worn.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	20%	5%		Yellow-brown, brown, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		80%	92%		Silvery-black, sub/anhedral, angular, blocky, tabular, moderately worn.
KYANITE					
LEUCOXENE			Tr		Cream, beige, greyish, brown, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE		Tr	Tr		Dull grey, anhedral, blocky, worn.
MONAZITE					
PHOSPHATES			Tr		Orange-brown, resinous, opaque, rounded.
PREHNITE					
PYROXENE					
RUTILE			Tr		Orange, red, subtranslucent, blocky, worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden brown, transparent, anhedral, blocky, worn.
SULPHIDES					
TOURMALINE		Tr	2%		Grey-green, brown-black, anhedral, rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, pink, some Fe-stained, transparent, anhedral, rounded.
ANDALUSITE			Tr		Very pale pink, transparent, blocky, worn.

**COMMENTS:**  
- 0.8mm + 0.25mm, conc MAG separated  
N/M + 0.4mm, + 0.25mm, fully observed  
M 6/7 + 0.4mm, + 0.25mm, ½ split observed.  
M 4/5 + 0.4mm, + 0.25mm, 1/16 split observed.  
+ 0.8mm fully observed.

Observed S.M.  
by: July, 1996.  
Date:





DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332708

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
25.24 kgs  
178.2 grams  
-1.2+0.25 mm

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

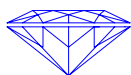
% % %

Note: The number of key minerals is the **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	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	15%		Blue, yellow, translucent, opaque, sub/anhydral, tabular, blocky, slightly to moderately worn.
APATITE			Tr		Colourless, transparent, subhedral, prismatic, moderately fresh.
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	85%	30%		Yellow-brown, brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		14%	20%		Silvery-black, sub/anhydral, subangular, blocky, tabular, moderately worn.
KYANITE					
LEUCOXENE		1%	34%		Beige-brown, sub/anhydral, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Orange, rare, subtranslucent, anhedral, worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden brown, transparent, anhedral, blocky, worn.
SULPHIDES					
TOURMALINE	Tr	Tr	1%		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, transparent, anhedral, rounded.
ROCK FRAGMENTS					

**COMMENTS:** + 0.8mm, fully observed.  
- 0.8mm + 0.25mm, MAG separated and fully observed.

Observed by: S.M.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332709

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
28.60 kgs  
101.9 grams  
-1.2+0.25 mm

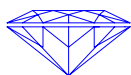
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

Note: The number of key minerals is the **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	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Golden yellow, blue, grey-blue, beige, sub/anhedra, moderately worn.
APATITE					
BARITE		Tr	Tr		Rare. Colourless, platy, moderately worn.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	80%	14%		Yellow-brown, red-brown, brick red, dull pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		20%	75%		Silvery-black, sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE		Tr	10%		Grey-green, grey-blue, brown, beige, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Orange, well rounded, resinous opaques.
PHOSPHATES			Tr		Orange-brown, blocky, resinous.
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare. Cherry red, block, sub/anhedra, moderately worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare. Orange-brown, moderately worn.
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	1%		Colourless, Fe-stained, well rounded.
AI SILICATES		Tr	Tr		Colourless, blocky, transparent to translucent, moderately worn.

**COMMENTS:**  
- 1.2 + 0.8mm fully observed  
- 0.8 + 0.25mm MAG separated.  
NM Fully observed.  
M 6/7 Fully observed.  
M 4/5 - 0.8 + 0.4mm fully observed.  
- 0.4 + 0.25mm, 1/8 split observed.

Observed by: B.G.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332710

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
22.12 kgs  
68.2 grams  
-1.2+0.25 mm

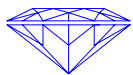
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

Note: The number of key minerals is the **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	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			2%		Blue, golden yellow, pale yellow, transparent, translucent, sub/anhydral, tabular, blocky, slightly to moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	83%		Reddish-brown, yellow-brown, blocky, rounded.
GARNET			Tr		1 + 0.25mm, low Mg Almandine, transparent, pale pink, tabular, worn.
GOLD					
GORCEIXITE					
HAEMATITE			Tr		Reddish-black, specular, anhydral, soft, rounded.
ILMENITE		Tr	5%		Silvery-black, sub/anhydral, blocky, tabular, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	10%		Blue, brown, brown-black, anhydral, well rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					

### COMMENTS:

Observed by: S.M.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332711

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
26.28 kgs  
434.8 grams  
-1.2+0.25 mm

KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr	1 + 0.25mm	Chromite, matt black, subhedral. Not Kimberlitic
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER*					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	5%		Creamy-beige, opaque.
APATITE					
BARITE		Tr	Tr		White, frosted, tabular.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	65%	10%		Brown, red-brown, rounded, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	35%	78%		Silvery-black, tabular, angular, subhedral. *Some grains more silvery/rounded, pitted, low Mg (1.79%, 2.52%)
KYANITE			Tr		Colourless, tabular, rounded.
LEUCOXENE		Tr	2%		Beige, blue-grey, cream, brown, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Orange-brown, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE			Tr		Orange-red, tabular, translucent.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	5%		Brown, black, well rounded, subhedral.
XENOTIME					
ZIRCON			Tr		Colourless, brown, yellow, well rounded.
ROCK FRAGMENTS					

**COMMENTS:** Sample has been MAG separated.  
N/M, M 6/7, fully observed.  
M 4/5 + 0.8mm, + 0.4mm, ¼ split observed.  
M 4/5 + 0.25mm, 1/16 split observed.

