

DIATECH
Ph 61 8 9361 2596
Fx 61 8 9470 1504

File: 98-065.doc

HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354737

ASSESSMENT

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

NEGATIVE

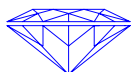
LOAM
15.20 kgs
20.6 grams
-2.0+0.25 mm
423

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Palest grey, worn translucent fragments.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Rare. Pale lavender blue tabular fragments, triangular markings, transparent, worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	20%		Dull, red-brown, the larger grains are pisolitic.
GARNET			Tr		1+0.25, almandine, very pale pink, vitreous, well worn.
GOLD					
GORCEIXITE					
HAEMATITE			Tr		Rare. Platy silvery-grey aggregates.
ILMENITE		Tr	Tr		Silvery-black, moderately worn to worn.
KYANITE			Tr		1+0.25, bladed, greyish, well worn.
LEUCOXENE		Tr	30%		Yellowish-beige, cream, rarely blue-grey, smooth, worn, opaque.
MAGNETITE					
MICA			Tr		1+0.25, dull greenish-brown flake.
MN OXIDE					
MONAZITE			Tr		Rare. Near spherical, resinous smooth surfaces, red-orange, mottled.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Strong silvery-black lustre, elongate, coarsely striate but quite worn.
SIDERITE			Tr		Beige-yellow, elongate, translucent, finely striate.
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	50%		Black-brown, ovate to near spherical, well worn, smooth to finely frosted.
XENOTIME					
ZIRCON			Tr		Colourless, Fe-stained, near spherical, worn.

COMMENTS: Concentrate fully observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354738

ASSESSMENT

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

NEGATIVE

LOAM
16.18 kgs
10.4 grams
-2.0+0.25 mm
429

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Silvery-white, translucent, rounded, blue-grey tabular, with strong greasy lustre.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	99%	5%		Brown, red-brown, well rounded to dull earthy angular grains.
GARNET					
GOLD					
GORCEIXITE		Tr			Red-brown, smooth amorphous opaques.
HAEMATITE					
ILMENITE		Tr	Tr		Black, dull to silvery-black, tabular, angular to quite rounded.
KYANITE					
LEUCOXENE			40%		Beige, brown, grey, subangular, tabular, polished after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Orange-brown, opaque, rounded with resinous lustre.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Orange-red, translucent, semi-metallic lustre.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		1%	55%		Black, brown, green, smooth, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, transparent, rounded with Fe-staining.
ROCK FRAGMENTS					

COMMENTS: Concentrate fully observed.

Observed J.D.

by:

Date: Oct. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354739

ASSESSMENT

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

NEGATIVE

LOAM
12.98 kgs
9.9 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			Tr		Rare. Pearly-grey, worn subangular grains, translucent.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	10%		Red-brown, pisolitic, smooth.
GARNET					
GOLD					
GORCEIXITE			Tr		Rare. Red-brown, resinous, opaque, well worn.
HAEMATITE					
ILMENITE		Tr	2%		Worn, dull, silvery-black subhedra.
KYANITE					
LEUCOXENE		Tr	44%		Yellowish-beige, tan, porcelain-like, mostly after ilmenite, worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Resinous, red-orange, cream-red, smooth, opaque, worn.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	44%		Abundance of near spherical black-brown grains, reworked, one of the +0.4mm grains is subangular.
XENOTIME					
ZIRCON			Tr		Rare. Colourless but Fe-stained, ovate to near spherical, reworked.

COMMENTS: Concentrate fully observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354740

ASSESSMENT

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

NEGATIVE

LOAM
13.94 kgs
26.9 grams
-2.0+0.25 mm
423

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		1+0.25, near spherical, slightly brownish, granular, soft, weathered.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Rare. Pearly-grey, orange-yellow, worn dull subhedra.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	25%		Dark red-brown, smooth, pisolitic, smaller grains are dull, earthy.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Dull moderately worn subhedra, often tabular, silvery-black.
KYANITE			Tr		Rare. Tabular blades, well worn, colourless but Fe-stained.
LEUCOXENE			35%		Yellow-beige, cream, rarely grey-green, smooth, worn, mostly after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Pale orange, near spherical, resinous, smooth, opaque.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, silvery-black, well worn, reworked grains.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	40%		Black-brown, well rounded reworked grains.
ZIRCON			Tr		Very rare. Colourless but Fe-stained, ovate to near spherical, reworked.

COMMENTS: Concentrate fully observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354741

ASSESSMENT

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

NEGATIVE

LOAM
16.10 kgs
38.7 grams
-2.0+0.25 mm
423

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		2+0.25, black, one is dull, smooth to slightly pitted, well rounded subhedra, the other is subhedra, more coarsely pitted, moderately worn.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Very rare. Golden yellow, grey-blue, anhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	40%		Red-brown, yellow-brown, dull, pisolitic to more fragmented, often quartz studded.
GARNET					
GOLD					
GORCEIXITE			Tr		Very rare. Orange-brown, dull amorphous opaques.
HAEMATITE					
ILMENITE		Tr	Tr		Very rare. Dull silvery-black, subhedral, moderately worn.
KYANITE					
LEUCOXENE		Tr	30%		Beige, creamy beige, grey, grey-blue, dull to subporcelain-like rounded opaques.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Very rare. Pale pink, creamy orange, cream, near spherical sub-resinous opaques.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Very rare. Orange-red rounded anhedral.
SIDERITE			Tr		Very rare. Brownish-beige translucent subhedra.
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	30%		Black-brown near ovate to near spherical translucent grains.

