



DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

File: 96-109.doc

# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333036

## ASSESSMENT

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

## NEGATIVE

LOAM  
10.98 kgs  
2.9 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				
APATITE				
BARITE				
CALCITE				
CASSITERITE				
CORUNDUM				
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	100%	100%	Yellow-brown, brown, dull, angular, blocky, slightly to moderately worn.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE			Tr	Rare. Silvery-black, subhedral, blocky, moderately worn.
KYANITE				
LEUCOXENE			Tr	Light brown, greyish, anhedral, porcelain-like surface, moderately worn.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE			Tr	Rare. Dark red, subtranslucent, anhedral, blocky, worn.
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE			Tr	Black, brown, anhedral, rounded, blocky.
XENOTIME				
ZIRCON			Tr	Rare. Colourless, subhedral, prismatic, worn.
ROCK FRAGMENTS				

### COMMENTS:

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



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333037

## ASSESSMENT

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

## NEGATIVE

LOAM  
12.70 kgs  
1.0 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					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	85%		Yellow, pisolitic, studded with fine quartz.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			5%		Dull, worn, silvery-black.
KYANITE					
LEUCOXENE			Tr		
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Rare, resinous, worn.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			10%		Well rounded, black-brown grains.
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**

**333038**

## ASSESSMENT

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

## NEGATIVE

LOAM  
10.40 kgs  
91.0 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%	100%		Brown, reddish-brown, dull, angular, blocky, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			Tr		Silvery-black, anhedral, blocky, moderately worn.
KYANITE					
LEUCOXENE			Tr		Beige, sub/porcelain-like surface, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare. Orange, translucent, anhedral, blocky, moderately worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			Tr		Black, anhedral, rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					
<b>COMMENTS:</b>					Observed by: S.M. Date: Nov. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333039

## ASSESSMENT

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

## NEGATIVE

LOAM  
10.12 kgs  
0.9 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					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	85%		Dull, worn, red-brown.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			5%		Dull, worn subhedra, silvery-black.
KYANITE					
LEUCOXENE			Tr		After ilmenite, well worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			10%		Black-brown, well rounded, near spherical.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					
COMMENTS:					Observed by: L.F. Date: Nov. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333040

## ASSESSMENT

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

## NEGATIVE

LOAM  
11.50 kgs  
7.4 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					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr	1 + 0.25mm, hexagonal, flat, palest blue, inclusions, worn.	
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	85%		
GARNET			Tr	Palest pink, well worn.	
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	10%	Dull, silvery-black, worn subhedra.	
KYANITE					
LEUCOXENE			Tr	Beige, cream, well worn.	
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	5%	Well rounded, black-brown grains.	
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

333041

## ASSESSMENT

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

## NEGATIVE

LOAM  
7.50 kgs  
0.6 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					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	85%		Dull, yellow-brown.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			15%		Dull, silvery-black, worn.
KYANITE					
LEUCOXENE			Tr		Beige, polished, worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			Tr		Well rounded, black-brown.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					
COMMENTS:					Observed by: L.F. Date: Nov. 1996



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333042

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
23.68 kgs  
374.6 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			Tr		Rare. Black-green to mid-green, rounded laths, moderately worn.
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		Rare. Yellow-green, translucent, moderately worn.
FE OXIDE/HYDROXIDE	100%	100%	100%		Yellow-brown, red-brown, dull pisolites.
GARNET			Tr		1 +0.25mm, Almandine. Pale pinkish-orange, anhedral, moderately worn.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, sub/anhedral, moderately worn.
KYANITE					
LEUCOXENE			Tr		Cream, blue-grey, beige, porcelain-like surface.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Rare. Orange, resinous, spherical, opaque.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare. Cherry red, worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare. Orange-brown, anhedral, worn.
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Orange, colourless, well rounded, rarely subhedral.
ANDALUSITE			Tr		Rare. Flesh pink, rounded.
Al SILICATE			Tr		Yellow, colourless, anhedral, rounded, moderately worn.
ROCK FRAGMENTS					

### COMMENTS:

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



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333043

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
24.92 kgs  
543.77 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			Tr		Creamy-white, opaque.
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Rare. Palest blue, worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	75%	75%	85%		Dull, red-brown, yellow-brown.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE			Tr		Dull, silvery-black, rounded, friable.
ILMENITE					
KYANITE					
LEUCOXENE					
MAGNETITE	25%	25%	15%		
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Silvery-black, well worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, well worn.
SULPHIDES					
TOURMALINE			Tr		Well rounded, black-brown grains.
XENOTIME					
ZIRCON			Tr		Colourless, Fe-stained, well worn.
ROCK FRAGMENTS					
COMMENTS:					Observed by: L.F. Date: Dec. 1996.





