



DIATECH
Ph 61 9 361 2596
Fx 61 9 470 1504

File: 96-060.doc

HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332717

ASSESSMENT

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

NEGATIVE

STREAMSED
24.00 kgs
40.0 grams
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Beige, blue, grey-blue, tabular, opaque, translucent, sub/anhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE			Tr		Red-black, blocky, frosted, banded. Rare
CORUNDUM			Tr		Blue, transparent, anhedral. Rare.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	50%	20%		Brown, red-brown, rounded, blocky, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	20%	50%		Silvery-black, tabular, angular, grooved.
KYANITE					
LEUCOXENE		Tr	Tr		Brown, beige, cream, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Brown, rounded, resinous.
PREHNITE					
PYROXENE					
RUTILE	Tr	Tr	Tr		Black, cherry red, opaque, elongate, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		30%	30%		Brown, black, pale orange, well rounded, subhedral.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, yellow, brown, sub/anhedral.
ANDALUSITE			Tr		Pale pink, red inclusions, rounded. Rare.
ROCK FRAGMENTS					

COMMENTS:

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332718

ASSESSMENT

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

POSS KIMB

STREAMSED
20.96 kgs
45.1 grams
-1.2+0.25 mm

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		4 + 0.25mm, Black, finely cokey sub/anhedral, worn. (4+0.25mm poss kimb)
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Blue, golden, translucent, sub/anhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Blue, transparent, anhedral, blocky, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	94%	36%		Yellow-brown, reddish-brown, subangular, blocky, rounded, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		1%	50%		Silvery-black, subangular, blocky, moderately worn.
KYANITE					
LEUCOXENE			2%		Beige, greyish, porcelain surface, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, subtranslucent, anhedral, blocky, worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		5%	10%		Brown, brown-black, anhedral, rounded.
XENOTIME					
ZIRCON			2%		Colourless, reddish-orange, Fe-stained, anhedral, rounded.
ROCK FRAGMENTS					
COMMENTS:					Observed by: S.M. Date: July, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332719

ASSESSMENT

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

NEGATIVE

STREAMSED
23.58 kgs
80.9 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 (in ½ split). Black, dull, anhedral, fine cokey surface, moderately worn. Not kimb.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Pale yellow, grey-blue, sub/anhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	5%		Yellow-brown, red-brown, dull, pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		3%	75%		Silvery-black, sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE			10%		Grey, beige, sub/anhedra, porcelain-like.
MAGNETITE					
MICA			Tr		Brown, flaky, rare.
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange, creamy white, red-brown, resinous opaques.
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, orange-red, black, well rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare. Dull orange-brown, anhedral, moderately worn.
SULPHIDES					
TOURMALINE		2%	10%		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Orange, Fe-stained, colourless, well rounded.
Al SILICATE			Tr		Colourless, blocky to rounded, moderately worn.
ROCK FRAGMENTS					
COMMENTS: - 1.2 + 0.4mm fully observed. - 0.4 + 0.25mm, ½ split observed.					Observed by: B.G. Date: July, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332720

ASSESSMENT

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

NEGATIVE

STREAMSED
20.10 kgs
523.6 grams
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Yellow, pale blue, translucent, subhedral, tabular, blocky, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	98%	9%		Yellow-brown, reddish-brown, dull, rounded, blocky, worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE		Tr	Tr		
ILMENITE		1%	90%		Silvery-black, sub/anhedral, angular, tabular, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE		Tr	Tr		Dull grey, anhedral, rounded.
MONAZITE			Tr		Yellow, translucent, sub/anhedral, blocky, moderately worn.
PHOSPHATES		Tr	Tr		Orange-brown, opaque, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Dark red, subtranslucent, anhedral, blocky, worn.
SPHENE					
SPINEL					
STAUROLITE		Tr	Tr		Brown, transparent, sub/anhedral, blocky, moderately worn.
SULPHIDES					
TOURMALINE		1%	1%		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, transparent, anhedral, rounded.
ANDALUSITE			Tr		Pale pink, transparent, anhedral, blocky, worn.
ROCK FRAGMENTS					

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

COMMENTS: -0.8mm, + 0.25mm, Conc MAG Separated.
N/M, fully observed.
M 6/7, fully observed.
M 4/5, 1/16 split observed.
- 0.8mm, fully observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332721

ASSESSMENT

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

POSS KIMB

STREAMSED
25.90 kgs
231.7 grams
-1.2+0.20 mm

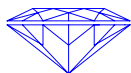
KEY MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		1 + 0.25mm, black, dull, anhedral, well rounded, fine cokey surface. Poss Kimberlitic
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER**					

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	Tr		Beige, sub/anhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	97%	30%		Yellow-brown, red-brown, dull pisolites/fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		3%	65%		Silvery-black, sub/anhedral, moderately worn. *1 + 0.4mm, silvery-black, blocky, rounded, pitted surfaces. 5.32% MgO
KYANITE					
LEUCOXENE		Tr	Tr		Cream, beige, brown, blue-grey, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Orange, resinous opaques.
PHOSPHATES		Tr	Tr		Orange-brown, creamy orange, well rounded, resinous opaques.
PREHNITE					
PYROXENE			Tr		1 + 0.4mm, pale yellow-brown, rounded, moderately worn.
RUTILE			Tr		Rare. Cherry red, black, elongate to well rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	5%		Black-brown, well rounded.
ZIRCON		Tr	Tr		Colourless, Fe-stained, well rounded, anhedral.
ROCK FRAGMENTS					

COMMENTS:
- 1.2 + 0.8mm fully observed.
- 0.8 + 0.25mm, MAG separated.
NM fully observed
M 6/7 fully observed.
M 4/5 - 0.8 + 0.4mm fully observed
-0.4 + 0.25mm, 1/8 split observed.
-0.25+0.20mm 1/8th split observed

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332722

ASSESSMENT

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

NEGATIVE

STREAMSED
21.52 kgs
39.0 grams
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Golden, blue, translucent, transparent, tabular, blocky, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Blue, white, transparent, anhedral, blocky, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	80%	5%		Brown, dull, blocky, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		10%	65%		Black, silvery-black, sub/anhedral, subangular, blocky, slightly to moderately worn.
KYANITE					
LEUCOXENE			5%		Beige, brown, porcelain-like surface; blocky, moderately worn.
MAGNETITE					
MICA			Tr		Brown, translucent, anhedral flake.
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden brown, transparent, anhedral, blocky, moderately worn.
SULPHIDES					
TOURMALINE		10%	25%		Brown, brown-black, anhedral, rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					
COMMENTS:					Observed by: S.M. Date: July, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332723