COMMENTS: Concentrate fully observed.

Observed B.G.

by:

Date: Oct. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354742

ASSESSMENT

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

NEGATIVE

LOAM
14.42 kgs
48.8 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		Tr	Tr		Blue/orange-brown, beige, greyish-beige, orange, tabular subhedra to quite granular and rounded.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	25%		Brown, red-brown, dull, earthy and fragmented to more pisolitic in the larger fractions.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black subhedra, moderately worn.
KYANITE					
LEUCOXENE		Tr	35%		Grey, beige, generally dull, tabular to quite rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Very rare. Orange-brown dull near spherical opaques.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Very rare. orange-red, moderately worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	40%		Black-brown, near spherical translucent grains.
XENOTIME					
ZIRCON			Tr		Very rare. Colourless, reddish-brown, anhedral, rounded.

COMMENTS: Concentrate fully observed.

Observed by: B.G.

Date: Oct. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354743

ASSESSMENT

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

NEGATIVE

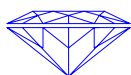
LOAM
14.08 kgs
50.5 grams
-2.0+0.25 mm
423

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr	1+0.25,	worn weathered octahedra, smooth matt black sheen.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Rare, grey-blue, well worn, semi-opaque.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr	1+0.25,	tabular lavender-blue fragment, transparent, vitreous.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	60%		Larger grains are pisolitic, the small pieces are more earthy, fragmented; red-brown, brown.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			5%		Silvery-black, worn tabular subhedra.
KYANITE					
LEUCOXENE		Tr	20%		Beige, cream, greyish, smooth porcelain-like grains, worn, probably after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare. Dark cherry red with a silvery lustre, well worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	15%		Black-brown, brown, smooth well rounded grains, reworked.
ZIRCON			Tr		Rare. Colourless but Fe-stained, near spherical reworked grains.

COMMENTS: Concentrate fully observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354744

ASSESSMENT

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

NEGATIVE

LOAM
12.92 kgs
23.6 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					

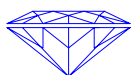
OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Ice-blue, grey-blue, subhedral, translucent to rounded, opaque, granular.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	40%		Brown, red-brown, rounded to dull earthy fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, tabular, angular to quite rounded.
KYANITE					
LEUCOXENE		Tr	10%		Beige, cream, rounded, angular opaques, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, rounded, opaque with semi-metallic lustre.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	50%		Black, brown, orange, well rounded.
XENOTIME					
ZIRCON			Tr		Honey brown, pale orange, transparent to translucent ovate grains.

COMMENTS: Concentrate fully observed.

Observed J.D.

by:

Date: Oct. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354745

ASSESSMENT

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

NEGATIVE

LOAM

15.74 kgs

33.1 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					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AI SILICATES			Tr		Very rare. Colourless, transparent rounded anhedral.
ANATASE			Tr		Very rare. Blue-grey, cream, golden, yellow, platy, subhedral and translucent to more rounded and opaque.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	20%		Red-brown, brown, orange-brown, dull, subangular to sub-rounded, pisolitic in the larger fractions, often quartz studded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Very rare. Dull to brighter silvery-black subhedra, moderately worn.
KYANITE					
LEUCOXENE		Tr	30%		Beige, grey-blue, greyish-brown, grey-green, rounded to more tabular, dull to subporcelain-like surface.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Very rare. Orange, sub-resinous well rounded opaques.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Very rare. Red, silvery-black, well rounded anhedral.
SIDERITE			Tr		Very rare. Orange crystal aggregates.
STAUROLITE			Tr		Very rare. Orange-brown, rounded, translucent.
TOURMALINE		Tr	50%		Black-brown, brown, near spherical translucent grains.
ZIRCON			Tr		Very rare. Colourless, Fe-stained, orange, orange-brown, ovate, transparent to translucent.

COMMENTS: Concentrate fully observed.

Observed by: B.G.

Date: Oct. 1998.



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File: 98-065.doc

HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354746

ASSESSMENT

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

NEGATIVE

STREAMSED
22.50 kgs
459.3 grams
-2.0+0.25 mm
429

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		2+0.25, Black, dull, one is a well rounded euhedral grain, very finely pitted, the other is anhedral, more coarsely pitted.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE		Tr	Tr		Very rare. Yellow, grey, blue, platy to quite rounded anhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	45%		Red-brown, orange-brown, purple-brown, fragmented and earthy to pisolitic in the larger fractions.
GARNET			Tr		1+0.25, spessartine, pale pink, rounded subhedral grain.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Dull silvery-black sub/anhedral, moderately worn.
KYANITE					
LEUCOXENE		Tr	20%		Grey-green, beige, dull to subporcelain-like sub/anhedral, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Very rare. Orange, sub-resinous well rounded opaques.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Very rare. Orange-red, cherry red, rounded, anhedral.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	35%		Black-brown, brown, near spherical.
XENOTIME					
ZIRCON			Tr		Orange-brown, orange, colourless, ovate translucent grains.

COMMENTS: Concentrate fully observed.

Observed by: B.G.

Date: Oct. 1998.



