



DIATECH
Ph 61 9 361 2596
Fx 61 9 470 1504

File: 97-085.doc

HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334852

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
21.76 kgs
47.43 grams
-2.0+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Brown, subangular, blocky, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE					
KYANITE					
LEUCOXENE		Tr	Tr		Rare, cream, dull, anhedral, blocky, worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Rare, pinkish-orange, opaque, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			Tr		Black, anhedral, rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					
COMMENTS:	Concentrate fully observed.				Observed by: S.M. Date: Dec. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334855

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
21.50 kgs
3.85 grams
-2.0+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	65%	5%		Reddish-brown, dull, blocky, worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			2%		Black, anhedral, blocky, tabular, moderately worn.
KYANITE					
LEUCOXENE		10%	67%		Cream, beige, grey, mostly dull, blocky, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		5%	1%		Pinkish-orange, opaque, sub-resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		20%	25%		Brown, black, anhedral, blocky, worn, rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					
COMMENTS:	Concentrate fully observed.			Observed by: Date:	S.M. Dec. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334856

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
21.30 kgs
16.65 grams
-2.0+0.25 mm

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

% % %

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Powder blue, rounded, opaque.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Brown, red-brown, rounded, blocky, some martite.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, tabular, grooved.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, rounded, opaque.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Orange, rounded, opaque, resinous.
PREHNITE					
PYROXENE					
RUTILE			Tr		Red-brown, tabular, opaque.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Brown, black, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, rounded, subhedral.
ROCK FRAGMENTS					

COMMENTS: Concentrate fully observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334857

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
22.08 kgs
146.04 grams
-2.0+0.25 mm

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

% % %

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Blue-grey, golden yellow, sub/anhedral, subtranslucent.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Brown, red-brown, rounded, blocky.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			Tr		Silvery-black, subangular.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			Tr		Brown, black, well rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					

COMMENTS: Concentrate fully observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334858

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
18.48 kgs
55.15 grams
-2.0+0.25 mm

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

% % %

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Golden yellow, tabular, translucent.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	78%		Brown, red-brown, rounded, blocky.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	5%		Silvery-black, tabular, subangular, blocky, grooved.
KYANITE					
LEUCOXENE		Tr	2%		Brown, beige, rounded, angular.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Orange-brown, rounded, opaque, resinous.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	15%		Brown, blue, black, orange, well rounded, subhedral.
XENOTIME					
ZIRCON			Tr		Colourless, honey brown, subhedral, rounded.
ROCK FRAGMENTS					

COMMENTS: Concentrate fully observed.

Observed J.D.
by: Jan. 1998.
Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334859

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
19.40 kgs
1246.89 grams
-2.0+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
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Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a 1/2 split) is 2 grains in a 1/2 split of the +0.25mm fraction

AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Red-brown, orange-brown, dull, rounded, includes some martite.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE					
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Very rare. Cream, resinous, opaque.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE					
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					

COMMENTS:
-2.0+0.8 fully obs.
-0.8+0.4 1/8 obs.
-0.4+0.25 1/32 obs.

Observed
by:
Date:
B.G.
Jan. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334860

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
24.42 kgs
3.56 grams
-2.0+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	97%	33%		Reddish-brown, dull, anhedral, flakes and blocky, worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE					
KYANITE					
LEUCOXENE		Tr	15%		Brown, subporcelain-like surfaces, anhedral, blocky, worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	2%		Brownish-orange, sub-resinous, opaque, anhedral, rounded.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		3%	50%		Brown, black, anhedral, blocky, worn, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, transparent, anhedral, blocky, worn.
ROCK FRAGMENTS					
COMMENTS: Concentrate fully observed.					Observed by: S.M. Date: Jan. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334861

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
23.90 kgs
34.41 grams
-2.0+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE			Tr		1+0.25, dark green, translucent, moderately worn.
ANATASE			Tr		Very rare, 1+0.25, blue, subhedral, rounded.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	85%		Red-brown, yellow-brown, cream, coated, dull to earthy, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE		Tr	15%		Cream, beige, grey, generally dull, well rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Pale orange, cream, near spherical grains, opaque.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Very rare. Silvery-black, well rounded anhedra.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, near spherical grains.
XENOTIME					
ZIRCON			Tr		Beige, orange, yellow, colourless, eu/anhedra, moderately worn to worn.
ROCK FRAGMENTS					

COMMENTS: Concentrate fully observed.

Observed by: B.G.
Date: Jan. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334862

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
22.76 kgs
480.36 grams
-2.0+0.25 mm

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE		Tr	Tr		Grey-green, cream, rounded, opaque.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	95%		Brown, red-brown, rounded, blocky, dull, some martite, red-black octahedra.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	5%		Silvery-black, tabular, subangular, grooved, frosted.
KYANITE					
LEUCOXENE		Tr	Tr		Brown, angular, grey, rounded, opaque.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Pale orange-brown, rounded, opaque, resinous.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black, brown, well rounded,
XENOTIME					
ZIRCON			Tr		Colourless, honey brown, rounded, rare subhedral.
ROCK FRAGMENTS					
COMMENTS: -2.0+0.4 fully obs. -0.4+0.25 ½ split obs.					Observed by: J.D. Date: Jan. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334863

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
21.26 kgs
18.16 grams
-2.0+0.25 mm

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

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	BRIEF DESCRIPTION
AMPHIBOLE				
ANATASE			Tr	Pale blue, subtranslucent, anhedral, blocky, worn.
APATITE				
BARITE				
CALCITE				
CASSITERITE				
CORUNDUM				
EPIDOTE			Tr	Pistachio green, translucent, anhedral, blocky, moderately worn.
FE OXIDE/HYDROXIDE	100%	100%	72%	Reddish-brown, dull, blocky, subangular, moderately worn.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE		Tr	Tr	Black, anhedral, blocky, moderately worn.
KYANITE				
LEUCOXENE		Tr	5%	Brown, cream, dull, anhedral, blocky, subangular, moderately worn.
MAGNETITE			20%	Altered to martite, brown, black, sub/anhedral, blocky, moderately worn.
MICA				
MN OXIDE				
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE				
SPHENE				
SPINEL				
STAUROLITE			Tr	Brown, transparent, anhedral, blocky, worn.
SULPHIDES				
TOURMALINE			3%	Brown, black, anhedral, blocky, worn, rounded.
XENOTIME				
ZIRCON		Tr	Tr	Colourless, orange, sub/anhedral, prismatic, moderately worn, rounded, worn.
ROCK FRAGMENTS				

COMMENTS: Concentrate fully observed.

Observed by: S.M.
Date: Jan. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334864

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
23.32 kgs
23.89 grams
-2.0+0.25 mm

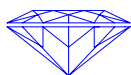
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Very rare. Pale blue, pale yellow, sub/anhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	65%		Orange-brown, yellow-brown, dull, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	3%		Silvery-black, sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE		Tr	32%		Beige, brown, grey, tan, some polished, after ilmenite, generally well rounded, dull.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Orange, red-brown, sub-resinous, well rounded opaques.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Silvery-black, cherry red, well rounded anhedra.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, rarely coloured, near spherical grains.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, orange, palest pink, yellow, moderately fresh eu/subhedra to well rounded anhedra.
ROCK FRAGMENTS					

COMMENTS: Concentrate fully observed.

