



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-106.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332986

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
20.50 kgs  
14.8 grams  
-2.0+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, grey-blue, anhedral, translucent to opaque.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Rare. Colourless/blue, worn, subhedral.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	42%		Yellow-brown, red-brown, brown, dull to polished pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	50%		Silvery-black, blocky, sub/anhedra, * some with low Mg.
KYANITE					
LEUCOXENE			Tr		Grey-green, beige, generally dull.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange, cream, dull to resinous opaques.
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, silvery-black, orange-red, anhedral, moderately worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare. Orange-brown, frosted.
SULPHIDES					
TOURMALINE		Tr	3%		Black-brown, rarely coloured, well rounded.
XENOTIME					
ZIRCON		Tr	5%		Fe-stained, colourless, well rounded.
ANDALUSITE			Tr		Rare, flesh pink, blocky.
ROCK FRAGMENTS					

## COMMENTS:

Observed by: B.G.  
Date: Nov. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332987

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
21.54 kgs  
198.8 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		Yellow/blue, golden, sub/anedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Colourless/blue, blue, subangular, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	55%		Yellow-brown, red-brown, dull, pisolitic/fragmented.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	25%		Silvery-black, sub/anedral, moderately worn.
KYANITE					
LEUCOXENE			20%		Brown, beige, grey-green, after ilmenite.
MAGNETITE					
MICA			Tr		1 + 0.25mm, brown, flaky.
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, anhedral, worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare. Orange-brown, moderately worn.
SULPHIDES					
TOURMALINE	Tr	Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, well rounded.
ROCK FRAGMENTS					
<b>COMMENTS:</b>					Observed by: B.G. Date: Nov. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332988

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
20.78 kgs  
8.7 grams  
-2.0+0.25 mm

<b>KEY MINERALS</b>	% +0.8	% +0.4	% +0.25	<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>BRIEF DESCRIPTION</b>
AMPHIBOLE				
ANATASE			Tr	Rare, blue, subtranslucent, sub/anhedral, blocky, moderately worn.
APATITE				
BARITE				
CALCITE				
CASSITERITE				
CORUNDUM			Tr	Rare, pale blue, transparent, anhedral, tabular, worn.
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	98%	30%	Yellow, reddish-brown, dull, subangular, blocky, rounded.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE		2%	60%	Silvery-black, subangular, tabular, blocky, moderately worn.
KYANITE				
LEUCOXENE			5%	Creamy, beige, brown, subangular, tabular, moderately worn.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE				
PHOSPHATES			Tr	Orange-brown, resinous, opaque, anhedral, worn.
PREHNITE				
PYROXENE				
RUTILE				
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE		Tr	5%	Brown-black, anhedral, rounded.
XENOTIME				
ZIRCON			Tr	Colourless, transparent, anhedral, rounded.
ROCK FRAGMENTS				

## COMMENTS:

Observed by: S.M.  
Date: Nov. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332989

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
13.48 kgs  
29.0 grams  
-2.0+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					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	99%		Yellow, reddish-brown, dull, earthy, subangular, blocky.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	1%		Black, silvery-black, subangular, blocky, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Creamy, beige, brown, subangular, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Dark red, subtranslucent, anhedral, rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare, golden brown, transparent, blocky, worn.
SULPHIDES					
TOURMALINE	Tr	Tr	Tr		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, transparent, anhedral, rounded.
ROCK FRAGMENTS					
COMMENTS:					Observed by: S.M. Date: Nov. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332990

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
20.84 kgs  
89.6 grams  
-2.0+0.25 mm

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

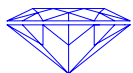
% % %

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, golden, rounded anhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Colourless, colourless/blue, anhedral, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	40%		Yellow-brown, brown, red-brown, dull.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	50%		Silvery-black, sub/anhedral, moderately worn * some with low Mg.
KYANITE					
LEUCOXENE			5%		After ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Rare. Pale orange, resinous, opaque.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, orange-red.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, subangular, rounded.
SULPHIDES					
TOURMALINE		Tr	5%		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Fe-stained, colourless, palest-pink, well rounded, rare subhedra.
ROCK FRAGMENTS					

## COMMENTS:

Observed by: B.G.  
Date: Nov. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332991

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
20.80 kgs  
490.4 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					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM		Tr	Tr		Colourless, subhedral, blue, tabular.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	60%		Brown, red-brown, well rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	30%		Silvery-black, blocky, grooved.
KYANITE					
LEUCOXENE			Tr		Beige, brown, well rounded, angular.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, subtranslucent, elongate.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	10%		Brown, black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Honey brown, colourless, rounded, rare subhedra.
ROCK FRAGMENTS					

### COMMENTS:

Observed by: J.D.  
Date: Nov. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**332992**

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
22.80 kgs  
43.6 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		Rare, blue, subtranslucent, tabular, transparent, prismatic, worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	85%		Yellow, reddish-brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	5%		Silvery-black, sub/anhedral, blocky, tabular, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	10%		Brown-black, anhedral, blocky, rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					

## COMMENTS:

Observed by: S.M.  
Date: Nov. 1996.



