



DIATECH
Ph 61 9 361 2596
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File: 96-112.doc

HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333086

ASSESSMENT

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

NEGATIVE

STREAMSED
11.60 kgs
219.4 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%		Brown, red-brown, black-brown, dull earthy fragments, rounded, blocky.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			Tr		Silvery-black, tabular, rounded, angular.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE					
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					

COMMENTS: -0.4mm + 0.25mm, ½ split observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333087

ASSESSMENT

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

NEGATIVE

STREAMSED
12.14 kgs
745.5 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%	95%		Brown, Red-brown, tan, rounded, blocky.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	5%		Silvery-black, tabular, angular, blocky.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE					
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					
COMMENTS: -1.2 + 0.25mm, ¼ split observed.					
				Observed by:	J.D.
				Date:	Jan. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333088

ASSESSMENT

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

NEGATIVE

STREAMSED
21.06 kgs
780.9 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					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Rare, blue, transparent, subhedral, tabular, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	98%		Yellow, reddish-brown, dull, subangular, rounded, worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	1%		Silvery-black, sub/anhedral, subangular, tabular, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden brown, transparent, anhedral, blocky, moderately worn.
SULPHIDES					
TOURMALINE			1%		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON			Tr		Reddish-brown, colourless, Fe-stained, anhedral, rounded.
ROCK FRAGMENTS					
COMMENTS:	-2.0 + 1.2mm, ½ split observed. -1.2mm + 0.25mm, fully observed.				Observed by: S.M. Date: Jan. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333089

ASSESSMENT

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

NEGATIVE

STREAMSED
19.08 kgs
655.1 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-grey, opaque, tabular.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Colourless, tabular, rounded.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	80%		Brown, tan, rounded, blocky, some pseudomorphs after pyrite.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	15%		Silvery-black, tabular, blocky, angular, grooved.
KYANITE					
LEUCOXENE			Tr		Grey, opaque, blocky.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, black, elongate, rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, frosted, included.
SULPHIDES					
TOURMALINE		Tr	5%		Brown, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, rounded, translucent.
ROCK FRAGMENTS					

COMMENTS: -2.0 + 1.2mm, ¼ split observed.

Observed J.D.
by: Jan. 1997.
Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333090

ASSESSMENT

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

NEGATIVE

STREAMSED
16.56 kgs
15.2 grams
-1.2+0.25 mm

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

% % %

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	98%		Reddish-brown, brown, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			2%		Silvery-black, sub/anedral, tabular, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE					
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					
COMMENTS:					Observed S.M. by: Jan. 1997. Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333091

ASSESSMENT

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

NEGATIVE

STREAMSED
22.74 kgs
4.1 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					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	99%	25%		Brown, red-brown, tan, rounded, angular.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		1%	60%		Silvery-black, tabular, blocky, grooved.
KYANITE					
LEUCOXENE		Tr	5%		Beige, cream, opaque, rounded, blocky.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	10%		Black-brown, brown, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, honey brown, rounded, rare subhedral.
ROCK FRAGMENTS					
COMMENTS:					Observed J.D. by: Jan. 1997 Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333092

ASSESSMENT

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

NEGATIVE

STREAMSED
18.00 kgs
1850.9 grams
-1.2+0.25 mm

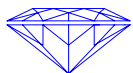
KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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		Tr	Tr		Black-green, dark green, rounded, fibrous.
ANATASE					
APATITE			Tr		Pale greyish, rounded, translucent.
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE		Tr	3%		Yellow-green, sub/anhedral, subtranslucent.
FE OXIDE/HYDROXIDE	100%	100%	70%		Brown, red-brown, rounded, blocky, some pseudomorphs after pyrite.
GARNET			Tr		Spessartine, almandine - pale pink, orange-pink, orange, sub/an/euhedral.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	25%		Silvery-black, tabular, angular.
KYANITE					
LEUCOXENE			Tr		Beige, opaque, blocky.
MAGNETITE					
MICA					
MN OXIDE		Tr	Tr		Dull, grey-black, rounded.
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, elongate, rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, frosted, blocky.
SULPHIDES					
TOURMALINE		Tr	2%		Brown, black-brown, well rounded.
XENOTIME					
ZIRCON					
ANDALUSITE		Tr			Pale pink, included, blocky.
SILLIMANITE		Tr	Tr		Colourless, tabular, striate.
ROCK FRAGMENTS					

COMMENTS: Conc has been MAG separated.
N/M ½ split observed.
M 6/7, 1/16 split observed.
M 4/5, ¼ split observed.

