

DIATECH
Ph 61 8 9361 2596
Fx 61 8 9470 1504

File: 98-066.doc

HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354788

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

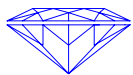
STREAMSED
27.24 kgs
7.04 grams
-2.0+0.25 mm
430

KEY MINERALS	% +0.8	% +0.4	% +0.25	BRIEF DESCRIPTION
DIAMOND				
PYROPE				
CHROMITE/CR SPINEL			Tr	11+0.25, all are anhedral, ovate to near spherical, finely frosted surfaces, weathered, granular cores. **One grain has several well rounded quartz grains cemented to one surface.
CHROME DIOPSIDE				
PICROILMENITE				
PHLOGOPITE				
OTHER				

OTHER MINERALS	% +0.8	% +0.4	% +0.25	BRIEF DESCRIPTION
AI SILICATES			Tr	Colourless, transparent, quite glossy, worn.
ANATASE			Tr	Rare. Grey-blue, pearly lustre, often tabular, sub to euhedral.
APATITE				
BARITE			Tr	Colourless, etched, well worn, translucent.
CALCITE				
CASSITERITE				
CORUNDUM				
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	40%	3%	Red-brown, yellow-brown, pisolitic.
GARNET			Tr	Rare, almandine, palest pink, palest orange-pink, anhedral, highly vitreous, hummocky surfaces.
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE		25%	45%	Dull silvery-black subhedra, moderately worn.
KYANITE				
LEUCOXENE		Tr	12%	Altered ilmenite; dark grey-green, tan, beige, smooth, moderately worn to well worn.
MN OXIDE				
MONAZITE			Tr	Red-orange, red-brown, near spherical reworked grains.
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE			Tr	Rare. Silvery-black to dark cherry red, near spherical reworked grains.
SPHENE				
SPINEL				
STAUROLITE			Tr	Rare. Orange-brown, well worn, translucent.
SULPHIDES				
TOURMALINE	Tr	35%	35%	Black-brown, frosted to smooth, near spherical, reworked grains.
ZIRCON		Tr	5%	Colourless, orange, red-orange, yellow, red-brown; near spherical to ovate reworked grains.

COMMENTS: -2.0+0.25 concentrate fully observed.

Observed by: L.F.
Date: Nov. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354789

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

STREAMSED
25.34 kgs
1.08 grams
-2.0+0.25 mm
430

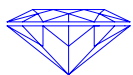
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		1+0.25, brownish-yellow, subtranslucent, moderately worn.
FE OXIDE/HYDROXIDE	35%	10%	Tr		Red-brown, dull, sub-rounded.
GARNET					
GOLD					
GORCEIXITE	60%	20%	10%		Creamy beige, cream/brown, orange, grey, cream, amorphous, dull to sub-resinous opaques.
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black subhedra, moderately worn.
KYANITE					
LEUCOXENE	Tr	Tr	5%		Beige, brown, well rounded, dull.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Orange, grey, creamy orange, creamy beige, near spherical resinous opaques.
PHOSPHATES					
PREHNITE					
PYROXENE		Tr			1+0.4, pale yellow blocky elongate transparent grain, moderately worn.
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
TOURMALINE	5%	65%	80%		Brown, black-brown, rarely coloured, ovate to near spherical frosted grains.
XENOTIME					
ZIRCON		Tr	5%		Orange-brown, colourless, yellow-beige, yellow, near spherical to ovate translucent grains, rarely opaque..
ROCK FRAGMENTS		5%	Tr		Fe-oxide/quartz, pyroxene composites.

COMMENTS: Concentrate fully observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354790

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

STREAMSED
53.60 kgs
1.36 grams
-2.0+0.25 mm
430

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE					
APATITE					
BARITE		Tr	Tr		Colourless, white, worn to moderately worn, translucent to opaque.
CALCITE					
CASSITERITE			Tr		Orange, well worn, greasy lustre, translucent.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	70%	55%	10%		Dull red-brown, earthy.
GARNET					
GOLD					
GORCEIXITE	30%	Tr	Tr		Red-brown, creamy brown, amorphous worn opaque grains.
HAEMATITE					
ILMENITE		10%	15%		Platy to blocky, silvery-black, moderately worn to well worn, some grains partly leucoxenised.
KYANITE					
LEUCOXENE			20%		Cream, beige, pale grey, dull to quite polished, often well worn and rounded.
MAGNETITE					
MICA					
MN OXIDE	Tr	Tr	Tr		Dull, grey-black, black-brown, soft, friable.
MONAZITE			Tr		Pale orange, red-orange, cream, near spherical reworked grains.
PHOSPHATES					
PREHNITE					
PYROXENE			Tr		1+0.25, pale brown jagged lath, dull, translucent, moderately fresh.
RUTILE					
SPHENE					
STAUROLITE			Tr		Orange-brown, well worn, translucent.
TOURMALINE	Tr	35%	52%		Black-brown, near spherical reworked grains, often finely frosted.
ZIRCON		Tr	3%		Colourless, orange, red-brown, yellow, near spherical reworked grains.

COMMENTS: Concentrate fully observed.

Observed by: L.F.
Date: Nov. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354791

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

STREAMSED
51.24 kgs
13.66 grams
-2.0+0.25 mm
-

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE		Tr	Tr		Palest blue-grey, pearly grey, moderately worn to worn, generally dull, opaque.
APATITE					
BARITE			Tr		Colourless, blocky, frosted and translucent, moderately worn to worn.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	90%	93%	82%		Red-brown, smooth to quite dull and earthy.
GARNET					
GOLD					
GORCEIXITE	10%	5%	Tr		Red-brown, mottled cream, worn, resinous lustre, amorphous, smooth.
HAEMATITE					
ILMENITE			Tr		Silvery-black, moderately fresh subhedra.
KYANITE					
LEUCOXENE		Tr	15%		Beige, cream, some are grey or tan, worn, dull to porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Red-orange, cream, resinous, well rounded, smooth.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Silvery-black, near spherical reworked grains.
STAUROLITE					
SULPHIDES					
TOURMALINE		2%	3%		Black-brown, near spherical reworked grains.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, pinkish, mostly well rounded grains but also as broken euhedra, moderately worn.

COMMENTS: Concentrate fully observed.