Observed by: B.G.
Date: Jan. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334865

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
24.76 kgs
9.87 grams
-2.0+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Powder blue, rounded, opaque.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	99%	75%		Brown, red-brown, rounded, blocky, dull.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			5%		Silvery-black, subangular, tabular.
KYANITE					
LEUCOXENE			Tr		Cream, angular, opaque.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Pale honey brown, pale orange, rounded, resinous.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		1%	20%		Black, brown, well rounded.
XENOTIME					
ZIRCON			Tr		Honey yellow, pale pink, colourless, rounded, subhedral.
ROCK FRAGMENTS					

COMMENTS: Concentrate fully observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334866

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
18.82 kgs
6.10 grams
-2.0+0.25 mm

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

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Pale blue, grey-blue, sub/anedral, translucent to semi-opaque, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	98%	70%		Yellow-brown, red-brown, dull, also creamy coated, earthy, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, sub/anedral, moderately worn.
KYANITE					
LEUCOXENE		Tr	15%		Beige, cream, brown, tan, grey, generally dull, well rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Cream, pale orange, pale brown, well rounded opaques.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Very rare. Reddish-orange, silvery-black, anhedral, well rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		2%	15%		Black-brown, near spherical grains.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, orange-brown, palest pink, sub/anedral, generally well rounded.
ROCK FRAGMENTS					

COMMENTS: Concentrate fully observed.

Observed by: B.G.
Date: Jan. 1998



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334867

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
23.72 kgs
151.48 grams
-2.0+0.25 mm

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

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr			Very rare. Beige-yellow, subhedral, rounded.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Red-brown, brown, orange-brown, yellow-brown, dull, also some martite.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, sub/anhedral, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Very rare. Grey, beige, dull.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Very rare. Orange, sub-resinous, opaque, well rounded.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Very rare. Reddish-black, well rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, rarely coloured, near spherical grains.
XENOTIME					
ZIRCON			Tr		Very rare. Colourless, sub/anhedral, moderately worn to worn.
ROCK FRAGMENTS					

COMMENTS: Concentrate fully observed.

Observed by: B.G.
Date: Jan. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334868

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
20.74 kgs
94.15 grams
-2.0+0.25 mm

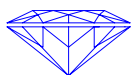
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Blue-grey, golden yellow, pale blue, blocky, subhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Blue/colourless, subhedral. Rare.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	85%		Brown, red-brown, rounded, blocky.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	5%		Silvery-black, tabular, subangular, grooved.
KYANITE					
LEUCOXENE		Tr	5%		Brown, beige, grey, subangular.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Pale orange-brown, rounded, opaque, resinous.
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, rounded. Rare.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	5%		Brown, black, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, pale pink, orange, rounded, subhedral.
ROCK FRAGMENTS					

COMMENTS: Concentrate fully observed.

Observed by: J.D.
Date: Jan. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334869

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
19.56 kgs
136.20 grams
-2.0+0.25 mm

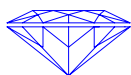
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Golden yellow, ice blue, rounded, tabular, translucent to opaque.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	85%		Brown, red-brown, dull, rounded, blocky.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			Tr		Silvery-black, tabular, subangular, grooved.
KYANITE					
LEUCOXENE			Tr		Beige, cream, rounded, angular.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr		Tr		Orange-brown, opaque, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	15%		Black, brown, orange, well rounded.
XENOTIME					
ZIRCON			Tr		Pale yellow, colourless, honey brown, rounded, subhedral.
ROCK FRAGMENTS					

COMMENTS: Concentrate fully observed.

Observed by: J.D.
Date: Jan. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334870

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
19.42 kgs
90.65 grams
-2.0+0.25 mm

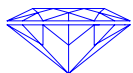
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Pale yellow, blue, transparent, subhedral, slightly worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	90%		Brown, anhedral, subangular, blocky, worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	1%		Black, subangular, blocky, moderately worn.
KYANITE					
LEUCOXENE		Tr	3%		Cream, beige, grey, dull to subporcelain-like surfaces, blocky, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	6%		Brown-black, blocky, rounded, worn.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, pink, some Fe-stained, sub/anhedral, moderately worn to rounded.
ROCK FRAGMENTS					

COMMENTS: Concentrate fully observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334871

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
23.06 kgs
8.38 grams
-2.0+0.25 mm

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

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Grey-blue, silvery-grey, blocky, subangular.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Colourless, blue tint, tabular. Rare.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	90%		Brown, red-brown, rounded, blocky, dull.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			Tr		Silvery-black, tabular, subangular.
KYANITE					
LEUCOXENE			Tr		Cream, beige, rounded, opaque.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	10%		Black, brown, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, pale orange, rounded, subhedral.
ROCK FRAGMENTS					

COMMENTS: Concentrate fully observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334872

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
17.18 kgs
76.96 grams
-2.0+0.25 mm

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

% % %

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Pale blue, translucent, sub/anhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	96%		Reddish-brown, yellow-brown, dull, anhedral, worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE			Tr		Grey-black, anhedral, subangular, moderately worn.
ILMENITE			Tr		Black, anhedral, subangular, moderately worn.
KYANITE					
LEUCOXENE			Tr		Cream, brown, dull, anhedral, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Rare, orange, opaque, sub-resinous, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	4%		Brown, black, anhedral, blocky, worn, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, transparent, subhedral, blocky, moderately worn.
ROCK FRAGMENTS					

COMMENTS: Concentrate fully observed.

Observed by: S.M.
Date: Jan. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334873

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
21.20 kgs
69.27 grams
-2.0+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Blue, translucent, subhedral, tabular, slightly worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	20%		Yellow, reddish-brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	5%		Black, anhedral, subangular, tabular, moderately worn.
KYANITE					
LEUCOXENE		Tr	70%		Cream, brown, dull to subporcelain-like surface, rounded, subangular.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare, cherry red, translucent, anhedral, blocky, worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	5%		Brown, black, anhedral, blocky, worn, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, some Fe-staining, anhedral, rounded.
ROCK FRAGMENTS					

COMMENTS: Concentrate fully observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334874

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
23.74 kgs
324.31 grams
-2.0+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Very rare, grey-blue, anhedral, moderately worn
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	98%		Yellow-brown, orange-brown, red-brown, dull, rounded
GARNET					
GOLD					
GORCEIXITE		Tr	Tr		Very rare, red-orange, blocky, subtranslucent, resinous
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, sub/anhedral, moderately worn
KYANITE					
LEUCOXENE		Tr	Tr		Tan, beige, brown, after ilmenite, some dull, well rounded
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE	Tr	Tr	Tr		Orange-brown, brown, blocky, opaque, some well rounded
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Very rare, cherry-red, grey-black, anhedral, well rounded
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	2%		Black-brown, near spherical grains
XENOTIME					
ZIRCON			Tr		Orange, colourless, well rounded
Green mineral	Tr	Tr	Tr		Pale grey-green, micaceous, Si/K/Fe
ROCK FRAGMENTS					
COMMENTS: Concentrate fully observed.					Observed by: BG Date: Jan 98



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334875

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
18.12 kgs
210.92 grams
-2.0+0.25 mm

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

% % %

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Very rare. Pale blue, translucent, anhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Red-brown, brown, yellow-brown, dull, rounded, includes pseudomorphic grains.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			Tr		Rare. Silvery-black, anhedral, moderately worn.
KYANITE					
LEUCOXENE			Tr		Rare. Brown, grey, dull, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Orange-brown, orange, sub-resinous, near spherical grains.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, near spherical grains.
XENOTIME					
ZIRCON			Tr		Very rare. Orange-brown, colourless, well rounded.
ROCK FRAGMENTS					

COMMENTS: Concentrate fully observed.