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File: 98-065.doc

HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354747

ASSESSMENT

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

POSS KIMB

STREAMSED
22.76 kgs
364.4 grams
-2.0+0.25 mm
429

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr	1+0.25,	near spherical, fine frosted surface, weathered.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE		Tr	Tr		Yellow, pearly grey, moderately fresh, often as tabular subhedra.
APATITE					
BARITE	Tr	5%	Tr		Creamy white, soft, granular, moderately worn.
CALCITE					
CASSITERITE					
CORUNDUM		Tr	Tr		Pale blue, lavender blue, vitreous, worn, transparent.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	65%	Tr		Red-brown, pisolitic, smooth.
GARNET					
GOLD					
GORCEIXITE		Tr	Tr		Orange, amorphous, resinous sheen, opaque.
HAEMATITE					
ILMENITE	Tr	30%	95%		Silvery-black, moderately worn subhedra.
KYANITE					
LEUCOXENE	Tr	Tr	Tr		Beige, tan, cream, moderately worn to worn, mainly after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Smooth, resinous, opaque, red-orange.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Dark cherry red, well worn, strong silvery-black lustre.
SPHENE					
SPINEL					
STAUROLITE	Tr				1+0.8, orange-brown, well worn, translucent.
SULPHIDES					
TOURMALINE	Tr	Tr	3%		Black-brown, well rounded, reworked.
ZIRCON		Tr	2%		Abundance of euhedra, broken euhedra, moderately worn; colourless, orange, yellow, rarely dark orange, most have vesicular inclusions.

COMMENTS: -2.0+0.8 concentrate fully observed.

-0.8+0.25 concentrate magnetically separated.

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

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 not obs.
M1/2/3 Scalp not observed.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354748

ASSESSMENT

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

POSS KIMB

STREAMSED
26.90 kgs
232.4 grams
-2.0+0.25 mm
429

	%	%	%	
KEY MINERALS	+0.8	+0.4	+0.25	mm BRIEF DESCRIPTION
DIAMOND				
PYROPE				
CHROMITE/CR SPINEL			Tr	1+0.25 (in ½ split) silvery-black, well rounded with granular fracture. Poss kimb.
CHROME DIOPSIDE				
PICROILMENITE				
PHLOGOPITE				
OTHER				

	%	%	%	
OTHER MINERALS	+0.8	+0.4	+0.25	mm BRIEF DESCRIPTION
AMPHIBOLE				
ANATASE		Tr	Tr	Blue-grey, golden yellow, translucent to opaque, tabular, subhedral to granular, rounded.
APATITE				
BARITE	Tr	5%	Tr	White, colourless, cream, blocky, tabular, frosted to granular rounded grains, etched.
CALCITE				
CASSITERITE				
CORUNDUM			Tr	Blue, tabular, transparent vitreous grains.
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	60%	20%	Brown, red-brown, dull, rounded.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE	Tr	35%	80%	Silvery-black, tabular, angular with high metallic lustre to more rounded frosted grains, some grains partly leucoxenised.
KYANITE				
LEUCOXENE			Tr	Grey, beige, opaque, after ilmenite.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE			Tr	Orange-brown, brown, well rounded opaques.
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE		Tr	Tr	Orange-red, cherry red, black, rounded with semi-metallic lustre.
SPHENE				
TOURMALINE		Tr	Tr	Brown, black, well rounded.
ZIRCON		Tr	Tr	Colourless, honey brown, pale pink, yellow, red, euhedra, broken euhedra vitreous with vesicular inclusions to rounded frosted translucent grains.

COMMENTS: -2.0+1.2 fully obs.

Observed J.D.
by:

NM		-1.2+0.25 concentrate magnetically separated.	Date: Oct. 1998.
		-1.2+0.25 fully obs.	
	M6/7	-1.2+0.8 fully obs, -0.8+0.25 ½ obs.	
	M4/5	-1.2+0.4 fully obs, -0.4+0.25 1/8 obs.	
	M1/2/3	Scalp not observed.	



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354749

ASSESSMENT

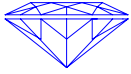
Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

STREAMSED
21.04 kgs
16.2 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					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Golden yellow, blue-grey, translucent to opaque.
APATITE					
BARITE			Tr		White, elongate, frosted with deep etching.
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Colourless/blue, rounded, tabular with black inclusions.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	70%	40%		Brown, red-brown, tan, dull, rounded, angular.
GARNET					
GOLD					
GORCEIXITE		Tr	Tr		Red-brown, amorphous opaques.
HAEMATITE					
ILMENITE		30%	55%		Silvery-black, tabular and heavily grooved, subangular, blocky with high metallic lustre to more dull rounded, also some partly leucoxenised.
KYANITE					
LEUCOXENE		Tr	Tr		Brown, grey, beige, cream.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Honey brown, creamy yellow, opaque, well rounded, dull to resinous lustre.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Orange-red, vitreous subhedra.
SPHENE					
SPINEL					
TOURMALINE		Tr	5%		Black, brown, blue, well rounded, smooth to heavily pitted.
ZIRCON		Tr	Tr		Orange, colourless, honey brown, brown, pale peach, vitreous euhedra, also broken euhedra with vesicular inclusions to ovate and well rounded, translucent to opaque grains.
COMMENTS: Concentrate fully observed. <div> Observed by: J.D. </div>					