Observed by: L.F.
Date: Nov. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354792

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

STREAMSED
23.08 kgs
1.38 grams
-2.0+0.25 mm
430

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		Very rare. Beige, platy, subhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	80%	60%	10%		Red-brown, yellow-brown, dull earthy fragments to more rounded.
GARNET					
GOLD					
GORCEIXITE	20%	Tr	Tr		Creamy brown, red-brown, cream, grey-brown.
HAEMATITE					
ILMENITE		15%	25%		Silvery-black subhedra, moderately worn.
KYANITE					
LEUCOXENE		Tr	35%		Brown, cream, beige, grey, creamy beige, creamy brown, generally quite dull, opaque, commonly subhedral..
MAGNETITE					
MICA			Tr		1+0.25, greenish platy grain.
MN OXIDE					
MONAZITE			Tr		Beige, grey, cream, dull to more resinous opaques, well rounded.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
TOURMALINE		25%	30%		Black-brown near spherical grains.
XENOTIME					
ZIRCON		Tr	Tr		Orange, beige, yellow-beige, orange-brown, ovate to near spherical, translucent.

COMMENTS: Concentrate fully observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354793

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

STREAMSED
22.52 kgs
0.54 grams
-2.0+0.25 mm
430

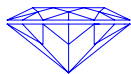
KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	35%	15%		Red-brown, yellow-brown, dull, sub-rounded to quite earthy and fragmented.
GARNET					
GOLD					
GORCEIXITE	Tr	Tr	Tr		Creamy white, creamy grey, dull, amorphous, opaque.
HAEMATITE					
ILMENITE		30%	35%		Silvery-black subhedra, moderately worn.
KYANITE					
LEUCOXENE		5%	5%		Brown, beige, grey, dull to more polished, subhedral to well rounded anhedral.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Cream, creamy orange, red-brown, orange, well rounded resinous opaques.
PHOSPHATES					
PREHNITE					
PYROXENE			Tr		1+0.25 brown, subangular, translucent, moderately worn.
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		30%	40%		Black-brown near spherical translucent grains.
ZIRCON		Tr	5%		Colourless, beige, orange, yellow-beige, brownish-beige, well rounded translucent anhedral.

COMMENTS: Concentrate fully observed.

Observed by: B.G.

Date: Nov. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354794

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

STREAMSED
25.90 kgs
8.36 grams
-2.0+0.25 mm
430

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL		Tr			2+0.4, black, dull, one is a rounded euhedral grain, the other almost spherical, finely pitted and frosted.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Pale blue, transparent to translucent sub/anhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		1+0.25, blue, transparent, subangular, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	60%		Yellow-brown, brown, red-brown, dull, generally pisolitic.
GARNET					
GOLD					
GORCEIXITE		Tr	Tr		Yellow, orange, brown, creamy grey, amorphous, sub-resinous, opaque.
HAEMATITE					
ILMENITE		Tr	15%		Silvery-black subhedra, moderately worn.
KYANITE			Tr		1+0.25 colourless, bladed, transparent, moderately worn.
LEUCOXENE		Tr	5%		Beige, blue-grey, grey-green, brown, dull to more porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Cream, orange, well rounded, opaque.
PHOSPHATES					
PREHNITE					
PYROXENE		Tr	Tr		Very rare. Yellow-brown ragged edged laths, moderately worn.
RUTILE			Tr		Very rare. Orange-red, well rounded, anhedral.
SPHENE					
STAUROLITE			Tr		Orange, orange-brown anhedral, translucent, rounded.
TOURMALINE		5%	20%		Black-brown, near spherical, translucent.
ZIRCON			Tr		Orange, beige, yellow, palest pink, generally ovate to near spherical translucent grains, rarely euhedral, transparent with fine vesicular inclusions.
COMMENTS: Concentrate fully observed.					
				Observed by:	B.G.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354795

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

STREAMSED
26.92 kgs
7.12 grams
-2.0+0.25 mm
430

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Rare. Palest grey-blue, pearly-grey, worn translucent granular aggregates.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	70%		Red-brown, yellow-brown, dull, earthy, some pisolitic.
GARNET					
GOLD					
GORCEIXITE		Tr	Tr		Red-brown, mottled, amorphous, resinous sheen, opaque smooth surfaces.
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, dull, moderately worn to worn.
KYANITE					
LEUCOXENE		Tr	15%		Beige, cream, rarely blue-grey, moderately worn to worn.
MAGNETITE					
MICA					
MN OXIDE		Tr	Tr		Soft brownish-black nodules, rare.
MONAZITE			Tr		Orange, orange-red, well rounded near spherical reworked grains.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare. Dark cherry red, strong silvery-black sheen, well worn.
SPHENE					
SPINEL					
STAUROLITE					
TOURMALINE		Tr	15%		Black-brown, well rounded reworked grains, smooth to frosted surfaces, translucent.
ZIRCON			Tr		Colourless, orange, rarely red-brown, orange, well rounded reworked grains.

COMMENTS: Concentrate fully observed.

Observed by: L.F.

Date: Nov. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354796

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

POSS KIMB

STREAMSED
26.00 kgs
30.89 grams
-2.0+0.25 mm
430

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL		Tr	Tr		1+0.4, 4+0.25, subhedral to almost spherical, dull, black, one is slightly brownish with a granular core, all are very friable. (1+0.25 poss kimb)
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE			Tr		1+0.25, golden brown, flaky, slightly abraded edges.
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE		Tr	Tr		Grey, greyish-blue, beige, blue, yellow, platy subhedra, translucent, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	70%	5%		Yellow-brown, red-brown, fragmented, earthy, pisolitic in the larger fractions.
GARNET			Tr		1+0.25, almandine, pink, blocky, translucent, moderately worn.
GOLD					
GORCEIXITE	Tr	Tr	Tr		Orange-brown, red-brown, cream, orange, amorphous, dull to more resinous, opaque.
HAEMATITE					
ILMENITE		20%	60%		Silvery-black subhedral grains, moderately worn.
KYANITE					
LEUCOXENE		Tr	10%		Brown, beige, grey-green, grey-blue, creamy beige, grey, dull and well rounded, more polished subhedra after ilmenite.
MONAZITE		Tr	Tr		Creamy orange, creamy brown, orange, yellow-orange, near spherical, opaque.
RUTILE		Tr	Tr		Very rare. Reddish-black, orange-red, ovate, strong metallic lustre.
SIDERITE	Tr	Tr	Tr		Very rare. yellow-beige, blocky, etched, translucent, moderately worn.
TOURMALINE	Tr	10%	20%		Black-brown, rarely coloured, near spherical.
UNKNOWN MINERAL			Tr		Very rare. Dull olive green, well rounded, opaque, Al Si K Fe.
ZIRCON		Tr	5%		Colourless, brown, yellow, pale pink, orange, often as broken euhedral grains, transparent with fine vesicular inclusions, also as well rounded transparent to translucent grains.