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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333044

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
23.64 kgs  
127.23 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			Tr		Green, translucent, anhedral, laths.
ANATASE			Tr		Yellow, translucent, anhedral, blocky, worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		Yellow, transparent, anhedral, blocky, moderately worn.
FE OXIDE/HYDROXIDE	100%	100%	92%		Yellow, reddish-brown, dull, subangular, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	5%		Silvery-black, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE			3%		Brown, greyish, tabular, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE					
XENOTIME					
ZIRCON			Tr		Colourless, some Fe-staining, anhedral, rounded.
ROCK FRAGMENTS					
COMMENTS:					Observed by: S.M. Date: Dec. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333045

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
20.60 kgs  
295.65 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	75%	75%	90%		Dull, red-brown, yellow-brown.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE			Tr		Rounded, finely crystalline aggregates, dull.
ILMENITE		Tr	Tr		Dull, well worn.
KYANITE					
LEUCOXENE					
MAGNETITE	25%	25%	10%		
MICA					
MN OXIDE	Tr	Tr	Tr		Well rounded, dull, grey-black.
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare, orange-brown.
SULPHIDES					
TOURMALINE			Tr		Well rounded, black-brown grains.
XENOTIME					
ZIRCON			Tr		Colourless, well rounded.
ROCK FRAGMENTS					

### COMMENTS:

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



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333046

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
17.14 kgs  
242.27 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%	95%		Yellow-brown to red-brown pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			5%		Silvery-black, moderately worn subhedra.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE	Tr	Tr	Tr		Dull, nodular, grey-black.
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	Tr		Well rounded, black-brown grains.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					
COMMENTS:					Observed by: L.F. Date: Dec. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333047

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
18.92 kgs  
73.62 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%	100%	40%		Reddish-brown, dull, earthy, subangular, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	55%		Silvery-black, sub/anhedral, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE			3%		Brown, sub/anhedral, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare, dark red, subtranslucent, anhedral, worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			2%		Brown-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

333048

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
24.94 kgs  
424.04 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 <b>absolute number</b> in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction	
<b>OTHER MINERALS</b>	+0.8	+0.4	+0.25	<b>mm</b>	<b>BRIEF DESCRIPTION</b>
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr	1 + 0.25mm, tabular, uneven-coloured blue.	
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	2%	Yellow-brown to red-brown pisolites.	
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		5%	98%	Silvery-black, moderately worn subhedra.	
KYANITE					
LEUCOXENE			Tr	After ilmenite, blocky, worn, beige to grey-green.	
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr	Rare, well worn, orange-brown.	
SULPHIDES					
TOURMALINE			Tr	Well rounded, black-brown grains.	
XENOTIME					
ZIRCON			Tr	Rare, colourless, worn subhedra.	
ROCK FRAGMENTS					
<b>COMMENTS:</b>				Observed by: Date:	L.F. Dec. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333049

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
17.72 kgs  
109.60 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%	85%		Red-brown, brown, yellow-brown, dull pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	15%		Silvery-black, sub/anhydral, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					
COMMENTS:					Observed by: B.G. Date: Dec. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333050

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
24.16 kgs  
234.76 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				

<b>OTHER MINERALS</b>	% +0.8	% +0.4	% +0.25	<b>BRIEF DESCRIPTION</b>
-----------------------	-----------	-----------	------------	--------------------------