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354750

ASSESSMENT

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

NEGATIVE

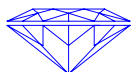
STREAMSED
23.18 kgs
348.51 grams
-2.0+0.25 mm
429

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		Tr	Tr		Beige, yellow, bluish-yellow, platy subhedra to rounded anhedral, moderately worn.
APATITE					
BARITE	Tr	15%	Tr		Creamy white, colourless to orange-toned, blocky, often tabular, some quite rounded, frosted, translucent to opaque, often saccharoidal, rarely vitreous, transparent.
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Pale blue, sky blue, colourless tinged blue, rounded, anhedral, transparent.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	40%	Tr		Red-brown, yellow-brown, dull, pisolitic.
GARNET					
GOLD					
GORCEIXITE			Tr		Orange, orange-brown, dull to sub-resinous, amorphous, translucent to opaque.
HAEMATITE					
ILMENITE	Tr	45%	100%		Silvery-black subhedra, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Tan, beige, grey-green, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Creamy peach, orange, well rounded resinous opaques, very rarely yellow, translucent.
PYROXENE					
RUTILE		Tr	Tr		Very rare. Red-black, orange, cherry red, elongate to more blocky, frosted, trans/subtranslucent.
STAUROLITE			Tr		Very rare. Orange rounded anhedral, transparent.
TOURMALINE	Tr	Tr	Tr		Black-brown, near spherical.
XENOTIME			Tr		1+0.25, grey-brown, blocky, translucent, moderately worn.
ZIRCON			Tr		Orange, pink, beige, brownish-beige, red, colourless, generally euhedral, transparent with fine vesicular inclusions, more rarely as near spherical to ovate translucent 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:	-2.0+0.8 fully obs.	Observed	B.G.
	-0.8+0.25 concentrate magnetically separated.	by:	Date: Oct. 1998.
	-0.8+0.25 fully obs.		
NM			
M6/7	-0.8+0.25 fully obs.		
M4/5	-0.8+0.25 not obs.		
M1/2/3	Scalp not observed.		



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354751

ASSESSMENT

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

NEGATIVE

STREAMSED
28.54 kgs
911.91 grams
-2.0+0.25 mm
429

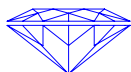
KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

% % %

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		Tr	Tr		Blue-grey, golden yellow, subhedral, translucent to opaque, rounded.
APATITE					
BARITE	Tr	Tr	Tr		White, blocky, tabular, frosted, also some rounded granular grains.
CALCITE					
CASSITERITE					
CORUNDUM		Tr	Tr		Colourless/blue, tabular, subhedral, some with black inclusions.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	40%	20%		Brown, red-brown, tan, dull, well rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	60%	80%		Silvery-black, blocky, angular with high metallic lustre to more rounded, frosted, some partly leucoxenised.
KYANITE					
LEUCOXENE			Tr		Beige, cream, brown, grey, after ilmenite, polished, angular to rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Red-black, black, cherry red, rounded opaques with semi-metallic lustre.
TOURMALINE		Tr	Tr		Black, brown, well rounded.
ZIRCON		Tr	Tr		Colourless, yellow, orange, pink, honey brown euhedra, broken euhedra, vitreous with vesicular inclusions to translucent, ovate, frosted.

COMMENTS:	-2.0++0.8 fully obs.	Observed	J.D.
	-0.8+0.25 concentrate magnetically separated.	by:	Oct. 1998
	-0.8+0.25 fully obs.		
NM			
M6/7	-0.8+0.25 ¼ obs.		
M4/5	-0.8+0.25 not obs.		
M1/2/3	Scalp not observed.		



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354752

ASSESSMENT

Type of sample

Head Weight

Conc Weight -1.2+0.25mm

Size fractions observed

Disc No

NEGATIVE

STREAMSED

19.06

kgs

186.37

grams

-2.0+0.25

mm

429

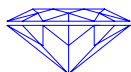
KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

% % %

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		Tr	Tr		Yellow, grey-blue, blue, platy, subhedral, moderately worn.
APATITE					
BARITE	Tr	2%	Tr		White to creamy white, colourless, blocky to more rounded, transparent to translucent, often frosted and etched, some are saccharoidal.
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Very rare. Colourless, greyish, blue, platy subhedra to more rounded, transparent.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	80%		Red-brown, yellow-brown, grey-black, dull, earthy, subangular to rounded, more pisolitic in the larger fractions.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	3%	15%		Silvery-black subhedra, bright metallic lustre, moderately worn.
KYANITE					
LEUCOXENE			Tr		Beige, creamy beige, grey-brown, dull to subporcelain-like surface.
MAGNETITE					
MICA					
MN OXIDE			Tr		Dull, grey-black, rounded.
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Very rare. Cherry red, silvery-black, reddish-black, rounded blocky anhedral.
TOURMALINE		Tr	5%		Black-brown, near spherical, translucent.
ZIRCON	Tr	Tr	Tr		Red, pink, beige, colourless, yellow, euhedral, transparent with fine vesicular inclusions, also well rounded anhedral grains.