Observed by: B.G.
Date: Jan. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334876

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
25.38 kgs
228.86 grams
-2.0+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Beige, blue-grey, sub/anhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	95%		Yellow-brown, red-brown, brown, dull, rounded
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Rare. Silvery-black, dull, anhedral, moderately worn.
KYANITE					
LEUCOXENE			Tr		Blue-grey, brown, beige, dull to more polished.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Orange, milky orange, sub-resinous opaques.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Very rare. Cherry red, silvery-black, well rounded anhedral.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	5%		Black-brown, rarely coloured, near spherical grains.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					
COMMENTS:	Concentrate fully observed.			Observed by: Date:	B.G. Dec. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334878

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
19.96 kgs
360.27 grams
-2.0+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Beige, blue, anhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Red-brown, brown, rounded, dull to more polished.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE					
KYANITE					
LEUCOXENE			Tr		Beige, grey-green, generally dull.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Very rare. Red-orange, anhedral, moderately worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, near spherical grains.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					
COMMENTS:	Concentrate fully observed.			Observed by: Date:	B.G. Dec. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334879

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
15.44 kgs
614.58 grams
-2.0+0.25 mm

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

% % %

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Red-brown, orange-brown, brown, dull, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			Tr		Very rare. Silvery-black, anhedral, moderately worn.
KYANITE					
LEUCOXENE			Tr		Rare. Beige, subporcelain-like surfaces.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, near spherical grains.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					

COMMENTS: -2.0+0.4 fully obs.
-0.4+0.25 ¼ obs.

Observed B.G.
by: Jan. 1998.
Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334880

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
21.38 kgs
74.96 grams
-2.0+0.25 mm

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

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	BRIEF DESCRIPTION
AMPHIBOLE				
ANATASE			Tr	Very rare. Blue-grey, anhedral, moderately worn.
APATITE				
BARITE				
CALCITE				
CASSITERITE				
CORUNDUM				
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	100%	85%	Orange-brown, red-brown, yellow-brown, dull, rounded.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE		Tr	Tr	Silvery-black, sub/anhedral, moderately worn.
KYANITE			Tr	Very rare. Colourless, Fe-stained, bladed.
LEUCOXENE		Tr		Beige, grey, dull.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE		Tr	Tr	Very rare. Creamy pink, beige-brown, sub-resinous, well rounded.
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE				
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE		Tr	15%	Black-brown, rarely colourless, near spherical grains.
XENOTIME				
ZIRCON			Tr	Very rare. Orange-red, colourless, eu/anhedral, moderately worn.
ROCK FRAGMENTS				

COMMENTS: Concentrate fully observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334881

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
23.70 kgs
436.57 grams
-2.0+0.25 mm

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

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Pale blue, beige-blue, beige, anhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	98%		Orange-brown, yellow-brown, red-brown, dull, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, sub/anhedral, moderately worn.
KYANITE					
LEUCOXENE	Tr	Tr	Tr		Grey-green, beige, grey, dull.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Very rare. Orange, sub-resinous, well rounded.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	2%		Black-brown, near spherical grains.
XENOTIME					
ZIRCON			Tr		Rare. Colourless, orange, sub/anhedral, moderately worn, some well rounded.
ROCK FRAGMENTS					

COMMENTS: Concentrate fully observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334882

ASSESSMENT

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

POSS KIMB

STREAM SEDIMENT
26.12 kgs
36.08 grams
-2.0+0.20 mm

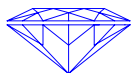
KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.20		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL		Tr			2+0.4, one grain is anhedral, slightly brownish, very finely cokey with a semi-circular pit, the other grain is a broken euhedra, chipped and worn, smooth, frosted edges. ((1+0.4mm poss kimb (the second description))
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	+0.20		
AMPHIBOLE					
ANATASE			Tr		Silver-grey, blue-grey, subtranslucent, tabular
APATITE					
BARITE					
CALCITE					
CASSITERITE			Tr		Yellow, rounded, frosted, black bands through the grains
CORUNDUM			Tr		Blue, colourless, tabular
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	94%	45%		Brown, red-brown, rounded, blocky
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		1%	15%		Silvery-black, rounded, subangular
KYANITE			Tr		Pale blue, tabular
LEUCOXENE			5%		Cream, beige, angular, opaque
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Cream, orange-brown, opaque, rounded, resinous
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry-red, silvery sheen
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, angular
SULPHIDES					
TOURMALINE	Tr	5%	35%		Black, brown, well rounded, subhedral
XENOTIME					
ZIRCON		Tr	Tr		Honey-brown, colourless, rounded, subhedral
ROCK FRAGMENTS					

COMMENTS: Concentrate fully observed.

Observed JD
by: Dec 97
Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334883

ASSESSMENT

Type of sample

Head Weight

Conc Weight -1.2+0.25mm

Size fractions observed

NEGATIVE

STREAM SEDIMENT

20.00

kgs

205.15

grams

-2.0+0.25

mm

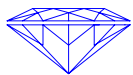
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Rare, grey-blue, moderately worn to worn subhedra
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		1+0.25, bright orange-red, transparent, well worn
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	95%		Red-brown, mustard yellow, earthy dull fragments, larger grains are pisolitic
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			Tr		Dull silvery-black, worn subhedra
KYANITE					
LEUCOXENE			Tr		Beige, grey-green, cream, worn, porcelain-like
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	5%		Well rounded black-brown grains, frosted to smooth
XENOTIME					
ZIRCON			Tr		Colourless, Fe stained, vitreous, worn broken euhedra
ROCK FRAGMENTS					

COMMENTS: Concentrate fully observed.

Observed
by:
Date:

LF
Dec 97



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334884

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
19.42 kgs
449.65 grams
-2.0+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Yellow-brown, orange-brown, red-brown, dull, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			Tr		Silvery-black, sub/anedral, moderately worn.
KYANITE					
LEUCOXENE			Tr		Grey-green, beige, brown, subporcelain-like surface.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Very rare. Silvery-black, well rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			Tr		Black-brown, near spherical grains.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					

COMMENTS: Concentrate fully observed.