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File: 96-106.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332993

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
22.22 kgs  
325.4 grams  
-2.0+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. Pale grey-blue, anhedral, worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	97%		Red-brown, yellow-brown, pisolitic/fractured.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			3%		Silvery-black, sub/anhedral, tabular, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Grey-green, brown, beige, porcelain-like surface.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Rare. Orange, sub-resinous, opaque.
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare. Cherry red, rounded, anhedral.
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare. Orange-brown.
SULPHIDES					
TOURMALINE			Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, well rounded.
ROCK FRAGMENTS					
COMMENTS:					Observed by: B.G. Date: Nov. 1996.





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# HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**332994**

## ASSESSMENT

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

## NEGATIVE

LOAM  
16.12 kgs  
0.8 grams  
-2.0+0.25 mm

<b>KEY MINERALS</b>	% +0.8	% +0.4	% +0.25	<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>BRIEF DESCRIPTION</b>
AMPHIBOLE				
ANATASE				
APATITE				
BARITE				
CALCITE				
CASSITERITE				
CORUNDUM				
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	100%	10%	Dull, earthy, red-brown, pisolitic.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE			40%	Dull, silvery-black, subhedra, worn.
KYANITE				
LEUCOXENE			30%	Cream, beige, brown, after ilmenite, worn.
MAGNETITE				
MICA				
MN OXIDE	Tr			Dull, grey-black, nodular.
MONAZITE				
PHOSPHATES		Tr	Tr	Cream, worn, opaque.
PREHNITE				
PYROXENE				
RUTILE				
SPHENE				
SPINEL				
STAUROLITE			Tr	1 + 0.25mm, orange-brown, well worn.
SULPHIDES				
TOURMALINE		Tr	20%	Black-brown, well worn.
XENOTIME				
ZIRCON			Tr	Worn, colourless.
ROCK FRAGMENTS				
<b>COMMENTS:</b>				Observed by: L.F. Date: Nov. 1996.



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File: 96-106.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332995

## ASSESSMENT

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

## NEGATIVE

LOAM  
19.26 kgs  
0.7 grams  
-2.0+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		Greyish-yellow, tabular, translucent.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	10%		Brown, red-brown, tan, rounded, earthy flakes.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	45%		Black, tabular, rounded, angular, grooved.
KYANITE			Tr		Colourless, tabular. Rare.
LEUCOXENE		Tr	15%		Brown, cream, beige, rounded, blocky, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange, rounded, frosted.
SULPHIDES					
TOURMALINE		Tr	30%		Black, brown, well rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					
COMMENTS:					Observed by: J.D. Date: Nov. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332996

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
18.08 kgs  
113.5 grams  
-1.2+0.20 mm

<b>KEY MINERALS</b>	% +0.8	% +0.4	% +0.20	<b>BRIEF DESCRIPTION</b>
DIAMOND				
PYROPE				
CHROMITE/CR SPINEL	Tr			1 + 0.8mm, worn, chipped octahedra, dull, brownish, soft and granular internally.
CHROME DIOPSIDE				
PICROILMENITE				
PHLOGOPITE				
OTHER				

<b>OTHER MINERALS</b>	% +0.8	% +0.4	% +0.20	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE				
ANATASE			Tr	Golden yellow, pale blue-grey, worn, tabular subhedra.
APATITE				
BARITE				
CALCITE				
CASSITERITE				
CORUNDUM			Tr	1 + 0.25mm, colourless, vitreous, worn, small black inclusions.
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	100%	85%	Dull, red-brown fragments.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE			15%	Silvery-black, worn subhedra.
KYANITE				
LEUCOXENE			Tr	Beige, cream, worn.
MAGNETITE			Tr	Dull, sharp octahedra.
MICA				
MN OXIDE				
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE				
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE			Tr	Black-brown, well rounded.
XENOTIME				
ZIRCON			Tr	Colourless, well rounded.
ROCK FRAGMENTS				

### COMMENTS:

Observed by: L.F.  
Date: Nov. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332997

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
20.04 kgs  
73.4 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					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	50%		Brown, red-brown, rounded, angular, earthy fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	30%		Silvery-black, rounded, blocky, grooved.
KYANITE					
LEUCOXENE			Tr		Beige, brown, rounded, blocky.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, subtranslucent, rounded. Rare.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	20%		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, transparent, subhedral.
ROCK FRAGMENTS					
COMMENTS:					Observed by: J.D. Date: Nov. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332998

## ASSESSMENT

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

## POSS KIMB

STREAMSED  
17.22 kgs  
220.3 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, well rounded, flat, brownish, granular.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

% % %

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Rare, colourless, palest blue.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	55%		Dull, earthy, red-brown.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	30%		Dull, silvery-black subhedra, worn.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Well rounded, resinous, red-orange.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Well worn, silvery-black.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	15%		Well rounded, black-brown grains.
XENOTIME					
ZIRCON			Tr		Colourless, well rounded, worn.
ROCK FRAGMENTS					

### COMMENTS:

Observed by: L.F.  
Date: Nov. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332999