COMMENTS:	-2.0+0.8 fully obs.	Observed	B.G.
	-0.8+0.25 concentrate magnetically separated.	by:	Date: Oct. 1998.
	-0.8+0.25 fully obs.		
NM			
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

354753

ASSESSMENT

Type of sample

Head Weight

Conc Weight -1.2+0.25mm

Size fractions observed

Disc No

NEGATIVE

STREAMSED

24.68

kgs

111.0

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		Tr	Tr		Blue-grey, golden yellow, ice blue, translucent to opaque, subhedral to rounded.
APATITE					
BARITE		Tr	Tr		White, tabular, frosted.
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Deep blue, pale blue, colourless, rounded vitreous grains.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	50%	25%		Brown, red-brown, dull, rounded.
GARNET					
GOLD					
GORCEIXITE		Tr	Tr		Red-brown, opaque amorphous grains.
HAEMATITE					
ILMENITE	Tr	45%	60%		Silvery-black, tabular, subangular, grooved with high metallic lustre to more dull rounded grains.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, cream, grey, polished angular grains.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Orange-brown, creamy brown, opaque, resinous well rounded grains.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Black, cherry red, rounded with semi-metallic lustre.
SPHENE					
SPINEL					
STAUROLITE					
TOURMALINE	Tr	5%	5%		Black, brown, well rounded.

ZIRCON		Tr	10%	Honey brown, colourless, pale pink, pale orange, euhedral, broken euhedral, transparent with vesicular inclusions to translucent to opaque, ovate, also well rounded.
COMMENTS: -2.0+0.8 fully obs.				Observed J.D.
				by: Date: Oct. 1998
NM	-0.8+0.25 concentrate magnetically separated.			
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

354754

ASSESSMENT

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

NEGATIVE

STREAMSED
17.42 kgs
967.55 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		Golden yellow, grey-blue, sky blue.
APATITE					
BARITE		Tr	Tr		White, colourless, cream, tabular, blocky to rounded, frosted, some etched, others granular.
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Blue, transparent, vitreous, blocky.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	90%		Brown, red-brown, dull, rounded, earthy.
GARNET			Tr		Almandine, candy pink, transparent, rounded.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	5%		Black, tabular, subangular, metallic lustre to more rounded frosted grains.
KYANITE					
LEUCOXENE			Tr		Beige, brown, grey, after ilmenite, polished, blocky, angular.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Red-black, cherry red, semi-metallic lustre, rounded.
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	5%	Brown, black, blue, smooth, well rounded.
XENOTIME				
ZIRCON			Tr	Colourless, honey brown, broken euhedra, vitreous to opaque, well rounded.
COMMENTS: -2.0+1.2 fully obs.				Observed J.D. by: Date: Oct. 1998.
	-1.2+0.25 concentrate magnetically separated.			
NM	-1.2+0.25 fully obs.			
M6/7	-1.2+0.25 fully obs.			
M4/5	-1.2+0.25 fully obs.			
M1/2/3	Scalp not observed.			



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354755

ASSESSMENT

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

NEGATIVE

STREAMSED
27.20 kgs
374.36 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			Tr		Very rare. Blue, tabular, subhedral.
APATITE					
BARITE	Tr	5%	45%		Colourless to orange-toned, white, tabular to more rounded, generally transparent to translucent, some are more etched and frosted, rarely saccharoidal and opaque.
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Very rare. Pale blue, rounded, mottled, transparent.
EPIDOTE	100%	95%	55%		Red-brown, yellow-brown, grey-black, dull, pisolitic.
FE OXIDE/HYDROXIDE					
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, subhedral, bright metallic lustre.
KYANITE					
LEUCOXENE			Tr		Beige, tan, dull to more polished opaques, rarely subhedral.
MAGNESITE			Tr		1+0.25, colourless transparent rounded grain.
MICA					
MN OXIDE					
MONAZITE			Tr		Very rare. Orange, sub-resinous, well rounded, opaque.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, reddish-black, rounded, anhedral.
SIDERITE			Tr		Very rare. Yellow-brown, translucent, platy.
SPINEL					
STAUROLITE					

SULPHIDES				
TOURMALINE		Tr	Tr	Black-brown, near spherical.
XENOTIME				
ZIRCON		Tr	Tr	Very rare. Colourless, beige, orange, sub/anedral, transparent to translucent.
COMMENTS: -2.0+0.8 fully obs.				Observed B.G.
-0.8+0.25 fully obs.				by: Date: Oct. 1998.
NM				
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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File: 98-065.doc

HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354756

ASSESSMENT

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

NEGATIVE

STREAMSED
21.23 kgs
32.41 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					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Greyish-beige, yellow, anhedral, trans/subtranslucent, moderately worn.
APATITE					
BARITE			Tr		Very rare. Beige, creamy white, sub-translucent to saccharoidal, rounded.
CALCITE					
CASSITERITE					
CORUNDUM			Tr		2+0.25, blue, mauvish-blue rounded anhedral, transparent, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	95%		Orange-brown, yellow-brown, brown, dull, earthy, subrounded.
GARNET			Tr		1+0.25, almandine, pale pink rounded transparent anhedral grain.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, dull subhedra, moderately worn.
KYANITE					
LEUCOXENE			Tr		Beige, grey-green, dull.
MAGNETITE					
MICA					
MN OXIDE			Tr		Dull, grey-black, nodular.
MONAZITE			Tr		Very rare. Orange well rounded resinous opaques.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Silvery-black anhedral, rounded.
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		Tr	5%	Black-brown, near spherical, translucent.
XENOTIME				
ZIRCON			Tr	Colourless/Fe-stained, beige, euhedra/broken euhedra, vitreous, transparent, rarely rounded anhedral grains.
COMMENTS: Concentrate fully observed.				Observed by: B.G. Date: Oct. 1998.



