



DIATECH
Ph 61 9 361 2596
Fx 61 9 470 1504

File: 96-058.doc

HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332601

ASSESSMENT

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

NEGATIVE

STREAMSED
19.08 kgs
34.8 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		Pale blue, golden yellow.
APATITE					
BARITE					
CALCITE					
CASSITERITE		Tr			Colourless, translucent, subhedral, moderately worn.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	25%	5%		Brown, dull, anhedral, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	65%	93%		Silvery-black, sub/anhedral, tabular, blocky, rounded, slightly to moderately worn.
KYANITE					
LEUCOXENE		8%	1%		Beige, brown, tabular, blocky, rounded, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Orange-red, sub/anhedral, translucent, moderately worn to rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden brown, transparent, translucent, subangular, blocky, moderately worn.
SULPHIDES					
TOURMALINE	Tr	2%	1%		Brown-black, anhedral, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, pale pink, transparent, anhedral, well rounded.
ROCK FRAGMENTS					

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

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332602

ASSESSMENT

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

NEGATIVE

STREAMSED
18.56 kgs
31.7 grams
-1.2+0.25 mm

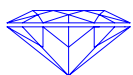
KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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					
APATITE					
BARITE					
CALCITE					
CASSITERITE			Tr		Bright red, translucent, anhedral, blocky, worn.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	50%	62%	2%		Yellow-brown, brown, dull, worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	19%	93%		Silvery-black, sub/anhedral, mostly subangular, tabular, slightly worn, some rounded, worn.
KYANITE					
LEUCOXENE		3%	5%		Creamy, Beige, grey, anhedral, blocky, rounded.
MAGNETITE					
MICA			Tr		Dark brown, subtranslucent, anhedral flakes.
MN OXIDE					
MONAZITE					
PHOSPHATES	50%	8%	Tr		Orange, orange-brown, resinous, opaque, well rounded.
PREHNITE					
PYROXENE					
RUTILE			Tr		Dark cherry red, subtranslucent, rounded, worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Brown, transparent, translucent, subangular, blocky, moderately worn.
SULPHIDES					
TOURMALINE	Tr	8%	Tr		Brown-black, anhedral, well rounded.
XENOTIME					
ZIRCON		Tr	tr		Colourless, pink, yellow, transparent, translucent, sub/anhedral, slightly worn to well rounded.
Al,Si			Tr		Pale green, transparent, well rounded, trace Fe
ROCK FRAGMENTS					

COMMENTS: Conc MAG Separated
M4/5 +0.25mm, ½ split observed.
Remainder of sample fully observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332603

ASSESSMENT

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

NEGATIVE

STREAMSED
27.80 kgs
32.8 grams
-1.2+0.25 mm

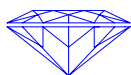
KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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		Palest blue, tabular, worn subhedra.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	40%	15%		Dull, red-brown, yellow-brown fragments, pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		40%	75%		Abundance of silvery-black subhedra, moderately worn to well worn.
KYANITE					
LEUCOXENE	Tr	Tr	Tr		Bluish-grey, brown, polished, porcelain-like, after ilmenite.
MAGNETITE		Tr	tr		
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Orange-red, brown, resinous, well rounded, opaque.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare, honey brown, well worn.
SULPHIDES					
TOURMALINE	Tr	20%	10%		Well rounded, black-brown grains.
XENOTIME					
ZIRCON		Tr	Tr		Mainly colourless, dull, also orange, well rounded and worn. Rare, pinkish, worn euhedra.
ROCK FRAGMENTS					

COMMENTS: Sample has been Mag Separated
Fully observed except -0.4 +0.25mm M4/5, ¼ split observed

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332604

ASSESSMENT

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

NEGATIVE

STREAMSED
19.48 kgs
28.7 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 (from ½ split) black, subhedral, very finely pitted. Not kimb
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Grey-blue, golden-yellow, opaque, anhedral, (some intergrown with Si)
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	98%	65%	30%		Brown, tan, red-brown, rounded, blocky.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		25%	30%		Black, tabular, grooved, subhedral, moderately worn.
KYANITE			Tr		Colourless/blue, tabular.
LEUCOXENE		10%	35%		Brown, beige, cream, blocky, subhedral.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	Tr	Tr		Orange-brown, white, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Pale orange-brown, orange-red, tabular. Rare.
SPHENE		Tr			Cream, opaque, subhedral.
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	5%		Black, brown, red, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Pale pink, colourless, honey brown, rounded, subhedral, some metamict.
CREAM			Tr		Opaque, SiTi, Trace Mg, Fe. Rare.
ROCK FRAGMENTS	2%				Fe-oxide/quartz composites.

COMMENTS: ½ split, +0.25mm observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332605

ASSESSMENT

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

NEGATIVE

STREAMSED
23.04 kgs
6.8 grams
-1.2+0.25 mm

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

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Golden yellow, blue, beige, sub/anhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	50%	5%		Yellow-brown, red-brown, brown, generally dull pisolites.
GARNET			Tr		Almandine. Pale pink, subangular, moderately worn.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		15%	70%		Silvery-black, subhedral, moderately worn.
KYANITE					
LEUCOXENE		5%	20%		Tan, grey-green, beige, sub/anhedra, dull to porcelain-like.
MAGNETITE					
MICA		Tr	Tr		1 + 0.4mm, brown, flaky.
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	Tr	Tr		Yellow-brown, orange-brown, white, resinous opaques.
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, sub/anhedra, moderately worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare. Golden orange-brown, moderately worn.
SULPHIDES					
TOURMALINE	Tr	30%	5%		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, Fe-stained, pale pink, yellow, sub/anhedra, moderately worn.
Al SILICATES		Tr	Tr		Colourless, blocky, moderately worn.
MOISSANITE			Tr		1 + 0.25mm, blue, subhedral, moderately worn.
ROCK FRAGMENTS					

COMMENTS:

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332606

ASSESSMENT

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

NEGATIVE

STREAMSED
15.62 kgs
116.0 grams
-1.2+0.25 mm

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

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Silvery-blue, golden yellow, honey brown, opaque, subhedral, earthy.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	99%	65%		Brown, red-brown, tan, rounded, blocky, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		1%	30%		Black, dull, silvery, blocky, subangular, grooved, moderately worn.
KYANITE					
LEUCOXENE		Tr	5%		Beige, cream, brown, blocky, opaque.
MAGNETITE					
MICA			Tr		Muscovite - colourless, transparent, flakes. Rare.
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Red-brown, sub-translucent, subhedral.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	Tr		Black, brown, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, pink, pale orange, rounded, subhedral.
ROCK FRAGMENTS					

COMMENTS:

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332607

ASSESSMENT

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

NEGATIVE

STREAMSED
22.38 kgs
1.1 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		Palest blue-grey, blue, orange-yellow, moderately worn, translucent fragments.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		1 + 0.25MM, Palest orange-pink, angular fragments.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	Tr	5%		Dull, beige-brown, mid-brown, pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		45%	55%		Strong, silvery-black lustre, moderately worn, subangular.
KYANITE					
LEUCOXENE		Tr	15%		After ilmenite, greyish, mid-brown, cream, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Well rounded, near spherical, pale orange, opaque.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare, bright cherry red, moderately worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		55%	20%		Well rounded, black-brown grains.
XENOTIME					
ZIRCON		Tr	Tr		1 + 0.4mm, several +0.25mm, colourless, well rounded, also palest pink, worn, broken euhedra.
ANDALUSITE			Tr		Well rounded, colourless, worn.
ROCK FRAGMENTS					

COMMENTS:

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332608

ASSESSMENT

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

NEGATIVE

STREAMSED
26.74 kgs
4.9 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		Grey-blue, orange-brown, subhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	80%	10%		Red-brown, yellow-brown, dull pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	5%		Silvery-black, sub/anhedral, moderately worn.
KYANITE					
LEUCOXENE			5%		Grey, beige, brown, sub/anhedra, dull to porcelain-like.
MAGNETITE					
MICA			Tr		1 + 0.25mm, colourless, flaky.
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		White, creamy-brown, orange, orange-brown, rounded, resinous opaques.
PREHNITE					
PYROXENE					
RUTILE			Tr		Black, bright, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		20%	80%		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, Fe-stained, well rounded.
ROCK FRAGMENTS					

COMMENTS:

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332609

ASSESSMENT

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

NEGATIVE

STREAMSED
21.18 kgs
23.7 grams
-1.2+0.25 mm

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

% % %

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Yellow-grey, cream, silvery grey, tabular, subhedral.
APATITE					
BARITE	Tr	Tr	Tr		White, granular, frosted.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	50%		Brown, red-brown, blocky, rounded.
GARNET			Tr		Almandine - transparent, pale pink, rounded.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	25%		Black, blocky, subangular, grooved, moderately worn.
KYANITE					
LEUCOXENE		Tr	10%		Brown, cream, grey, angular, rounded.
MAGNETITE					
MICA			Tr		Pale green, brown, opaque flakes.
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Orange, white, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, rounded.
SULPHIDES					
TOURMALINE	Tr	5%	15%		Black, brown, blue, orange, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Honey brown, pink, colourless, orange, yellow, rounded, subhedral, some metamict.
ROCK FRAGMENTS					

COMMENTS:

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332610

ASSESSMENT

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

NEGATIVE

STREAMSED
19.56 kgs
93.6 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		Rare. Beige, anhedral, subtranslucent, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Red-brown, yellow-brown, dull, pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, sub/anhedral, moderately worn; some highly polished, well rounded.
KYANITE					
LEUCOXENE		Tr	Tr		Grey, brown, subhedral, polished.
MAGNETITE					
MICA			Tr		Rare. Subhedral, polished, palest brown, flaky.
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	Tr	Tr		Orange-brown, beige, cream, resinous opaques.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, rarely coloured, generally well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, well rounded, transparent to translucent.
Al SILLICATES		Tr	Tr		Colourless, blocky, moderately worn.
ROCK FRAGMENTS					

COMMENTS: -1.2 + 0.4mm, fully observed.
-0.4 + 0.25mm, ½ split observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332611

ASSESSMENT

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

NEGATIVE

STREAMSED
28.82 kgs
1.1 grams
-1.2+0.25 mm

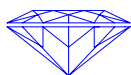
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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 yellow, brown, blue-grey, rounded, tabular.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	10%	Tr		Brown, red-brown, rounded, blocky, fragments.
GARNET			Tr		Almandine - pale pink, blocky, angular. Rare.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			1%		Silvery-black, tabular, blocky, grooved.
KYANITE					
LEUCOXENE			5%		Cream, brown, blocky, angular.
MAGNETITE					
MICA			Tr		Pale brown, opaque flakes. Rare.
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	5%		Grey, orange, cream, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, subhedral.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, rounded, frosted.
SULPHIDES					
TOURMALINE	Tr	90%	74%		Black, brown, well rounded.
XENOTIME					
ZIRCON		Tr	15%		Brown, orange, colourless, cream, rounded, subhedral.
ROCK FRAGMENTS					

COMMENTS:

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332612

ASSESSMENT

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

NEGATIVE

STREAMSED
23.68 kgs
1.0 grams
-1.2+0.25 mm

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

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Pale yellow, pale greyish-blue, brown.
APATITE					
BARITE			Tr		Colourless, translucent, blocky, moderately worn.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	30%	1%		Brown, dull, flaky, moderately worn.
GARNET			Tr		Almandine. Pale pink, subangular, rounded, worn, slight trace Mg.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		10%	25%		Silvery black, subangular, blocky, rounded, moderately worn.
KYANITE					
LEUCOXENE			21%		Beige, pale grey, brown, tabular, blocky, rounded, worn.
MAGNETITE					
MICA			Tr		Brown, translucent, anhedral flakes.
MN OXIDE					
MONAZITE		Tr	Tr		Brown, orange, opaque, resinous, well rounded.
PHOSPHATES		5%	3%		Pale orange, orange, honey brown, resinous, opaque, rounded.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Brown, orange, transparent, subangular, blocky, moderately worn.
SULPHIDES					
TOURMALINE		55%	45%		Brown-black, anhedral, well rounded.
XENOTIME					
ZIRCON			5%		Colourless, transparent, blocky, well rounded.
ANDALUSITE			Tr		Very pale pink, translucent, anhedral, blocky.
ROCK FRAGMENTS					

COMMENTS:

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332614

ASSESSMENT

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

NEGATIVE

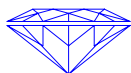
STREAMSED
22.12 kgs
11.5 grams
-1.2+0.25 mm

KEY MINERALS	% +0.8	% +0.4	% +0.25	BRIEF DESCRIPTION
DIAMOND				
PYROPE				
CHROMITE/CR SPINEL	Tr	Tr	Tr	1 + 0.8mm, 13 + 0.4mm, 4 + 0.25mm, Chromite, dull black, sub anhedral, smooth, pitted. Not kimb
CHROME DIOPSIDE				
PICROILMENITE				
PHLOGOPITE				
OTHER				

OTHER MINERALS	% +0.8	% +0.4	% +0.25	BRIEF DESCRIPTION
AMPHIBOLE				
ANATASE	Tr	Tr	Tr	Grey/brown, yellow, brown, grey-blue, black, opaque, subhedral, tabular.
APATITE				
BARITE				
CALCITE				
CASSITERITE		Tr	Tr	Clove brown, yellow/orange, grey, red-black, blocky, subhedral, subtranslucent.
CORUNDUM				
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	70%	40%	Brown, red-brown, tan, rounded, blocky, moderately worn.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE		10%	40%	Silvery-black, rounded, tabular, grooved.
KYANITE				
LEUCOXENE		Tr	Tr	Brown, cream, opaque, well rounded.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE				
PHOSPHATES	Tr	Tr	Tr	Pale orange, brown, resinous, rounded.
PREHNITE				
PYROXENE	Tr	Tr	Tr	Pale green, greenish-brown, translucent, surface striate.
RUTILE	Tr	5%	Tr	Black, cherry red, orange, rounded, subhedral, Nb rutile (Rare).
SPHENE		Tr	Tr	Grey-black, opaque, subhedral.
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE			Tr	Black, brown, well rounded.
XENOTIME		Tr		Creamy pink, opaque, granular.
ZIRCON	Tr	15%	20%	Orange, plum pink, colourless, honey brown, rounded, subhedral, some metamict.
TANTALITE			Tr	Black, opaque, rounded. Rare.
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