ASSESSMENT

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

NEGATIVE

STREAMSED
19.78 kgs
95.9 grams
-1.2+0.25 mm

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

% % %

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Golden, translucent, anhedral, tabular, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	33%	5%		Brown, yellow-brown, dull, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		65%	90%		Silvery-black, sub/anhedral, subangular, blocky, tabular, moderately worn. *Some grains more silvery-black, rounded, pitted, Low Mg (1.61%)
KYANITE					
LEUCOXENE		1%	2%		Beige, greyish, blocky, tabular.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		1%	3%		Blue, brown, brown-black, anhedral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, transparent, anhedral, rounded.
ROCK FRAGMENTS					

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

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332724

ASSESSMENT

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

NEGATIVE

STREAMSED
25.80 kgs
1169.7 grams
-1.2+0.25 mm

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

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE		Tr	Tr		Yellow, subtranslucent, sub/anhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	10%	1%		Yellow-brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	90%	98%		Silvery-black, sub/anhedral, blocky, subangular, tabular, moderately worn.
KYANITE					
LEUCOXENE		Tr	1%		Creamy, beige, greyish, sub/anhedral, porcelain-like surface.
MAGNETITE					
MICA					
PHOSPHATES		Tr	Tr		Orange-brown, red-brown, resinous.
PREHNITE					
RUTILE		Tr	Tr		Dark red, subtranslucent, anhedral, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	Tr		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, orange, Fe-stained, transparent, translucent, rounded.
Al SILICATES			Tr		Colourless, transparent, striate, anhedral, moderately worn.
ROCK FRAGMENTS					

COMMENTS: + 0.8mm, ½ split observed.
- 0.8mm + 0.25mm, MAG separated.
N/M - 0.8mm + 0.25mm, fully observed.
M 6/7 - 0.8mm + 0.25mm, fully observed.
M 4/5 - 0.8mm + 0.25mm, 1/64 split observed.

S.M.
July, 1996



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332725

ASSESSMENT

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

NEGATIVE

STREAMSED
21.64 kgs
28.3 grams
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			15%		Beige, subtranslucent to opaque, subhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE			Tr		Orange, blocky, subtranslucent. Rare.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	50%	10%		Brown, red-brown, blocky, rounded, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		40%	55%		Silvery-black, tabular, angular, grooved.
KYANITE			Tr		Colourless/blue, transparent, tabular.
LEUCOXENE			5%		Grey, beige, opaque, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Brick red, brown, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Black, red-black, opaque, elongate, rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, blocky, frosted.
SULPHIDES					
TOURMALINE		10%	15%		Brown, black, blue, well rounded, subhedral.
XENOTIME					
ZIRCON			Tr		Colourless, honey brown, pale pink, rounded, some metamict.
ROCK FRAGMENTS					
COMMENTS:					Observed by: J.D. Date: July, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332726

ASSESSMENT

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

NEGATIVE

STREAMSED
20.94 kgs
1.9 grams
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Creamy beige, golden yellow.
APATITE			Tr		Colourless, frosted, subhedral. Rare.
BARITE		Tr			White, blocky, frosted, etched. Rare.
CALCITE					
CASSITERITE			Tr		Orange, frosted, blocky. Rare.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	15%	5%		Brown, red-brown, rounded, blocky.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE		Tr	Tr		Black, specular, earthy, micaceous. Rare.
ILMENITE		60%	45%		Silvery-black, tabular, angular.
KYANITE					
LEUCOXENE		Tr	7%		Cream, grey-blue, beige, rounded, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Brown, white, pink, red-brown, resinous, opaque, rounded.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, rounded, tabular.
SULPHIDES					
TOURMALINE		25%	40%		Black, brown, rounded.
XENOTIME					
ZIRCON		Tr	3%		Honey brown, cream, colourless, well rounded.
ROCK FRAGMENTS					
COMMENTS:					Observed by: J.D. Date: July, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332727

ASSESSMENT

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

NEGATIVE

STREAMSED
26.18 kgs
630.9 grams
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Creamy beige, golden yellow, opaque, translucent, subhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	20%	10%		Brown, red-brown, rounded, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE	Tr				Black, specular, earthy, micaceous.
ILMENITE	Tr	80%	90%		Silvery-black, tabular, angular, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Grey, beige, brown, blocky, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Orange-brown, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Red-black, opaque, elongate.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Brown, black, blue, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Orange, colourless, brown, well rounded.
ROCK FRAGMENTS					

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

AMPHIBOLE					
ANATASE		Tr	Tr		Creamy beige, golden yellow, opaque, translucent, subhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	20%	10%		Brown, red-brown, rounded, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE	Tr				Black, specular, earthy, micaceous.
ILMENITE	Tr	80%	90%		Silvery-black, tabular, angular, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Grey, beige, brown, blocky, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Orange-brown, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Red-black, opaque, elongate.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Brown, black, blue, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Orange, colourless, brown, well rounded.
ROCK FRAGMENTS					

COMMENTS: Sample has been MAG separated.
N/M fully observed.
M 6/7 + 0.8mm, + 0.4mm, fully observed.
M 6/7 + 0.25mm, ¼ split observed.
M 4/5 + 0.8mm fully observed
M 4/5 + 0.4mm, 1/16 split observed
M 4/5 + 0.25mm, 1/32 split observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332728

ASSESSMENT

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

NEGATIVE

STREAMSED
24.30 kgs
624.6 grams
-1.2+0.25 mm

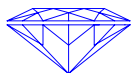
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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, golden yellow, subhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		Rare. Yellow-green, subtranslucent, moderately worn.
FE OXIDE/HYDROXIDE	100%	45%	5%		Red-brown, brown, yellow-brown, dull to polished pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	55%	90%		Silvery-black, sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE		Tr	2%		Grey-blue, grey-green, brown, beige, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Palest creamy-orange, well rounded, resinous opaques.
PHOSPHATES	Tr	Tr	Tr		Orange-brown, red-brown, resinous opaques.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Cherry red, orange-red, black, sub/anhedra, moderately worn to well rolled.
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare. Orange-brown, blocky, rounded, black inclusions.
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	3%		Colourless, Fe-stained, orange-brown, well rounded.
ROCK FRAGMENTS					

COMMENTS:
- 1.2 + 0.8mm fully observed.
- 0.8 + 0.25mm MAG separated.
NM fully observed.
M 6/7 fully observed.
M 4/5 1/64 split observed.