Observed by: J.D.
Date: Jan. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333093

ASSESSMENT

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

NEGATIVE

STREAMSED
18.10 kgs
303.57 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%	99%	55%		Brown, red-brown, tan, rounded, blocky, earthy angular fragment
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE		Tr	Tr		Black, blocky, specular.
ILMENITE		1%	45%		Silvery-black, tabular, angular, blocky.
KYANITE					
LEUCOXENE			Tr		Beige, angular, opaque.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE			Tr		Greyish-green, rounded, blocky, weathered.
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, pale brown, well rounded.
XENOTIME					
ZIRCON					
ANDALUSITE			Tr		Rare. Pale pink, fractured fragment.
ROCK FRAGMENTS					

COMMENTS: -0.4mm + 0.25mm, ½ split observed.

Observed by: J.D.
Date: Jan. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333094

ASSESSMENT

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

NEGATIVE

STREAMSED
19.14 kgs
243.8 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
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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		Tr			Rare. Yellow-green, translucent, moderately worn.
FE OXIDE/HYDROXIDE	100%	100%	100%		Brown, yellow-brown, red-brown, grey-black, dull, pisolitic, rare pseudomorphs after pyrite.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			Tr		Rare. Silvery-black, tabular, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE		Tr			1 + 0.4mm, pale yellow-beige, blocky, lath-like, moderately worn.
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare. Orange-brown, rounded.
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					

COMMENTS: -2.0 + 0.8mm fully observed.
-0.8 + 0.25mm, ¼ split observed.

Observed by: B.G.
Date: Jan. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333095

ASSESSMENT

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

NEGATIVE

STREAMSED
22.40 kgs
821.46 grams
-1.2+0.25 mm

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

% % %

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	85%	55%		Brown, red-brown, rounded, blocky, angular fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		15%	45%		Silvery-black, tabular, angular, grooved.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE		Tr	Tr		Pale brown, elongate, subtranslucent, fibrous.
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE					
XENOTIME					
ZIRCON			Tr		Colourless, rounded, slight frosting.
ROCK FRAGMENTS					
COMMENTS:	-0.8mm + 0.4mm, 1/3 split observed. -0.4mm + 0.25mm, 1/8 split observed.				Observed J.D. by: Jan. 1997. Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333096

ASSESSMENT

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

NEGATIVE

STREAMSED
17.98 kgs
805.83 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%	60%		Yellow-brown, brown, red-brown, dull, pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	40%		Silvery-black, sub/anedral, tabular, moderately worn.
KYANITE					
LEUCOXENE			Tr		Rare. Grey-green, porcelain-like surface.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE					
XENOTIME					
ZIRCON					
SIDERITE			Tr		Rare. Pale creamy-orange, brown, well rounded, finely granular
ROCK FRAGMENTS					

COMMENTS:
-1.2 + 0.8mm fully observed.
-0.8 + 0.4mm, 1/8 split observed.
-0.4 + 0.25mm, 1/16 split observed.

Observed by: B.G.
Date: Jan. 1997



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333097

ASSESSMENT

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

NEGATIVE

LOAM
15.26 kgs
7.19 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			Tr		Rare, pale blue, subtranslucent, subhedral, blocky, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	70%	15%		Yellow, reddish-brown, dull, blocky, rounded.
GARNET		Tr			Rare, low Mg, Almandine - pink, transparent, blocky, moderately worn.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		30%	77%		Silvery-black, sub/anhedral, subangular, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Orange, resinous, opaque, blocky, worn.
PREHNITE					
PYROXENE			Tr		Pale brown, subtranslucent, anhedral, blocky, lath, moderately worn.
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden brown, transparent, anhedral, blocky, worn.
SULPHIDES					
TOURMALINE		Tr	8%		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, reddish-brown, anhedral, rounded.
ANDALUSITE			Tr		Pink, transparent, anhedral, blocky, worn.
ROCK FRAGMENTS					

COMMENTS:

Observed by: S.M.
Date: Jan. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333098

ASSESSMENT

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

NEGATIVE

LOAM
16.98 kgs
11.36 grams
-1.2+0.25 mm

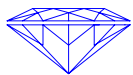
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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%	70%	15%		Brown, tan, rounded, blocky, angular.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		25%	83%		Silvery-black, tabular, angular, grooved.
KYANITE					
LEUCOXENE			1%		Beige, cream, opaque, blocky, rounded.
MAGNETITE		5%	Tr		Grey-black, blocky, stepped, sub/anhedral.
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Pale orange, rounded, resinous.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, included, rounded, frosted.
SULPHIDES					
TOURMALINE		Tr	1%		Black-brown, brown, well rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					

COMMENTS:

Observed by: J.D.
Date: Jan. 1997



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333099

ASSESSMENT

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

NEGATIVE

STREAMSED
20.46 kgs
1021.77 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					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Rare. Blue, grey-blue, subhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	99%	50%		Red-brown, yellow-brown, brown, pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		1%	45%		Silvery-black, sub/anhedral, moderately worn.
KYANITE					
LEUCOXENE			Tr		Beige, blue-grey, porcelain-like surfaces.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Rare. Orange, resinous.
PREHNITE					
PYROXENE		Tr	5%		Pale yellow to yellow-brown, translucent to semi-opaque, often fibrous, lath-like to more rounded.
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					

COMMENTS:
-1.2 + 0.8mm, fully observed.
-0.8 + 0.25mm has been MAG separated.
M1,2,3 scalp not observed
NM -0.8 + 0.25mm fully observed.
M6/7 -0.8 + 0.25mm, 1/8 split observed.
M 4/5 -0.8 + 0.25mm, 1/16 split observed.

Observed by: B.G.
Date: Jan. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333100

ASSESSMENT

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

NEGATIVE

STREAMSED
24.68 kgs
2155.25 grams
-1.2+0.25 mm

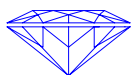
KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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		Tr	Tr		Dark green, tabular lath, fibrous. Rare.
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		Yellow-green, translucent, tabular.
FE OXIDE/HYDROXIDE	100%	45%	30%		Brown, red-brown, rounded, dull earthy fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	40%	50%		Silvery-black, tabular, angular.
KYANITE					
LEUCOXENE		Tr			Beige, blue-grey, rounded, opaque.
MAGNETITE					
MICA			Tr		Green, translucent, micaceous. Rare.
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE	Tr	15%	20%		Pale brown, blocky, elongate, mostly weathered.
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES			Tr		Pyrite - brassy yellow. Rare.
TOURMALINE		Tr	Tr		Brown, black-brown, blue, well rounded.
XENOTIME					
ZIRCON		Tr			Pale peach, colourless, pink, rounded, rare subhedral.
ROCK FRAGMENTS					

COMMENTS: Conc has been MAG separated
M 6/7, ¼ split observed.
M 4/5, 1/8 split observed.

Observed J.D.
by: Jan. 1997
Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333101

ASSESSMENT

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

NEGATIVE

STREAMSED
17.74 kgs
1298.75 grams
-1.2+0.20 mm

KEY MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL		Tr			1 + 0.4mm, dull black, subhedral, vitreous, granular core. Not kimb.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE	Tr		Tr		Moss green, yellow-green, rounded, blocky.
FE OXIDE/HYDROXIDE	100%	55%	35%		Brown, red-brown, black, rounded, some pseudomorph after pyrite.
GARNET			Tr		Andradite - yellow-green, subhedral.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	45%	64%		Silvery-black, tabular, angular, grooved.
KYANITE					
LEUCOXENE			Tr		Beige, blue-grey, cream, opaque, angular.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE	Tr	Tr	1%		Greenish-brown, pale brown, rounded, blocky, elongate, finely striate.
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, blue, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, orange, elongate, subhedral, rounded.
ROCK FRAGMENTS					
COMMENTS: Sample has been MAG separated. M 6/7 -0.4 + 0.25, ¼ split observed. M 4/5 -1.2 + 0.4mm, ¼ split observed. M 4/5 -0.4 + 0.25mm, 1/16 split observed.					Observed by: J.D. Date: Jan. 1997



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333102

ASSESSMENT

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

NEGATIVE

STREAMSED
22.16 kgs
grams
-1.2+0.20 mm

KEY MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr	1 + 0.25mm	black, subhedral, smooth, silky sheen. 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	% +0.20	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Blue-grey, rounded, tabular, subhedral, subtranslucent to opaque.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE		Tr	Tr		Moss green, yellow-green, rounded, granular, opaque.
FE OXIDE/HYDROXIDE	100%	35%	30%		Brown, red-brown, rounded, blocky, some pseudomorphs after pyrite.
GARNET			Tr		Andradite - pale yellow-green, fractured fragment, rare subhedral.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	64%	67%		Silvery-black, tabular, angular, grooved.
KYANITE					
LEUCOXENE			Tr		Beige, opaque, angular.
MAGNETITE					
MICA					
MN OXIDE		Tr	Tr		Grey-black, angular.
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE	Tr	1%	1%		Pale brown, greenish-brown, blocky, fibrous, mostly weathered, rounded, finely pitted.
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, rounded, frosted, some included.
SULPHIDES					
TOURMALINE		Tr	2%		Black-brown, brown, blue, well rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					

COMMENTS: Sample has been MAG separated.
-0.4 + 0.25mm, M 4/5, ¼ split observed.