## ASSESSMENT

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

## UNDERWAY

STREAMSED  
22.26 kgs  
460.2 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				
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	Golden yellow, grey-blue, translucent, rounded.
APATITE				
BARITE				
CALCITE				
CASSITERITE				
CORUNDUM			Tr	Colourless, slight tinge of blue.
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	100%	60%	Brown, red-brown, well rounded, angular, earthy fragments.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE		Tr	30%	Silvery-black, tabular, angular, grooved. Some low Mg (2.11%MgO, 0.18% Cr2O3)
KYANITE				
LEUCOXENE			Tr	Beige, cream, opaque, rounded.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE			Tr	Cherry red, black, elongate, rounded.
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE		Tr	10%	Brown, black-brown, well rounded, rare subhedra.
XENOTIME				
ZIRCON				
ROCK FRAGMENTS				

### COMMENTS:

Observed by: J.D.  
Date: Nov. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333000

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
19.96 kgs  
11.8 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					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	75%		Brown, black-brown, dull, subangular, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	15%		Silvery-black, blocky, subangular, moderately worn.
KYANITE					
LEUCOXENE			Tr		Beige, greyish, porcelain-like surface, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden brown, transparent, anhedral, rounded.
SULPHIDES					
TOURMALINE		Tr	10%		Black-brown, anhedral, rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					
COMMENTS:					Observed by: S.M. Date: Nov. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333001

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
23.06 kgs  
348.5 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, worn, tabular subhedra, rare blue grains.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Rare, palest blue, worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	80%		Dull, red-brown, pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	20%		Dull, silvery-black subhedra, moderately worn to worn.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE			Tr		Dull, grey-black, nodular.
MONAZITE			Tr		Rare, orange, spherical, opaque.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Well worn, silvery-black to cherry red, spherical.
SPHENE					
SPINEL					
STAUROLITE		Tr	Tr		Orange-brown, honey brown, transparent, well worn.
SULPHIDES					
TOURMALINE		Tr	Tr		Well worn, black-brown.
XENOTIME					
ZIRCON			Tr		Colourless, well worn.
ROCK FRAGMENTS					
COMMENTS:	<div>Observed by: L.F.</div> <div>Date: Nov. 1996.</div>				





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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333002

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
20.42 kgs  
28.2 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					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	75%		Yellow-brown, red-brown, pisolitic/fractured.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	3%		Silvery-black, sub/anhedra, tabular, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange, resinous, opaque.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare. Orange-brown, anhedral.
SULPHIDES					
TOURMALINE		Tr	17%		Black-brown, well rounded.
XENOTIME					
ZIRCON			5%		Fe-stained, colourless, well rounded.
ROCK FRAGMENTS					

### COMMENTS:

Observed by: L.F.  
Date: Nov. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333003

## ASSESSMENT

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

## NEGATIVE

LOAM  
17.84 kgs  
206.0 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					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	95%		Brown, red-brown, blackish-brown.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			5%		Silvery-black, blocky, angular, grooved.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			Tr		Brown, black-brown, well rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					
COMMENTS:					Observed by: J.D. Date: Nov. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333004

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
23.30 kgs  
128.5 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, subtranslucent, subhedral, blocky, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Colourless, blue, transparent, subhedral, prismatic, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	99%		Yellow, reddish-brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	1%		Silvery-black, sub/anhedral, blocky, tabular, moderately worn.
KYANITE					
LEUCOXENE			Tr		Beige, brown, greyish, porcelain-like surfaces, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden brown, transparent, anhedral, blocky, worn.
SULPHIDES					
TOURMALINE		Tr	Tr		Brown, brown-black, anhedral, blocky, rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					

## COMMENTS:

Observed by: S.M.  
Date: Nov. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333005

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
19.02 kgs  
88.4 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		Golden yellow, worn, tabular subhedra.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Rare, palest blue, well worn.
EPIDOTE					
FE OXIDE/HYDROXIDE		100%	95%		Earthy, yellow-brown.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	5%		Silvery-black, worn subhedra. Some low Mg (0.56-2.19%MgO, 0-0.23% Cr2O3)
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Well rounded, cherry red, worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, well worn, translucent.
SULPHIDES					
TOURMALINE			Tr		Well rounded, black-brown grains.
XENOTIME					
ZIRCON			Tr		Colourless, well rounded.
ROCK FRAGMENTS					

## COMMENTS:

Observed by: L.F.  
Date: Nov. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**333006**

## ASSESSMENT

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

## NEGATIVE

LOAM  
22.92 kgs  
8.6 grams  
-2.0+0.25 mm

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

% % %

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

<b>OTHER MINERALS</b>	% +0.8	% +0.4	% +0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	61%		Yellow, reddish-brown, dull, subangular, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	35%		Silvery-black, sub/anedral, subangular, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE			Tr		Creamy, beige, dull, sub/anedral, tabular, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden brown, transparent, anhedral, blocky, moderately worn.
SULPHIDES					
TOURMALINE			4%		Brown-black, anhedral, blocky, rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					

### COMMENTS:

Observed by: S.M.  
Date: Nov. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333007