Observed	JD
by:	JUNE96
Date:	



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SAMPLE NO

332615

NEGATIVE

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

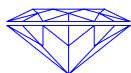
STREAMSED
22.82 kgs
0.3 grams
-1.2+0.25 mm

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

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

	%	%	%	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		5%	2%	Blue, yellow, greyish, translucent, subtranslucent, sub/anhedral, moderately worn.
APATITE				
BARITE		35%	1%	White, pink, opaque, anhedral, aggregates, moderately worn.
CALCITE				
CASSITERITE				
CORUNDUM				
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	27%	28%	Reddish-brown, brown, anhedral, worn.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE		10%	5%	Silvery-black, sub/anhedral, tabular, blocky, moderately worn.
KYANITE				
LEUCOXENE			10%	Creamy beige, grey, blocky, moderately worn.
MAGNETITE				
MICA			Tr	Dark brown, subtranslucent, anhedral flakes.
MN OXIDE				
MONAZITE				
PHOSPHATES		5%	2%	Beige, orange, rounded, resinous.
PREHNITE				
PYROXENE				
RUTILE		1%	2%	Cherry red, anhedral, rounded, worn.
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE	Tr	2%	40%	Brown-black, anhedral, well rounded.
XENOTIME		Tr	Tr	Pale pink, off-white, subtranslucent, opaque, anhedral, worn.
ZIRCON		15%	10%	Colourless, yellow, orange, Fe-stained, anhedral, well rounded.
ROCK FRAGMENTS				

COMMENTS:

Observed
by:
Date:S.M.
June, 1996.DIATECH
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HEAVY MINERAL ANALYSIS SHEET**SAMPLE NO****332616****ASSESSMENT**Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed**NEGATIVE**STREAMSED
22.14 kgs
225.0 grams
-1.2+0.25 mm

KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		Approx 28 + 0.25mm, broken, chipped sub/euhedra, finely cokey, one grain anhedral, vitreous. Not kimb
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Tabular, palest sky blue, grey-blue, rarely yellow-orange, moderately worn subhedra.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE		Tr	Tr		Rare, fresh to moderately fresh, yellow-green.
FE OXIDE/HYDROXIDE	100%	90%	35%		Pisolitic, mid-brown, polished.
GARNET			Tr		3 + 0.25mm, bright, yellow-orange, translucent anhedral, etched.
GOLD					
GORCEIXITE					
HAEMATITE	Tr	Tr	Tr		Specular, flaky aggregates, sometimes with quartz.
ILMENITE		10%	65%		Moderately worn, bright, silvery-black, subhedra.
KYANITE					
LEUCOXENE			Tr		After ilmenite, beige, grey-brown, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Near spherical, red-orange, pinkish, opaque, resinous.
PHOSPHATES					
PREHNITE					
PYROXENE		Tr	Tr		Mid-brown, greenish-brown, elongate, translucent, moderately fresh.
RUTILE		Tr	tr		Well worn, rounded, silvery-black.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Near spherical, black-brown.
XENOTIME			Tr		Cream, worn, opaque.
ZIRCON		Tr	tr		Near spherical, colourless, Fe-stained, orange.
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 +0.8mm fully observed, not Mag separated.
 NM -0.8mm +0.25mm, fully observed.
 M6/7 -0.4 +0.25mm, ¼ split observed, -0.8 +0.4mm fully observed.
 M4/5 -0.4 +0.25mm, ¼ split observed, -0.8 +0.4mm fully observed.

Observed by: L.G.
 Date: June, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332617

ASSESSMENT

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

NEGATIVE

STREAMSED
 18.96 kgs
 404.1 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	Tr		Pale grey-blue, brown, transparent, translucent, sub/anedral, blocky, tabular, slightly to moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		Yellow-green, translucent, anhedral, blocky, moderately worn.
FE OXIDE/HYDROXIDE	50%	15%	5%		Yellow-brown, reddish-brown, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	50%	85%	95%		Silvery-black, sub/anedral, angular, tabular, mostly intergrown with Feldspar.
KYANITE					
LEUCOXENE			Tr		Beige, grey, anhedral, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	Tr	Tr		Orange, pinkish-orange, resinous, anhedral, rounded.
PREHNITE					
PYROXENE		Tr	Tr		Brown, translucent, anhedral, blocky laths, slightly to moderately worn, possible Diopside.
RUTILE		Tr	Tr		Dark cherry red, silvery-black, anhedral, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Brown-black, anhedral, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, pink, orange, Fe-stained, anhedral, 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: Conc has been MAG Separated M6/7 N/M Fully observed. M4/5, 1/16 split observed.				Observed by: S.M. Date: June, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332618

ASSESSMENT

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

NEGATIVE

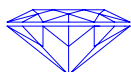
STREAMSED
22.98 kgs
113.0 grams
-1.2+0.25 mm

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	Tr		Beige, grey, sub/anhedra, moderately worn to worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	80%	35%		Yellow-brown, red-brown, polished pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE	Tr	Tr	Tr		Silvery-black, specular, flaky.
ILMENITE		20%	55%		silvery-black, sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, brown, subhedral, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange-brown, cream, orange.
PREHNITE					
PYROXENE		Tr	Tr		Rare. Pale yellow-brown, translucent, elongate, moderately worn.
RUTILE		Tr	Tr		Cherry red, black, generally well rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	7%		Black-brown, rarely coloured, well rounded.
XENOTIME					
ZIRCON		Tr	3%		Red, Fe-stained, colourless, orange, pink-brown, generally 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: -1.2 + 0.4mm, fully observed. -0.4 + 0.25mm, ½ split observed.				Observed by: B.G. Date: June, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332619

ASSESSMENT

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

NEGATIVE

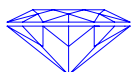
STREAMSED
18.48 kgs
96.4 grams
-1.2+0.25 mm

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL		Tr	Tr		1 + 0.4mm, 2 + 0.25mm, black, sub/anhedral, smooth faces, vitreous fractures. Not kimb
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE		Tr	Tr		Honey yellow, colourless, pale blue, transparent, translucent, sub/anhedral, blocky, tabular, moderately fresh to moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	98%	71%		Yellow-brown, reddish-brown, brown, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE	Tr	2%	4%		Black, red-black, specular, blocky, subangular, aggregates.
ILMENITE	Tr	Tr	25%		Silvery-black, sub/anhedral, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange, resinous, opaque, well rounded.
PREHNITE					
PYROXENE			Tr		Pale olive green, translucent, sub/angular, slightly worn MgCaS: slight trace Fe.
RUTILE	Tr				Dark cherry red, opaque, well rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES	Tr				Pale silvery yellow, anhedral, blocky, moderately worn arsenopyrite, AsFeS possible trace Ta.
TOURMALINE					
XENOTIME		Tr	Tr		Orange, sub-resinous, opaque, 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