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

AMPHIBOLE				
ANATASE				
APATITE				
BARITE				
CALCITE				
CASSITERITE				
CORUNDUM			Tr	Rare, blue, transparent, anhedral, worn.
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	100%	82%	Yellow, reddish-brown, dull, blocky, rounded.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE		Tr	15%	Silvery-black, sub/anhedral, subangular, tabular, blocky, moderately worn.
KYANITE				
LEUCOXENE			2%	Beige, brown, greyish, dull to sub/porcelain-like, moderately worn.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE			Tr	Rare, cherry red, subtranslucent, anhedral, rounded, worn.
SPHENE				
SPINEL				
STAUROLITE			Tr	Brown, transparent, anhedral, blocky, worn.
SULPHIDES				
TOURMALINE		Tr	1%	Brown-black, anhedral, rounded.
XENOTIME				
ZIRCON			Tr	Colourless, transparent, anhedral, rounded.
ANDALUSITE			Tr	Pale pink, transparent, subangular, worn.
ROCK FRAGMENTS				

### COMMENTS:

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



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333051

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
24.22 kgs  
360.88 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%	67%	10%		Reddish-brown, dull, subangular, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	30%	87%		Silvery-black, sub/anhedral, subangular, blocky, moderately worn.
KYANITE					
LEUCOXENE		3%	3%		Greyish, brown, dull to porcelain-like, blocky, worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Brown, transparent, anhedral, blocky, worn.
SULPHIDES					
TOURMALINE	Tr	Tr	Tr		Brown, brown-black, anhedral, rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, some Fe-staining, transparent, anhedral, rounded.
ROCK FRAGMENTS					

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

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





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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333052

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
18.78 kgs  
222.64 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%	45%	5%		Dull, red-brown, many pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		55%	95%		Moderately worn, silvery-black subhedra.
KYANITE					
LEUCOXENE			Tr		After ilmenite, beige, grey-green.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Red-orange, resinous, well rounded, opaques, rare.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare, orange-brown, well worn, small black inclusions.
SULPHIDES					
TOURMALINE		Tr	Tr		Well rounded, black-brown grains.
XENOTIME					
ZIRCON			Tr		Colourless, well worn.
ROCK FRAGMENTS					
COMMENTS: -0.4mm + 0.25mm, ¼ split observed.					Observed by: L.F. Date: Dec. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333053

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
21.44 kgs  
269.70 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					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	5%	3%		Yellow-brown, red-brown, dull.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	95%	95%		Abundance of silvery-black, moderately worn subhedra.
KYANITE					
LEUCOXENE		Tr	2%		After ilmenite, beige, brown, grey-green.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE	Tr		Tr		Well rounded, resinous, orange-red.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare, orange-brown, well worn.
SULPHIDES					
TOURMALINE			Tr		Well rounded, black-brown grains.
XENOTIME					
ZIRCON			Tr		Colourless to reddish-orange, well rounded, rare, worn, prismatic subhedra.
ROCK FRAGMENTS					

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

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



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333054

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
21.02 kgs  
98.53 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			Tr		Rare. Pale blue, tabular, worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE		97%	60%		Red-brown, yellow-brown, dull, pisolitic, fractured, rare pseudomorphs after pyrite.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		3%	37%		Silvery-black, sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE			Tr		Beige, brown, grey-green, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, rounded.
SULPHIDES		Tr	Tr		Pyrite - granular, also crystal masses, tarnished, altered.
TOURMALINE		Tr	3%		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Rare, orange, colourless, well rounded.
ROCK FRAGMENTS					

## COMMENTS:

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



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333055

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
18.80 kgs  
1270.26 grams  
-1.2+0.25 mm

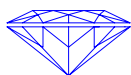
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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, blue, translucent, subhedral, blocky, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		Yellow-green, subtranslucent, anhedral, blocky, moderately worn.
FE OXIDE/HYDROXIDE	100%	1%	Tr		Reddish-brown, brown, dull, blocky, rounded.
GARNET			Tr		Almandine/grossular - pink, transparent, subangular, worn.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	99%	100%		Silvery-black, black, sub/anhedral, subangular, blocky, tabular, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, greyish, brown, subangular, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	Tr	Tr		Orange, orange-brown, resinous, opaque, anhedral.
PREHNITE					
PYROXENE			Tr		Greyish-brown, pale brown, brown, olive green, transparent, anhedral, blocky, moderately worn.
RUTILE			Tr		Cherry red, orange-red, subtranslucent, anhedral, rounded.
STAUROLITE			Tr		Golden brown, transparent, anhedral, blocky, worn.
SULPHIDES		Tr	Tr		Dull, brassy yellow, blocky, moderately worn.
TOURMALINE	Tr	Tr	Tr		Blue, brown-black, anhedral, rounded.
ZIRCON		Tr	Tr		Colourless, some Fe-staining, anhedral, rounded.
ROCK FRAGMENTS					

**COMMENTS:** Conc has been MAG separated.  
N/M + 0.8 fully observed.  
+ 0.4 fully observed.  
+ 0.25, ¼ split observed.  
M 6/7 + 0.8 fully observed.  
+ 0.4, ½ split observed  
+ 0.25, 1/16 split observed.  
M 4/5 + 0.8 fully observed  
+ 0.4, 1/64 split observed.  
+ 0.25, 1/512 split observed.