## ASSESSMENT

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

## NEGATIVE

LOAM  
19.40 kgs  
0.9 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					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	Tr		Dull, red-brown.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			20%		Dull, silvery-black, partly leucoxenised, worn subhedra.
KYANITE					
LEUCOXENE			60%		Beige, cream, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			20%		Black-brown, near spherical.
XENOTIME					
ZIRCON			Tr		Colourless, well rounded.
ROCK FRAGMENTS					

### COMMENTS:

Observed by: L.F.  
Date: Nov. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333008

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
26.08 kgs  
2.9 grams  
-2.0+0.25 mm

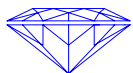
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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		Rare. Beige, subtranslucent, subhedral, slightly worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Pale blue, rare, transparent, anhedral, tabular, worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	40%	40%		Yellow, reddish-brown, earthy, subangular, blocky, worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	40%	10%		Silvery-black, sub/anhedral, subangular, blocky, moderately worn.
KYANITE					
LEUCOXENE	Tr	10%	10%		Beige, tan, greyish, dull to porcelain-like surface, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Orange, pinkish-orange, resinous, opaque, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Orange, black, subtranslucent, anhedral, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		10%	40%		Brown-black, brown, anhedral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, pink, Fe-stained, transparent, sub/anhedral, prismatic, moderately worn to rounded.
ROCK FRAGMENTS					

### COMMENTS:

Observed by: S.M.  
Date: Nov. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333009

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
22.70 kgs  
20.4 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					

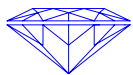
Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Pale blue, yellow, worn subhedra.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Rare, palest blue, worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	60%		Dull, orange-brown, many pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		5%	20%		Dull, silvery-black, worn subhedra. Some low Mg (1.46%MgO, 0.28% Cr2O3)
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE	Tr		Tr		Cherry red to silvery-black, well worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	20%		Well rounded, black-brown.
XENOTIME					
ZIRCON			Tr		Colourless, well worn.
ROCK FRAGMENTS					

## COMMENTS:

Observed by: L.F.  
Date: Nov. 1996





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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333010

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
20.30 kgs  
17.4 grams  
-2.0+0.25 mm

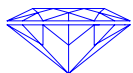
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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 yellow, transparent, subhedral, blocky, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	64%	50%		Reddish-brown, brown, dull, subangular, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		30%	35%		Silvery-black, sub/anhedral, subangular, blocky, moderately worn, worn.
KYANITE					
LEUCOXENE		5%	5%		Beige, greyish, brown, porcelain-like surface, blocky, moderately worn, worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Pinkish-orange, resinous, opaque, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE			Tr		Dark red, subtranslucent, anhedral, blocky, worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		1%	10%		Green, brown-black, anhedral, blocky, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, Fe-stained, transparent, anhedral, rounded.
ROCK FRAGMENTS					

## COMMENTS:

Observed by: S.M.  
Date: Nov. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333011

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
20.52 kgs  
25.4 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					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Blue, tabular, subhedral, black inclusions.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	94%		Brown, red-brown, rounded, blocky, angular fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	1%		Silvery-black, rounded to blocky.
KYANITE					
LEUCOXENE		Tr	tr		Beige, cream, brown, blocky, opaque, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	5%		Black-brown, green, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, transparent, subhedral. Rare.
ROCK FRAGMENTS					

### COMMENTS:

Observed by: J.D.  
Date: Nov. 1996.



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# HEAVY MINERAL ANALYSIS SHEET (Pre probe)

**SAMPLE NO**

**333012**

## ASSESSMENT

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

## POSITIVE

STREAMSED  
21.44 kgs  
11.0 grams  
-2.0+0.25 mm

<b>KEY MINERALS</b>	% +0.8	% +0.4	% +0.25	<b>BRIEF DESCRIPTION</b>
DIAMOND			Tr	1 + 0.25mm, yellow-green, subhedral, stepped.
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>BRIEF DESCRIPTION</b>
AMPHIBOLE				
ANATASE			Tr	Blue, golden, transparent, translucent, subhedral, tabular, slightly worn.
APATITE				
BARITE				
CALCITE				
CASSITERITE				
CORUNDUM			Tr	Blue, transparent, anhedral, tabular, worn.
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	40%	25%	Yellow, reddish-brown, dull, earthy, worn.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE		50%	45%	Silvery-black, sub/anhedral, subangular, blocky, rounded.
KYANITE				
LEUCOXENE		10%	15%	Creamy, greyish, brown, dull to porcelain-like surface, moderately worn.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE				
PHOSPHATES		Tr	Tr	Orange-brown, resinous, opaque, anhedral, worn.
PREHNITE				
PYROXENE				
RUTILE			Tr	Dark red, black, subtranslucent, anhedral, blocky, worn.
SPHENE				
SPINEL				
STAUROLITE			Tr	Golden brown, transparent, anhedral, blocky, worn.
SULPHIDES				
TOURMALINE			15%	Brown-black, yellow-brown, anhedral, rounded.
XENOTIME				
ZIRCON		Tr	Tr	Colourless, yellow-orange, anhedral, rounded.
ROCK FRAGMENTS				