Observed J.D.
by: Jan. 1997.
Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333103

ASSESSMENT

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

NEGATIVE

STREAMSED
17.48 kgs
51.71 grams
-2.0+0.20 mm

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.20		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.20		

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%	99%	82%		Yellow, reddish-brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		1%	15%		Silvery-black, sub/anedral, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE		Tr	Tr		Greyish-black, dull, blocky, moderately worn.
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare, cherry red, translucent, anhedral, rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden brown, transparent, anhedral, worn.
SULPHIDES					
TOURMALINE	Tr	Tr	3%		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					

COMMENTS:

Observed by: S.M.
Date: Jan. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333104

ASSESSMENT

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

NEGATIVE

STREAMSED
20.82 kgs
13.70 grams
-1.2+0.20 mm

KEY MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL		Tr			1 + 0.4mm, 2 + 0.25mm, 1+0.20mm, black, subhedral, cokey, worn. Not kimb.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Blue, translucent, subhedral, blocky, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Rare, blue, transparent, anhedral, tabular, worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	15%	3%		Yellow, reddish-brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		83%	81%		Silvery-black, sub/anhedral, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE			3%		Greyish, brown, dull to subporcelain-like surface.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE			Tr		Rare, pale brown, translucent, anhedral, laths, moderately worn.
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden brown, transparent, anhedral, worn.
SULPHIDES					
TOURMALINE		2%	3%		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, Fe-stained, transparent, anhedral, rounded.
ROCK FRAGMENTS					

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

COMMENTS:

Observed by: S.M.
Date: Jan. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333105

ASSESSMENT

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

NEGATIVE

STREAMSED
18.10 kgs
263.33 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		Blue, rounded, translucent. Rare.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	98%	58%		Brown, red-brown, rounded, earthy, worn fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	1%	40%		Silvery-black, tabular, angular, grooved.
KYANITE					
LEUCOXENE			Tr		Beige, cream, blocky, opaque.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Orange-brown, resinous, well rounded.
PREHNITE					
PYROXENE					
RUTILE			Tr		Red-black, cherry red, elongate, rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, rounded, frosted.
SULPHIDES					
TOURMALINE	Tr	1%	2%		Black-brown, brown, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, pale pink, elongate, subhedral.
ROCK FRAGMENTS					

COMMENTS:

Observed J.D.
by: Jan. 1997.
Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333106

ASSESSMENT

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

NEGATIVE

STREAMSED
20.46 kgs
50.03 grams
-1.2+0.25 mm

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

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Grey-blue, yellow, anhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM		Tr			1 + 0.4mm, colourless/blue, anhedral, included.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	45%	10%		Yellow-brown, red-brown, dull, pisolitic, fragmented.
GARNET		Tr			1 + 0.4mm, Almandine - pale pink, blocky, moderately worn, low Mg content.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		55%	90%		Silvery-black, sub/anhedral, tabular, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, brown, tan, rounded, porcelain-like surface.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	Tr	Tr		Creamy, orange-brown, dull, opaque.
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare. Cherry red, moderately worn.
SPHENE					
SPINEL					
STAUROLITE		Tr	Tr		Rare. Orange-brown, anhedral, moderately worn.
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Fe-stained, colourless, red, brown, well rounded.
SIDERITE		Tr	Tr		Rare. Orange-brown, well rounded, finely granular.
Al SILICATE		Tr			1 + 0.4mm, greyish to colourless, transparent, moderately worn.
ROCK FRAGMENTS					

COMMENTS:

Observed by: B.G.
Date: Jan. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333107

ASSESSMENT

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

NEGATIVE

STREAMSED
15.46 kgs
65.87 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					

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, pale lilac, transparent, anhedral, tabular, worn.
EPIDOTE					
FE OXIDE/HYDROXIDE		99%	97%		Yellow, reddish-brown, dull, angular, blocky, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		1%	3%		Silvery-black, sub/anhedral, blocky, tabular, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE	Tr	Tr	Tr		Greyish-black, anhedral, dull, worn.
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE			Tr		Rare, pale brown, translucent, anhedral, blocky lath, moderately worn.
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, Fe-stained, transparent, anhedral, rounded.
ROCK FRAGMENTS					

COMMENTS:

Observed by: S.M.
Date: Jan. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333108