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



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333056

## ASSESSMENT

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

## POSS KIMB

STREAMSED  
24.76 kgs  
736.27 grams  
-1.2+0.25 mm

KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE			Tr	1 + 0.25mm in ¼ split, pale apple green, blocky, worn.	
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, blue, translucent, subhedral, blocky, moderately worn.	
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr	Rare, yellow-green, subtranslucent, anhedral, blocky, moderately worn.	
FE OXIDE/HYDROXIDE	99%	3%	Tr	Reddish-brown, brown, blocky, rounded, dull.	
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	1%	96%	99%	Silvery-black, sub/anhedral, subangular, tabular, blocky, moderately worn.	
KYANITE					
LEUCOXENE	Tr	1%	1%	Beige, greyish, brown, dull to porcelain-like surface.	
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr	Orange-brown, resinous, opaque, anhedral, worn.	
PREHNITE					
PYROXENE			Tr	Greenish-brown, pale apple green, transparent, anhedral, blocky, laths.	
RUTILE			Tr	Orange, subtranslucent, anhedral, rounded.	
STAUROLITE			Tr	Golden brown, transparent, anhedral, blocky, worn.	
SULPHIDES			Tr	Dull, brassy, blocky aggregates.	
TOURMALINE	Tr	Tr	Tr	Black-brown, black, anhedral, rounded.	
XENOTIME					
ZIRCON					

**COMMENTS:** Conc has been MAG separated.  
+ 0.8mm fully observed.  
N/M + 0.4 + 0.25mm, ¼ split observed.  
M 6/7 + 0.4 + 0.25mm, 1/8 split observed.  
M 4/5 + 0.4mm, 1/64 split observed.  
+ 0.25mm, 1/128 split observed.

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



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333057

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
21.14 kgs  
780.58 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		Rare, pale blue, well worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	80%	45%		Dull, red-brown.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		5%	40%		Dull, silvery-black, worn subhedra.
KYANITE					
LEUCOXENE			Tr		After ilmenite.
MAGNETITE	Tr	15%	15%		
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare, honey brown, well worn, translucent.
SULPHIDES					
TOURMALINE			Tr		Well rounded, black-brown grains.
XENOTIME					
ZIRCON			Tr		Colourless, well rounded.
ROCK FRAGMENTS					

COMMENTS: -1.2 + 0.8mm, ¼ split observed.

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



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333058

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
24.38 kgs  
909.96 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			Tr		Green, translucent, anhedral lath, moderately worn.
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	3%	Tr		Reddish-brown, blocky, rounded.
GARNET			Tr		Almandine, pale pink, anhedral, subangular, moderately worn.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		96%	100%		Silvery-black, sub/anhedral, subangular, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE	Tr	1%	Tr		Beige, brown, greyish, dull to sub/porcelain-like surface.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Orange-red, subtranslucent, anhedral, rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden brown, translucent, anhedral, blocky, worn.
SULPHIDES					
TOURMALINE	Tr	Tr	Tr		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					

**COMMENTS:** Conc has been MAG separated.  
N/M + 0.8, + 0.4mm fully observed.  
+ 0.25mm, ¼ split observed.  
M 6/7 + 0.8, + 0.4mm fully observed.  
+ 0.25mm, ¼ split observed.  
M 4/5 + 0.8mm fully observed.  
+ 0.4, + 0.25mm, 1/128 split observed.