## COMMENTS:

Observed by: S.M.  
Date: Nov. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333013

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
24.04 kgs  
16.6 grams  
-2.0+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		Greenish-yellow, blue-grey, tabular, translucent to subtranslucent.
APATITE					
BARITE					
CALCITE					
CASSITERITE			Tr		Red, frosted.
CORUNDUM			Tr		Blue, tabular, subhedral, included.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	5%	Tr		Brown, red-brown, rounded, angular fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	75%	65%		Silvery-black, tabular, rounded to blocky, grooved.
KYANITE					
LEUCOXENE		20%	35%		Beige, brown, grey, cream, blocky, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	Tr	Tr		Red-brown, resinous.
PREHNITE					
PYROXENE					
RUTILE			Tr		Orange-red, tabular, rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, rounded, frosted.
SULPHIDES					
TOURMALINE	Tr	Tr	Tr		Brown, black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Honey brown, colourless, pale pink, rounded, opaque, transparent, subhedral.
ROCK FRAGMENTS					

### COMMENTS:

Observed by: J.D.  
Date: Nov. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333014

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
23.02 kgs  
9.6 grams  
-2.0+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		Pale blue, beige, golden, translucent, subhedral, blocky, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Blue, transparent, sub/anedral, tabular, worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	42%	35%		Yellow-brown, anhedral, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		40%	35%		Silvery-black, sub/anedral, subangular, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE		15%	20%		Creamy, beige, brown, greyish, dull to porcelain-like surfaces, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		1%	Tr		Orange, pinkish-orange, resinous, opaque, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare, orange-red, subtranslucent, anhedral, blocky, worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden brown, transparent, anhedral, blocky, worn.
SULPHIDES					
TOURMALINE	Tr	2%	10%		Brown-black, anhedral, rounded, blocky.
XENOTIME			Tr		1 + 0.25mm, creamy, opaque, subhedral, moderately worn.
ZIRCON		Tr	Tr		Reddish-brown, colourless, Fe-stained, rounded, some subhedral, prismatic, slightly worn.
ROCK FRAGMENTS					

### COMMENTS:

Observed by: S.M.  
Date: Nov. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333015

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
23.94 kgs  
47.8 grams  
-2.0+0.25 mm

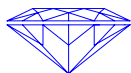
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL		Tr		1 + 0.4mm	dull black, anhedral, worn. Not Kimb.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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	Tr		Yellow, transparent, subhedral, blocky, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE			Tr		Reddish-orange, opaque, anhedral, subangular, moderately worn.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	40%	38%		Brown, black, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		45%	40%		Silvery-black, sub/anhedral, subangular, tabular, blocky, rarely rounded. Some low Mg (1.39-2.09% MgO, 0-0.31% Cr2O3)
KYANITE					
LEUCOXENE		5%	10%		Creamy, beige, brown, sub/anhedral, moderately worn.
MAGNETITE		10%	10%		Black, sub/anhedral, blocky, moderately worn.
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange, pinkish-orange, resinous, opaque, worn.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Dark red, black, subtranslucent, anhedral, blocky, worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Brown, transparent, anhedral, blocky, worn.
SULPHIDES					
TOURMALINE		Tr	2%		Brown-black, anhedral, blocky, rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, pink, some subhedral, moderately worn, most anhedral, rounded.
ROCK FRAGMENTS					

**COMMENTS:** -2.0 + 0.4mm fully observed.  
+0.25mm, ¼ split observed.

Observed by: S.M.  
Date: Nov. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333016

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
20.98 kgs  
48.7 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					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Colourless, blue, worn, transparent.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	65%	20%		Yellow-brown, dull, earthy.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		20%	65%		Dull, silvery-black, worn subhedra.
KYANITE					
LEUCOXENE			10%		Beige, worn, porcelain-like, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE	Tr	15%	Tr		Dull grey fragments.
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Well rounded, silvery-black.
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare, orange-brown, worn.
SULPHIDES					
TOURMALINE		Tr	5%		Well rounded, black-brown grains.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, worn.
ROCK FRAGMENTS					

### COMMENTS:

Observed by: L.F.  
Date: Nov. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333017

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
22.26 kgs  
137.2 grams  
-2.0+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, translucent, subhedral, tabular, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Blue, transparent, anhedral, tabular, worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	90%	53%		Brown, red-brown, mustard yellow.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	10%	40%		Silvery-black, sub/anhedral, subangular, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE	Tr	Tr	5%		Beige, cream, brown, porcelain-like surfaces.
MAGNETITE			1%		
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Orange-brown, rounded, resinous.
PHOSPHATES		Tr	Tr		Orange, resinous, opaque, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Black, dark red, subtranslucent, opaque, anhedral, blocky, worn.
SPHENE					
SPINEL					
STAUROLITE		Tr	Tr		Brown, transparent, anhedral, blocky, worn.
SULPHIDES					
TOURMALINE	Tr	Tr	1%		Black-brown, anhedral, blocky, rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, Fe-stained, anhedral, rounded.
ROCK FRAGMENTS					