COMMENTS: Concentrate fully observed.

Observed by: B.G.

Date: Nov. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354797

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

STREAMSED
28.12 kgs
601.10 grams
-2.0+0.25 mm
435

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL		Tr	Tr		9+0.4, 12+0.25, black, some are broken, euhedral to subhedral, smooth brighter surface, twinned, sharper edges, others are more rounded subhedra, finely pitted, dull.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AI SILICATES			Tr		Very rare. Colourless, subangular, transparent.
ANATASE			Tr		Blue, yellow, platy subhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Very rare. Colourless, greyish, blue/colourless, included subhedra, transparent.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	55%		Yellow-brown, orange-brown, red-brown, fragmented, dull, some quite earthy, pisolitic in the larger fractions.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	40%		Silvery-black, commonly platy, subhedral, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Blue-grey, beige, brown, grey-green, dull to more polished.
MAGNETITE					
MICA			Tr		Very rare. 1+0.25, colourless, flaky.
MN OXIDE					
MONAZITE			Tr		Orange, orange-brown resinous opaques.
PHOSPHATES					
PREHNITE					
PYROXENE		Tr	Tr		Very rare. Yellowish-brown, blocky, transparent to translucent, moderately worn.
RUTILE			Tr		Very rare. Silvery-black, cherry red, orange-red.
SPHENE					
STAUROLITE			Tr		Very rare. Orange-brown, elongate, transparent to translucent, small black inclusions.
SULPHIDES			Tr		Very rare. Pyrite, dull brassy, granular.
TOURMALINE	Tr	Tr	5%		Black-brown, near spherical.
ZIRCON			Tr		Pink, orange, colourless, orange-brown, generally near spherical translucent grains, rarely as transparent euhedra.

COMMENTS: -2.0+0.8 fully obs.

-0.8+0.25 concentrate magnetically separated.

Observed B.G.
by:

Date: Nov. 1998

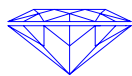
NM

-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.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354798

ASSESSMENT

Type of sample

Head Weight

Conc Weight -1.2+0.25mm

Size fractions observed

Disc No

NEGATIVE

STREAMSED

19.78 kgs

5.76 grams

-2.0+0.25 mm

430

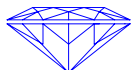
KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE		Tr	Tr		Pale blue-grey, moderately fresh subhedra, sometimes quite platy, translucent.
APATITE					
BARITE		Tr	Tr		Colourless, blocky, translucent, frosted surfaces.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	30%		Yellow-brown, mustard-brown, red-brown, dull and earthy, the larger grains are more smooth, pisolitic.
GARNET			Tr		1+0.25, almandine, orange, well worn.
GOLD					
GORCEIXITE		Tr	Tr		Rare. Red-brown amorphous grains, worn, resinous sheen.
HAEMATITE					
ILMENITE		2%	30%		Bright silvery-black subhedra, moderately fresh to moderately worn, often platy, sometimes partly leucoxenised.
KYANITE					
LEUCOXENE		Tr	5%		Cream, beige, tan, dull, opaque, well worn, some more smooth and polished, some after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Orange, red-orange, rarely cream, near spherical reworked grains, opaque, smooth.
PHOSPHATES					
PREHNITE					
PYROXENE			Tr		Rare. Dark brown, moderately fresh, translucent laths.
RUTILE		Tr	Tr		Silvery-black, near spherical, reworked.
SPHENE					
SPINEL					
TOURMALINE	Tr	3%	30%		Black-brown, smooth to frosted, reworked near spherical grains.
ZIRCON		Tr	5%		Colourless, pink, yellow, red-orange, red-brown, smooth reworked grains.

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 L.F.
by:
Date: Nov. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354799

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

STREAMSED
22.72 kgs
94.99 grams
-2.0+0.25 mm
435

KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL		Tr	Tr		1+0.4, 2+0.25 (in a ¼ split) black, dull, friable well rounded anhedral, one is slightly subhedral.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AI SILICATES			Tr		Very rare. Colourless to beige, transparent, subangular, moderately worn.
AMPHIBOLE			Tr		Very rare. Dark green, translucent, moderately worn.
ANATASE		Tr	Tr		Beige, yellow, grey, golden, translucent platy subhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		2+0.25, pale blue/colourless, platy, anhedral, transparent.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	75%		Yellow-brown, red-brown, dull, earthy.
GARNET			Tr		1+0.25, spessartine, pale pink, anhedral, moderately worn.
GOLD					
GORCEIXITE	Tr	Tr	Tr		Reddish-brown, orange-brown, creamy brown, yellow, creamy, amorphous, opaque.
HAEMATITE					
ILMENITE		Tr	15%		Silvery-black subhedral, moderately worn.
KYANITE			Tr		Very rare. Colourless, blocky, bladed, transparent.
LEUCOXENE			Tr		Grey-green, brown, beige, generally dull and well rounded.
MAGNETITE					
MICA					
MN OXIDE			Tr		Dull, grey-black, rounded.
MONAZITE		Tr	Tr		Very rare. Yellow, orange, near spherical resinous opaques.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Very rare. Cherry red, orange-red, black, rounded to well rounded anhedral.
STAUROLITE			Tr		Very rare. Orange-brown, elongate, slightly frosted.
TOURMALINE		Tr	10%		Black-brown, rarely coloured near spherical translucent grains.
ZIRCON			Tr		Yellow, beige, orange, colourless, near spherical to transparent euhedral with fine vesicular inclusions.