ZIRCON		Tr	Tr	Colourless, yellow, Fe-stained, anhedral, well rounded.
ROCK FRAGMENTS				
COMMENTS:				Observed by: S.M. Date: June, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332620

ASSESSMENT

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

NEGATIVE

STREAMSED
15.10 kgs
467.6 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	Tr		Yellow, pale orange, blue-grey, tabular subhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		Rare, yellow-green, moderately fresh.
FE OXIDE/HYDROXIDE	100%	95%	80%		Abundance of mid-brown, polished pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE	Tr	Tr	Tr		Specular, micaceous.
ILMENITE	Tr	5%	20%		Silvery-black, moderately worn, blocky subhedra.
KYANITE					
LEUCOXENE			Tr		Beige, cream, grey, after ilmenite
MAGNETITE	Tr	Tr	Tr		
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE			Tr		Mid-brown, greenish-brown, elongate, translucent, moderately fresh.
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			Tr		Well rounded, black-brown grains.
XENOTIME					
ZIRCON			Tr		Colourless, well rounded, also worn euhedra.

ROCK FRAGMENTS				
COMMENTS: -1.2 +0.8mm fully observed. NM -0.8 +0.25mm, fully observed. M6/7 -0.8 + 0.25mm, ¼ split observed M4/5 -0.8 +0.25mm, fully observed.				Observed by: L.F. Date: June, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332621

ASSESSMENT

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

NEGATIVE

STREAMSED
20.54 kgs
203.1 grams
-1.2+0.25 mm

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE		Tr	Tr		Yellow, beige, grey-blue sub/anhedral, moderately worn to worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	85%	25%		Yellow-brown, red-brown, polished pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE	Tr	Tr	Tr		Specular, flaky aggregates.
ILMENITE	Tr	15%	70%		silvery-black sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, grey-green, subhedra, dull to polished.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Rare. Fe-stained, translucent, subhedral, moderately worn.
PHOSPHATES	Tr	Tr	Tr		Cream, brown, orange-brown, resinous opaques.
PREHNITE					
PYROXENE			Tr		Rare. Yellow-brown, elongate, translucent, moderately worn.
RUTILE		Tr	Tr		Cherry red, black, blocky, well rolled.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, subangular to well rounded.
XENOTIME					
ZIRCON		Tr	5%		Colourless, orange, yellow, rarely subhedral, generally 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:	N.M. M6/7 fully observed M4/5			Observed by: B.G. Date: June, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332622

ASSESSMENT

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

NEGATIVE

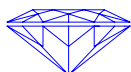
STREAMSED
19.02 kgs
93.6 grams
-1.2+0.25 mm

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

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr			Grey-blue, golden yellow, ice blue, subhedral, tabular.
APATITE					
BARITE					
CALCITE					
CASSITERITE			Tr		Brown/black, banded, blocky. Rare.
CORUNDUM					
EPIDOTE		Tr	Tr		Pistachio green, yellow-green, transparent lath, opaque, blocky rounded. Rare.
FE OXIDE/HYDROXIDE	100%	65%	55%		Brown, red-brown, rounded, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE	Tr	Tr	Tr		Black, specular, earthy, micaceous.
ILMENITE	Tr	35%	40%		Silvery-black, tabular, grooved, subrounded, subhedral.
KYANITE					
LEUCOXENE		Tr	Tr		Cream, opaque, blocky.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Brown, orange-brown, pink, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE	Tr	Tr	Tr		Black, cherry red, brown, rounded, subhedral.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black, brown, blue, well rounded.
XENOTIME					
ZIRCON		Tr	5%		Colourless, orange, pink, brown, yellow, transparent to opaque, rounded, subhedral.
DIASPORE			Tr		Pale pink, frosted, blocky.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332623

ASSESSMENT

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

NEGATIVE

STREAMSED
15.40 kgs
59.0 grams
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Pale yellow, blue, pale blue-grey, translucent, transparent, slightly to moderately worn.
APATITE					
BARITE		Tr	Tr		White, opaque, anhedral, aggregate, worn.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE		Tr	Tr		Dull green opaque, blocky, worn.
FE OXIDE/HYDROXIDE	100%	84%	76%		Yellow-brown, reddish-brown, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	15%	15%		Silvery-black, sub/anhedral, blocky, angular, tabular, moderately worn.
KYANITE					
LEUCOXENE			Tr		Beige, greyish, anhedral, blocky, worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Pale orange, pinkish-orange, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE	Tr	Tr	1%		Dark cherry red, orange-red, subtranslucent, anhedral, blocky, worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	6%		Brown-black, anhedral, well rounded.
XENOTIME					
ZIRCON		1%	2%		Colourless, pink, yellow, orange, Fe-stained, anhedral, rounded, transparent.

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: June, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332624

ASSESSMENT

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

NEGATIVE

STREAMSED
19.08 kgs
144.0 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	Tr		Honey brown, grey-blue, yellow, translucent, transparent, sub/anedral, slightly to moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE			Tr		Yellow, transparent, anhedral, rounded.
CORUNDUM					
EPIDOTE			Tr		Yellow-green, subtranslucent, anhedral, blocky, moderately worn. Rare.
FE OXIDE/HYDROXIDE	100%	70%	25%		Yellow-brown, brown, subangular, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE			Tr		Reddish-black, specular, anhedral, worn.
ILMENITE	Tr	30%	74%		Silvery-black, sub/anedral, tabular, angular, some rounded, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange-brown, pinkish-orange, sub-resinous, anhedral, rounded.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Dark cherry red, subtranslucent, opaque, anhedral, blocky, worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE					
XENOTIME					
ZIRCON		Tr	1%		Colourless, pink, yellow, orange, Fe-0stained, anhedral, 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: -0.8, 0.4mm, fully observed +0.25mm, ½ split observed.				Observed by: S.M. Date: June, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332625

ASSESSMENT

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

NEGATIVE

STREAMSED
19.46 kgs
20.0 grams
-1.2+0.25 mm

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

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Greenish-blue, pale blue-grey, yellow, transparent, translucent, sub/anhydral, slightly to moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	95%	20%	7%		Yellow-brown, brown, anhydral, blocky, rounded.
GARNET			Tr		Almandine - Rare, subhedral, blocky, moderately worn.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	75%	89%		Silvery-black, sub/anhydral, angular, blocky, moderately worn.
KYANITE					
LEUCOXENE		1%	2%		Beige, grey, anhydral, blocky, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		1%	1%		Pinkish-orange, beige, resinous, anhydral, rounded.
PREHNITE					
PYROXENE					
RUTILE			Tr		Dark cherry red, translucent, opaque, sub/anhydral, moderately worn to well rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			Tr		Brown-black, anhydral, well rounded.
XENOTIME	5%	3%	Tr		Off-white, chalky, opaque, anhydral, blocky, worn.
ZIRCON		Tr	1%		Colourless, pink, orange, Fe-stained, well rounded.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332626