**COMMENTS:** -2.0 + 0.8mm, fully observed.  
+0.4mm, ½ split observed.  
+ 0.25mm, 1/16 split observed.

Observed by: J.D.  
Date: Nov. 1996





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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333018

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
20.56 kgs  
1195.9 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					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Colourless, blue, rare, worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	50%	50%	50%		Dark red-brown, well rounded, polished.
GARNET			Tr		1 + 0.25mm, pale pink, worn.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			Tr		Dull, moderately worn, silvery-black.
KYANITE					
LEUCOXENE			Tr		Beige, cream, worn.
MAGNETITE	50%	50%	50%		
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Well rounded, black-brown grains.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			Tr		Well rounded, black-brown grains.
XENOTIME					
ZIRCON					
ANDALUSITE			Tr		Rare, pale pink.
ROCK FRAGMENTS					

**COMMENTS:** -1.2 + 0.8mm, ½ split observed.  
-0.4 + 0.25mm, ¼ split observed.

Observed L.F.  
by: Nov. 1996  
Date:



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333019

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
24.80 kgs  
346.6 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					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	25%	5%		Yellow-brown, red-brown pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		50%	90%		Dull black, grey-black, sub/anhedra, some partially leucogenised, moderately worn.
KYANITE					
LEUCOXENE		Tr	3%		Brown, beige, grey-green, porcelain-like surface.
MAGNETITE	Tr	25%	Tr		Taken off by hand.
MICA					
MN OXIDE					
MONAZITE			Tr		Orange, rounded, resinous, opaque.
PHOSPHATES		Tr	Tr		Yellow-brown, red-brown, blocky, resinous opaques.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Orange-red, red/black, anhedral, moderately worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	2%		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Orange, colourless, Fe-stained, well rounded.
ROCK FRAGMENTS					

**COMMENTS:** -1.2 + 0.4mm, fully observed.  
-0.4 + 0.25mm, 1/16 split observed.

Observed by: B.G.  
Date: Nov. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333020

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
22.40 kgs  
509.3 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					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Blue, transparent, anhedral, worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	87%		Brown, subangular, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			8%		Silvery-black, anhedral, blocky, tabular, moderately worn.
KYANITE					
LEUCOXENE			Tr		Beige, porcelain-like surface, blocky, moderately worn.
MAGNETITE			5%		Brown, black, anhedral, blocky, subangular, moderately worn.
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden brown, transparent, anhedral, blocky, worn.
SULPHIDES					
TOURMALINE					
XENOTIME					
ZIRCON			Tr		Colourless, Fe-stained, anhedral, rounded.
ROCK FRAGMENTS					
COMMENTS:	+ 0.8mm, ¼ split observed. + 0.4mm, ¼ split observed. + 0.25mm, ½ split observed.				Observed by: S.M. Date: Nov. 1996..



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333021

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
20.70 kgs  
1085.9 grams  
-1.2+0.25 mm

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Rare. Beige subhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE			Tr		Rare. Yellow, anhedral, moderately worn.
CORUNDUM			Tr		Mauve-blue, colourless, subangular, tabular.
EPIDOTE					
FE OXIDE/HYDROXIDE	75%	60%	70%		Red-brown, yellow-brown, grey-black, pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	10%		Silvery-black, sub/anhedral, moderately worn.
KYANITE					
LEUCOXENE			Tr		Rare. Beige, grey-green, brown, porcelain-like surfaces.
MAGNETITE	25%	40%	20%		Taken off by hand.
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Orange-red, moderately worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, blocky to rounded.
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					
COMMENTS:					Observed by: B.G. Date: Nov. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333022

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
23.00 kgs  
126.9 grams  
-1.2+0.25 mm

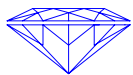
<b>KEY MINERALS</b>	% +0.8	% +0.4	% +0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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		Rare. Pale blue, transparent, subhedral, tabular, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Blue, transparent, anhedral, tabular, worn. Rare.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	60%		Yellow, reddish-brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	Tr	15%		Silvery-black, sub/anhedral, subangular, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE			Tr		Beige, greyish, sub/porcelain-like surface, blocky, moderately worn.
MAGNETITE			20%		Brown, black, anhedral, blocky, moderately worn.
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	5%		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, Fe-stained, transparent, anhedral, rounded.
ROCK FRAGMENTS					

### COMMENTS:

Observed by: S.M.  
Date: Nov. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333023

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
18.14 kgs  
386.3 grams  
-1.2+0.25 mm

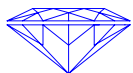
KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Yellow, reddish-brown, dull, subangular, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			Tr		Silvery-black, sub/anhedral, tabular, subangular, moderately worn.
KYANITE					
LEUCOXENE			Tr		Greyish, porcelain-like surface, anhedral, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			Tr		Black, anhedral, rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					

## COMMENTS:

Observed by: S.M.  
Date: Dec. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333024

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
23.76 kgs  
331.3 grams  
-1.2+0.25 mm

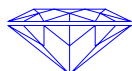
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Pale blue, yellow, transparent, subhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Blue, transparent, anhedral, blocky, worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	69%	60%		Yellow-brown, brown, black, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		1%	30%		Silvery-black, sub/anhedral, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Greyish, porcelain-like surface, tabular, blocky, moderately worn.
MAGNETITE		30%	5%		Brown, black, anhedral, blocky, moderately worn.
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		orange, resinous, opaque, anhedral, rounded.
PREHNITE					
PYROXENE					
RUTILE			Tr		Orange, dark red, translucent, subtranslucent, tabular, blocky, worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden brown, transparent, anhedral, blocky, worn.
SULPHIDES					
TOURMALINE			5%		Greenish-brown, black, brown-black, anhedral, blocky, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, pale pink, transparent, subhedral, prismatic, 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, ½ split observed.  
+ 0.4mm, fully observed.  
+ 0.25mm, fully observed.