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+0.4 fully obs.
-0.4+0.25 ¼ obs.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354800

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

STREAMSED
21.64 kgs
227.99 grams
-2.0+0.25 mm
430

KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		2+0.25, black, dull well rounded subhedra to almost spherical, friable, granular cores.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

% % %

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE			Tr		Very rare. Olive green, translucent, subrounded.
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Red-brown, orange-brown, nodular to earthy, dull, pisolitic in the larger fractions.
GARNET					
GOLD					
GORCEIXITE		Tr	Tr		Beige, orange-brown, amorphous, opaque.
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, subhedral, moderately worn.
KYANITE					
LEUCOXENE			Tr		Grey-green, brown, dull to more polished.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Cream, creamy orange, resinous, opaque.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, near spherical, translucent.
XENOTIME					

ZIRCON			Tr	Orange, colourless, near spherical to broken euhedra, transparent to translucent.
COMMENTS: Concentrate fully observed.				Observed by: B.G. Date: Nov. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354801

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

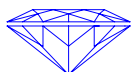
STREAMSED
20.98 kgs
1667.44 grams
-2.0+0.25 mm
435

	%	%	%		
KEY MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		1+0.25 (in a ¼ split) black, well rounded, pitted with granular fracture.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

	%	%	%		
OTHER MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Blue-grey, ice blue, deep blue, subhedral, tabular, sub-transparent with greasy lustre.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Red-brown, brown, rounded, earthy, angular.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Black, subangular, tabular, grooved.
KYANITE					
LEUCOXENE			Tr		Cream, beige, angular, polished.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Brown, black, well rounded.

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

XENOTIME				
ZIRCON			Tr	Cream, colourless, broken euhedral to well rounded.
COMMENTS: -2.0+0.8 fully obs.				Observed J.D.
				by: Date: Nov. 1998.
				-0.8+0.25 concentrate magnetically separated.
				-0.8+0.25 concentrate fully observed.
NM				
M6/7	-0.8+0.25 ¼ obs.			
M4/5	-0.8+0.25 concentrate fully observed.			
M1/2/3	Scalp not observed.			



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354802

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

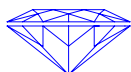
STREAMSED
26.20 kgs
17.05 grams
-2.0+0.25 mm
435

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		
AI SILICATES			Tr		1+0.25, watery candy pink, ovate, transparent, worn.
ANATASE		Tr	Tr		Blue, grey-blue, beige, yellow-beige, platy subhedra, rarely rounded, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	80%		Orange-brown, red-brown, yellow-brown, dull, earthy, sub-rounded.
GARNET					
GOLD					
GORCEIXITE	Tr	Tr	Tr		Mottled brown, creamy, greyish-brown, orange-brown, grey, amorphous, sub-resinous opaques.
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black subhedra, moderately worn.
KYANITE					
LEUCOXENE		Tr	15%		Creamy grey, creamy, beige, generally near spherical dull opaques.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Orange-brown, orange, greyish-brown, creamy orange, resinous well rounded opaques.
PHOSPHATES					
PREHNITE					
PYROXENE			Tr		Very rare. Brown, translucent, lath-like, moderately worn.
RUTILE		Tr	Tr		Silvery-black, orange-red, well rounded, anhedral.
STAUROLITE			Tr		Very rare. Orange-brown, platy, anhedral.
TOURMALINE		Tr	5%		Black-brown, rarely coloured near spherical grains.

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	Beige, orange, pink, pearl, colourless, generally near spherical, transparent to translucent, rarely as broken euhedral grains, transparent with fine vesicular inclusions.
COMMENTS: Concentrate fully observed.				Observed by: B.G. Date: Nov. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354803

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

STREAMSED
21.14 kgs
267.47 grams
-2.0+0.25 mm
435

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL		Tr	Tr	1+0.4, 1+0.25, black, dull, finely pitted, granular fracture	
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	95%		Brown, red-brown, dull, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE		Tr	Tr		Black, specular micaceous aggregates.
ILMENITE		Tr	Tr		Silvery-black, subangular, tabular with metallic lustre.
KYANITE					
LEUCOXENE			Tr		Brown, beige after ilmenite, polished opaques.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, translucent, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	5%		Black, brown, blue, well rounded.
XENOTIME					

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

ZIRCON			Tr	Orange, colourless, honey brown, broken euhedra, also ovate to well rounded.
ROCK FRAGMENTS				
COMMENTS: Concentrate fully observed.				Observed by: J.D. Date: Nov. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354804

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

STREAMSED
24.30 kgs
9.69 grams
-2.0+0.25 mm
430

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

% % %

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Beige, yellow, blue/beige, grey, rounded sub/anhedra, some as platy aggregates.
APATITE					
BARITE					
CALCITE					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	55%		Red-brown, orange-brown, yellow-brown, dull earthy fragments to more rounded.
GARNET					
GOLD					
GORCEIXITE	Tr	Tr	Tr		Creamy red-brown, cream, amorphous, opaque.
HAEMATITE					
ILMENITE			Tr		Silvery-black subhedra, moderately worn.
KYANITE					
LEUCOXENE		Tr	25%		Greyish-cream, grey-blue, creamy beige, beige, well rounded dull opaques.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Orange, creamy orange, red-brown, cream, well rounded resinous opaques.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	20%		Black-brown near spherical grains.

ZIRCON		Tr	Tr	Beige, brownish-beige, yellow, colourless, orange, orange-brown, generally near spherical, transparent to translucent, rarely as euhedral grains with fine vesicular inclusions.
COMMENTS: Concentrate fully observed.				Observed by: B.G. Date: Nov. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354805

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

STREAMSED
24.68 kgs
17.47 grams
-2.0+0.25 mm
430

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		Very rare. Yellow rounded translucent grains, worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	97%		Red-brown, orange-brown, yellow-brown, coated, dull, earthy, often quite nodular to subangular fragments.
GARNET					
GOLD					
GORCEIXITE		Tr	Tr		Orange-brown, creamy-brown, cream, amorphous sub-resinous opaques.
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black subhedra, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, grey-blue, tan, dull to more porcelain-like lustre.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE			Tr		Very rare. Yellow-beige, lath-like, translucent, moderately worn.
RUTILE			Tr		Very rare. Silvery-black, cherry red well rounded anhedral.
SPHENE					
SPINEL					
SULPHIDES			Tr		1+0.25 dull brassy granular grain.