Observed by: B.G.
Date: August 1996



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332729

ASSESSMENT

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

NEGATIVE

STREAMSED
29.90 kgs
45.4 grams
-1.2+0.25 mm

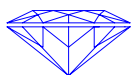
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Golden, transparent, sub/anhydral, tabular, slightly worn. Rare.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Pale lilac blue, transparent, subhedral, tabular, moderately worn. Rare.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	2%	3%		Yellow-brown, brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		97%	86%		Silvery-black, sub/anhydral, blocky, tabular, moderately worn.
KYANITE					
LEUCOXENE		1%	10%		Beige-brown, greyish, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Orange, pinkish-orange, opaque, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Dark red, subtranslucent, anhydral, blocky, worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden brown, transparent, anhydral, blocky, worn.
SULPHIDES					
TOURMALINE			1%		Brown-black, anhydral, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, transparent, anhydral, rounded.
ANDALUSITE			Tr		Pink, transparent, blocky, worn.
ROCK FRAGMENTS					

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

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332730

ASSESSMENT

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

NEGATIVE

STREAMSED
25.82 kgs
500.8 grams
-1.2+0.25 mm

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

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Yellow, pale blue, silvery-blue, transparent to opaque, eu/sub/anhedral, moderately fresh to rounded.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	10%	Tr		Yellow-brown, brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE	Tr				Black, tabular, anhedral, moderately worn.
ILMENITE	Tr	90%	100%		Silvery-black, sub/anhedral, angular, blocky, tabular, moderately worn.
KYANITE					
LEUCOXENE			Tr		Beige, greyish, porcelain-like surface, blocky, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Dark red, subtranslucent, anhedral, blocky, moderately worn. Rare.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, reddish-brown, transparent to opaque, rounded.
ROCK FRAGMENTS					

COMMENTS:
+ 0.8mm fully observed
- 0.8mm + 0.25mm, MAG separated.
N/M fully observed
M 6/7 fully observed.
M 4/5 1/32 split observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332731

ASSESSMENT

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

POSS KIMB

STREAMSED
28.14 kgs
138.9 grams
-1.2+0.25 mm

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

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	10%		Beige, golden-yellow, blue-grey, translucent, opaque, tabular, subhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE			Tr		Red-brown, blocky, opaque. Rare.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	45%	10%		Brown, red-brown, rounded, blocky, moderately worn.
GARNET			Tr		Almandine - pale pink fragment, low Mg.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		50%	78%		Silvery-black, tabular, angular.
KYANITE					
LEUCOXENE		Tr	1%		Brown, beige, grey-blue, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Orange-brown, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Cherry red, black, elongate, rounded, opaque.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		5%	1%		Black, brown, green, rounded, subhedral.
XENOTIME					
ZIRCON		Tr	Tr		Orange, pink, colourless, brown, rounded, subhedral.
ROCK FRAGMENTS					

COMMENTS:

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332732

ASSESSMENT

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

NEGATIVE

STREAMSED
15.72 kgs
48.8 grams
-1.2+0.25 mm

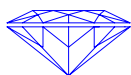
KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Grey-blue, beige, sub/anhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	80%		Yellow-brown, red-brown, dull pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	5%		Silvery-black, sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE			10%		Grey-blue, grey-green, beige, brown, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Orange, resinous opaques.
PHOSPHATES		Tr	Tr		Orange, creamy-orange, creamy-brown, resinous opaques.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			5%		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, orange, well rounded.
ROCK FRAGMENTS					

COMMENTS:

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332733

ASSESSMENT

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

NEGATIVE*

STREAMSED
22.72 kgs
2045.0 grams
-1.2+0.25 mm

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

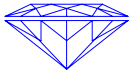
OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Golden yellow, blue-grey, moderately worn euhedra.
APATITE			Tr		Numerous colourless, prismatic crystals.
BARITE		Tr	Tr		Colourless, blocky.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE		Tr	Tr		Rare, moderately fresh, yellow-green.
FE OXIDE/HYDROXIDE	100%	70%	20%		Pisolitic, brown.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	30%	80%		Moderately worn to moderately fresh, silvery-black. *Some grains more rounded, silvery-black, conchoidal fracture, up to 3.83% MgO, 0.15% Cr2O3
KYANITE					
LEUCOXENE			Tr		Beige, brown, after ilmenite.
MAGNETITE	Tr				
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Well rounded, resinous, cream, orange-red.
PHOSPHATES					
PREHNITE					
PYROXENE			Tr		Diopside, pale greenish-brown laths, rare.
RUTILE		Tr	Tr		Cherry red, moderately worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Well rounded, near spherical black-brown grains.
XENOTIME					
ZIRCON			Tr		Well rounded, colourless, some Fe-stained.
ROCK FRAGMENTS					

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

COMMENTS:

- 0.8 + 0.25mm magnetically separated, M1/2/3 scalp not observed.
- 1.2 + 0.4mm fully observed.
- 0.4 _ 0.25mm ½ split observed NM, M6/7
- 0.4 + 0.25mm, 1/128 split observed M 4/5.

Observed L.F.
by: August, 1996
Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332734

ASSESSMENT

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

NEGATIVE

STREAMSED
18.26 kgs
297.1 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		Yellow, transparent, translucent, subhedral, tabular, moderately fresh.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	5%	Tr		Yellow-brown, reddish-brown, dull, subangular, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	95%	100%		Silvery-black, angular, blocky, tabular, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, greyish, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange-brown, opaque, sub-resinous, anhedral, blocky, worn.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Orange, translucent, subhedral, blocky, moderately worn. Rare.
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden brown, transparent, anhedral, rounded.
SULPHIDES					
TOURMALINE		Tr	Tr		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, orange, transparent, subtranslucent, rounded.