DIATECH
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Fx 61 8 9470 1504

File: 98-065.doc

HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354757

ASSESSMENT

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

NEGATIVE

STREAMSED
18.90 kgs
741.47 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					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Rare. Colourless to pale blue, vitreous, worn, transparent.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Dull, red-brown, pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Rare, well worn, silvery-black, dull.
KYANITE					
LEUCOXENE			Tr		Beige, cream, porcelain-like, worn, opaque.
MAGNETITE					
MICA					
MN OXIDE	Tr	Tr	Tr		Dull, grey-black to brownish-black nodules, soft.
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare. Dark cherry red with a strong semi-metallic lustre, well worn.
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		Tr	Tr	Black-brown, near spherical, well worn.
XENOTIME				
ZIRCON			Tr	Colourless, Fe-stained, well worn.
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+0.25 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

354758

ASSESSMENT

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

NEGATIVE

STREAMSED
23.46 kgs
126.09 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		Very rare. Greyish-beige, greyish-blue, colourless/blue, blue, sub/anhedra, trans/subtranslucent, moderately worn.
APATITE					
BARITE		Tr	Tr		Colourless, transparent to saccharoidal and near opaque, rounded to more tabular, moderately worn.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	97%		Orange-brown, yellow-brown, brown, dull.
GARNET					
GOLD					
GORCEIXITE		Tr	Tr		Creamy beige, orange, amorphous, dull to more resinous opaques.
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black subhedra, moderately worn.
KYANITE			Tr		1+0.25, colourless/Fe-stained, bladed, worn.
LEUCOXENE		Tr	Tr		Beige, creamy beige, dull.
MAGNETITE					
MICA			Tr		1+0.25, greenish-brown, flaky.
MN OXIDE					
MONAZITE			Tr		Very rare. Orange, pale creamy yellow, white, greyish-cream, peach near spherical resinous opaques.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Very rare. Cherry red, silvery-black, blocky anhedra.
SPHENE					

SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE		Tr	3%	Black-brown, near spherical.
UNKNOWN MINERAL		Tr	Tr	Green, opaque, near spherical, Al Si K Fe.
ZIRCON			Tr	Very rare. Colourless, orange, broken euhedra/anhedra, transparent to translucent, moderately worn to worn.
COMMENTS:	Concentrate fully observed.			Observed by: B.G. Date: Oct. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354759

ASSESSMENT

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

NEGATIVE

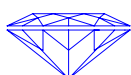
STREAMSED
51.58 kgs
265.70 grams
-2.0+0.25 mm
-

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		Deep blue, silvery grey, golden yellow, tabular, subhedral, translucent to opaque.
APATITE					
BARITE	Tr	Tr	Tr		White, cream, rounded, frosted, opaque.
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Rare. Palest blue, vitreous, rounded.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	98%		Brown, red-brown, dull, rounded, angular.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	Tr	1%		Silvery-black, tabular, angular, subhedra, rounded, high metallic lustre to more dull pitted, some grains partly leucoxenised.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, grey, after ilmenite, polished opaques.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Pale orange, opaque, well rounded with resinous lustre.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Black, red-black, rounded with semi-metallic lustre.

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

SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE		Tr	1%	Brown, black, well rounded.
ZIRCON		Tr	Tr	Pale pink, colourless, yellow, broken euhedra, vitreous with vesicular inclusions to more ovate grains, opaque.
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 fully obs, -0.4+0.25 ½ 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

354760

ASSESSMENT

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

NEGATIVE

STREAMSED
18.20 kgs
61.60 grams
-2.0+0.25 mm
429

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

OTHER MINERALS	%	%	%	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25	
AMPHIBOLE				
ANATASE		Tr	Tr	Very rare. Beige, grey, blue/sky blue, yellow, platy subhedra, also rare platy aggregates.
APATITE				
BARITE				
CALCITE				
CASSITERITE				
CORUNDUM				
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	100%	75%	Yellow-brown, red-brown, dull, subrounded to well rounded.
GARNET				
GOLD				
GORCEIXITE		Tr	Tr	Very rare. Cream, amorphous, dull, opaque.
HAEMATITE				
ILMENITE	Tr	Tr	5%	Silvery-black, bright lustre to more dull, greyish-black, subhedral, moderately worn.
KYANITE				
LEUCOXENE			Tr	Grey, beige, dull.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE			Tr	Creamy yellow, orange-brown, creamy orange, near spherical resinous opaques.
PHOSPHATES				
PREHNITE				
PYROXENE				

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

RUTILE			Tr	Very rare. Cherry red, rounded, anhedral.
SPHENE				
SPINEL				
STAUROLITE				
TOURMALINE		Tr	20%	Black-brown, near spherical grains.
ZIRCON			Tr	Colourless, beige, pinkish-beige, orange, generally euhedral transparent grains with fine vesicular inclusions, very rarely well rounded anhedral.
COMMENTS: Concentrate fully observed.				Observed by: B.G. Date: Oct. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354761