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

TOURMALINE	Tr	Tr	3%	Black-brown, near spherical, translucent.
UNKNOWN MINERAL		Tr	Tr	Very rare. Dark green dull spherical opaques, Al Si K Fe.
ZIRCON		Tr	Tr	Orange, colourless, yellow, ovate to near spherical, rarely as euhedral grains with fine vesicular inclusions.
COMMENTS: Concentrate fully observed.				Observed by: B.G. Date: Nov. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354806

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

STREAMSED
24.32 kgs
2.77 grams
-2.0+0.25 mm
435

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

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE			Tr		Very rare. Colourless, tabular to more rounded, transparent, moderately worn.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	95%		Red-brown, yellow-brown, dull, subangular to quite rounded, earthy.
GARNET					
GOLD					
GORCEIXITE	Tr	Tr	Tr		Dull cream, orange-brown, dull to sub-resinous amorphous opaques.
HAEMATITE					
ILMENITE		2%	2%		Silvery-black subhedra, moderately worn.
KYANITE					
LEUCOXENE			Tr		Dull beige, brown, creamy beige, well rounded opaques, dull to more polished.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
TOURMALINE		3%	3%		Black-brown, rare coloured grains, near spherical, translucent.

ZIRCON				
ROCK FRAGMENTS		Tr	Tr	Very rare. Quartz/Fe-oxide composites./rare pyroxene composite grains.
COMMENTS: Concentrate fully observed.				Observed by: B.G. Date: Nov. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354807

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

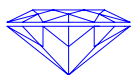
STREAMSED
31.28 kgs
52.33 grams
-2.0+0.25 mm
-

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

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Grey-blue, blue, tabular, sub-transparent, opaque.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	95%		Red-brown, brown, dull, rounded, earthy, angular.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	2%		Silvery-black, subangular, rounded, blocky, some grains partly leucogenised.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE		Tr	Tr		Grey-black, dull, rounded.
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	3%		Black, brown, well rounded, pitted.

XENOTIME				
ZIRCON			Tr	Yellow, honey brown, translucent ovate grains.
ROCK FRAGMENTS				
COMMENTS: Concentrate fully observed.				Observed by: J.D. Date: Nov. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354808

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

STREAMSED
20.60 kgs
250.74 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		Blue-grey, moderately worn, tabular subhedra.
APATITE					
BARITE		Tr	Tr		Colourless, blocky, etched/grooved, moderately worn.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	92%	50%		Mustard yellow, red-brown, dull, earthy.
GARNET					
GOLD					
GORCEIXITE			Tr		Red-orange, red-brown, amorphous grains, resinous sheen, well worn.
HAEMATITE					
ILMENITE		8%	50%		Silvery-black, moderately worn subhedra.
KYANITE					
LEUCOXENE			Tr		After ilmenite, beige/grey/tan, moderately worn.
MAGNETITE					
MICA			Tr		Rare. Muscovite, white platy flakes.
MN OXIDE					
MONAZITE			Tr		Rare. Reworked grains, well rounded, red-orange, orange, rarely cream.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare. Pale orange-brown, near spherical, translucent, 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

TOURMALINE		Tr	Tr	Black-brown, ovate to near spherical, frosted, reworked, rare worn euhedra and broken euhedra.
ZIRCON			Tr	Colourless, orange, yellow, ovate to near spherical, reworked.
COMMENTS: -2.0+0.8 concentrate fully observed. Observed L.F. by: Date: Nov. 1998. -0.8+0.25 concentrate magnetically separated. -0.8+0.25 fully obs. NM M6/7 -0.8+0.4 fully obs, -0.4+0.25 ¼ obs. M4/5 -0.8+0.4 fully obs, -0.4+0.25 ¼ obs. M1/2/3 Scalp not observed.				



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354809

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

STREAMSED
23.42 kgs
325.58 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%	98%		Brown, red-brown, tan, dull, rounded, earthy, angular.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	1%		Silvery-black, tabular, subangular, grooved.
KYANITE					
LEUCOXENE		Tr	Tr		Brown, beige, after ilmenite, polished opaques.
MAGNETITE					
MN OXIDE		Tr	Tr		Grey-black, dull, rounded.
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	1%		Black, brown, well rounded, some heavily pitted.
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, broken euhedra, vitreous.
ROCK FRAGMENTS				
COMMENTS: -2.0+0.4 fully obs. -0.4+0.25 ½ obs.				Observed by: J.D. Date: Nov. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354810

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

STREAMSED
26.60 kgs
3.13 grams
-2.0+0.25 mm
435

	%	%	%		
KEY MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr	1+0.25,	slightly brownish grain, well rounded, glassy fracture.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

	%	%	%		
OTHER MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr	1+0.25,	pale pink/colourless, platy, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	60%		Red-brown, yellow-brown, orange-brown, fragmented to more rounded, dull, earthy.
GARNET					
GOLD					
GORCEIXITE		Tr	Tr		Creamy beige, grey amorphous opaques.
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black subhedra, moderately worn.
KYANITE					
LEUCOXENE		Tr	10%		Grey-blue, beige, dull, well rounded opaques.
MAGNETITE					
MICA			Tr		Very rare. Blackish-brown, platy.
MN OXIDE					
MONAZITE		Tr	Tr		Red-brown, cream, orange, peach, near spherical dull to more resinous opaques.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					

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

TOURMALINE		Tr	30%	Black-brown, near spherical, translucent.
XENOTIME				
ZIRCON		Tr	Tr	Beige, orange, ovate to near spherical translucent grains.
ROCK FRAGMENTS			Tr	Fe-oxide/quartz composites.
COMMENTS: Concentrate fully observed.				Observed by: B.G. Date: Nov. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354811

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

STREAMSED
26.32 kgs
1 grams
-2.0+0.25 mm
435

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 yellow, blocky with greasy lustre.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	80%	40%		Brown, red-brown, tan, dull, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Black, tabular, subangular.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Pale grey, cream, orange, rounded opaques.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					

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

SULPHIDES				
TOURMALINE		20%	60%	Black, brown, green, orange, well rounded.
XENOTIME				
ZIRCON			Tr	Honey brown, orange, colourless, subhedral to well rounded, transparent to opaque.
COMMENTS: Concentrate fully observed. <div style="text-align: right;"> Observed by: J.D. Date: Nov. 1998. </div>				



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354812

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

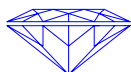
STREAMSED
19.70 kgs
136.09 grams
-2.0+0.25 mm
-

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		Silver-grey, translucent tabular grain.
APATITE					
BARITE	Tr	Tr	Tr		White, elongate, blocky, frosted, some deeply etched.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	97%		Brown, red-brown, dull, rounded; also some pseudomorph after pyrite.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	1%		Silvery-black, subangular, tabular to rounded.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					

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

STAUROLITE				
SULPHIDES				
TOURMALINE		Tr	2%	Black, brown, well rounded.
XENOTIME				
ZIRCON			Tr	Honey brown, orange, opaque ovate grains.
ROCK FRAGMENTS				
COMMENTS:	Concentrate fully observed			Observed by: J.D. Date: Nov. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354813