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

ROCK FRAGMENTS				
COMMENTS: + 0.8mm fully observed. - 0.8mm + 0.25mm MAG separated. N/M fully observed M 6/7 fully observed M 4/5 1/32 split observed.				Observed S.M. by: August, 1996 Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332735

ASSESSMENT

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

NEGATIVE

STREAMSED
26.14 kgs
0.5 grams
-1.2+0.25 mm

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

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Grey-blue, yellow/blue, sub/anhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE		Tr			1 + 0.4mm, brown/orange, subtranslucent, blocky, rounded.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	55%	25%		Yellow-brown, red-brown, dull, pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		25%	50%		Silvery-black, sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE		15%	10%		Beige, brown, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Orange, rare yellow, subtranslucent, moderately worn.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Reddish-brown, cherry red, generally rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		3%	5%		Black-brown, well rounded.
XENOTIME	Tr	2%	Tr		Creamy-pink, cream, blocky, dull opaques, also palest green, sub/anhedra, moderately worn.
ZIRCON		Tr	10%		Colourless, Fe-stained, cream, orange-brown, well rounded.

ROCK FRAGMENTS				
COMMENTS:				Observed by: B.G. Date: July, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332736

ASSESSMENT

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

NEGATIVE

STREAMSED
18.34 kgs
0.4 grams
-1.2+0.25 mm

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

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

OTHER MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Yellow, subtranslucent, subhedral, slightly worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	20%	2%		Brown, dull, anhedral, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		50%	66%		Silvery-black, sub/anhedral, subangular, blocky, tabular, moderately worn.
KYANITE					
LEUCOXENE		30%	20%		Creamy, beige, greyish, dull to porcelain-like surface, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Orange-red, subtranslucent, anhedral, blocky, worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			5%		Brown, black, anhedral, rounded.
XENOTIME					
ZIRCON			7%		Colourless, some Fe-stained, anhedral, rounded.

ROCK FRAGMENTS				
COMMENTS:				Observed by: S.M. Date: July, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332737

ASSESSMENT

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

NEGATIVE

STREAMSED
25.30 kgs
0.8 grams
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Blue-grey, black, opaque, subhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE		Tr	Tr		Red-orange, blocky, frosted. Rare.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	5%	Tr		Brown, red-brown, rounded, blocky.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		90%	80%		Silvery-black, tabular, angular.
KYANITE					
LEUCOXENE	Tr	3%	Tr		Beige, cream, brown, rounded, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		1%	Tr		Pink, white, resinous, blocky, rounded.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr		Tr		Black, brown, well rounded.
XENOTIME					
ZIRCON		1%	20%		Orange, cream, honey brown, colourless, rounded, subhedral, some metamict.

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

ROCK FRAGMENTS				
COMMENTS:				Observed by: J.D. Date: July, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332738

ASSESSMENT

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

NEGATIVE

STREAMSED
29.04 kgs
4.0 grams
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE	1%	Tr	Tr		Yellow, blue, sub/anhedral, translucent, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Rare. Lilac blue, transparent, anhedral, blocky, worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	10%	3%	1%		Brown, dull, rounded, some flaky.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		15%	40%		Silvery-black, sub/anhedral, subangular, blocky, tabular, moderately worn.
KYANITE	1%				Colourless, translucent, Fe-stained, tabular, worn.
LEUCOXENE		42%	33%		Beige, brown, greyish, dull to porcelain surfaces, blocky, worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	15%	5%	1%		Pale brown, orange, pinkish-orange, resinous, opaque, rounded.
PREHNITE					
PYROXENE					
RUTILE		Tr	2%		Orange-brown, red, translucent to opaque, anhedral, worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Brown, transparent, anhedral, blocky, tabular, worn.
SULPHIDES					
TOURMALINE	73%	25%	3%		Blue, brown, brown-black, anhedral, well rounded.
XENOTIME					
ZIRCON		10%	20%		Colourless, pink, yellow, transparent to opaque, anhedral, rounded.
ANDALUSITE			Tr		Very pale pink, transparent, blocky, worn.

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

ROCK FRAGMENTS				
COMMENTS:				Observed by: S.M. Date: July, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332739

ASSESSMENT

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

NEGATIVE

STREAMSED
26.54 kgs
16.8 grams
-1.2+0.25 mm

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

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Beige, grey-blue, sub/anhedra, moderately to well worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	15%	Tr		Yellow-brown, red-brown, dull pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	65%	75%		Silvery-black, sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE		5%	10%		Beige, grey, brown.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Palest green, beige, sub/anhedra, translucent, moderately worn.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, worn. Rare.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME	Tr	15%	Tr		Creamy pink, creamy brown, grey, cream, dull opaques.
ZIRCON		Tr	15%		Fe-stained, colourless, well rounded, orange-brown.

ROCK FRAGMENTS				
COMMENTS:				Observed by: B.G. Date: July, 1996



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332740

ASSESSMENT

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

NEGATIVE

STREAMSED
25.00 kgs
2.8 grams
-1.2+0.25 mm

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

	%	%	%		
OTHER MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Blue-grey, yellow-grey, sub/translucent, opaque, subhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE			Tr		Orange-red, frosted, blocky.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	15%	Tr		Brown, red-brown, rounded, earthy fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	85%	85%		Silvery-black, tabular, angular, grooved.
KYANITE					
LEUCOXENE			Tr		Grey-blue, grey, brown, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Pink, yellow, orange, honey brown, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, black-red, elongate, rounded, opaque.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, frosted, rounded.
SULPHIDES					
TOURMALINE	Tr	Tr			Black, brown, well rounded.
XENOTIME					
ZIRCON		Tr	15%		Cream, honey-brown, colourless, well rounded, some metamict.

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

ROCK FRAGMENTS				
COMMENTS:				Observed by: J.D. Date: July, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332741

ASSESSMENT

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

NEGATIVE

STREAMSED
22.68 kgs
2.4 grams
-1.2+0.25 mm

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

% % %
 +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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Grey-blue, sub/anedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	98%	85%		Yellow-brown, red-brown, dull pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			5%		Silvery-black, sub/anedral, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Tan, beige, grey, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	7%		Black-brown, well rounded.
XENOTIME	Tr	2%	Tr		Creamy pink, cream, dull, opaques.
ZIRCON		Tr	3%		Colourless, Fe-stained, well rounded.
CHALCOPYRITE			Tr		1 + 0.25mm, brassy, angular, fresh.