ASSESSMENT

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

NEGATIVE

STREAMSED
23.10 kgs
4.52 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		1+0.25, forest green, lath-like, moderately worn.
ANATASE					
APATITE					
BARITE	Tr	Tr	Tr		Very rare. Beige, platy, translucent, moderately worn.
CALCITE					
CASSITERITE					
CORUNDUM			Tr		1+0.25, grey, transparent, subangular.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	97%	55%		Yellow-brown, red-brown, grey-black, dull, often earthy, rounded.
GARNET					
GOLD					
GORCEIXITE	Tr	Tr	Tr		Dull creamy amorphous opaques.
HAEMATITE					
ILMENITE		Tr	10%		Silvery-black subhedra, often with leucoxenised coatings.
KYANITE					
LEUCOXENE			5%		Dull, beige, creamy beige, opaque.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Grey, orange, cream, well rounded, resinous opaques.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					

SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE		3%	30%	Black-brown, rarely coloured, near spherical grains.
XENOTIME	Tr			1+0.8, dull creamy rounded opaque.
ZIRCON		Tr	Tr	Rare. Beige, colourless, orange, yellow, generally well rounded anhedral, translucent.
COMMENTS:	Concentrate fully observed.			Observed by: B.G. Date: Oct. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354762

ASSESSMENT

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

NEGATIVE

STREAMSED
22.44 kgs
1431.53 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					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Very rare. Beige, grey, platy, subhedral, transparent, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Brown, orange-brown, yellow-brown, grey-black, dull, sub-rounded to well rounded.
GARNET					
GOLD					
GORCEIXITE		Tr	Tr		Orange-brown, yellow amorphous opaques.
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black sub/anhedral, moderately worn to worn.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, creamy beige dull opaques.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Very rare. Orange near spherical resinous opaques.
PHOSPHATES					
PREHNITE					
PYROXENE					

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

RUTILE				
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE			Tr	Black-brown, rarely coloured near spherical grains.
UNKNOWN MINERAL			Tr	Dull olive green anhedral opaques, Al Si K Fe.
ZIRCON		Tr	Tr	Very rare. Orange, colourless, dull to more vitreous sub/anhedra, transparent to translucent, moderately worn.
COMMENTS:	-2.0+0.8 fully obs.			Observed B.G.
	-0.8+0.25 concentrate magnetically separated.			by: Date: Nov. 1998.
NM	-0.8+0.25 fully obs.			
M6/7	-0.8+0.25, 1/16 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

354763

ASSESSMENT

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

PROB KIMB

STREAMSED
24.82 kgs
12.99 grams
-2.0+0.25 mm
429

KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		2+0.25, black, smooth, well rounded grains with granular fracture.
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%	60%	5%		Brown, red-brown, dull, rounded, angular fragments.
GARNET			Tr		Almandine, candy pink, rounded, pitted, vitreous.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		20%	80%		Silvery-black, tabular, subhedral, sharp, angular to rounded, high metallic lustre to more dull, frosted, pitted, some partly leucoxenised.
KYANITE					
LEUCOXENE			5%		Cream, beige, after ilmenite, polished opaques.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Pale honey brown, opaque with resinous lustre.
PHOSPHATES					

PREHNITE				
PYROXENE				
RUTILE				
SPHENE				
SPINEL				
STAUROLITE				
TOURMALINE		20%	Tr	Black, brown, well rounded.
ZIRCON		Tr	10%	Cream, orange, pale peach, honey brown, colourless, broken euhedral ovate to well rounded, vitreous, transparent to frosted opaque.
COMMENTS:	Concentrate fully observed.			Observed by: J.D. Date: Oct. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354764

ASSESSMENT

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

PROB KIMB

STREAMSED
21.40 kgs
13.74 grams
-2.0+0.25 mm
429

KEY MINERALS	% +0.8	% +0.4	% +0.25	BRIEF DESCRIPTION
DIAMOND				
PYROPE				
CHROMITE/CR SPINEL			Tr	1+0.25, black smooth well rounded grain with granular fracture.
CHROME DIOPSIDE				
PICROILMENITE				
PHLOGOPITE				
OTHER				

OTHER MINERALS	% +0.8	% +0.4	% +0.25	BRIEF DESCRIPTION
AMPHIBOLE				
ANATASE			Tr	Ice blue, golden yellow, translucent subhedral grains.
APATITE				
BARITE				
CALCITE				
CASSITERITE				
CORUNDUM			Tr	Deep blue, transparent, tabular, rounded.
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	75%	40%	Brown, red-brown, tan, dull, rounded.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE		Tr		Black, specular, foliaceous crystals.
ILMENITE		20%	40%	Silvery-black, tabular, angular.
KYANITE				
LEUCOXENE			Tr	Cream, brown, beige, opaque.
MAGNETITE				
MICA				
MN OXIDE		Tr		Grey-black, dull, angular.
MONAZITE			Tr	Orange-brown, honey brown, well rounded, opaque with resinous lustre.
PHOSPHATES				

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

PREHNITE				
PYROXENE				
RUTILE				
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE		5%	20%	Black, brown, orange, well rounded, smooth to heavily pitted.
XENOTIME				
ZIRCON		Tr	Tr	Pale pink, colourless, honey brown, yellow-orange, broken subhedra to well rounded.
COMMENTS:	Concentrate fully observed.			Observed by: J.D. Date: Oct. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354765

ASSESSMENT

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

NEGATIVE

STREAMSED
20.40 kgs
124.50 grams
-2.0+0.25 mm
-

	% +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			Tr		Silvery-grey, yellow-green, grey-blue, golden yellow, tabular, transparent to translucent, also more rounded opaque granular grains.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	98%	40%		Brown, red-brown dull rounded angular earthy grains.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	2%	45%		Silvery-black, subangular, tabular, grooved, mostly dull and pitted, some partly leucoxenised.
KYANITE					
LEUCOXENE			Tr		Cream, beige, after ilmenite, polished, angular.
MAGNETITE					
MICA					
MN OXIDE		Tr	Tr		Dull grey-black, angular opaques.