ASSESSMENT

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

NEGATIVE

STREAMSED
18.76 kgs
168.84 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, yellow, anhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		1 + 0.25mm, colourless/mauve, rounded, included.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	50%		Yellow-brown, red-brown, dull, rounded to more fragmented.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	5%	50%		Silvery-black, sub/anhedral, tabular, moderately worn.
KYANITE					
LEUCOXENE			Tr		Beige, cream, brown, porcelain-like surface.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Rare, orange-brown, blocky, rounded, opaque.
PREHNITE					
PYROXENE			Tr		Rare, dull yellow-brown, fibrous.
RUTILE			Tr		Rare, orange-red, anhedral, moderately worn.
SPHENE			Tr		1 + 0.25mm, palest yellow, rounded, transparent.
SPINEL					
STAUROLITE			Tr		Orange-brown, rounded, moderately worn.
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Fe-stained, colourless, pearl, orange, well rounded.
ANDALUSITE			Tr		1 + 0.25mm, pale pink, subangular, slightly frosted.
ROCK FRAGMENTS					
COMMENTS:					Observed by: B.G. Date: Jan. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333109

ASSESSMENT

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

NEGATIVE

STREAMSED
16.66 kgs
670.41 grams
-1.2+0.25 mm

KEY MINERALS	% +0.8	% +0.4	% +0.25	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	BRIEF DESCRIPTION
AMPHIBOLE				
ANATASE				
APATITE				
BARITE				
CALCITE				
CASSITERITE				
CORUNDUM		Tr		Pale blue, tabular, transparent, included, subhedral.
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	100%	80%	Brown, red-brown, rounded, earthy, angular fragments.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE	Tr	Tr	20%	Silvery-black, tabular, angular.
KYANITE				
LEUCOXENE			Tr	Beige, angular, opaque.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE				
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE		Tr	Tr	Black, brown, well rounded.
XENOTIME				
ZIRCON			Tr	Colourless, rounded, frosted. Rare.
ROCK FRAGMENTS				

COMMENTS: -1.2 + 0.25mm, ½ split observed.

Observed J.D.
by: Jan. 1997
Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333110

ASSESSMENT

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

NEGATIVE

STREAMSED
16.68 kgs
29.48 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		Blue, translucent, anhedral, blocky, worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Rare, pale blue, transparent, anhedral, blocky, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	88%		Yellow, reddish-brown, dull, subangular, blocky, worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	10%		Silvery-black, sub/anhedral, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			2%		Black, anhedral, rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					

COMMENTS:

Observed by: S.M.
Date: Jan. 1997



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333111

ASSESSMENT

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

NEGATIVE

STREAMSED
23.58 kgs
1229.44 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%	99%	95%		Brown, red-brown, rounded, dull.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		1%	5%		Silvery-black, tabular, angular, grooved.
KYANITE					
LEUCOXENE					
MAGNETITE			Tr		Altered to martite.
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE					
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					

COMMENTS: Sample has been Mag separated.
N/M 1/8 split observed.
M 6/7, 1/8 split observed.
M 4/5, ½ split observed.

Observed J.D.
by: Jan. 1997
Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333112

ASSESSMENT

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

NEGATIVE

STREAMSED
19.90 kgs
650.88 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
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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. Beige, rounded.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM		Tr	Tr		Rare, colourless,/blue, blue, sub/anhedral, included.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	88%		Red-brown, yellow-brown, dull, pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	10%		Silvery-black, sub/anhedral, tabular, moderately worn.
KYANITE					
LEUCOXENE			Tr		Grey-blue, porcelain-like surface.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Orange, cherry red, anhedral, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	2%		Black-brown, well rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					
COMMENTS:	-1.2 + 0.8mm fully observed. -0.8 + 0.4mm, ¼ split observed. -0.4 + 0.25mm, ¼ split observed.				Observed by: B.G. Date: Jan. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333113

ASSESSMENT

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

NEGATIVE

STREAMSED
20.56 kgs
169.23 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		Rare. Colourless/blue, included.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	80%		Yellow-brown, red-brown, dull, pisolitic, fragmented.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	Tr	10%		Silvery-black, sub/anhedral, moderately worn.
KYANITE					
LEUCOXENE			Tr		Brown, beige, tan, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	Tr	Tr		Cream, orange, red-brown, dull, rounded, opaque.
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare. Cherry red, anhedral, moderately worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	10%		Black-brown, rarely coloured, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, beige, orange, well rounded.
SIDERITE		Tr	Tr		Rare. Well rounded, pale brown, finely granular.
ROCK FRAGMENTS					
COMMENTS:					Observed by: B.G. Date: Jan. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333114

ASSESSMENT

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

NEGATIVE

STREAMSED
18.56 kgs
373.10 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		Rare, blue, transparent, anhedral, blocky, worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	50%	45%	34%		Reddish-brown, brown, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	5%	15%		Silvery-black, sub/anhedral, blocky, tabular, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE	50%	50%	50%		Black, brown, sub/anhedral, blocky, rounded.
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE			Tr		Rare, greenish-brown, translucent, blocky lath, moderately worn.
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	1%		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, Fe-stained, translucent, anhedral, rounded.
ROCK FRAGMENTS					

COMMENTS: Magnetite removed with hand magnet, not observed.