Observed by: B.G.
Date: Jan. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334885

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
20.52 kgs
357.93 grams
-2.0+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM		Tr	Tr		Very rare, blue, colourless, small black inclusions
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Red-brown, yellow-brown, brown, dull to more polished, rounded
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			Tr		Rare, silvery-black, anhedral, moderately worn
KYANITE					
LEUCOXENE			Tr		Beige, grey-green, polished
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Orange-brown, well rounded, resinous, opaque
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Very rare, cherry-red, anhedral, rounded
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, near spherical grains
XENOTIME					
ZIRCON			Tr		Rare, colourless, 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: Concentrate fully observed.

Observed by: BG
Date: Jan 98



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334886

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
18.94 kgs
390.54 grams
-2.0+0.25 mm

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

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Very rare. Grey-blue, anhedral, opaque.
APATITE					
BARITE	Tr	Tr	1%		Colourless, transparent to translucent, tabular, blocky, etched.
CALCITE					
CASSITERITE					
CORUNDUM			Tr		1+0.25, palest blue, anhedral, small black inclusions.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	99%		Yellow-brown, red-brown, brown, dull, subangular to rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, sub/anhedral, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Brown, beige, cream, grey-green, polished.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Very rare. Reddish-brown, pale orange, sub-resinous, well rounded opaques.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Silvery-black, orange-red, cherry red, anhedral, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, rarely coloured, near spherical grains.
XENOTIME					
ZIRCON			Tr		Rare. Colourless, sub/anhedral, moderately to well worn.
ROCK FRAGMENTS					

COMMENTS: Concentrate fully observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334887

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
22.50 kgs
221.39 grams
-2.0+0.25 mm

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

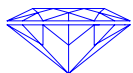
OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
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Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Blue, colourless/blue, transparent, small black inclusions, anhedral, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	88%		Brown, red-brown, yellow-brown, dull to more polished, rounded, includes rusty flakes.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Rare. Silvery-black, anhedral, moderately worn.
KYANITE			Tr		Very rare. Colourless, bladed, moderately worn.
LEUCOXENE			Tr		Beige, blue-grey, dull to polished.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Very rare. Creamy-brown, sub-resinous, near spherical, opaque.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Very rare. Cherry red, orange-brown, anhedral, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	10%		Black-brown, rarely coloured, near spherical grains.
XENOTIME					
ZIRCON		Tr	2%		Colourless, anhedral, well rounded.
ROCK FRAGMENTS					

COMMENTS: Concentrate fully observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334888

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
21.26 kgs
207.84 grams
-2.0+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	98%		Yellow-brown, red-brown, dull, subangular, to rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	2%		Silvery-black, sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE			Tr		Beige, grey-green, dull to more polished.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, near spherical grains.
XENOTIME					
ZIRCON			Tr		Orange, colourless, sub/anhedral, rounded.
ROCK FRAGMENTS					

COMMENTS: Concentrate fully observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334889

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
23.22 kgs
373.94 grams
-2.0+0.25 mm

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

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Blue-grey, subtranslucent, rounded. Rare.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Pale blue, tabular. Rare.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	30%	25%		Brown, red-brown, well rounded, blocky.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	70%	60%		Silvery-black, blocky, subangular.
KYANITE			Tr		Colourless, elongate, included. Rare.
LEUCOXENE	Tr	Tr	3%		Cream, grey, brown, subangular, opaque.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Pale orange, cream, well rounded, opaque, resinous.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Cherry red, black, elongate, surface striate.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	2%		Black-brown, brown, well rounded.
XENOTIME					
ZIRCON		Tr	10%		Colourless, pale pink, honey brown, brown, well rounded, subhedral, frosted.
ROCK FRAGMENTS					

COMMENTS: -2.0+0.8 fully obs.
-0.8+0.25 concentrate magnetically separated.
N/M -0.8+0.25 fully obs.
M6/7 -0.8+0.25 fully obs.
M4/5 -0.8+0.4 ¼ obs, -0.4+0.25 1/16 obs.
M1/2/3 scalp not observed.

Observed by: J.D.
Date: Jan. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334890

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
24.90 kgs
220.97 grams
-2.0+0.25 mm

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

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	55%		Reddish-brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	30%		Silvery-black, sub/anhedral, blocky, worn.
KYANITE					
LEUCOXENE		5%	15%		Creamy, brown, blocky, moderately worn, worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange, yellow, opaque, sub-resinous, anhedral, blocky, worn.
PREHNITE					
PYROXENE					
RUTILE			Tr		Red, translucent, anhedral, blocky, worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, reddish-orange, anhedral, rounded, translucent, transparent.
ROCK FRAGMENTS					

COMMENTS: -2.0+0.4 fully obs.
-0.4+0.25 ½ obs.

Observed by: S.M.
Date: Jan. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334891

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
17.48 kgs
93.75 grams
-2.0+0.25 mm

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

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Pale beige-yellow, transparent to translucent, moderately fresh to moderately worn, subhedra, some finely striate.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	88%		Pisolitic, yellow-brown, smooth, rounded, dull.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	12%		Silvery-black, platy, subhedral, moderately worn.
KYANITE					
LEUCOXENE			Tr		Dull, beige, well worn, some are polished.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr			1+0.4, cherry red, tabular, finely striate, moderately worn.
SPHENE					
SPINEL					
STAUROLITE		Tr			1+0.4, irregular, tabular fragment, brown, moderately worn.
SULPHIDES					
TOURMALINE			Tr		Rare, near spherical to ovate, black-brown grains.
XENOTIME					
ZIRCON			Tr		Rare, colourless, dull, frosted, worn, translucent.
ROCK FRAGMENTS					

COMMENTS: Concentrate fully observed.

Observed by: L.F.
Date: Dec. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334892

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
18.34 kgs
130.79 grams
-2.0+0.25 mm

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

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Golden yellow.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	50%	40%		Brown, red-brown, dull, rounded, blocky.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	20%	30%		Silvery-black, blocky, grooved, tabular.
KYANITE					
LEUCOXENE		30%	25%		Brown, beige, grey, subangular, opaque.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Black, cherry red, subhedral, surface striate.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	5%		Brown, black, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Honey brown, colourless, pale yellow.
ROCK FRAGMENTS					

COMMENTS: -2.0+0.8 fully obs.
-0.8+0.25 concentrate magnetically separated.
N/M -0.8+0.25 fully obs.
M6/7 -0.8+0.25 fully obs.
M4/5 -0.8+0.25 fully obs.
M1/2/3 scalp not observed.