Observed by: J.D.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332712

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
22.14 kgs  
5.3 grams  
-1.2+0.25 mm

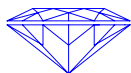
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

Note: The number of key minerals is the **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	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Rare. Yellow-brown, subhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	15%	Tr		Yellow-brown, red-brown, dull pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	80%	95%		Silvery-black, sub/anhedral, moderately worn.
KYANITE					
LEUCOXENE		5%	5%		Beige, brown, grey, grey-blue, sub/anhedra, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Red-brown, brown, resinous opaques.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare. Orange-brown anhedra, worn.
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, well rounded.
ROCK FRAGMENTS					

## COMMENTS:

Observed by: B.G.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332713

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
24.08 kgs  
188.2 grams  
-1.2+0.25 mm

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 **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	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Creamy-beige, golden yellow, tabular, subhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	23%	5%		Brown, red-brown, rounded, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		75%	85%		Silvery-black, tabular, angular.
KYANITE					
LEUCOXENE		2%	10%		Beige, brown, blue-grey, tabular, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Red-brown, yellow, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE			Tr		Red-black, black, elongate, rounded.
SPHENE					
SPINEL					
STAUROLITE		Tr	Tr		Orange-brown, frosted, rounded.
SULPHIDES					
TOURMALINE	Tr	Tr	Tr		Brown, black, rounded, subhedral.
XENOTIME					
ZIRCON			Tr		Orange, colourless, rounded, subhedral.
ROCK FRAGMENTS					

**COMMENTS:** Sample has been MAG separated  
N/M fully observed.  
M 6/7 + 0.8mm + 0.4mm fully observed.  
M 6/7 + 0.25mm, ¼ split observed.  
M 4/5 + 0.8mm, + 0.4mm, ½ split observed.  
M 4/5 + 0.25mm, 1/8 split observed.

Observed J.D.  
by: July, 1996.  
Date:



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332714

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
27.84 kgs  
120.9 grams  
-1.2+0.25 mm

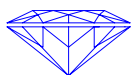
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER*					

Note: The number of key minerals is the **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	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Beige, yellow, grey-blue, sub/anhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE		Tr	Tr		Beige, blocky, translucent to subtranslucent, moderately worn.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	60%	10%		Red-brown, yellow-brown, dull pisolites.
GARNET			Tr		Almandine, 1 + 0.25mm, rounded, moderately worn.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	40%	85%		Silvery-black, sub/anhedra, moderately worn. *Several +0.8mm more silvery/rounded, pitted, very low Mg
KYANITE					
LEUCOXENE		Tr	5%		Beige, grey-blue, grey-green, tan, highly polished.
MN OXIDE					
MONAZITE			Tr		Rare. Orange, resinous, opaque.
PHOSPHATES		Tr	Tr		Red-brown, orange-brown, resinous opaques.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Cherry red, orange-red, anhedral, moderately worn.
SPHENE					
SPINEL					
STAUROLITE	Tr	Tr	Tr		Rare. Orange-brown, blocky to rounded, moderately worn.
SULPHIDES					
TOURMALINE	Tr	Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, orange-red, Fe-stained, generally well rounded anhedral.
Al SILICATES			Tr		Colourless, blocky to well rounded, moderately worn.
Pb S Al Si MINERAL			Tr		1 + 0.25mm, possibly plumbogummite; white, granular, opaque.

**COMMENTS:**  
- 1.2 + 0.8mm fully observed.  
- 0.8 + 0.25mm, MAG separated.  
NM fully observed.  
M 6/7 fully observed.  
M 4/5 - 0.8, + 0.4mm, fully observed.  
- 0.4 + 0.25mm, 1/16 split observed.

Observed by: B.G.  
Date: July, 1996.



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332715

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
19.48 kgs  
56.0 grams  
-1.2+0.25 mm

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					
ANATASE			Tr		Greenish-yellow, translucent, sub/anhedral, blocky, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE		Tr	Tr		Beige, orange, subtranslucent, anhedral, blocky, worn.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	43%	6%		Reddish-brown, black-brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	50%	90%		Silvery-black, sub/anhedral, angular, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE		3%	2%		Beige, yellow, brown, dull to porcelain surfaces, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE	Tr	2%	Tr		Dull, grey, anhedral, rounded.
MONAZITE		Tr	Tr		Orange, resinous, translucent, blocky, worn.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	2%	2%		Brown-black, black, anhedral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, some Fe-stained, anhedral, rounded.
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

COMMENTS: Conc MAG separated

Observed by: S.M.  
Date: July, 1996.





DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-059.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332716

## ASSESSMENT

Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed

## NEGATIVE

STREAMSED  
18.46 kgs  
0.4 grams  
-1.2+0.25 mm

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 **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	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Grey-blue, blue, yellow, opaque, rounded.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	90%	10%	Tr		Brown, red-brown, rounded, blocky, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		5%	10%		Silvery-black, angular, tabular, grooved.
KYANITE					
LEUCOXENE		Tr	5%		Brown, grey, cream, opaque, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			2%		Grey, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE			Tr		Red-black, opaque, anhedral.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	10%	85%	83%		Black, brown, pale orange, rounded, subhedral.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					
COMMENTS:					Observed by: J.D. Date: July, 1996.