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

STREAMSED
37.74 kgs
1.86 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		Blue-grey, rounded opaque, also translucent subhedra.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	55%	5%		Brown, red-brown, dull, rounded.
GARNET			Tr		Almandine, pale pink, transparent, vitreous rounded grains.
GOLD					
GORCEIXITE		Tr			Red-brown, opaque amorphous grain.
HAEMATITE					
ILMENITE		10%	55%		Silvery-black with high metallic lustre, some grains partly leucoxenised.
KYANITE					
LEUCOXENE		5%	40%		Brown, beige, grey, after ilmenite, angular blocky polished opaques.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Orange well rounded opaques with resinous lustre.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					

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

SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE		30%	Tr	Black, brown, green, well rounded.
XENOTIME				
ZIRCON			Tr	Colourless, yellow, pale orange, vitreous broken euhedra, ovate to well rounded frosted opaques.
COMMENTS:	Concentrate fully observed.			Observed by: J.D. Date: Nov. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

1015701

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

DRILLCORE
17.64 kgs
385.5 grams
-2.0+0.25 mm
423

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					
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE	Tr				Bright silvery-black, finely micaceous, lining small geodes with quartz, see rock fragments below.
ILMENITE			Tr		Dull silvery-black, platy, fresh.
KYANITE					
LEUCOXENE					
MAGNESITE			Tr		Colourless, blocky, translucent, fresh.
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					

SIDERITE?	Tr	8%	10%	Beige, orange-brown, red-brown, often as tabular crusts, finely parallel crystal growth, translucent to waxy.
SPINEL				
STAUROLITE				
SULPHIDES			Tr	Pyrite, dull tarnished angular fragments, massive, intergrown with rock fragments.
ROCK FRAGMENTS	100%	92%	90%	Greenish-grey, consisting of fine even-grained granular interlocking crystals, also several small 'geodes' lined with haematite and subhedral colourless quartz.
COMMENTS: -2.0+0.8 concentrate fully observed. Observed L.F. by: Date: Oct. 1998. -0.8+0.25 concentrate magnetically separated. NM -0.8+0.25 fully obs. M6/7 -0.8+0.4 fully obs, -0.4+0.25 ½ obs. M4/5 -0.8+0.25 1/8 obs. M1/2/3 Scalp not observed.				



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

1015702

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

DRILLCORE
14.90 kgs
230.2 grams
-2.0+0.25 mm
423

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	Tr	Tr	Tr		Orange-brown, crusts, finely granular, translucent.
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE					
GARNET			Tr		Very rare. Palest pink, well worn, transparent.
GOLD					
GORCEIXITE					
HAEMATITE	Tr	Tr	Tr		Silvery-grey micaceous aggregates, often with quartz.
ILMENITE		Tr	Tr		Fresh subhedra, bright silvery-black.
KYANITE					
LEUCOXENE					
MAGNESITE		Tr	Tr		Cream, white, granular, semi-opaque.
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					

SIDERITE?	Tr	Tr	Tr	Colourless to greyish, dull, translucent, blocky.
STAUROLITE				
SULPHIDES	Tr	Tr	Tr	Pyrite, tarnished broken cubes, fresh.
TOURMALINE			Tr	Very rare. Black-brown, well rounded, frosted.
ZIRCON				
ROCK FRAGMENTS	100%	100%	100%	Highly ferruginous oxidised fragments, platy, yellow-brown; also fragments of broken geode, filled with quartz/haematite, rare globular masses of white barite studded with fine fresh pyrite crystals.
COMMENTS: -2.0+0.8 concentrate fully observed.				Observed L.F. by: Date: Oct. 1998.
	-0.8+0.25 concentrate magnetically separated.			
NM	-0.8+0.25 fully obs.			
M6/7	-0.8+0.25 1/8 obs.			
M4/5	-0.8+0.25 fully obs.			
M1/2/3	Scalp not observed.			



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

1015703

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

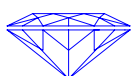
DRILLCORE
16.52 kgs
563.8 grams
-2.0+0.25 mm
423

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%		Orange-brown/red-brown, grey-black, dull, nodular, often aggregated.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			Tr		Very rare. Silvery-black, subhedral, moderately worn.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE			Tr		Very rare. Grey-black, dull, rounded.
MONAZITE		Tr	Tr		Very rare. Creamy to creamy yellow, dull to more sub-resinous sub-rounded opaques.
PHOSPHATES					
PREHNITE					

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

PYROXENE				
RUTILE				
SIDERITE?	Tr	Tr	Tr	Very rare. orange-brown, well rounded, stippled.
SPINEL				
STAUROLITE				
SULPHIDES			Tr	Very rare pyrite. Dull cubic grains, brassy.
TOURMALINE			Tr	Very rare. Black-brown near spherical translucent grains.
XENOTIME				
ZIRCON				
ROCK FRAGMENTS	Tr	Tr	Tr	Fe-oxide/creamy phosphate/Al Si Fe composites.
COMMENTS:	-2.0+0.8 fully obs.			Observed B.G.
	-0.8+0.25 concentrate magnetically separated.			by: Date: Oct. 1998.
NM	-0.8+0.25 fully obs.			
M6/7	-0.8+0.25 1/16 obs.			
M4/5	-0.8+0.4 1/8 obs, -0.4+0.25 1/16 obs.			
M1/2/3	Scalp not observed.			



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

1015704

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

DRILLCORE
10.18 kgs
230.3 grams
-2.0+0.25 mm
429

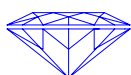
	%	%	%		
KEY MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

% % %

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

OTHER MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE			Tr		Rare individual crystals, fresh, bottle green, finely striate.
ANATASE					
APATITE					
BARITE	Tr	Tr	Tr		White, blocky rhombic fragments, translucent.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	10%	20%	Tr		Dull, dark brown, angular fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	40%		Dull silvery-black, often composite with rock fragments.
KYANITE					
LEUCOXENE			Tr		Rare, grey-brown, smooth, after ilmenite.
MAGNESITE			Tr		Creamy white, some Fe-stained, frosted, moderately worn.
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					

PYROXENE				
RUTILE				
SIDERITE	25%	8%	8%	Orange-brown, also colourless to beige, resinous to waxy crusts, parallel crystal growth.
SPINEL				
SULPHIDES		Tr	Tr	Pyrite, dull tarnished fragments, granular to massive.
TOURMALINE			Tr	Rare, black-brown, near spherical, reworked.
XENOTIME				
ZIRCON				
ROCK FRAGMENTS	65%	72%	52%	Black-green, amphibole/ilmenite(?), fine grained interlocking crystals.
COMMENTS:	-2.0+0.8 concentrate fully observed.			Observed L.F.
	-0.8+0.25 concentrate magnetically separated.			by: Date: Oct. 1998.
	-0.8+0.25 fully obs.			
NM				
M6/7	-0.8+0.4 ½ obs, -0.4+0.25 1/8 obs.			
M4/5	-0.8+0.4 ¼ obs, -0.4+0.25 1/16 obs.			
M1/2/3	Scalp not observed.			