Observed J.D.
by: Jan. 1998.
Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334893

ASSESSMENT

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

POSS KIMB

STREAM SEDIMENT
27.98 kgs
27.99 grams
-2.0+0.20 mm

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.20		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL		Tr	Tr		1+0.4, 5+0.25, 5+0.20, well rounded, near spherical, soft, smooth to finely cokey sheen, two of the smaller grains are well rounded octahedra. (2+0.25, 1+0.20 poss kimb)
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.20		
AMPHIBOLE					
ANATASE			Tr		Pale grey-blue, worn, translucent.
APATITE					
BARITE			Tr		Colourless, blocky, moderately worn.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	75%	13%		Dull, yellow-brown.
GARNET					
GOLD		Tr			1+0.4, smooth, flattened, folded.
GORCEIXITE					
HAEMATITE		Tr	Tr		Rare, flaky, reddish tints.
ILMENITE	Tr	25%	40%		Dull silvery-black, moderately worn subhedra, some partly leucoxenised.
KYANITE					
LEUCOXENE		Tr	30%		After ilmenite, beige/tan, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Pale cream/orange/red, resinous, well rounded, opaque.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Dark cherry red to silvery-black, well worn, rounded, some Nb-rutile.
SPHENE					
SPINEL					
STAUROLITE	Tr				1+0.8, worn, orange-brown.
SULPHIDES					
TOURMALINE		Tr	15%		Black-brown, well rounded, translucent, smooth to frosted.
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	2%	Colourless, pale orange, reddish-brown, well worn, elongate to ovate/spherical, smooth to frosted.
COMMENTS: Concentrate fully observed.				Observed by: L.F. Date: Dec. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334894

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
19.16 kgs
3.57 grams
-2.0+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	25%		Pisolitic, yellow-brown, red-brown, dull, smooth, many studded with fine quartz.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	55%		Bright silvery-black, moderately worn subhedra.
KYANITE					
LEUCOXENE		Tr	20%		Beige, often smooth, polished.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			1%		Near spherical, black-brown, smooth to frosted.
XENOTIME					
ZIRCON			Tr		Colourless, orange, Fe-stained, near spherical, smooth to frosted.

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: Concentrate fully observed.				Observed by: L.F. Date: Dec. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334895

ASSESSMENT

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

NEGATIVE

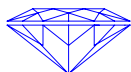
STREAM SEDIMENT
27.02 kgs
224.95 grams
-2.0+0.25 mm

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Pale blue, yellow, grey-blue, sub/anedral, moderately worn.
APATITE					
BARITE	Tr	Tr	Tr		Colourless to white, blocky, etched, frosted, translucent, moderately worn.
CALCITE					
CASSITERITE		Tr			1+0.4, red, anhedral, subtranslucent, rounded.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	40%	15%		Yellow-brown, red-brown, dull, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	60%	85%		Silvery-black, sub/anedral, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Grey-green, grey-blue, brown, beige, after ilmenite, polished.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange-brown, pale orange, yellow-brown, cream, resinous, rounded opaques.
PREHNITE					
PYROXENE			Tr		Very rare. Palest grey-brown, transparent to translucent, moderately worn.
RUTILE		Tr	Tr		Very rare. Cherry red, red-orange, silvery-black, prismatic, sub/anedral, rounded.
SPHENE					
SPINEL					
STAUROLITE					
TOURMALINE		Tr	Tr		Black-brown, near spherical grains.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, orange-brown, yellow-orange, palest pink, generally well rounded anheda.

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:	-2.0+0.8 fully obs. -0.8+0.25 concentrate magnetically separated. NM -0.8+0.25 fully obs. M6/7 -0.8+0.25 fully obs. M4/5 -0.8+0.4 fully obs, -0.4+0.25 1/8 obs. M1/2/3 scalp not observed.	Observed by: Date:	B.G. Jan. 1998.
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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334896

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
21.44 kgs
213.88 grams
-2.0+0.25 mm

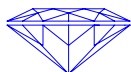
KEY MINERALS	% +0.8	% +0.4	% +0.25	BRIEF DESCRIPTION
DIAMOND				
PYROPE				
CHROMITE/CR SPINEL				
CHROME DIOPSIDE				
PICROILMENITE				
PHLOGOPITE				
OTHER				

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	BRIEF DESCRIPTION
AMPHIBOLE				
ANATASE		Tr	Tr	Yellow, blue, translucent, subhedral, blocky, moderately worn.
APATITE				
BARITE				
CALCITE				
CASSITERITE				
CORUNDUM				
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	93%	5%	Reddish-brown, dull, anhedral, blocky, rounded.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE		1%	10%	Black, sub/anhedral, blocky, moderately worn.
KYANITE				
LEUCOXENE		6%	81%	Cream, brown, subporcelain-like surface, blocky, moderately worn.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE				
PHOSPHATES			Tr	Orange, opaque, sub-resinous, anhedral, worn.
PREHNITE				
PYROXENE				
RUTILE		Tr	Tr	Reddish-black, orange-red, subtranslucent, anhedral, blocky, worn.
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE		Tr	4%	Brown-black, anhedral, rounded.
XENOTIME				
ZIRCON		Tr	Tr	Colourless, transparent, anhedral, rounded.
ROCK FRAGMENTS				

COMMENTS: -2.0+0.8 fully obs.
-0.8+0.25 concentrate magnetically separated
NM -0.8+0.25 fully obs.
M6/7 -0.8+0.25 fully obs.
M4/5 -0.8+0.25 fully obs.
M1/2/3 scalp not observed

Observed S.M.
by: Jan. 1998.
Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334897

ASSESSMENT

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

POSS KIMB

STREAM SEDIMENT
21.20 kgs
12.83 grams
-2.0+0.20 mm

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.20		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		2+0.25, 2+0.20, well rounded, near spherical, soft cokey sheen, slightly brownish. (1+0.25 poss kimb)
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.20		
AMPHIBOLE					
ANATASE			Tr		Rare, blue-grey, well worn subhedra.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	90%				Dull, orange-brown, earthy.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	5%	15%	10%		Bright, silvery-black subhedra, many partly leucoxenised.
KYANITE					
LEUCOXENE	5%	85%	85%		Beige, cream, tan, blue-grey, porcelain-like, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, silvery-black, well worn, strong semi-metallic lustre.
SPHENE					
SPINEL					
STAUROLITE	Tr				
SULPHIDES					
TOURMALINE		Tr	5%		Near spherical black-brown grains, smooth to frosted.
XENOTIME					
ZIRCON			Tr		Colourless, orange, Fe-stained, ovate to near spherical, smooth to frosted.