ROCK FRAGMENTS				
COMMENTS:				Observed by: B.G. Date: July, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332742

ASSESSMENT

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

NEGATIVE

STREAMSED
25.26 kgs
23.8 grams
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Blue-grey, subhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	90%	20%		Yellow-brown, red-brown, dull pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	10%		Silvery-black, sub/anhedral, moderately worn.
KYANITE					
LEUCOXENE			5%		Brown, beige, grey, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Orange, resinous opaques.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare. Cherry red, generally rounded, worn anhedral.
SPHENE					
SPINEL					
STAUROLITE		Tr			Rare. Orange-brown, blocky, moderately worn.
SULPHIDES					
TOURMALINE		Tr	5%		Black-brown, well rounded.
XENOTIME		10%	Tr		Cream, creamy pink, grey, creamy-brown, dull opaques; also beige-brown subhedra, translucent, moderately worn.
ZIRCON		Tr	60%		Colourless, orange-brown, Fe-stained, well rounded,

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

ROCK FRAGMENTS				
COMMENTS:				Observed by: B.G. Date: July, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332743

ASSESSMENT

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

NEGATIVE

STREAMSED
25.18 kgs
7.7 grams
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Blue-black, greyish-yellow, ice blue, sub/anhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	70%	10%	Tr		Brown, red-brown, rounded, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		40%	45%		Silvery-black, tabular, angular, moderately worn.
KYANITE					
LEUCOXENE	Tr	Tr	Tr		Beige, brown, cream, opaque, rounded, blocky.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	30%	45%	5%		Cream, pale pink, honey brown, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Black-red, cherry-red, elongate, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr		Tr		Black, brown, rounded.
XENOTIME					
ZIRCON		5%	50%		Honey brown, colourless, pale pink, yellow, cream, transparent to opaque, well rounded, some metamict.

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

ROCK FRAGMENTS				
COMMENTS:				Observed by: J.D. Date: July, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332744

ASSESSMENT

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

NEGATIVE

STREAMSED
24.30 kgs
27.4 grams
-1.2+0.25 mm

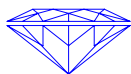
	%	%	%		
KEY MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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

OTHER MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Grey-blue, ice blue, translucent to opaque, subhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		Yellow-green, sub-translucent laths.
FE OXIDE/HYDROXIDE	100%	15%	5%		Brown, red-brown, rounded, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	85%	90%		Silvery-black, tabular, blocky, angular.
KYANITE					
LEUCOXENE		Tr	5%		Brown, beige, cream, rounded, angular after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr				Pink, resinous, blocky, rounded.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Cherry red, black, opaque, subhedral.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Brown, pale orange, black, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Honey brown, cream, colourless, rounded, subhedral.
ROCK FRAGMENTS					

COMMENTS: Sample has been MAG separated.
N/M, M 6/7 fully observed.
M 4/5 + 0.8mm fully observed.
M 4/5 + 0.4mm ¼ split observed.
M 4/5 + 0.25mm, 1/32 split observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332745

ASSESSMENT

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

NEGATIVE

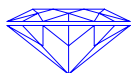
STREAMSED
26.76 kgs
8.6 grams
-1.2+0.25 mm

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Yellowish-green, blue, transparent to subtranslucent, eu/subhedral, slightly to moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		Yellowish-green, rare, translucent, blocky, moderately worn.
FE OXIDE/HYDROXIDE	70%	51%	3%		Brown, dull, blocky, rounded.
GARNET					
GOLD			Tr		1 + 0.25mm, nuggetty, worn.
GORCEIXITE					
HAEMATITE					
ILMENITE		15%	46%		Silvery-black, sub/anhedral, angular, blocky, moderately worn.
KYANITE					
LEUCOXENE		2%	4%		Beige, greyish, porcelain-like surfaces, blocky.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	30%	15%	2%		Creamy, pinkish-orange, dull to resinous, opaque, blocky, worn.
PREHNITE					
PYROXENE					
RUTILE			Tr		Dark red, silvery-black, subtranslucent, opaque, anhedral, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	2%	5%		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON		15%	40%		Colourless, pink, yellow, orange, transparent to opaque, rare subhedra, moderately worn, mostly 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:
Date:S.M.
July, 1996.DIATECH
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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332746

ASSESSMENT

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

NEGATIVE

STREAMSED
18.90 kgs
72.5 grams
-1.2+0.25 mm

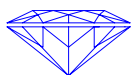
KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Golden yellow, tabular.
APATITE			Tr		Colourless, subhedral.
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	50%	10%		Brown, red-brown, rounded, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	50%	90%		Silvery-black, tabular, angular.
KYANITE					
LEUCOXENE			Tr		Beige, brown, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Pale pink, orange-brown, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE			Tr		Orange-red, tabular, translucent.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Brown, black, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, brown, rounded, subhedral.
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: ¼ split + 0.25mm observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332747

ASSESSMENT

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

NEGATIVE

STREAMSED
23.64 kgs
114.2 grams
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	45%	30%		Brown, red-brown, black, rounded, some pseudomorphs after pyrite.
GARNET			Tr		Almandine - pale pink fragment.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	55%	60%		Silvery-black, tabular, angular, rounded, grooved.
KYANITE					
LEUCOXENE		Tr	5%		Cream, brown, beige, grey-blue, rounded, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Orange-brown, grey, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Red-black, cherry red, elongate, rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, blocky, black inclusions.
SULPHIDES					
TOURMALINE	Tr	Tr	5%		Brown, black, pale orange, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, honey brown, yellow, subhedral, well rounded.
ROCK FRAGMENTS					
COMMENTS:					Observed by: J.D. Date: July, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332748

ASSESSMENT

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

NEGATIVE*

STREAMSED
19.82 kgs
154.2 grams
-1.2+0.25 mm

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE					
APATITE					
BARITE	Tr	Tr	Tr		Colourless, transparent, translucent, anhedral, blocky, fresh.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	75%	30%		Reddish-brown, brown, dull, rounded, blocky.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	25%	69%		Black, silvery-black, subangular, blocky, worn. *1 + 0.8mm, silvery-black, anhedral, rounded, sub-conchoidal fracture. 2.70-3.45% MgO, 0-0.21% Cr ₂ O ₃
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
SULPHIDES		Tr			Fresh fragments as veins in Fe-oxide, chalcopryrite.
TOURMALINE			1%		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, Fe-stained, anhedral, rounded.
ROCK FRAGMENTS					
COMMENTS: + 0.8mm, + 0.4mm, fully observed. + 0.25mm, 1/8 split observed.					Observed by: S.M. Date: July, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332749