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

1015705

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

DRILLCORE
11.00 kgs
596.1 grams
-2.0+0.25 mm
429

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

% % %

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE			Tr		Very rare. Dark greyish-green blocky laths.
ANATASE					
APATITE		Tr	Tr		Very rare. Beige, subangular, transparent.
BARITE					
CALCITE					
CASSITERITE					
CHALCOCITE?			Tr		1+0.25, dull grey soft friable grain, Cu S.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Purple-brown, red-brown, orange-brown, yellow-brown, subrounded to quite nodular, also rare bright silvery grains..
GARNET					
GOLD					
GORCEIXITE	Tr	Tr	Tr		Very rare. Dull creamy white amorphous opaques.
HAEMATITE					
ILMENITE			Tr		Very rare. Silvery-black anhedral, dull.
KYANITE					
LEUCOXENE					
MAGNESITE		Tr	Tr		Colourless rounded transparent grains.
MICA					
MN OXIDE					
MONAZITE					

PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE				
SIDERITE			Tr	Very rare. Orange, yellow-brown, platy to more rounded crystals
SPINEL				
STAUROLITE				
SULPHIDES	Tr	Tr	Tr	Very rare. Pyrite. Brassy, dull sub/anhedra.
TOURMALINE			Tr	Very rare. Black-brown near spherical grains.
ZIRCON				
ROCK FRAGMENTS		Tr	Tr	
COMMENTS:	-2.0+0.8 fully obs.			Observed by: B.G.
	-0.8+0.25 concentrate magnetically separated.			Date: Oct. 1998.
NM	-0.8+0.25 fully obs.			
M6/7	-0.8+0.25 1/32 obs.			
M4/5	-0.8+0.25 fully obs.			
M1/2/3	Scalp not observed.			



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

1015706

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

DRILLCORE
7.50 kgs
281.2 grams
-2.0+0.25 mm
429

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

	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
OTHER MINERALS					
AMPHIBOLE					
ANATASE					
APATITE		Tr	Tr		Colourless, subhedral, transparent.
BARITE	Tr	Tr	Tr		White, cream, colourless, blocky to rounded, some heavily etched and frosted.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	95%		Brown, red-brown, dull rounded to angular earthy fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE		Tr	Tr		Silvery-black, specular, rounded, fibrous to platy.
ILMENITE			Tr		Iron black, subangular with high metallic lustre.
KYANITE					
LEUCOXENE					
MAGNESITE	Tr		Tr		White, rounded, frosted, opaque, also colourless, transparent blocky grain.
MICA					
MN OXIDE					

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

MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE				
SIDERITE	Tr	5%	5%	Pale yellowish-brown, translucent to opaque, matt sheen with surface striations.
SPINEL				
STAUROLITE				
SULPHIDES	Tr	Tr	Tr	Pyrite, bright brassy yellow, broken cubes to rounded.
TOURMALINE			Tr	Brown, well rounded.
XENOTIME				
ZIRCON				
COMMENTS:	-2.0+0.8 fully obs.			Observed J.D.
	-0.8+0.25 concentrate magnetically separated.			by: Date: Oct. 1998.
NM	-0.8+0.25 fully obs.			
M6/7	-0.8+0.4 ¼ obs, -0.4+0.25 1/16 obs.			
M4/5	-0.8+0.4 ½ obs, -0.4+0.25 ¼ obs.			
M1/2/3	Scalp not observed.			



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

1015707

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

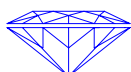
DRILLCORE
7.42 kgs
307.9 grams
-2.0+0.25 mm
-

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

	%	%	%		
OTHER MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Golden yellow, tabular, vitreous.
APATITE					
BARITE	Tr	Tr	Tr		White, frosted, blocky.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	95%		Brown, mustard yellow, dull, earthy, rounded and angular.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			Tr		Silvery-black, subangular grains.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					

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

PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE				
SIDERITE	Tr	5%	5%	Pale yellow, buff brown, opaque, subhedral with surface striations, some more tabular, translucent, angular with pearly lustre.
SPINEL				
STAUROLITE				
SULPHIDES		Tr	Tr	Pyrite, pale brassy yellow, broken cubes to quite rounded.
TOURMALINE				
XENOTIME				
ZIRCON				
COMMENTS:	-2.0+0.8 fully obs.			Observed J.D.
	-0.8+0.25 concentrate magnetically separated.			by: Date: Oct. 1998.
	-0.8+0.4 ¼ obs, -0.4+0.25 1/8 obs.			
NM				
M6/7	-0.8+0.4 ¼ obs, -0.4+0.25 1/8 obs.			
M4/5	-0.8+0.4 ¼ obs, -0.4+0.25 1/8 obs.			
M1/2/3	Scalp not observed.			



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

1015708

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

DRILLCORE
14.86 kgs
178.8 grams
-2.0+0.25 mm
429

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			Tr		Colourless, transparent subhedral grains.
BORNITE			Tr		Blocky grains tarnished to bright blue, purple dull metallic lustre.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	5%	10%	15%		Red-brown, brown, dull, earthy, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			Tr		Silvery-black, rounded with metallic lustre.
KYANITE					
LEUCOXENE			Tr		Beige, opaque, angular polished grains.
MAGNETITE					
MICA					

MN OXIDE				
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE				
SIDERITE	5%	55%	60%	Yellowish brown, buff brown, opaque granular subhedral masses to translucent angular grains.
SPINEL				
STAUROLITE				
SULPHIDES	Tr	Tr	Tr	Dull brassy rounded earthy grains, many tarnished.
TOURMALINE			Tr	Black-brown, well rounded.
ZIRCON				
ROCK FRAGMENTS	90%	35%	25%	Fe-oxide/siderite/sulphide/quartz composites.
COMMENTS:	-2.0+0.8 fully obs.			Observed J.D.
	-0.8+0.25 concentrate magnetically separated.			by: Date: Oct. 1998.
NM	-0.8+0.25 fully obs.			
M6/7	-0.8+0.4 ½ obs, -0.4+0.25 ¼ obs.			
M4/5	-0.8+0.4 ¼ obs, -0.4+0.25 1/16 obs.			
M1/2/3	Scalp not observed.			