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: Concentrate fully observed.				Observed by: L.F. Date: Dec. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334898

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
24.26 kgs
40.68 grams
-2.0+0.20 mm

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.20		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		35+0.25, approx 70+0.20, well rounded, near spherical, many well rounded octahedra, soft, smooth to finely cokey sheen.
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		Pale grey-blue, well worn anhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE		Tr	Tr		Well worn, bright red-orange.
CORUNDUM			Tr		Pale lilac blue, worn, platy, hexagonal sections, also worn fragments.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	70%	15%		Dull, earthy, yellow-brown, red-brown, pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	20%	40%		Dull to bright silvery-black grains, moderately worn.
KYANITE					
LEUCOXENE	Tr	Tr	15%		Beige, tan, grey, blocky, after ilmenite, worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Orange, orange-red, near spherical, resinous, opaque.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Cherry red, silvery-black, well worn, blocky to elongate, strong, semi-metallic lustre.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	10%	25%		Well rounded, near spherical, black-brown grains, smooth to frosted.
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	5%	Colourless, yellow, orange, red-orange, rarely pink, well worn, vitreous an/euhedra.
ROCK FRAGMENTS				
COMMENTS: Concentrate fully observed.				Observed by: L.F. Date: Dec. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334899

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
20.86 kgs
47.76 grams
-2.0+0.20 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	98%	60%		Brown, red-brown, rounded, angular, dull.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	10%		Silvery-black, tabular, subangular, grooved.
KYANITE					
LEUCOXENE			Tr		Beige, grey, cream, angular, opaque.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, elongate, silvery sheen.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		2%	30%		Black-brown, orange, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, yellow, honey brown, rounded, rare 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: Concentrate fully observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334900

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
20.72 kgs
21.56 grams
-2.0+0.20 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Golden yellow, tabular, subtranslucent.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	70%		Brown, red-brown, rounded, dull, earthy.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, tabular, grooved, subangular.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, brown, cream, opaque, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Cherry red, orange-red, rounded, silvery sheen.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		5%	30%		Brown, black, blue, well rounded, rare subhedra.
XENOTIME					
ZIRCON			Tr		Honey brown, colourless, 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: Concentrate fully observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334901

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
24.74 kgs
13.31 grams
-2.0+0.20 mm

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

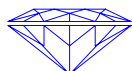
OTHER MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	97%	81%		Yellow, reddish-brown, dull, subangular, blocky, worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		1%	1%		Black, subangular, blocky, rounded, some leucoxene coating.
KYANITE					
LEUCOXENE		Tr	5%		Creamy, beige, greyish, dull to porcelain-like surfaces, blocky, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Orange-red, subtranslucent, anhedral, blocky, worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		2%	12%		Brown, black, anhedral, blocky, worn, rounded.
XENOTIME					
ZIRCON			1%		Colourless, Fe-stained, sub/anhedral, blocky, rounded, 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: Concentrate fully observed.

Observed
by:
Date:

S.M.
Dec. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334902

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
18.22 kgs
8.17 grams
-2.0+0.20 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	85%	45%		Brown, red-brown, mustard, dull, rounded, blocky.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	5%		Silvery-black, tabular, grooved.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, cream, blocky, subangular, opaque.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Red-black, elongate, rounded, silvery sheen, some surface striate.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		15%	50%		Black, brown, blue, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, some Fe-stained, 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: Concentrate fully observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334903

ASSESSMENT

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

POSITIVE

STREAM SEDIMENT
26.74 kgs
5.17 grams
-2.0+0.20 mm

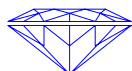
KEY MINERALS	% +0.8	% +0.4	% +0.20	BRIEF DESCRIPTION
DIAMOND			Tr	1+0.25, colourless, cubo octahedral, etched/striated.
PYROPE				
CHROMITE/CR SPINEL				
CHROME DIOPSIDE				
PICROILMENITE				
PHLOGOPITE				
OTHER				

OTHER MINERALS	% +0.8	% +0.4	% +0.20	BRIEF DESCRIPTION
AMPHIBOLE				
ANATASE			Tr	Blue-grey, silver-grey, opaque, rounded, tabular.
APATITE				
BARITE				
CALCITE				
CASSITERITE				
CORUNDUM			Tr	Colourless, included, slight blue tint, tabular.
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	85%	30%	Brown, red-brown, rounded, blocky.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE		5%	5%	Silvery-black, tabular, subangular, grooved.
KYANITE				
LEUCOXENE				
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE				
PHOSPHATES		Tr	Tr	Pale orange, honey brown, opaque, well rounded, resinous lustre.
PREHNITE				
PYROXENE				
RUTILE			Tr	Black, elongate, silvery sheen.
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE	Tr	10%	65%	Black, brown, green, well rounded, rare subhedral.
XENOTIME				
ZIRCON		Tr	Tr	Honey brown, colourless, pale yellow, rounded, subhedral, 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: Concentrate fully observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334905

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
18.48 kgs
107.43 grams
-2.0+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	86%		Orange-Brown, yellow, dull, subangular, blocky.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	2%		Black, anhedral, subangular, blocky, moderately worn.
KYANITE					
LEUCOXENE			2%		Cream, beige, brown, dull to subporcelain-like surfaces, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare, orange-red, subtranslucent, anhedral, blocky, worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	10%		Brown-black, anhedral, blocky, rounded, worn.
XENOTIME					
ZIRCON			Tr		Colourless, 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: Concentrate fully observed.

Observed
by:
Date:

S.M.
Dec. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334906

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
17.94 kgs
5.60 grams
-2.0+0.25 mm

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

	%	%	%	Note: The number of key minerals is the absolute number in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction	
OTHER MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr	1+0.25, blue, subhedral, small black inclusions, rounded.	
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	15%	Orange-brown, red-brown, dull, rounded, larger grains are pisolitic, includes rusty flakes.	
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			Tr	Silvery-black, sub/anhedral, moderately worn.	
KYANITE					
LEUCOXENE		Tr	10%	Grey-blue, beige, generally dull.	
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr	Very rare. Orange, resinous, well rounded opaques.	
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr	Very rare. Orange, anhedral, well rounded.	
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		5%	75%	Black-brown, rarely coloured, near spherical.	
XENOTIME					
ZIRCON			Tr	Colourless, orange, anhedral, 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: Concentrate fully observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334907

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
23.54 kgs
61.92 grams
-2.0+0.20 mm

KEY MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		3+0.25, 2+0.20, black, dull, eu/subhedral, rounded to well rounded, very finely pitted, slightly cokey appearance.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Beige, bluish-beige, golden, anhedral, rounded.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	50%		Orange-brown, red-brown, yellow-brown, dull, subangular to rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	45%		Silvery-black, bright, sub/anhedral, blocky, tabular, moderately worn, some more fresh grains.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, dull to more polished.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Very rare. Orange, sub-resinous, well rounded opaques.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Very rare. Orange-red, orange, silvery-black, cherry red.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	5%		Black-brown, near spherical grains.
XENOTIME					
ZIRCON			Tr		Very rare. Orange, colourless, 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: Concentrate fully observed.				Observed by: B.G. Date: Dec. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334908

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
24.72 kgs
218.28 grams
-2.0+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Pale yellow-brown, transparent, subtranslucent, subhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	90%	20%		Reddish-brown, dull, subangular, worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE	Tr	Tr	Tr		Grey-black, anhedral, tabular, subangular, moderately worn.
ILMENITE		10%	79%		Black, sub/anhedral, blocky, subangular, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange-brown, opaque, sub-resinous, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			1%		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, transparent, anhedral, 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:	-2.0+0.4 fully obs. -0.4+0.25 ½ obs.			Observed S.M. by: Jan. 1998. Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334909

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
17.08 kgs
12.35 grams
-2.0+0.25 mm

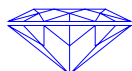
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Very rare. Beige, anhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	80%		Brown, red-brown, purple-brown, subangular, dull.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, tabular, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, brown, grey, dull to more polished.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Orange, resinous, near spherical grains, opaque.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Orange, orange-red, anhedral, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	20%		Black-brown, near spherical grains.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, Fe-stained, well rounded.
ROCK FRAGMENTS					