Observed S.M.  
by: Dec. 1996.  
Date:



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**333025**

### ASSESSMENT

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

### NEGATIVE

STREAMSED  
18.04 kgs  
576.8 grams  
-1.2+0.25 mm

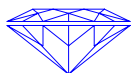
	%	%	%		
<b>KEY MINERALS</b>	+0.8	+0.4	+0.25	mm	<b>BRIEF DESCRIPTION</b>
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

	%	%	%		
<b>OTHER MINERALS</b>	+0.8	+0.4	+0.25	mm	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Pale blue, blue, transparent, sub/anhedral, moderately worn to worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	97%		Yellow, reddish-brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	2%		Silvery-black, sub/anhedral, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE			Tr		Greyish, porcelain-like surface, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Dark red, orange-red, subtranslucent, anhedral, blocky, worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			1%		Brown-black, anhedral, blocky, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, pale pink, subhedral, prismatic, 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:S.M.  
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**HEAVY MINERAL ANALYSIS SHEET****SAMPLE NO****333026****ASSESSMENT**Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed**NEGATIVE**STREAMSED  
23.82 kgs  
1324.7 grams  
-1.2+0.25 mm

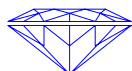
<b>KEY MINERALS</b>	% +0.8	% +0.4	% +0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

<b>OTHER MINERALS</b>	% +0.8	% +0.4	% +0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Blue, transparent, subhedral, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	70%	68%		Reddish-brown, brown, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			10%		Silvery-black, sub/anhedral, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE			10%		Beige, brown, greyish, dull to porcelain-like surface, moderately worn.
MAGNETITE		30%	10%		Brown, black, anhedral, blocky, moderately worn.
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, subtranslucent, anhedral, blocky, worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Brown, transparent, anhedral, blocky, worn.
SULPHIDES					
TOURMALINE			2%		
XENOTIME					
ZIRCON			Tr		Pink, transparent, anhedral, blocky, 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, ¼ split observed.  
+ 0.4mm, ½ split observed.  
+ 0.25mm, fully observed.

Observed S.M.  
by: Dec. 1996.  
Date:



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**333027**

### ASSESSMENT

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

### NEGATIVE

STREAMSED  
24.16 kgs  
376.7 grams  
-1.2+0.25 mm

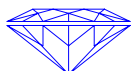
<b>KEY MINERALS</b>	% +0.8	% +0.4	% +0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

<b>OTHER MINERALS</b>	% +0.8	% +0.4	% +0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE					
ANATASE			Tr		Blue, blue/yellow, gold sub/anedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Palest blue, colourless, moderately worn anhedra.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	98%	25%		Red-brown, yellow-brown, dull to polished pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		2%	70%		Silvery-black sub/anhedra, moderately worn, some partially leucoxenised.
KYANITE					
LEUCOXENE		Tr	2%		Grey-green, brown, porcelain-like surfaces.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Orange, yellow, well rounded, resinous opaques.
PREHNITE					
PYROXENE					
RUTILE			Tr		Orange, cherry red, worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare. Orange-brown, rounded, worn.
SULPHIDES					
TOURMALINE		Tr	3%		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Orange, yellow, colourless, pinkish-brown, well rounded, rare subhedra.
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.  
Dec. 1996.

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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**
**333028**
**ASSESSMENT**