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

1015709

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

DRILLCORE
13.66 kgs
549.0 grams
-2.0+0.25 mm
429

	%	%	%		
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			Tr		Very rare. Beige transparent anhedral.
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	50%	35%	30%		Red-brown, purple-brown, greyish-brown, dull, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE					
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					

MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE				
SIDERITE	50%	65%	70%	Orange, yellowish-orange, trans/subtranslucent, eu/sub/anhedral, often as crystal clusters, also beige/Fe-stained subrounded grains, transparent.
STAUROLITE				
SULPHIDES	Tr	Tr	Tr	Pyrite. Dull brassy cubic clusters, some rounded and granular.
TOURMALINE			Tr	Very rare. Black-brown, near spherical.
UNKNOWN MINERAL		Tr	Tr	Very rare. Yellow, dull, granular, semi-opaque, Al Si K Fe.
ROCK FRAGMENTS	Tr	Tr	Tr	Fe-oxide/pyrite/siderite composites, also grey-green, greyish-black grains, Al Si K Ca Ti Fe.
COMMENTS: -2.0+0.8 fully obs.				Observed by: B.G.
-0.8+0.25 concentrate magnetically separated.				Date: Oct. 1998.
NM	-0.8+0.25 fully obs.			
M6/7	-0.8+0.25 1/8 obs.			
M4/5	-0.8+0.25 1/16 obs.			
M1/2/3	Scalp not observed.			



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

1015710

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

DRILLCORE
11.24 kgs
299.0 grams
-2.0+0.25 mm
429

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			Tr		Colourless, transparent subhedral grains.
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	30%	50%	45%		Brown, mustard yellow, red-brown, dull, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE					
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					

MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE				
SIDERITE	20%	45%	50%	Yellow-orange, pale yellow, buff brown.
SPINEL				
STAUROLITE				
SULPHIDES	Tr	Tr	Tr	Dull brassy yellow, rounded, earthy.
TOURMALINE			Tr	Brown, rare subhedra, rounded.
XENOTIME				
ZIRCON			Tr	Colourless, transparent, rounded.
ROCK FRAGMENTS	50%	5%	5%	Siderite/Fe-oxide/sulphide composites.
COMMENTS:	-2.0+0.8 fully obs.			Observed J.D.
	-0.8+0.25 concentrate magnetically separated.			by: Date: Oct. 1998
	-0.8+0.25 fully obs.			
NM				
M6/7	-0.8+0.4 ½ obs, -0.4+0.25 ¼ obs.			
M4/5	-0.8+0.4 1/8 obs, -0.4+0.25 1/16 obs.			
M1/2/3	Scalp not observed.			



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

1015711

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

DRILLCORE
16.66 kgs
4.5 grams
-2.0+0.25 mm
429

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	Tr	Tr	Tr		Rare, red-brown, earthy, dull.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE					
KYANITE					
LEUCOXENE					
MAGNESITE	Tr	Tr	Tr		White, rhombic, translucent, fresh.
MICA					

MN OXIDE				
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE				
RUSTY FLAKES	20%	15%	20%	
SIDERITE	50%	55%	55%	Cream, yellow-beige, rarely orange-brown, blocky, some rhombic.
SPINEL				
STAUROLITE				
SULPHIDES	20%	20%	15%	Pyrite, fine granular masses, bright, brassy.
TOURMALINE				
XENOTIME				
ZIRCON				
ROCK FRAGMENTS	10%	10%	10%	Composite fragments of Mg/Fe/Ca and fine pyrite.
COMMENTS:	Concentrate fully observed.			Observed L.F. by: Date: Oct. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

1015712

ASSESSMENT

Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

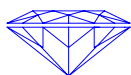
DRILLCORE
19.52 kgs
4.2 grams
-2.0+0.25 mm
429

	%	%	%		
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	Tr	Tr	Tr		Red-brown, orange-brown, dull, earthy.
GARNET		Tr			1+0.4, almandine, pale pink, transparent subrounded grain.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black subhedra, moderately worn.
KYANITE					
LEUCOXENE					
MAGNESITE	Tr	Tr	Tr		Very rare. Colourless, blocky, anhedral.
MICA	Tr				1+0.8, brown platy grain.

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

MN OXIDE	Tr	Tr	Tr	Dull grey, well rounded.
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE				
RUSTY FLAKES	30%	35%	40%	Dull, reddish-grey rusty flakes.
SIDERITE		Tr	Tr	Orange, beige, yellow-beige, grey, blocky anhedral to fine crystal aggregates.
SPINEL				
STAUROLITE				
SULPHIDES	5%	5%	10%	Pyrite, bright brassy granular aggregates and cubic clusters.
ZIRCON				
ROCK FRAGMENTS	65%	60%	50%	Fe-oxide/silicate/pyrite composites.
COMMENTS: Concentrate fully observed.				Observed by: B.G. Date: Oct. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

4975

ASSESSMENT

NEGATIVE

Type of sample

ROCK

Head Weight

8.90

kgs

Conc Weight -1.2+0.25mm

3234.66

grams

Size fractions observed

-0.8+0.25

mm

Disc No

-

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%		Brown, red-brown, dull, earthy, angular.
GARNET		Tr	Tr		Almandine, pale pink, vitreous rounded grains.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			Tr		Silvery-black, tabular, subangular, high metallic lustre, some grooved, others slightly frosted.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					

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

MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE				
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE				
XENOTIME				
ZIRCON				
ROCK FRAGMENTS				
COMMENTS: -2.0+0.8 not obs. <div style="float: right;">Observed J.D. by: Date: Nov. 1998</div> -0.8+0.25 concentrate magnetically separated. -0.8+0.25 concentrate fully observed. NM M6/7 -0.8+0.25 ¼ obs. M4/5 -0.8+0.25 combined with the M6/7 M1/2/3 Scalp not observed.				