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

COMMENTS: Concentrate fully observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334910

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
17.26 kgs
56.59 grams
-2.0+0.25 mm

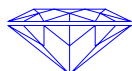
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Palest blue, beige, yellow, golden, anhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	50%		Red-brown, orange-brown, dull, subangular to rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	20%		Silvery-black, sub/anhedral, moderately worn.
KYANITE					
LEUCOXENE		Tr	20%		Tan, beige, grey-blue, dull to more polished.
MAGNETITE					
MICA			Tr		Very rare. Brown, flaky.
MN OXIDE					
MONAZITE		Tr	Tr		Very rare. Pinkish-brown, anhedral, opaque.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Orange-red, cherry red, rounded sub/anhedra.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	10%		Black-brown, rarely coloured, near spherical grains.
XENOTIME					
ZIRCON			Tr		Colourless, orange, anhedral, 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: Concentrate fully observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334911

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
22.70 kgs
30.45 grams
-2.0+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Rare. Blue, beige, beige-brown, anhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		1+0.25, milky mauve, subtranslucent, anhedral, rounded.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	80%		Orange-brown, red-brown, yellow-brown, dull, subangular to rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Grey-black to silvery-black, tabular, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Grey-green, beige, brown, generally dull.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Orange-brown, orange, well rounded opaques.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Cherry red, silvery-black, orange, orange-brown, anhedral, rounded.
SPHENE					
SPINEL			Tr		1+0.25, colourless, slightly pinkish tinge, subangular, moderately worn. Mg Al Zn content.
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	20%		Black-brown, near spherical grains.
XENOTIME					
ZIRCON			Tr		Fe-stained, orange, yellow, colourless, 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: Concentrate fully observed.				Observed by: B.G. Date: Dec. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334912

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
16.48 kgs
59.31 grams
-2.0+0.25 mm

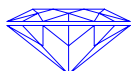
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Very rare. Grey-blue, beige, anhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	95%		Red-brown, yellow-brown, brown, generally rounded, dull.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			Tr		Silvery-black, anhedral, tabular, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, tan, brown, grey, dull.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Very rare. Cherry red, silvery-black, anhedral, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	5%		Black-brown, near spherical grains.
XENOTIME					
ZIRCON			Tr		Very rare. Orange, colourless, near spherical grains.
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: Concentrate fully observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334913

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
15.58 kgs
927.55 grams
-2.0+0.25 mm

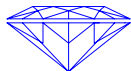
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Very rare. Pale golden yellow, sub/anhedral, rounded.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	25%		Yellow-brown, red-brown, dull, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	15%		Silvery-black, dull, sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE			60%		Abundant, beige, sub/anhedral, dull, semi-opaque to opaque, after ilmenite, rarely grey-green, grey-blue, brown, porcelain-like surface, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			Tr		Black-brown, near spherical grains.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					

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

COMMENTS: -2.0+1.2 fully obs.
-1.2+0.8 concentrate magnetically separated.
NM -1.2+0.8 fully obs.
M6/7 -1.2+0.8 fully obs.
M4/5 -1.2+0.8 fully obs.
M1/2/3 scalp not observed.
-0.8+0.25 fully obs.

Observed by: B.G.
Date: Jan. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334914

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
16.00 kgs
25.75 grams
-2.0+0.20 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Beige-blue, grey-blue, golden, anhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		Very rare. Pale yellow-green, subangular, moderately worn.
FE OXIDE/HYDROXIDE	100%	100%	90%		Orange-brown, red-brown, brown, yellow-brown, dull, subangular to rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, tabular, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, brown, grey-green, polished.
MAGNETITE					
MICA			Tr		Very rare. Blackish-brown, brown, flaky.
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Very rare. Brownish-pink, grey, near spherical grains.
PREHNITE					
PYROXENE					
RUTILE			Tr		Very rare. Cherry red, orange-red, anhedral, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	10%		Black-brown, rarely coloured, near spherical grains.
XENOTIME					
ZIRCON			Tr		Orange, colourless, well rounded anhedral.

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: Concentrate fully observed.				Observed by: B.G. Date: Dec. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334916

ASSESSMENT

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

NEGATIVE

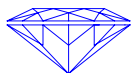
STREAM SEDIMENT
18.26 kgs
762.42 grams
-2.0+0.25 mm

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Brown, yellow-brown, purple-brown.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			Tr		Silvery-black, sub/anhedral, moderately worn.
KYANITE					
LEUCOXENE			Tr		Beige, grey-blue, brown, subporcelain-like surface, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Very rare. Silvery-black, orange-brown, anhedral, well rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, near spherical grains.
XENOTIME					
ZIRCON			Tr		Very rare. Colourless, orange, well rounded anhedra.

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:	-2.0+0.8 fully obs. -0.8+0.25 concentrate magnetically separated. NM -0.8+0.25 fully obs. M6/7 -0.8+0.25 fully obs. M4/5 -0.8+0.25 fully obs. M1/2/3 scalp not observed.			Observed by: B.G. Date: Jan. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334917

ASSESSMENT

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

NEGATIVE

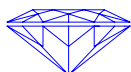
STREAM SEDIMENT
20.10 kgs
460.17 grams
-2.0+0.25 mm

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

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Brown, dull, blocky, worn, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE					
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			Tr		Black, anhedral, rounded, worn.
XENOTIME					
ZIRCON					

ROCK FRAGMENTS				
COMMENTS: -2.0+0.4 fully obs. -0.4+0.25 ½ obs.				Observed S.M. by: Dec. 1997. Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334918

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
21.64 kgs
6.72 grams
-2.0+0.25 mm

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

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Silvery-grey, grey-blue, golden yellow, tabular, blocky, rare subhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	99%	35%		Brown, red-brown, well rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	5%		Silvery-black, tabular, subangular, grooved.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, grey, opaque.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE	Tr	Tr	Tr		Black, red-black, cherry red, rounded, elongate, silvery sheen.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	1%	60%		Brown, black, green, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, rounded, some Fe-stained.

ROCK FRAGMENTS				
COMMENTS: Concentrate fully observed.				Observed by: J.D. Date: Dec. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334919

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
28.04 kgs
4.39 grams
-2.0+0.20 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Blue-grey, silvery-grey, ice blue, opaque, rounded, tabular.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Blue, tabular, transparent.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	70%	20%		Brown, red-brown, rounded, blocky.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		20%	10%		Silvery-black, blocky, subangular, grooved.
KYANITE					
LEUCOXENE		Tr	15%		Grey, beige, brown, opaque, blocky.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Black, red-black, orange-red, rounded, elongate, silvery sheen, some surface striation.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		10%	40%		Black, brown, well rounded.
XENOTIME					
ZIRCON		Tr	15%		Colourless, pale pink, pale orange, honey brown, rounded, subhedral.