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



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333059

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
12.42 kgs  
540.64 grams  
-1.2+0.25 mm

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

% % %

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Rare. Golden, transparent, subhedral, tabular, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Pale blue, transparent, anhedral, blocky, worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	97%	64%		Reddish-brown, brown, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		3%	30%		Silvery-black, sub/anhedral, subangular, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE		Tr	5%		Greyish, brown, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	Tr			Orange, orange-brown, resinous, opaque, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	1%		Brown-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**

**333060**

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
24.60 kgs  
167.62 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. Golden, transparent, subhedral, tabular, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	10%	1%		Reddish-brown, dull, subangular, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	84%	94%		Silvery-black, sub/anedral, subangular, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE	Tr	5%	5%		Brown, beige, greyish, blocky, tabular, moderately worn.
MAGNETITE		1%	Tr		Black, brown, blocky, moderately worn.
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE					
XENOTIME					
ZIRCON			Tr		Colourless, pale pink, transparent, anhedral, blocky, worn.
ROCK FRAGMENTS					

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

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



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333061

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
21.92 kgs  
118.27 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%	45%	10%		Brown, reddish-brown, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	50%	65%		Silvery-black, sub/anhedral, subangular, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE		5%	25%		Greyish, brown, 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					
ROCK FRAGMENTS					

**COMMENTS:**  
+ 0.8mm fully observed.  
+ 0.4mm, ½ split observed.  
+ 0.25mm, 1/8 split observed.

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



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# HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**333062**

## ASSESSMENT

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

## NEGATIVE

LOAM  
16.28 kgs  
6.86 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%	40%	Tr		Brown, yellow-brown, red-brown, dull, fractured fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		60%	85%		Silvery-black, dull sub/anhedra, partially leucoxenised, moderately worn.
KYANITE					
LEUCOXENE		Tr	15%		Beige, grey-green, brown, sub/porcelain-like surface, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare. Orange-red, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON					
ANDALUSITE			Tr		Rare. Palest pink, rounded, transparent.
ROCK FRAGMENTS					

### COMMENTS:

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



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333063

## ASSESSMENT

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

## NEGATIVE

LOAM  
20.82 kgs  
23.97 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, palest blue, pale golden yellow, well worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		Rare, yellow-green, worn.
FE OXIDE/HYDROXIDE	100%	20%	Tr		Dull, red to yellow-brown, many pisolitic.
GARNET					
GOLD					
GORCEIXITE			Tr		Red-orange, resinous, opaque.
HAEMATITE					
ILMENITE		70%	85%		Dull, silvery-black, worn subhedra.
KYANITE					
LEUCOXENE		10%	15%		Beige to dark-brown, smooth, worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare, honey brown, well worn.
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, worn subhedra.
ROCK FRAGMENTS					

### COMMENTS:

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



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333064

## ASSESSMENT

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

## NEGATIVE

LOAM  
15.16 kgs  
0.36 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		Rare. Golden, subhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		1 + 0.25mm, yellow, anhedral, translucent, moderately worn.
FE OXIDE/HYDROXIDE	100%	75%	5%		Red-brown, yellow-brown, grey, earthy, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		25%	38%		Silvery-black, dull, sub/anhedral, moderately worn.
KYANITE					
LEUCOXENE		Tr	55%		Beige, grey-brown, cream, dull to porcelain-like surfaces, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare. Dull black, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	2%		Black-brown, well rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					
COMMENTS:					Observed by: Date:
					B.G. Dec. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333065

## ASSESSMENT

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

## NEGATIVE

LOAM  
20.26 kgs  
18.35 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		Golden, translucent, sub/anhedral, tabular, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	74%	5%		Reddish-brown, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	16%	79%		Silvery-black, sub/anhedral, tabular, subangular, blocky, moderately worn.
KYANITE					
LEUCOXENE		10%	15%		Beige, brown, greyish, blocky, tabular, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Orange, brown, pinkish-orange, resinous, opaque, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	1%		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, orange, Fe-stained, translucent, anhedral, rounded.
ROCK FRAGMENTS					

### COMMENTS:

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



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333066

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
16.66 kgs  
78.37 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		Rare, grey, tabular, well worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Rare, palest blue-grey, well worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	20%		Dull, red-brown, many pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	65%		Abundance of dull, silvery-black, worn subhedra.
KYANITE					
LEUCOXENE		Tr	Tr		After ilmenite, beige, grey, worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Cherry red to silvery-black, near spherical.
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare, orange-brown, honey brown, well worn.
SULPHIDES					
TOURMALINE		Tr	15%		Black-brown, near spherical.
XENOTIME					
ZIRCON			Tr		Rare, colourless, Fe-stained, near spherical.
ROCK FRAGMENTS					