Observed by: S.M.
Date: Jan. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333115

ASSESSMENT

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

NEGATIVE

STREAMSED
21.70 kgs
208.14 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	70%	70%	65%		Brown, reddish-brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	3%		Silvery-black, sub/anhedral, blocky, tabular, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE	30%	30%	30%		Brown, black, anhedral, blocky, rounded, worn.
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden brown, transparent, anhedral, blocky, worn.
SULPHIDES					
TOURMALINE		Tr	2%		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, Fe-stained, translucent, anhedral, rounded.
ROCK FRAGMENTS					
COMMENTS: Magnetite removed with hand magnet, not observed.					Observed by: S.M. Date: Jan. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333116

ASSESSMENT

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

NEGATIVE

STREAMSED
21.40 kgs
87.64 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					

% % %

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/tinge of blue, included, blocky.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	80%	35%		Brown, red-brown, rounded, earthy, angular fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		10%	30%		Silvery-black, tabular, grooved, angular, blocky.
KYANITE					
LEUCOXENE			Tr		Beige, opaque, angular.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, opaque, rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, frosted.
SULPHIDES					
TOURMALINE	Tr	10%	30%		Black-brown, green, brown, well rounded.
XENOTIME					
ZIRCON			5%		Honey-brown, colourless, orange, rounded, rare subhedral.
ROCK FRAGMENTS					

COMMENTS:

Observed J.D.
by: Jan. 1997.
Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333117

ASSESSMENT

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

NEGATIVE

STREAMSED
19.18 kgs
313.72 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	90%	90%	84%		Reddish-brown, yellow, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	1%		Silvery-black, anhedral, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE	10%	10%	10%		Black, brown, blocky, rounded.
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	5%		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					

COMMENTS: Magnetite removed with hand magnet, not observed.

Observed S.M.
by: Jan. 1997.
Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333118

ASSESSMENT

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

NEGATIVE

STREAMSED
15.50 kgs
112.44 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	60%	50%	30%		Reddish-brown, brown, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	7%		Silvery-black, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE	40%	50%	60%		Black, brown, sub/anedral, blocky, rounded.
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	3%		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					
COMMENTS: Magnetite removed with hand magnet, not observed.					Observed by: S.M. Date: Jan. 1997



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333119

ASSESSMENT

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

NEGATIVE

STREAMSED
24.56 kgs
74.32 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			Tr		Rare, blue, transparent, subhedral, tabular, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	99%	73%		Yellow, reddish-brown, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	15%		Silvery-black, sub/anhedral, blocky, tabular, moderately worn.
KYANITE					
LEUCOXENE			2%		Beige, brown, anhedral, blocky, worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare, cherry red, translucent, anhedral, blocky, worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Brown, transparent, anhedral, blocky, worn.
SULPHIDES					
TOURMALINE		1%	10%		Greenish-brown, brown-black, anhedral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, Fe-stained, transparent, anhedral, rounded.
ROCK FRAGMENTS					
COMMENTS:					Observed by: S.M. Date: Jan. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333120

ASSESSMENT

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

NEGATIVE

STREAMSED
20.26 kgs
62.66 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					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Pale blue, anhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Milky white, colourless/blue, blue, sub/anhedral, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	95%		Red-brown, yellow-brown, dull, pisolitic, fragmented.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	3%		Silvery-black, sub/anhedral, moderately worn.
KYANITE					
LEUCOXENE			Tr		Grey, beige, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	Tr	Tr		Creamy-brown, orange-brown, dull to sub-resinous, opaque.
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare. Cherry red, orange, rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Dull orange-brown, anhedral.
SULPHIDES					
TOURMALINE		Tr	2%		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Beige, colourless, well rounded.
ROCK FRAGMENTS					

COMMENTS:

Observed by: B.G.
Date: Jan. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333121

ASSESSMENT

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

NEGATIVE

STREAMSED
17.98 kgs
133.45 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			Tr		Colourless, blue, subhedral, tabular.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	99%	60%		Brown, tan, dull, rounded, earthy, angular fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		1%	35%		Silvery-black, tabular, angular, grooved.
KYANITE					
LEUCOXENE			Tr		Beige, opaque, angular.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	5%		Black-brown, brown, well rounded.
XENOTIME					
ZIRCON			Tr		Honey brown, colourless, rounded.
ANDALUSITE			Tr		Pale pink, blocky.
ROCK FRAGMENTS					

COMMENTS:

Observed J.D.
by: Jan. 1997.
Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333122