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: Concentrate fully observed.				Observed by: J.D. Date: Dec. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334920

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
19.86 kgs
177.81 grams
-2.0+0.25 mm

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

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Pale yellow, translucent, subhedral, slightly worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	80%		Yellow, reddish-brown, dull, earthy, angular, blocky, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	5%		Silvery-black, sub/anhedral, blocky, moderately worn.
KYANITE					
LEUCOXENE		Tr	5%		Creamy, beige, dull to subporcelain-like surfaces, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Reddish-brown, opaque, sub-resinous, anhedral, rounded.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE		Tr	Tr		Golden brown, transparent, anhedral, blocky, moderately worn.
SULPHIDES					
TOURMALINE		Tr	10%		Brown-black, anhedral, blocky, worn, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, some Fe-staining, subhedral, prismatic, moderately worn to worn.

ROCK FRAGMENTS				
COMMENTS: Concentrate fully observed.				Observed by: S.M. Date: Dec. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334921

ASSESSMENT

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

PROB KIMB

STREAM SEDIMENT

20.10 kgs
43.75 grams
-2.0+0.20 mm

KEY MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		1+0.25, 1+0.20, black, rounded, subhedral, cokey, slight silvery sheen. (1+0.20 Prob Kimb)
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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

OTHER MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Blue-grey, ice blue, subtranslucent, blocky, subhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	80%	45%		Brown, red-brown, rounded, blocky.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		10%	20%		Silvery-black, subangular, tabular, blocky, grooved.
KYANITE					
LEUCOXENE		Tr	Tr		Grey, beige, opaque, blocky.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Red-black, rounded, silvery sheen.
SPHENE					
SPINEL					
STAUROLITE		Tr			Orange-brown, frosted.
SULPHIDES					
TOURMALINE	Tr	10%	35%		Brown, black, blue, well rounded.
XENOTIME					
ZIRCON			Tr		Red-brown, pink, colourless.

ROCK FRAGMENTS				
COMMENTS: Concentrate fully observed.				Observed by: J.D. Date: Dec. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334922

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
19.48 kgs
125.94 grams
-2.0+0.20 mm

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.20		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		1+0.25, 1+0.20, black, finely cokey, subhedral, moderately worn
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.20		
AMPHIBOLE					
ANATASE			Tr		Rare, pale yellow, subtranslucent, subhedral, slightly worn
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	93%		Orange-brown, brown, dull, subangular, blocky, worn
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	1%		Silvery-black, anhedral, blocky, rounded, some leucoxene coating
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	6%		Brown, black, anhedral, blocky, rounded
XENOTIME					
ZIRCON			Tr		Orange, Fe stained, sub/anhedral, blocky, 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: Concentrate fully observed.				Observed by: SM Date: Dec 97



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334923

ASSESSMENT

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

POSS KIMB

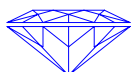
STREAM SEDIMENT
19.26 kgs
26.23 grams
-2.0+0.20 mm

	%	%	%		
KEY MINERALS	+0.8	+0.4	+0.20	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		2+0.25, 2+0.20, black, dull, anhedral, rounded, worn. (1+0.20, 1+0.25 poss kimb)
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

	%	%	%		
OTHER MINERALS	+0.8	+0.4	+0.20	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Yellow, transparent, subtranslucent, subhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Rare, colourless, subhedral, tabular, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	92%	35%		Reddish-brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		1%	20%		Silvery-black, some leucoxene coating, subangular, blocky, rounded.
KYANITE					
LEUCOXENE		3%	10%		Cream, brown, greyish, dull to porcelain-like surfaces, anhedral, blocky, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Silvery-black, cherry red, anhedral, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		4%	35%		Brown, brown-black, anhedral, blocky, 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, some Fe-staining, sub/anhedral, blocky, worn.
ROCK FRAGMENTS				
COMMENTS: Concentrate fully observed.				Observed by: S.M. Date: Dec. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334924

ASSESSMENT

Type of sample

Head Weight

Conc Weight -1.2+0.25mm

Size fractions observed

NEGATIVE

STREAM SEDIMENT

18.72 kgs

127.80 grams

-2.0+0.20 mm

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.20		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		1+0.25, 2+0.20, black, sub/anhedral, worn, lightly frosted.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.20		
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	68%		Reddish-brown, dull, anhedral, subangular, blocky, worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	15%		Silvery-black, anhedral, subangular, blocky, rounded, some leucoxene coating.
KYANITE					
LEUCOXENE			7%		Cream, greyish, brown, dull to porcelain-like surfaces, rounded, blocky.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			2%		Yellow, orange, brown, sub-resinous, opaque, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	8%		Brown-black, black, anhedral, blocky, 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, some Fe-staining, sub/anhedral, blocky, worn.
ROCK FRAGMENTS				
COMMENTS: Concentrate fully observed.				Observed by: S.M. Date: Dec. 1997.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334925

ASSESSMENT

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

POSS KIMB

STREAM SEDIMENT
15.02 kgs
167.71 grams
-2.0+0.20 mm

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.20		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		1+0.25, 4+0.20, black, anhedral, blocky, rounded. (1+0.25, 2+0.20 poss kimb)
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

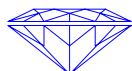
OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.20		
AMPHIBOLE					
ANATASE			Tr		Rare. Grey, subtranslucent, anhedral, rounded.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Yellow-brown, reddish-brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE		Tr			Rare. Silvery-black, anhedral, blocky.
ILMENITE		Tr	Tr		Silvery-black, black, anhedral, subangular, blocky, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Brown-black, anhedral, 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: Concentrate fully observed.

Observed
by:
Date:

S.M.
Dec. 1997.



DIATECH
Ph 61 9 361 2596
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File: 97-085.doc

HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334926

ASSESSMENT

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

POSS KIMB

STREAM SEDIMENT
18.26 kgs
102.34 grams
-2.0+0.20 mm

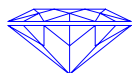
KEY MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		4+0.25, 1+0.20, black, dull, sub/anhedral, worn. (1+0.25 poss kimb)
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Blue, transparent, anhedral, tabular, slightly worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	97%		Yellow, plum brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, anhedral, blocky, worn.
KYANITE					
LEUCOXENE			Tr		Cream, brown, greyish, dull to porcelain-like surfaces, worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	3%		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, some Fe-staining, 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: Concentrate fully observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

334927

ASSESSMENT

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

NEGATIVE

STREAM SEDIMENT
18.56 kgs
124.54 grams
-2.0+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Pale grey-blue, subtranslucent, anhedral, tabular, worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	87%		Reddish-brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	1%		Silvery-black, blocky, moderately worn.
KYANITE					
LEUCOXENE			1%		Creamy, dull, rounded, worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			1%		Orange, subtranslucent, anhedral, flattish, rounded.
PREHNITE					
PYROXENE					
RUTILE			Tr		Dark cherry red, subtranslucent, anhedral, blocky, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	10%		Brown-black, black, anhedral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, pink, beige, transparent, anhedral, blocky, frosted, 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: Concentrate fully observed.

Observed
by:
Date:

S.M.
Dec. 1997.