### COMMENTS:

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



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333067

## ASSESSMENT

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

## NEGATIVE

LOAM  
9.76 kgs  
14.95 grams  
All+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 orange, well worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	68%		Dull, yellow-brown, brown, grey, fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			30%		Dull, silvery-black, moderately worn subhedra.
KYANITE					
LEUCOXENE			Tr		Beige, cream, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Well worn, silvery-black.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, honey brown, well worn.
SULPHIDES					
TOURMALINE			2%		Well rounded, black-brown grains.
XENOTIME					
ZIRCON			Tr		Colourless, yellowish, Fe-stained, ovate.
ROCK FRAGMENTS					
COMMENTS:					Observed L.F. by: Dec. 1996. Date:





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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333068

## ASSESSMENT

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

## NEGATIVE

LOAM  
13.44 kgs  
0.41 grams  
All+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%	80%		Dull, angular fragments, reddish-brown, brown, grey.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			Tr		Dull, moderately fresh subhedra, some more worn.
KYANITE					
LEUCOXENE			10%		After ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			10%		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, Fe-stained, well rounded to ovate.
ROCK FRAGMENTS					
COMMENTS:					Observed L.F. by: Dec. 1996. Date:



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333069

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
15.56 kgs  
204.38 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%	99%		Red-brown, yellow-brown, pisolitic/fragmented.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, sub/anhedral, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare, orange-brown, rounded.
SULPHIDES					
TOURMALINE		Tr	1%		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Rare. Orange, colourless, well rounded.
ROCK FRAGMENTS					
COMMENTS:					Observed by: B.G. Date: Dec. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333070

## ASSESSMENT

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

## NEGATIVE

LOAM  
21.90 kgs  
373.07 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					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Red-brown, grey-black, yellow-brown, polished to dull, nodular.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Rare. Silvery-black, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr			Rare. Creamy orange, blocky, resinous, opaque.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Rare. Black-brown, well rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					
COMMENTS: -2.0 + 0.4mm fully observed. -0.4 + 0.25mm, ¼ split observed.					Observed by: B.G. Date: Dec. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333071

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
21.04 kgs  
32.22 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		Pale grey-blue, anhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	95%		Red-brown, yellow-brown, dull, pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	3%		Silvery-black, sub/anhedral, moderately worn.
KYANITE					
LEUCOXENE			Tr		Beige, brown, grey, dull.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Cream, orange, orange-brown, resinous opaques.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	2%		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, palest pink, orange, well rounded, rarely subhedral.
ROCK FRAGMENTS					

## COMMENTS:

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



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333072

## ASSESSMENT

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

## POSS KIMB

STREAMSED  
26.68 kgs  
120.14 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			Tr		1 + 0.25mm, brownish-black, broken, subhedral, dull, fine cokey surface.
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			Tr		Rare. Yellow, blue, sub/anhedral, moderately worn.
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Palest blue-grey, grey, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	95%		Red-brown, yellow-brown, dull pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	5%		Silvery-black, sub/anhedral, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, anhedral, worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, blocky to rounded, moderately worn.
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Orange, colourless, well rounded.
ROCK FRAGMENTS					

### COMMENTS:

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



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333073

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
19.38 kgs  
165.24 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		Blue, yellow/blue, anhedral, moderately worn.
APATITE					
BARITE		Tr	Tr		Cream, tabular, subtranslucent to translucent, frosted, moderately worn.
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Mauve-blue, blue, colourless, subangular to rounded.
EPIDOTE			Tr		Pale yellow-green, translucent, rare.
FE OXIDE/HYDROXIDE	100%	100%	98%		Red-brown, yellow-brown, dull, pisolitic.
GARNET			Tr		1 + 0.25mm, spessartine - palest orange fragment.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	2%		Silvery-black, sub/anhedral, moderately worn.
KYANITE			Tr		Rare. Fe-stained, bladed, worn.
LEUCOXENE		Tr	Tr		Beige, cream, grey-green, porcelain-like surfaces.
MAGNETITE					
MICA					
MN OXIDE			Tr		Dull grey, rounded.
MONAZITE					
PHOSPHATES			Tr		Rare. Pale orange, resinous, opaque.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Blackish-red, cherry red, rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, worn.
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Orange, beige, palest pink, subhedral, more commonly well rounded.
ROCK FRAGMENTS					