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm

NEGATIVE*

STREAMSED
27.42 kgs
348.1 grams

Size fractions observed -1.2+0.25 mm

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

% % %

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

OTHER MINERALS	+0.8	+0.4	+0.25	mm BRIEF DESCRIPTION
AMPHIBOLE				
ANATASE			Tr	Golden yellow, grey, sub/anhedra, moderately worn.
APATITE				
BARITE				
CALCITE				
CASSITERITE				
CORUNDUM			Tr	1 + 0.25mm, pale lilac-blue, fragment, moderately worn.
EPIDOTE		Tr	Tr	Yellow-green, translucent, moderately worn. Rare.
FE OXIDE/HYDROXIDE	100%	75%	15%	Red-brown, brick-red, yellow-brown, dull pisolites.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE		25%	85%	Silvery-black, sub/anhedra, moderately worn. **6 + 0.8mm, 1 + 0.4mm, silvery-black, subangular to rounded, blocky, pitted surfaces. 2.86-4.09% MgO, 0-0.37% Cr2O3
KYANITE				
LEUCOXENE		Tr	Tr	Beige, brown, grey-green, porcelain-like.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE		Tr	Tr	Orange, well rounded, resinous opaques.
PHOSPHATES		Tr	Tr	Orange, yellow-brown, blocky to rounded, resinous.
PREHNITE				
PYROXENE	Tr			1 + 0.8mm, honey brown, blocky, striate, moderately worn.
RUTILE			Tr	Rare. Cherry red, rounded.
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE		Tr	Tr	Black-brown, well rounded.
XENOTIME				
ZIRCON		Tr	Tr	Colourless, orange, generally well rounded, rare subhedra, moderately worn.
ROCK FRAGMENTS				

COMMENTS:

-1.2 + 0.8mm fully observed.
 - 0.8 + 0.25mm MAG separated.
 NM fully observed
 M 6/7 - 0.8mm + 0.4mm fully observed
 - 0.4mm+ 0.25mm, 1/8 split observed.
 M 4/5 - 0.8 + 0.4mm fully observed.
 - 0.4 + 0.25mm, 1/32 split observed.

Observed
 by:
 Date:

B.G.
 July, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332750

ASSESSMENT

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

NEGATIVE*

STREAMSED
23.46 kgs
79.2 grams
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Rare. Beige/grey, sub/anhedra, moderately worn.
APATITE					
BARITE	Tr	Tr	Tr		Colourless, frosted, tabular, moderately worn, Fe-stained.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		Rare. Yellow-green, translucent, moderately worn.
FE OXIDE/HYDROXIDE	100%	10%	3%		Yellow-brown, red-brown, dull to polished pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	90%	95%		Silvery-black. *4 + 0.8mm, silvery-black, blocky to rounded, pitted surfaces, moderately worn. 2.83-3.74% MgO, 0-0.29% Cr2O3
KYANITE					
LEUCOXENE		Tr	Tr		Beige, brown, grey-brown.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Orange, orange-yellow, well rounded, opaques.
PHOSPHATES	Tr	Tr	Tr		Grey, red-brown, creamy-pink, cram, orange, resinous opaques.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Rare. Cherry red, elongate to rounded, moderately worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown.
SULPHIDES					
TOURMALINE	Tr	Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	2%		Fe-stained, orange.
PLUMBOGUMMITE			Tr		1 + 0.25mm, pale beige-brown, rounded, opaque.
ROCK FRAGMENTS					

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

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

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332751

ASSESSMENT

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

NEGATIVE*

STREAMSED
22.78 kgs
185.4 grams
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Blue-grey, opaque, rounded.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Greenish, opaque, rounded.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	35%	Tr		Brown, red-brown, rounded, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	65%	90%		Silvery-black, blocky, angular. *1 + 0.4mm, silvery-black, rounded. 2.68-3.63% MgO, 0-0.22% Cr ₂ O ₃
KYANITE					
LEUCOXENE		Tr	10%		Brown, beige, angular, blocky, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Pale orange, grey, pink, brown, resinous, translucent.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Cherry red, orange-red, elongate.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, frosted, rounded.
SULPHIDES					
TOURMALINE	Tr	Tr	Tr		Black, brown, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Honey brown, yellow, brown, well rounded, subhedral, some metamict.
ROCK FRAGMENTS					

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

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

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332752

ASSESSMENT

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

NEGATIVE

STREAMSED
18.52 kgs
492.2 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 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		Yellow, beige, grey-blue anhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		Rare. Yellow-green, subtranslucent, moderately worn.
FE OXIDE/HYDROXIDE	100%	10%	10%		Yellow-brown, red-brown, dull pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	90%	85%		Silvery-black, sub/anhedral, moderately worn.
KYANITE					
LEUCOXENE		Tr	2%		Brown, beige, grey-green, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	Tr	Tr		Orange, orange-brown, red-brown, resinous opaques.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Rare. Cherry red, orange-red, anhedral, moderately worn to worn.
SPHENE		Tr	Tr		Beige subhedra, subtranslucent, moderately worn.
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	2%		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	1%		Colourless, Fe-stained, orange-brown, well rounded.

COMMENTS:

- 1.2 + 0.8mm, fully observed.
- 0.8 + 0.4mm, MAG separated
- NM fully observed
- M 6/7 - 0.8 + 0.4mm fully observed.
- 0.4 + 0.25mm, 1/8 split observed.
- M 4/5 - 0.8 + 0.4mm, 1/8 split observed.
- 0.4 + 0.25mm, 1/64 split observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332753

ASSESSMENT

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

NEGATIVE

STREAMSED
23.94 kgs
410.0 grams
-1.2+0.25 mm

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Yellow, translucent, subhedral, blocky, tabular, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	90%		Reddish-brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	10%		Silvery-black, sub/anhedral, subangular, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE			Tr		Creamy beige, greyish.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
STAUROLITE			Tr		Brown, transparent, anhedral, tabular, worn.
SULPHIDES					
TOURMALINE		Tr	Tr		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, transparent, anhedral, rounded.
ROCK FRAGMENTS					
COMMENTS: + 0.8mm, fully observed. + 0.4mm, ½ split observed. + 0.25mm, ¼ split observed.					Observed by: S.M. Date: July, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332754