ASSESSMENT

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

NEGATIVE

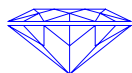
STREAMSED
18.18 kgs
4.0 grams
-1.2+0.25 mm

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

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 honey yellow, blue, grey-blue, worn subhedra.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	90%	78%	5%		Dull, rounded to angular fragments, pale red-brown.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		5%	15%		Silvery-black, moderately worn to worn subhedra.
KYANITE					
LEUCOXENE			Tr		Beige, grey, mid-brown, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE	Tr				Dull, grey-black. Rare.
MONAZITE			Tr		Resinous, worn.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		The larger grains are fresh, striate, cheery red, the small grains are well rounded, some Nb rutile.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		5%	40%		Near spherical, black-brown.
XENOTIME	10%	10%	5%		Palest pastel pink, orange, reddish, cream, blocky, worn, smooth, resinous surfaces.
ZIRCON		2%	35%		Colourless, orange, yellow, red-brown, some milky, near spherical.
ROCK FRAGMENTS					

COMMENTS:

Observed
by:
Date:L.F.
June, 1996.DIATECH
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HEAVY MINERAL ANALYSIS SHEET**SAMPLE NO****332627****ASSESSMENT**Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed**NEGATIVE**STREAMSED
20.66 kgs
669.0 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	Tr		Golden yellow, cream, ice blue, grey-blue, tabular, blocky, (some inter-grown with quartz).
APATITE					
BARITE		Tr			White, frosted, tabular.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE	Tr	Tr	Tr		Yellow-green, dark green, opaque, subhedral, rounded.
FE OXIDE/HYDROXIDE	95%	55%	40%		Brown, red-brown, tan, rounded, fractured.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	5%	44%	50%		Black, tabular, grooved, angular.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, cream, blocky, rounded, opaque.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Pink, pale orange, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE		1%	5%		Cherry red, black, opaque, blocky, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black, brown, well rounded.
XENOTIME					
ZIRCON		Tr	5%		Yellow, orange, brown, colourless, pink, transparent, opaque, rounded, subhedral.
DIASPORE			Tr		Pale pink, frosted, blocky. Rare.
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: Sample MAG Separated.
1/8 split M4/5, M6/7, -0.8 + 0.25mm, observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332628

ASSESSMENT

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

NEGATIVE

STREAMSED
23.04 kgs
19.6 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		Numerous, blue, yellow, grey, bi-coloured, blocky, moderately fresh to moderately worn subhedra.
APATITE					
BARITE					
CALCITE					
CASSITERITE			Tr		Palest grey, worn, transparent fragment.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	30%	Tr	Tr		Dull, red-brown fragments.
GARNET			Tr		Spessartine - Rare, orange, worn, transparent, vitreous.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		80%	95%		Silvery-black, worn.
KYANITE					
LEUCOXENE	Tr	Tr	3%		After ilmenite, beige, cream, eggshell blue, grey, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		See phosphates below.
PHOSPHATES	70%	20%	Tr		Xenotime, monazite, palest pink, cream, reddish, dusky to resinous opaques, rare green monazite.
PREHNITE					
PYROXENE	Tr				(?) 1 + 0.8mm, large, blocky, fresh crystal, khaki, translucent.
RUTILE	Tr	Tr	Tr		1 + 0.8, several + 0.25m, moderately fresh, blocky, elongate crystals, deep cherry-red, striate.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	1%		Well rounded, near spherical, black-brown grains.
XENOTIME			Tr		See phosphates below.
ZIRCON		Tr	1%		Colourless, orange, yellow, reddish, near spherical.
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: Sample has been Mag separated, M1/2/3 not observed
M 4/5 -0.4 + 0.25, ½ split observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332629

ASSESSMENT

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

NEGATIVE

STREAMSED
23.30 kgs
4.2 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		Blue-grey, sub/anhedra, translucent, to subtranslucent, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE		Tr	Tr		Rare. Orange-black, black, beige-brown, blocky, moderately worn.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	Tr	5%	Tr		Orange-brown, red-brown, dull pisolites; also flaky.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	25%		Silvery-black, sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE		Tr	3%		Beige, grey, dull to polished anhedra.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Rare. Yellow, greenish-yellow sub/anhedra, subtranslucent, moderately worn.
PHOSPHATES	100%	85%	2%		Orange, cream, creamy-pink, grey, orange-brown, blocky to rounded, dull to resinous opaques.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Orange-red, cherry red, black, brown, sub/anhedra, moderately worn. Rare Nb rutile.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	5%	10%		Black-brown, coloured, rarely subhedra, generally well rounded anhedra.
XENOTIME		Tr	Tr		Yellow-brown, sub/anhedra, translucent to subtranslucent, moderately worn.
ZIRCON	Tr	5%	60%		Colourless, Fe-stained, yellow-brown, generally 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: June, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332630

ASSESSMENT

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

NEGATIVE

STREAMSED
14.80 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					

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Pale blue, yellow, sub/anhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE	Tr	Tr	Tr		Rare. Orange-brown, beige, yellow, red, blocky to rounded, moderately worn.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	10%	Tr	Tr		Orange-brown, red-brown, dull, pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	85%	85%		Silvery-black sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE		Tr	3%		Brown, beige, sub/anhedral, dull to well polished.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Rare. Yellow, subhedral, subtranslucent, moderately worn.
PHOSPHATES	90%	15%	Tr		Grey, orange-brown, cream, creamy-pink, blocky to rounded, dull to resinous.
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare. Orange-red, worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	10%		Black-brown, blocky to well-rounded.
XENOTIME			Tr		Rare. Yellowish-brown, white, subhedral, moderately worn.
ZIRCON		Tr	2%		Colourless, yellow, Fe-stained, commonly well rounded.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332631

ASSESSMENT

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

NEGATIVE

STREAMSED
17.68 kgs
458.0 grams
-1.2+0.25 mm

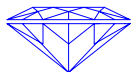
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Yellow, blue, brown, transparent, translucent, sub/anedral, slightly to moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	90%	10%		Yellow-brown, reddish-brown, blocky, rounded, worn.
GARNET					
GOLD					
HAEMATITE					
ILMENITE	Tr	10%	90%		Silvery-black, sub/anedral, tabular, angular, blocky, some with leucoxene coating.
KYANITE					
LEUCOXENE			Tr		Beige, anedral, blocky, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Pale orange, brown, resinous, anedral, rounded.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE	Tr				Brown, translucent, anedral, blocky, worn, frosted.
SULPHIDES					
TOURMALINE			Tr		Brown-black, anedral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, Fe-stained, transparent, anedral, 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: +1.0mm, +0.8mm, +0.4mm, ½ split observed
N/M M6/7 +0.25mm fully observed.
M4/5 +0.25mm, 1/16 split observed.
+0.25mm, MAG separated.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332632