## COMMENTS:

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



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333074

## ASSESSMENT

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

## POSS KIMB

STREAMSED  
22.26 kgs  
233.28 grams  
-1.2+0.25 mm

KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr	2 + 0.25mm	well rounded, brownish, very friable and 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	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Orange, ovate and worn, strong greasy lustre.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		1 + 0.25mm, palest grey-blue, transparent, vitreous.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	65%		Yellow-brown, red-brown, chocolate brown, pisolitic.
GARNET			Tr		1 + 0.25mm, palest pink, worn anhedral.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	30%		Dull, silvery-black subhedra.
KYANITE					
LEUCOXENE			Tr		After ilmenite, grey-green, beige, worn.
MAGNETITE					
MICA					
MN OXIDE		Tr	5%		Dull, grey-black, nodular.
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, well worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			Tr		Near spherical, black-brown grains.
XENOTIME					
ZIRCON			Tr		Rare, colourless, well worn.
ROCK FRAGMENTS					

### COMMENTS:

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



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333075

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
23.42 kgs  
1012.29 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. Grey, anhedral, subtranslucent.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	95%		Red-brown, yellow-brown, pisolitic, fragmented.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	5%		Silvery-black, sub/anhedral, moderately worn.
KYANITE					
LEUCOXENE			Tr		Grey-blue, beige, sub/porcelain-like surface.
MAGNETITE					
MICA					
MN OXIDE			Tr		Dull black.
MONAZITE			Tr		Pale orange, orange well rounded, resinous.
PHOSPHATES					
PREHNITE					
PYROXENE			Tr		1 + 0.25mm, pale brown lath, striate, subtranslucent.
RUTILE		Tr	Tr		Brownish-black, cherry red, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Orange, colourless, beige, well rounded, rare subhedra.
ROCK FRAGMENTS					

## COMMENTS:

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





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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333076

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
21.52 kgs  
557.54 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%	55%		Yellow-brown, pisolitic, dull.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE		Tr	Tr		Flaky aggregates, silvery-black with reddish tints.
ILMENITE		Tr	45%		Dull, silvery-black, worn subhedra.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, near spherical.
XENOTIME					
ZIRCON			Tr		Colourless, Fe-stained, well rounded, worn.
ROCK FRAGMENTS					

## COMMENTS:

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



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333077

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
32.90 kgs  
49.19 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	1 + 0.25mm, palest blue, tabular, hexagonal, worn.	
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	95%		Dull, reddish-brown, many pisolitic, some yellow-brown.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE	Tr	Tr	Tr		Specular aggregates of silvery-grey flakes.
ILMENITE			Tr		Well worn, silvery-black.
KYANITE					
LEUCOXENE			Tr		Well worn, beige, cream, opaque.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Reddish-orange, well rounded to near spherical.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare, cherry red, sub-rounded to rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare, orange-brown, worn, translucent.
SULPHIDES					
TOURMALINE			5%		Near spherical, black-brown grains.
XENOTIME					
ZIRCON			Tr		Colourless, worn subhedra, often Fe-stained.
ROCK FRAGMENTS					
COMMENTS:					Observed by: L.F. Date: Dec. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333078

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
36.34 kgs  
289.94 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			Tr		Yellow-green, translucent, moderately worn.
FE OXIDE/HYDROXIDE	100%	100%	95%		Yellow-brown, red-brown.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE		Tr	Tr		Rare. Specular, platy, silvery-grey to black.
ILMENITE		Tr	5%		Silvery-black, sub/anhedra, moderately worn, tabular.
KYANITE					
LEUCOXENE			Tr		After ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Rare. Orange, resinous, well rounded, opaque.
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare. Cherry red, anhedral, moderately worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Orange, colourless, well rounded.
ROCK FRAGMENTS					

## COMMENTS:

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



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333079

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
16.00 kgs  
310.78 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		Rare. Beige, yellow, anhedral, moderately worn to worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	90%		Red-brown, yellow-brown, dull pisolites/fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	7%		Silvery-black, sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE			Tr		Beige, grey-green, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE			Tr		Dull, grey-black.
MONAZITE					
PHOSPHATES			Tr		Rare. Orange, orange-red, resinous, subtranslucent to opaque.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare. Orange-brown, rounded.
SULPHIDES					
TOURMALINE		Tr	3%		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Pale pink, orange, colourless, well rounded.
ROCK FRAGMENTS					