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm

NEGATIVE

STREAMSED
34.84 kgs
2795.6 grams

Size fractions observed -1.2+0.25 mm

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

	%	%	%	
OTHER MINERALS	+0.8	+0.4	+0.25	mm BRIEF DESCRIPTION
AMPHIBOLE				
ANATASE		Tr	Tr	Beige, golden yellow, ice blue, sub/anhedral.
APATITE				
BARITE				
CALCITE				
CASSITERITE				
CORUNDUM				
EPIDOTE				
FE OXIDE/HYDROXIDE	95%	3%	Tr	Brown, red-brown, rounded, moderately worn.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE	5%	97%	99%	Silvery-black, tabular, angular.
KYANITE				
LEUCOXENE		Tr	1%	Brown, grey, cream, rounded, angular, after ilmenite.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE				
PHOSPHATES			Tr	Orange-brown, resinous, rounded.
PREHNITE				
PYROXENE				
RUTILE		Tr	Tr	Black-red, cherry red, tabular, elongate.
STAUROLITE			Tr	Orange-brown, frosted, rounded.
SULPHIDES				
TOURMALINE			Tr	Black, brown, pale orange, well rounded, subhedral.
XENOTIME				
ZIRCON		Tr	Tr	Yellow, honey brown, colourless, sub/anhedral.
ANDALUSITE			Tr	pale pink, blocky.
ROCK FRAGMENTS				

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

COMMENTS: + 0.8mm fully observed.
Sample has been MAG separated.
(- 0.8 + 0.25mm
(N/M fully observed
(M 6/7 fully observed.
M4/5 + 0.4 1/128 split) observed
M 4/5 + 0.25 1/256 split) observed

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

HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332755



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ASSESSMENT

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

NEGATIVE

STREAMSED
25.44 kgs
393.0 grams
-1.2+0.25 mm

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Golden yellow, blue, transparent, translucent, subhedral, blocky, slightly worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	25%	15%		Yellow-brown, reddish-brown, subangular, blocky, dull.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		75%	85%		Silvery-black, sub/anhedral, subangular, blocky, tabular, moderately worn.
KYANITE					
LEUCOXENE			Tr		Creamy, beige, greyish, dull to porcelain-like surface, blocky, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange-brown, opaque, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Dark red, sub-translucent, anhedral, blocky.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Blue, brown-black, anhedral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, orange, transparent, translucent, rounded.
ROCK FRAGMENTS					

COMMENTS: + 0.8mm fully observed
- 0.8mm + 0.25mm MAG separated.
N/M fully observed
M 6/7 fully observed
M 4/5 1/32 split observed.

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

HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332756



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ASSESSMENT

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

NEGATIVE

STREAMSED
25.98 kgs
26.5 grams
-1.2+0.25 mm

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Rare. Beige, grey-blue, sub/anhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		2 + 0.25mm, one is colourless, rounded, the other is a lilac blue fragment, moderately worn, black inclusions.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	30%		Red-brown, yellow-brown, dull, pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		5%	35%		Silvery-black, sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE			35%		Grey-green, grey-brown, beige, brown, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Rare. Pale orange, cream, resinous, opaque.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare. Cherry red, elongate to rounded, moderately worn to worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare. Orange-brown, rounded fragments.
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, rarely coloured, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, orange-red, Fe-stained, well rounded.
Al SILICATE			Tr		1 + 0.25mm, palest pink, rounded, moderately worn.
ROCK FRAGMENTS					
COMMENTS:				Observed by: Date:	B.G. July, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332757

ASSESSMENT

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

POSITIVE

STREAMSED
27.34 kgs
497.8 grams
-1.2+0.25 mm

% % %

KEY MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		1 + 0.25mm, black, dull, well rounded, anhedral, fine cokey surface, moderately worn. Kimberlitic.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

% % %

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

OTHER MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Grey-blue, blue, golden yellow sub/anhedra, moderately worn.
APATITE					
BARITE	Tr	Tr	Tr		Colourless, Fe-stained, frosted, tabular, etched, also creamy-white, globular, granulated opaques.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	5%		Yellow-brown, red-brown, brown, polished pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	5%	95%		Silvery-black, tabular, sub/anhedral, moderately worn. 3 + 0.8mm silvery-black, blocky to more angular, very low Mg.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, grey-brown, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Red-brown, resinous, blocky opaques.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Cherry red, black, well rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare. Orange-brown, rounded, black inclusions.
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Orange-brown, colourless, well rounded.
ROCK FRAGMENTS					

COMMENTS:
 - 1.2 + 0.8mm fully observed.
 - 0.8 + 0.25mm MAG separated.
 NM fully observed.
 M 6/7 - 0.8 + 0.4mm fully observed.
 - 0.4 + 0.25mm ½ split observed.
 M 4/5 - 0.8 + 0.25mm 1/64 split observed.

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

HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332758



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ASSESSMENT

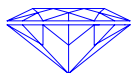
Type of sample
 Head Weight
 Conc Weight -1.2+0.25mm
 Size fractions observed

NEGATIVE*

STREAMSED
 22.64 kgs
 428.1 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		Golden, translucent, subhedral, slightly worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Pale blue, rare, transparent, anhedral, tabular, worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	15%	Tr		Reddish-brown, brown, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	85%	99%		Silvery-black, sub/anhedral, angular, blocky, rounded,. *Some with low Mg 1.90 -2.30% MgO, 0-0.24% Cr2O3
KYANITE					
LEUCOXENE		Tr	1%		Beige, greyish, brown, dull to porcelain-like surfaces, blocky.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Rare. Dark red, subtranslucent, anhedral, blocky, worn.
SPHENE					
SPINEL					
STAUROLITE		Tr	Tr		Golden brown, transparent, anhedral, well worn.
SULPHIDES					
TOURMALINE			Tr		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, some Fe-stained, transparent, anhedral, rounded.
ROCK FRAGMENTS					
COMMENTS: + 0.8mm fully observed - 0.8mm + 0.25mm MAG separated. N/M fully observed M 6/7 fully observed M 4/5 1/32 split observed.					Observed S.M. by: August, Date: 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332759

ASSESSMENT

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

NEGATIVE

STREAMSED
19.22 kgs
104.8 grams
-1.2+0.25 mm

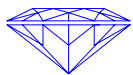
KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Beige, sky blue, grey sub/anedral, translucent to subtranslucent, moderately worn to worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM	Tr				1 + 0.8mm, brown (unnatural?), black inclusions.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	70%	10%		Yellow-brown, red-brown, dull, pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE		Tr	Tr		Specular, platy.
ILMENITE	Tr	30%	90%		Silvery-black, sub/anedral, moderately worn.
KYANITE					
LEUCOXENE	Tr	Tr	Tr		Cream, beige, brown, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Orange, resinous opaque.
PHOSPHATES		Tr	Tr		Red-brown, resinous, blocky opaques.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Orange, palest pink, colourless, well rounded.
ROCK FRAGMENTS					