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

**NEGATIVE**

 STREAMSED  
21.24 kgs  
1212.9 grams  
-1.2+0.25 mm

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

	%	%	%		
<b>OTHER MINERALS</b>	+0.8	+0.4	+0.25	mm	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM		Tr	Tr		Sky blue/colourless, colourless, palest pink, subangular to rounded, included.
EPIDOTE			Tr		1 + 0.25mm, yellow-green, translucent.
FE OXIDE/HYDROXIDE	100%	100%	95%		Yellow-brown, red-brown, brown, dull to polished pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	5%		Silvery-black, sub/anhedral, moderately worn.
KYANITE					
LEUCOXENE			Tr		Grey-green, beige, brown.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Orange, well rounded, resinous, opaque.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Orange, cherry red, blackish-red, anhedral, moderately worn to worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, Fe-stained, 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:  
Date:B.G.  
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**HEAVY MINERAL ANALYSIS SHEET****SAMPLE NO****333029****ASSESSMENT**Type of sample  
Head Weight  
Conc Weight -1.2+0.25mm  
Size fractions observed**NEGATIVE**STREAMSED  
21.78 kgs  
1140.5 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 blue, golden, transparent, sub/anhedral, tabular, blocky, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE			Tr		Orange, subtranslucent, anhedral, rounded.
CORUNDUM			Tr		Colourless, blue, sub/anhedral, prismatic, tabular, moderately worn to worn.
EPIDOTE			Tr		Rare. Yellow-green, subtranslucent, anhedral, moderately worn.
FE OXIDE/HYDROXIDE	100%	95%	88%		Yellow-brown, brown, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	10%		Silvery-black, sub/anhedral, subangular, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE			1%		Greyish, porcelain-like surface, blocky, moderately worn.
MAGNETITE		5%	1%		Brown, black, subangular, blocky.
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	Tr			Tan, orange-brown, sub-resinous.
PREHNITE					
PYROXENE					
RUTILE			Tr		Orange, dark red, subtranslucent, anhedral, blocky, worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Brown, transparent, anhedral, blocky, worn.
SULPHIDES					
TOURMALINE			Tr		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, pink, transparent, anhedral, rounded.

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

ROCK FRAGMENTS				
<b>COMMENTS:</b> + 0.8mm, ¼ split observed. + 0.4mm, ½ split observed. + 0.25mm, fully observed.				Observed by: S.M. Date: Dec. 1996.



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**333030**

### ASSESSMENT

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

### NEGATIVE

LOAM  
14.82 kgs  
95.2 grams  
-1.2+0.25 mm

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

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

<b>OTHER MINERALS</b>	% +0.8	% +0.4	% +0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Brown, yellow-brown, red-brown, dull, fractured fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, sub/anhydral, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare. Cherry red, well rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, well rounded.

ROCK FRAGMENTS				
<b>COMMENTS:</b>				Observed by: B.G. Date: Dec. 1996.



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## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**333031**

**ASSESSMENT**

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

**NEGATIVE**

STREAMSED  
21.48 kgs  
1413.1 grams  
-1.2+0.25 mm

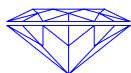
<b>KEY MINERALS</b>	% +0.8	% +0.4	% +0.25	mm	<b>BRIEF DESCRIPTION</b>
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

<b>OTHER MINERALS</b>	% +0.8	% +0.4	% +0.25	mm	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Red-brown, brown, yellow-brown, dull to polished pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			Tr		Silvery-black, sub/anhedral, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, anhedral, worn.
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, 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 ½ split) is 2 grains in a ½ split of the +0.25mm fraction

**COMMENTS:**

 Observed  
by:  
Date:

 B.G.  
Dec. 1996.

 DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-106.doc

## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**
**333032**
**ASSESSMENT**

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

**NEGATIVE**

 LOAM  
4.92 kgs  
0.69 grams  
-2.0+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					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Yellow-brown, moderately brown, dull.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE					
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			Tr		Rare. Black-brown, 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 ½ split) is 2 grains in a ½ split of the +0.25mm fraction

**COMMENTS:**

 Observed  
by:  
Date:

 L.F.  
Nov. 1996.

 DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-106.doc

## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**
**333033**
**ASSESSMENT**

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

**NEGATIVE**

 LOAM  
16.08 kgs  
1.49 grams  
-2.0+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	1 + 0.25mm, pale blue, well rounded.	
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	40%	Yellow-brown, well rounded.	
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			30%	Dull, worn subhedra.	
KYANITE					
LEUCOXENE			Tr	Beige, cream, well worn.	
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr	Red-orange, well rounded.	
PHOSPHATES			Tr	Orange, resinous, well rounded.	
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr	Rare, orange-brown, well worn.	
SULPHIDES					
TOURMALINE		Tr	30%	Well rounded, black-brown.	
XENOTIME					
ZIRCON			Tr	Colourless, well 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.  
Nov. 1996.

 DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-106.doc

## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**
**333034**
**ASSESSMENT**

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

**NEGATIVE**

 LOAM  
9.70 kgs  
0.98 grams  
-2.0+0.25 mm

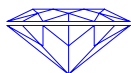
<b>KEY MINERALS</b>	% +0.8	% +0.4	% +0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

<b>OTHER MINERALS</b>	% +0.8	% +0.4	% +0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	75%		Yellow-brown fragments, dull, earthy.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			12%		Silvery-black, worn subhedra.
KYANITE					
LEUCOXENE			5%		After ilmenite, beige, worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			8%		Black-brown, colourless, well worn.
XENOTIME					
ZIRCON			Tr		Colourless, 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.  
Nov. 1996.

 DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-106.doc

## HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**
**333035**
**ASSESSMENT**

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

**NEGATIVE**

 LOAM  
11.14 kgs  
102.37 grams  
-2.0+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					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Angular shards and fragments, dull red-brown, yellow-brown.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Rare. Silvery-black, moderately worn to well worn.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Well rounded, black-brown grains.
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 ½ split) is 2 grains in a ½ split of the +0.25mm fraction

**COMMENTS:**

Observed  
by:  
Date:

L.F.  
Nov. 1996.