ASSESSMENT

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

NEGATIVE

STREAMSED
19.98 kgs
83.60 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			Tr		Rare. Beige, anhedral, rounded.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Rare. Colourless, blue, sub/anhedral, included.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	90%		Yellow-brown, red-brown, dull, pisolitic, fragmented, earthy.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		4%	8%		Silvery-black, sub/anhedral, moderately worn.
KYANITE					
LEUCOXENE			Tr		Beige, grey-blue, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Grey, cream, orange, dull to sub-resinous, opaque.
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare. Cherry red.
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare. Orange-brown.
SULPHIDES					
TOURMALINE		1%	2%		Black-brown, coloured, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, orange, rarely pink, well rounded.
ROCK FRAGMENTS					
COMMENTS:					Observed by: B.G. Date: Jan. 1997



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333123

ASSESSMENT

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

NEGATIVE

STREAMSED
16.46 kgs
157.33 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					

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

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

AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Colourless, blue, transparent, sub/anhedral, blocky, tabular, moderately worn to worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	68%		Reddish-brown, dull, subangular, blocky, worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	10%		Silvery-black, sub/anhedral, blocky, tabular, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE			Tr		Pale brown, transparent, anhedral lath, rare.
RUTILE			Tr		Cherry red, translucent, anhedral, rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden brown, transparent, anhedral, blocky, worn.
SULPHIDES					
TOURMALINE	Tr	Tr	20%		Brown, black, anhedral, rounded.
XENOTIME					
ZIRCON			2%		Colourless, yellow, reddish-brown, Fe-stained, transparent, subtranslucent, anhedral, rounded.
ROCK FRAGMENTS					

COMMENTS:

Observed by: S.M.
Date: Jan. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333124

ASSESSMENT

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

NEGATIVE

STREAMSED
21.92 kgs
388.96 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					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Brown, dull, rounded, angular.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, tabular, angular, grooved.
KYANITE					
LEUCOXENE					
MAGNETITE		Tr	Tr		Altered to martite.
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					

COMMENTS: -0.8mm + 0.25mm, ½ split observed.

Observed J.D.
by: Jan. 1997
Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333125

ASSESSMENT

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

NEGATIVE

STREAMSED
24.20 kgs
10.75 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			Tr		Rare, blue, transparent, sub/anedral, tabular, worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	82%	59%		Reddish-brown, dull, subangular, blocky, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			15%		Silvery-black, sub/anedral, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE		10%	10%		Creamy, beige, brown, dull to porcelain-like surfaces.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Brown, transparent, anedral, worn. Rare.
SULPHIDES					
TOURMALINE	Tr	8%	15%		Blue, brown, black, anedral, rounded.
XENOTIME					
ZIRCON		Tr	1%		Colourless, Fe-stained, anedral, rounded.
ROCK FRAGMENTS					
COMMENTS:					Observed by: S.M. Date: Jan. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333126

ASSESSMENT

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

NEGATIVE

STREAMSED
19.06 kgs
206.45 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		Rare. Blue, transparent, anhedral, tabular, worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	50%	50%	44%		Reddish-brown, dull, subangular, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			1%		Silvery-black, sub/anhedral, tabular, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE	50%	50%	50%		Brown, black, sub/anhedral, dull, moderately worn.
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE			Tr		Pale yellow-brown, transparent, worn lath.
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden brown, transparent, anhedral, blocky, worn.
SULPHIDES					
TOURMALINE		Tr	5%		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					
COMMENTS:	Magnetite removed with hand magnet, not observed.				Observed by: S.M. Date: Jan. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333127

ASSESSMENT

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

NEGATIVE

STREAMSED
20.60 kgs
148.6 grams
-1.2+0.25 mm

KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr	1 + 0.25mm	black, subhedral, smooth shiny surface. Not kimb.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE		Tr	Tr		Blackish-green, green, translucent to opaque, rounded, elongate laths.
ANATASE			Tr		Blue-grey, deep blue, subhedral, opaque.
APATITE			Tr		Colourless, pale greyish, transparent, subhedral.
BARITE	Tr	Tr			Grey, white, tabular, blocky, granular.
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Pale blue, colourless, tabular, subhedral.
EPIDOTE			2%		Yellow-green, rounded, blocky.
FE OXIDE/HYDROXIDE	80%	55%	25%		Brown, red-brown, tan, rounded, angular, earthy fragments, some pseudomorphs after pyrite.
GARNET			Tr		Almandine, spessartine - pale pink, pale orange, angular fragments.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		40%	60%		Silvery-black, tabular, sharp, angular, grooved.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, brown, angular, opaque, rounded.
MAGNETITE	20%				Dull, black, sub/anhydral.
MICA			Tr		Biotite - dark brown.
MN OXIDE		Tr	Tr		Dull grey-black, rounded.
MONAZITE					
PHOSPHATES		Tr			Orange-brown, resinous, rounded.
PREHNITE					
PYROXENE		Tr	3%		Pale brown, elongate, blocky, fibrous, weathered.
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		5%	10%		Black-brown, brown, well rounded, rare, subhedral.
XENOTIME					
ZIRCON		Tr	Tr		Honey brown, colourless, rounded, subhedral.
ANDALUSITE			Tr		Pale pink, blocky, some included.
SIDERITE		Tr			Honey brown, granular, rounded.
ROCK FRAGMENTS					