ASSESSMENT

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

NEGATIVE

STREAMSED
22.92 kgs
365.0 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		Blue-grey, yellow sub/anhedra, translucent to opaque, moderately worn to worn.
APATITE					
BARITE	Tr	Tr	Tr		Colourless, tabular, translucent; also creamy, granular, opaque.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	98%	35%		Red-brown, yellow-brown, dull, pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		2%	45%		Silvery-black, tabular, moderately worn.
KYANITE					
LEUCOXENE		Tr	15%		Blue-grey, beige, grey sub/anhedra, dull to porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Orange, resinous opaques, rounded.
PHOSPHATES		Tr	Tr		Brick red, creamy, dull to resinous opaques.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Black, cherry red, well rounded.
SPHENE					
STAUROLITE			Tr		1 + 0.25mm, pale orange-brown fragment, moderately worn.
SULPHIDES					
TOURMALINE		Tr	5%		Black-brown, well rounded.
XENOTIME		Tr	Tr		Dull, rounded, red-brown, opaques.
ZIRCON		Tr	Tr		Colourless, Fe-stained, red, well rounded.
Al SILICATE		Tr	Tr		Colourless, blocky, translucent, moderately worn.
ROCK FRAGMENTS					

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

COMMENTS: NM)
M 6/7) Fully observed.
M 5/6)

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332633

ASSESSMENT

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

NEGATIVE

STREAMSED
20.40 kgs
68.0 grams
-1.2+0.25 mm

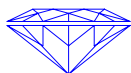
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Grey-blue, rounded, opaque.
APATITE					
BARITE		Tr			White, frosted, tabular, pitted.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	70%	57%		Brown, red-brown, rounded, fractured, blocky.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE		Tr			Silvery-black, specular, micaceous, blocky.
ILMENITE	Tr	30%	30%		Black, tabular, angular, moderately worn.
KYANITE					
LEUCOXENE	Tr	Tr	5%		Cream, beige, green, blocky, opaque.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Black, cherry red, elongate, opaque, translucent.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	5%		Black, brown, transparent, opaque, well rounded.
XENOTIME					
ZIRCON			3%		Orange, brown, colourless, pink, 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:

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332634

ASSESSMENT

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

NEGATIVE

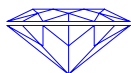
STREAMSED
28.52 kgs
136.5 grams
-1.2+0.25 mm

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

	%	%	%		
OTHER MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		Pale yellow-green, subtranslucent, anhedral, blocky, moderately worn.
FE OXIDE/HYDROXIDE	100%	99%	91%		Yellow-brown, brown, subangular, blocky, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	1%	8%		Silvery-black, subangular, tabular, blocky, some rounded.
KYANITE					
LEUCOXENE			Tr		Beige, dull, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	1%		Brown-black, anhedral, well rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					

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

COMMENTS:

Observed
by:
Date:S.M.
June, 1996.DIATECH
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HEAVY MINERAL ANALYSIS SHEET**SAMPLE NO****332635****ASSESSMENT**Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed**NEGATIVE**STREAMSED
22.50 kgs
15.0 grams
-1.2+0.25 mm

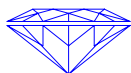
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Blue-grey, yellow-green, silvery-grey, translucent to opaque, granular, subhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	20%	5%		Brown, red-brown, rounded, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		79%	85%		Silvery-black, tabular, angular, grooved, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Brown, cream, opaque, blocky, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	1%	3%		Pink, grey, white, orange-brown, cream, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	2%		Black, brown, well rounded.
XENOTIME					
ZIRCON		Tr	5%		Pale yellow, orange, brown, colourless, pink.
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 J.D.
by: June, 1996.
Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332636

ASSESSMENT

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

NEGATIVE

STREAMSED
18.06 kgs
4.3 grams
-1.2+0.25 mm

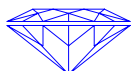
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Black, grey-blue, opaque, subhedral. Rare.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	98%	70%		Brown, red-brown, rounded, moderately worn.
GARNET					
GOLD		Tr	Tr		1 + 0.4mm, 1 + 0.25mm, gold grains.
GORCEIXITE					
HAEMATITE					
ILMENITE		1%	25%		Black, tabular, angular, grooved, moderately worn.
KYANITE					
LEUCOXENE			Tr		Cream, opaque, blocky.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange, cream, rounded, resinous.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	1%	5%		Black, brown, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Pale yellow, honey brown, cream, colourless, 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 J.D.
by: June, 1996.
Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332637

ASSESSMENT

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

NEGATIVE

STREAMSED
22.92 kgs
96.8 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		Palest blue-grey, worn subhedra, some yellow.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	15%	Tr		Yellow-brown, mid-brown, pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	85%	98%		Bright, silvery-black, moderately worn subhedra.
KYANITE					
LEUCOXENE	Tr	Tr	2%		Cream, beige, mid-brown, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Reddish-orange, resinous, opaque, worn.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE	Tr	Tr	Tr		Moderately fresh to moderately worn, deep cherry red to silvery black.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	Tr		Well rounded, near spherical, black-brown grains.
XENOTIME	Tr	Tr	Tr		Palest pink, peach, cream, resinous, blocky opaques.
ZIRCON		Tr	Tr		Colourless, palest pink, near spherical, frosted.
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 + 0.8mm not Mag separated, full observed, M1/2/3 scalp not observed NM fully observed M 6/7 fully observed M 4/5, -0.8 + 0.25mm, 1/8 observed.	Observed by: Date:	L.D> June, 1996.
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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332638

ASSESSMENT

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

NEGATIVE

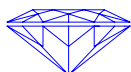
STREAMSED
24.66 kgs
24.0 grams
-1.2+0.25 mm

KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL		Tr			1 + 0.4mm, black, reddish-brown surface, anhedral, blocky. Not kimb.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Pale blue, grey-blue, sub/anhedral, translucent, blocky, tabular, slightly to moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE		Tr	Tr		Bright red, translucent, anhedral, rounded, worn.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	30%	1%	2%		Yellow-brown, brown, rounded, dull.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	2%	76%	81%		Silvery-black, sub/anhedral, angular, blocky, rounded.
KYANITE					
LEUCOXENE		1%	2%		Beige, Tan, Grey, sub/anhedral, blocky, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE	Tr	Tr	Tr		Orange-brown, resinous, opaque, rounded.
PHOSPHATES	35%	10%	11%		Cream, beige, orange, resinous, opaque, rounded.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Dark cherry red, silvery-black, anhedral, rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden-brown, transparent, anhedral, blocky, moderately worn.
SULPHIDES					
TOURMALINE	3%	2%	4%		Brown-black, anhedral, rounded.
XENOTIME	30%	10%	2%		Cream, beige, orange, resinous, opaque, rounded.
ZIRCON		Tr	8%		Colourless, pink, yellow, orange, transparent to opaque, anhedral, rounded.