COMMENTS:
- 1.2 + 0.4mm fully observed.
- 0.4 + 0.25mm, 1/3 split observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332760

ASSESSMENT

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

NEGATIVE*

STREAMSED
23.98 kgs
41.9 grams
-1.2+0.25 mm

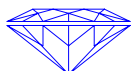
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER*					

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Pale beige, yellow, subtranslucent
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	12%	3%		Brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	88%	97%		Silvery-black, sub/anhedral, subangular, tabular, moderately worn. *Some grains low MgO: 1.85-2.62% MgO, 0-0.28% Cr2O3
KYANITE					
LEUCOXENE			Tr		Beige, greyish, porcelain-like surface, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Brown-black, anhedral, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, reddish-brown, transparent, subtranslucent, rounded.
ROCK FRAGMENTS					

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

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332761

ASSESSMENT

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

NEGATIVE

STREAMSED
28.18 kgs
264.7 grams
-1.2+0.25 mm

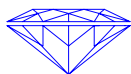
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Golden, translucent, subhedral, tabular, moderately worn. Rare.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE		Tr			Rare. Green, translucent, striate, anhedral, moderately worn.
FE OXIDE/HYDROXIDE	100%	20%	2%		Yellow-brown, reddish-brown, dull, anhedral, subangular, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	80%	90%		Silvery-black, sub/anhedral, angular, blocky, tabular, rounded.
KYANITE					
LEUCOXENE	Tr	Tr	8%		Creamy beige, brown, porcelain-like surface, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	Tr	Tr		Pale orange, orange-brown, resinous, opaque, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Dark red, subtranslucent, anhedral, blocky, moderately worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden brown, transparent, anhedral, worn.
SULPHIDES					
TOURMALINE	Tr	Tr	Tr		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, some Fe-staining, 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 1/2 split) is 2 grains in a 1/2 split of the +0.25mm fraction

COMMENTS: Conc has been MAG separated
N/M fully observed
M 6/7 fully observed
M 4/5 1/32 split observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332762

ASSESSMENT

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

NEGATIVE

STREAMSED
22.20 kgs
14.4 grams
-1.2+0.25 mm

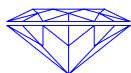
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	63%		Reddish-brown, brown, dull, subangular, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	10%		Silvery-black, black, anhedral, subangular, blocky, moderately worn.
KYANITE					
LEUCOXENE		Tr	2%		Creamy, dull, anhedral, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	5%	25%		Brown, brown-black, anhedral, rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					

COMMENTS:

 Observed
by:
Date:

 S.M.
Aug. 1996.

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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO
332763
ASSESSMENT

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

NEGATIVE

 STREAMSED
23.88 kgs
1.8 grams
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Silvery-grey, blue-grey, opaque, anhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		Yellow-green, blocky, subtranslucent.
FE OXIDE/HYDROXIDE	100%	40%	10%		Brown, red-brown, rounded, fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr			Silvery-black, tabular, blocky, angular.
KYANITE			Tr		Colourless, tabular.
LEUCOXENE		Tr	Tr		Beige, cream, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Orange-brown, resinous, well rounded.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, rounded, frosted.
SULPHIDES					
TOURMALINE	Tr	60%	70%		Black, brown, blue-grey, well rounded.
XENOTIME					
ZIRCON		Tr	20%		Honey-brown, brown, colourless, pink, transparent to opaque, rounded, subhedral.
ROCK FRAGMENTS					

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

COMMENTS:

 Observed
by:
Date:

 J.D.
August 1996

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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO
332764
ASSESSMENT

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

NEGATIVE

 STREAMSED
24.46 kgs
43.6 grams
-1.2+0.25 mm

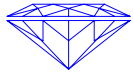
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Golden yellow, grey-blue, sub/anhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	48%	5%		Yellow-brown, red-brown, dull pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		50%	90%		Silvery-black, moderately worn.
KYANITE					
LEUCOXENE	Tr	Tr	3%		Beige, brown, grey, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Orange, resinous, opaque.
PHOSPHATES	Tr	Tr	Tr		Orange, milky pink, yellow-brown, creamy-white, dull to resinous opaques.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	2%	1%		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	1%		Yellow-orange, colourless, orange, well rounded.
ROCK FRAGMENTS					

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

COMMENTS: Conc has been MAG separated
 NM fully observed.
 M 6/7 fully observed.
 M 4/5 - 1.2 + 0.4mm fully observed
 - 0.4 + 0.25mm ¼ split observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332765

ASSESSMENT

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

NEGATIVE

STREAMSED
 17.58 kgs
 98.9 grams
 -1.2+0.25 mm

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Rare. Beige, subhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE		Tr			1 + 0.4mm, reddish-orange, blocky, moderately worn.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	35%		Yellow-brown, red-brown, dull pisolites/fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		3%	45%		Silvery-black, moderately worn to worn.
KYANITE					
LEUCOXENE		Tr	14%		Grey-blue, brown, tan, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Creamy grey, orange-brown, resinous, rounded opaques.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, rounded, black inclusions, moderately worn to worn.
SULPHIDES					
TOURMALINE		2%	5%		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	1%		Colourless, orange-brown.

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

ROCK FRAGMENTS				
COMMENTS:				Observed by: B.G. Date: August, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332766

ASSESSMENT

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

NEGATIVE

STREAMSED
20.66 kgs
14.8 grams
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Golden yellow, subtranslucent, tabular.
APATITE					
BARITE					
CALCITE					
CASSITERITE			Tr		Red, frosted, blocky.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	85%	10%		Red-brown, brown, rounded, fragments.
GARNET			Tr		Almandine - pale pink, rounded.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	60%		Silvery-black, angular, tabular.
KYANITE			Tr		Colourless, tabular.
LEUCOXENE		Tr	10%		Brown, cream, angular, blocky, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange-brown, resinous, well rounded.
PREHNITE					
PYROXENE					
RUTILE			Tr		Orange-red, cherry red, rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, frosted, rounded.
SULPHIDES					
TOURMALINE	Tr	15%	15%		Brown, orange, well rounded, subhedral.
XENOTIME					
ZIRCON		Tr	5%		Honey brown, colourless, sub/anhedral, transparent to opaque.

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

ROCK FRAGMENTS				
COMMENTS:				Observed by: J.D. Date: August, 1996