COMMENTS: -0.8mm + 0.25mm has been MAG separated.
M 6/7 -0.8mm + 0.25mm, ½ split observed.
M 4/5 -0.8mm + 0.25mm, ¼ split observed.

Observed by: J.D.
Date: Jan. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333128

ASSESSMENT

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

NEGATIVE

STREAMSED
19.50 kgs
126.7 grams
-1.2+0.25 mm

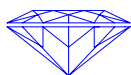
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		Rare, yellow-green, subtranslucent, anhedral, blocky, moderately worn.
FE OXIDE/HYDROXIDE	98%	89%	69%		Brown, reddish-brown, blocky, rounded.
GARNET			Tr		Spessartine, pinkish-orange, blocky, moderately worn.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		7%	25%		Silvery-black, sub/anhedral, subangular, tabular, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE	2%	3%	6%		Yellow-brown, subtranslucent to opaque, anhedral, blocky laths, moderately worn.
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	1%	Tr		Brown, black, anhedral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, Fe-stained, anhedral, rounded.
ROCK FRAGMENTS					

COMMENTS: Conc has been MAG separated.
-1.2+0.25mm, ¼ split observed.

Observed by: S.M.
Date: Jan. 1997



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333129

ASSESSMENT

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

NEGATIVE

STREAMSED
24.52 kgs
29.32 grams
-2.0+0.25 mm

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	90%	50%		Red-brown, yellow-brown, dull, pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	15%		Silvery-black, sub/anhedral, tabular, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Orange, cream, rounded, opaque.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Orange-red, cherry red, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	10%	35%		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr			Orange, red, colourless, well rounded.
ROCK FRAGMENTS					
COMMENTS:					Observed by: B.G. Date: Jan. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333130

ASSESSMENT

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

NEGATIVE

STREAMSED
217.52 kgs
6.03 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		Blue, transparent, sub/anhedral, blocky, tabular, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	65%	8%	5%		Reddish-brown, dull, subangular, blocky.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		5%	8%		Silvery-black, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE	5%	10%	20%		Creamy, beige, brown, greyish, dull to porcelain-like surfaces.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	5%	1%	Tr		Orange, pinkish-orange, resinous, opaque, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE	Tr	Tr	Tr		Black, greenish-yellow, red, translucent, anhedral, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	25%	73%	65%		Blue, yellow-brown, brown-black, anhedral, rounded.
XENOTIME					
ZIRCON		3%	2%		Colourless, yellow, Fe-stained, transparent, translucent, anhedral, rounded.
ROCK FRAGMENTS					

COMMENTS:

Observed S.M.
by: Jan. 1997.
Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

333131

ASSESSMENT

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

NEGATIVE

STREAMSED
192.08 kgs
2044.59 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 1/2 split) is 2 grains in a 1/2 split of the +0.25mm fraction

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE		Tr	Tr		Beige, golden, pale blue, sub/anhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Rare. Colourless/blue anhedra, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	25%	15%		Yellow-brown, red-brown, dull, pisolitic.
GARNET			Tr		Almandine - 1 + 0.25mm, pale pink, subangular, moderately worn.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	55%	60%		Silvery-black, sub/anhedral, moderately worn.
KYANITE					
LEUCOXENE		20%	25%		Beige, tan, grey-green, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange, blocky to well rounded, opaque.
PREHNITE					
PYROXENE			Tr		Rare. Pale to mid-green, lath-like, moderately worn.
RUTILE			Tr		Rare. Orange-red, moderately worn to worn.
SPHENE					
SPINEL					
TOURMALINE	Tr	Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON	Tr	Tr	Tr		Beige, orange, colourless, sub/anhedral, generally well rounded.

COMMENTS: -2.0 + 1.2mm fully observed.
-1.2 + 0.25mm - Conc has been MAG separated. M1/2/3
scalp not observed.
NM -1.2 + 0.25mm, fully observed.
M 6/7 -1.2 + 0.4mm, fully observed.
-0.4 + 0.25mm, 1/8 split observed.
M 4/5 -1.2 + 0.25mm, 1/100 split observed.

Observed by: B.G.
Date: Jan. 1997