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

ROCK FRAGMENTS				
COMMENTS: +0.8mm, +0.4mm fully observed. + 0.25mm, ¾ split observed.				Observed by: S.M. Date: June, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332639

ASSESSMENT

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

NEGATIVE

STREAMSED
23.70 kgs
5.1 grams
-1.2+0.25 mm

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

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Golden yellow, ice blue, opaque, tabular, subhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	70%	45%		Brown, red-brown rounded, blocky, earthy fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		30%	35%		Silvery-black, tabular, angular, grooved.
KYANITE					
LEUCOXENE		Tr	15%		Brown, cream, grey, green, opaque, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr			Pink, rounded, opaque. Rare.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, translucent, frosted. Rare.
SULPHIDES					
TOURMALINE	Tr	Tr	5%		Black, brown, green, well rounded.
XENOTIME					
ZIRCON					

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332640

ASSESSMENT

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

NEGATIVE

STREAMSED
26.18 kgs
15.4 grams
-1.2+0.25 mm

KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL		Tr	Tr		1 + 0.4mm, 1 + 0.25mm, brown, anhedral, blocky, worn, frosted surface. Not kimb.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE	Tr	Tr	Tr		Blue, golden yellow, translucent, subhedral, blocky, tabular, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	50%	Tr	Tr		Brown, yellow-brown, rounded, black, flaky, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	30%	100%	99%		Silvery-black, sub/anhedral, angular, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE			Tr		Beige, greyish, blocky, worn, dull.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Bright yellow, translucent, anhedral, tabular, near rounded. Rare.
PHOSPHATES	20%	Tr			Pinkish-orange, orange, resinous, opaque, rounded.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Orange-red, subtranslucent, anhedral, blocky, moderately worn.
SPHENE					
SPINEL					
STAUROLITE	Tr				Brown, transparent, anhedral, blocky, worn.
SULPHIDES					
TOURMALINE					
XENOTIME					
ZIRCON		Tr	1%		Colourless, pink, orange, brown, transparent to opaque, 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: S.M. Date: July, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332641

ASSESSMENT

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

NEGATIVE

STREAMSED
25.34 kgs
5.0 grams
-1.2+0.25 mm

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

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

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

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332642

ASSESSMENT

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

NEGATIVE

STREAMSED
17.70 kgs
7.1 grams
-1.2+0.25 mm

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

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Silvery-grey, opaque, sub/anhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE			Tr		Red-black, banded, blocky.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	10%	5%		Brown, red-brown, rounded, angular, earthy.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	70%	65%		Black, tabular, blocky, rounded, grooved.
KYANITE					
LEUCOXENE		20%	25%		Brown, green, beige, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	Tr	Tr		Orange, cream, brown, grey, yellow, sub/anhedral.
PREHNITE					
PYROXENE					
RUTILE			Tr		Orange-red, opaque, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE					
XENOTIME					
ZIRCON		Tr	5%		Brown, colourless, pink, rounded, subhedral.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332643

ASSESSMENT

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

NEGATIVE

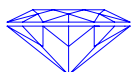
STREAMSED
21.80 kgs
10.2 grams
-1.2+0.25 mm

KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL	Tr	Tr			1 + 0.8mm, 1 + 0.4mm, the + 0.8mm is dull, grey-black, sculptured surfaces, the + 0.4mm is a broken, worn euhedra, dull, worn surfaces. Not kimb.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Pale grey-blue, tabular, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE			Tr		Rare. Reddish-orange, well worn.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	80%	20%		Yellow-brown, pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	20%	80%		Silvery-black, subhedra, moderately worn.
KYANITE					
LEUCOXENE			Tr		After ilmenite, beige to bluish-grey.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE	Tr				1 + 0.8mm, orange, translucent, worn, contains Pb(?).
PHOSPHATES					
PREHNITE					
PYROXENE			Tr		1 + 0.25mm, palest brown, moderately fresh.
RUTILE		Tr			Worn, elongate, dark reddish-brown, translucent.
SPHENE					
SPINEL					
STAUROLITE		Tr			1 + 0.4mm, orange-brown, worn.
SULPHIDES		Tr			1 + 0.4mm, brassy yellow fragment, arsenopyrite.
TOURMALINE	Tr	Tr	Tr		Well rounded, near spherical, black-brown.
XENOTIME	Tr	Tr	Tr		Cream, pinkish, dusky, opaque, well worn.
ZIRCON		Tr	Tr		Near spherical, colourless, rarely pink, worn.

ROCK FRAGMENTS				
COMMENTS:				Observed by: L.F. Date: June, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332644

ASSESSMENT

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

NEGATIVE

STREAMSED
23.60 kgs
88.8 grams
-1.2+0.25 mm

KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL	Tr	Tr			2 + 0.8mm, 5 + 0.4mm, Chromite, black, dull, subhedral, rounded, one cokey surface. Not kimb.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Grey-blue, translucent, subhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE		Tr	Tr		Red/yellow, red, banded, frosted, blocky, singular. Rare.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	40%	15%		Brown, red-brown, rounded, fractured.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	60%	80%		Black, dull, silvery-black, tabular, angular, moderately worn.
KYANITE					
LEUCOXENE		Tr	5%		After ilmenite, brown, green, cream.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Yellow-orange, beige, brown, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE	Tr	Tr	Tr		Black-red, cherry red, subhedral.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Brown, black, green, well rounded.
XENOTIME					
ZIRCON	Tr	Tr	Tr		Colourless, yellow, orange, 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: ¼ split +0.25mm observed + 0.8mm + 0.4mm, fully observed.				Observed J.D. by: July, 1996. Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332645

ASSESSMENT

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

NEGATIVE

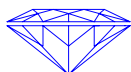
STREAMSED
22.52 kgs
332.8 grams
-1.2+0.25 mm

	%	%	%		
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					
APATITE					
BARITE	Tr	Tr	Tr		White, translucent, opaque, blocky, moderately worn.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	30%	3%		Brown, yellow-brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE		Tr			Reddish-black, specular, anhedral, moderately worn.
ILMENITE	Tr	70%	90%		Silvery-black, sub/anhedral, angular, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE		Tr	7%		Grey, beige, brown, dull to porcelain surfaces, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Yellow, translucent, sub/anhedral, tabular, moderately worn to worn.
PHOSPHATES		Tr	Tr		Orange, orange-brown, opaque, resinous, rounded.
PREHNITE					
PYROXENE		Tr	Tr		Pale greenish-brown, translucent, anhedral, moderately worn laths.
RUTILE	Tr	Tr	Tr		Orange-red, dark cherry red, subtranslucent, blocky, worn.
SPHENE					
SPINEL					
STAUROLITE		Tr			Brown, translucent, anhedral, blocky, moderately worn.
SULPHIDES					
TOURMALINE	Tr	Tr	Tr		Brown-black, anhedral, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, orange, Fe-stained, anhedral, 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: + 0.8mm, ¼ split observed -0.8mm, 0.25mm, Mag separated. M 6/7 +0.25mm, 1/8 split observed. M 6/7 + 0.4mm, + 0.8mm, fully observed. N/M fully observed. M 4/5 + 0.4mm, + 0.25mm, 1/32 split observed.				Observed by: S.M. Date: July, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332646