## COMMENTS:

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



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333080

## ASSESSMENT

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

## NEGATIVE

LOAM  
19.56 kgs  
224.97 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					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	60%		Brown, red-brown, well rounded, blocky, dull.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	20%		Silvery-black, tabular, angular, some altered ilmenite.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	20%		Black-brown, well rounded, opaque.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					
COMMENTS:					Observed by: J.D. Date: Dec. 1996.



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333081

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
16.62 kgs  
304.58 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					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Colourless, tabular, included.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	60%		Brown, red-brown, tan, rounded, angular.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	30%		Silvery-black, tabular, angular, blocky, some altered ilmenite.
KYANITE					
LEUCOXENE			Tr		Beige, grey-green, cream, rounded.
MAGNETITE					
MICA					
MN OXIDE		Tr			Dull grey-black, angular.
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Black, cherry red, elongate, opaque.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, included, frosted, subhedral.
SULPHIDES					
TOURMALINE		Tr	10%		Black-brown, brown, well rounded.
XENOTIME					
ZIRCON			Tr		Honey brown, pale peach, rounded, subhedral.
ROCK FRAGMENTS					

### COMMENTS:

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



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# HEAVY MINERAL ANALYSIS SHEET

**SAMPLE NO**

**333082**

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
19.36 kgs  
78.78 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			Tr		Rare. Beige, sub/anhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Colourless, blue, angular, hexagonal, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	75%		Yellow-brown, red-brown, dull, pisolites/fragments.
GARNET			Tr		1 + 0.25mm, pale pink, blocky, low Mg content.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	15%		Silvery-black, sub/anhedra, tabular, moderately worn.
KYANITE					
LEUCOXENE			Tr		Grey-green, beige, porcelain-like surface.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Orange, well rounded, resinous opaques.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare. Orange-red, worn.
SPHENE					
SPINEL					
STAUROLITE		Tr	Tr		Dark orange-brown, rounded.
SULPHIDES					
TOURMALINE		Tr	5%		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Orange, beige, well rounded, rare subhedra.
SIDERITE.		5%	5%		Yellowish-brown, orange-brown, spherical, often twinned, clustered, subtranslucent to opaque.
ROCK FRAGMENTS					

## COMMENTS:

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



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333083

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
23.92 kgs  
509.91 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%	85%		Dull, red-brown, yellow-brown, mostly pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	15%		Dull, silvery-black, subhedra.
KYANITE					
LEUCOXENE			Tr		After ilmenite, grey-green, beige, dull.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, rare, well worn.
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, Fe-stained, rarely pink, well worn.
SIDERITE	Tr				
ROCK FRAGMENTS					

### COMMENTS:

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





DIATECH  
Ph 61 9 361 2596  
Fx 61 9 470 1504

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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333084

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
25.26 kgs  
326.11 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. Blue, subhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Rare. Colourless/blue, subangular, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	95%		Yellow-brown, red-brown, dull pisolitic/fragmented.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	5%		Silvery-black, sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE			Tr		Grey-green, beige, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare. Orange-brown, rounded.
SULPHIDES					
TOURMALINE			Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Rare. Orange, colourless, well rounded.
ANDALUSITE			Tr		Palest pink, subangular, moderately worn.
ROCK FRAGMENTS					

### COMMENTS:

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



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# HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333085

## ASSESSMENT

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

## NEGATIVE

STREAMSED  
17.80 kgs  
194.10 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					
APATITE					
BARITE		Tr			White, frosted, granular.
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Pale blue, tabular.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	75%		Brown, red-brown, tan, rounded, blocky, angular.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	20%		Silvery-black, tabular, angular, grooved.
KYANITE					
LEUCOXENE			Tr		Beige, opaque, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, elongate, subtranslucent.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, frosted, some included, elongate.
SULPHIDES					
TOURMALINE		Tr	5%		Black-brown, brown, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless/brown, well rounded. Rare.
ANDALUSITE.			Tr		Rare. Pale flesh pink, rounded fragment.
ROCK FRAGMENTS					

## COMMENTS:

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