ASSESSMENT

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

NEGATIVE

STREAMSED
24.64 kgs
100.2 grams
-1.2+0.25 mm

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE		Tr	Tr		Rare. Blue, yellow sub/anhedra, moderately worn.
APATITE					
BARITE		Tr	Tr		1 + 0.4mm, rare + 0.25mm. Colourless, tabular, frosted, etched; also Fe-stained, globular.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	35%	2%		Red-orange, yellow-orange, dull pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	65%	95%		Silvery-black, sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE		Tr	3%		Grey, brown, beige sub/anhedra, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange-brown, yellow-brown, resinous, opaque.
PREHNITE					
PYROXENE			Tr		Rare. Yellow-brown, lath-like, moderately worn.
RUTILE		Tr	Tr		Rare. Cherry red, black, generally rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	Tr		Black-brown, well rounded.
XENOTIME					

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

ZIRCON		Tr	Tr	Orange-brown, colourless, yellow, sub/anhedra, moderately worn.
ROCK FRAGMENTS				
COMMENTS: -1.2mm + 0.4mm, fully observed. -0.4mm + 0.25mm, 1/8 split observed.				Observed by: B.G. Date: July, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332647

ASSESSMENT

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

NEGATIVE

STREAMSED
21.90 kgs
41.5 grams
-1.2+0.25 mm

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Golden yellow, blue-black, ice blue, opaque, subhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	25%	Tr		Brown, red-brown, well rounded, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	40%	40%		Silvery-black, tabular, angular, grooved.
KYANITE	Tr				Colourless, elongate, black inclusions.
LEUCOXENE		35%	50%		After ilmenite, brown, beige, cream, green.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange-brown, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Black, cherry red, subhedral. Rare.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	10%		Black, brown, well rounded.
XENOTIME					

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

ZIRCON			Tr	Colourless, orange, brown, rounded, subhedral.
ROCK FRAGMENTS				
COMMENTS: + 0.8mm, + 0.4mm, fully observed +0.25mm, ½ split observed.				Observed by: J.D. Date: July, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332648

ASSESSMENT

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

NEGATIVE

STREAMSED
19.22 kgs
33.1 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	Tr		Golden yellow, grey-blue subhedra, moderately worn.
APATITE					
BARITE	Tr	Tr	Tr		Creamy, globular, granulated opaques.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	25%	Tr		Yellow-brown, red-brown, dull pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	55%	55%		Silvery-black, sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE		20%	45%		Brown, beige, grey, grey-blue sub/anhedra, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	Tr	Tr		Cream, yellow-brown, orange, creamy-brown, resinous opaques.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Rare. Cherry red, black sub/anhedra, moderately worn to worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME					

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

ZIRCON		Tr	Tr	Colourless, orange, generally well rounded.
ROCK FRAGMENTS				
COMMENTS: -1.2 + 0.4mm, fully observed. -0.4mm + 0.25mm, 2/3 split observed.				Observed by: B.G. Date: July, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332649

ASSESSMENT

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

POSS KIMB

STREAMSED
23.30 kgs
22.5 grams
-1.2+0.20 mm

	%	%	%		
KEY MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		1 + 0.25mm, 4 + 0.20mm, silvery-black, rounded, cokey surface. (1+0.25mm, 3+0.20mm Poss kimb)
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

	%	%	%		
OTHER MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Golden yellow, silvery-grey, blue-grey, opaque, anhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Colourless/blue, transparent, blocky, milky.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	60%	5%		Brown, red-brown, rounded, fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE			Tr		Black, specular, earthy.
ILMENITE	Tr	25%	55%		Black, dull, silvery-black, tabular, rounded, grooved.
KYANITE					
LEUCOXENE		5%	15%		Cream, brown, green, grey, opaque, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange, pink, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Cherry red, opaque, elongate, rounded.
SPHENE					
SPINEL					
STAUROLITE	Tr				Orange-brown, frosted, blocky.
SULPHIDES					
TOURMALINE	Tr	10%	25%		Black, brown, green, 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

XENOTIME				
ZIRCON		Tr	Tr	Brown, colourless, yellow, orange, pink, rounded, subhedral.
ROCK FRAGMENTS				
COMMENTS: The -0.25mm material was TBE separated and observed down to 0.20mm for further chromite. 4 grains recovered were microprobed				Observed by: J.D. Date: July, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332650

ASSESSMENT

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

POSS KIMB

STREAMSED
19.14 kgs
202.2 grams
-1.2+0.25 mm

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL		Tr	Tr		2 + 0.4; 2 + 0.25mm (in a 1/2split of the +0.25mm). One is dull, subhedral, with very fine, cokey surface; another is anhedral, heavily pitted and textured surface; the third is dull, subhedral, well rounded. All are moderately worn to worn. 2 grains poss kimb.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE					
APATITE					
BARITE	Tr	Tr	Tr		Rare. Creamy white, Fe-stained, globular aggregates.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	65%	10%		Yellow-brown, red-brown, dull pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	35%	90%		Silvery-black, sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Grey-blue, beige, cream, porcelain-like sub/anhedra.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Rare. Creamy-brown, resinous, opaques.
PREHNITE					
PYROXENE		Tr	Tr		Yellow-brown, lath-like, moderately worn.
RUTILE		Tr	Tr		Cherry red, orange-brown, black, elongated, moderately worn. Rare Nb rutile.
SPHENE					
SPINEL					

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

STAUROLITE				
SULPHIDES				
TOURMALINE	Tr	Tr	Tr	Black-brown, well rounded.
XENOTIME				
ZIRCON		Tr	Tr	Colourless, orange-brown, well rounded.
ROCK FRAGMENTS				
COMMENTS:	-1.2 + 0.4mm fully observed. -0.4 + 0.25mm, 1/2 split observed.			Observed by: B.G. Date: July, 1996.



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File: 96-058.doc

HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332651

ASSESSMENT

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

NEGATIVE

STREAMSED
24.82 kgs
57.0 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, translucent, anhedral, tabular, moderately worn. Rare.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	48%	7%		Brown, yellow-brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE	Tr	2%	Tr		Reddish-black, specular, anhedral, blocky, moderately worn.
ILMENITE		35%	82%		Silvery-black, sub/anhedral, angular, tabular, blocky, moderately worn.
KYANITE		Tr			Colourless, Fe-stained, transparent, blocky, worn.
LEUCOXENE		15%	8%		Grey, beige, brown, dull to porcelain-like lustre, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Orange, opaque, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE			Tr		Dark cherry red, subtranslucent, anhedral, blocky, rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Brown, transparent, anhedral, blocky, moderately worn.
SULPHIDES					

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

TOURMALINE			3%	Brown-black, black, anhedral, well rounded.
XENOTIME				
ZIRCON				
ROCK FRAGMENTS				
COMMENTS: + 0.8mm, + 0.4mm fully observed. + 0.25mm, ½ split observed.				
			Observed by: Date:	S.M. July, 1996.