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			Tr	Pale peach, orange, opaque, well rounded with resinous lustre.
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE			Tr	Cherry red, translucent rounded smooth surface with vitreous lustre.
SPINEL				
TOURMALINE		Tr	15%	Black, brown, pale green, well rounded, frosted.
ZIRCON		Tr	Tr	Colourless, yellow, honey brown, broken euhedra, vitreous, transparent with vesicular inclusions to rounded opaque grains.
COMMENTS: Concentrate fully observed.				Observed by: J.D. Date: Nov. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354766

ASSESSMENT

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

NEGATIVE

STREAMSED
25.10 kgs
14.37 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			Tr		Blue-grey, rare, tabular subhedra with a pearly lustre, translucent, some transparent, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	50%		Pisolitic, red-brown.
GARNET					
GOLD					
GORCEIXITE		Tr			Red-brown, resinous, well worn, opaque.
HAEMATITE					
ILMENITE	Tr	3%	15%		Silvery-black, moderately worn subhedra.
KYANITE			Tr		1+0.25, colourless, tabular, transparent, worn.
LEUCOXENE		Tr	Tr		After ilmenite, beige, tan, brown.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Creamy orange, orange, well rounded near spherical grains, smooth resinous surface, opaque.

PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE			Tr	Rare, dark cherry red to silvery-black, well worn, pitted, strong semi-metallic lustre.
STAUROLITE			Tr	Rare. Honey brown to orange-brown, well worn with small black inclusions, transparent.
TOURMALINE		2%	35%	Black-brown, near spherical, translucent to transparent, smooth to frosted.
ZIRCON		Tr	Tr	Rare. Colourless, often Fe-stained, broken euhedra, moderately worn, small vesicular inclusions, others are yellow, orange, ovate to near spherical reworked grains.
COMMENTS:	Concentrate fully observed.			Observed L.F. by: Date: Oct. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354767

ASSESSMENT

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

POSS KIMB

STREAMSED
18.50 kgs
76.43 grams
-2.0+0.25 mm
430

KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		1+0.25, black, rounded subhedra, dull, finely frosted. The probed grain shattered into crumbs.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Colourless with hint of blue, blocky, frosted.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	99%	90%		Brown, red-brown, tan, dull, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE			Tr		Shiny black specular foliaceous aggregates.
ILMENITE	Tr	1%	5%		Silvery-black, tabular, blocky to rounded, grooved, high metallic lustre to heavily pitted, some grains partly leucoxenised.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, brown, after ilmenite, polished, angular to rounded opaques.
MAGNETITE					
MICA					

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				
MONAZITE			Tr	Pale orange, brown, opaque, smooth well rounded grains with resinous lustre.
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE				
SPHENE				
SPINEL				
TOURMALINE		Tr	5%	Black, brown, well rounded, frosted.
ZIRCON			Tr	Colourless, honey brown, pale orange, broken euhedra, transparent, vitreous with vesicular inclusions to more ovate, translucent to opaque.
COMMENTS:	Concentrate fully observed.			Observed by: J.D. Date: Nov. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354768

ASSESSMENT

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

NEGATIVE

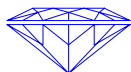
STREAMSED
24.02 kgs
783.24 grams
-2.0+0.25 mm
430

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

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr	Rare. Blue-grey, opaque, rounded.	
APATITE					
BARITE		Tr	Tr	White, tabular, rounded, transparent to opaque, frosted, some grains heavily etched and pitted.	
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%	Brown, red-brown, dull, rounded.	
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE		Tr		Black, shiny, micaceous aggregates.	
ILMENITE		Tr	Tr	Silvery-black, tabular, subangular to more rounded.	
KYANITE					
LEUCOXENE		Tr	Tr	Grey, beige, after ilmenite, polished opaques.	
MAGNETITE					
MICA			Tr	Colourless transparent flakes.	
MN OXIDE					

MONAZITE			Tr	Orange-brown, opaque, well rounded with resinous lustre.
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE				
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE		Tr	Tr	Brown, black, orange, well rounded.
XENOTIME				
ZIRCON			Tr	Honey brown, orange, translucent to opaque ovate grains.
COMMENTS:	-2.0+0.8 fully obs.			Observed J.D.
	-0.8+0.25 concentrate magnetically separated.			by: Date: Nov. 1998.
NM	-0.8+0.25 fully obs.			
M6/7	-0.8+0.25 ½ 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

354769

ASSESSMENT

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

POSS KIMB

STREAMSED
22.44 kgs
140.80 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, 2+0.25, the larger grain is euhedral, worn, possibly with a worn bevel, dull matt sheen, the smaller grains are more rounded, one is near spherical. (1+0.25 is poss kimb)
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
Al SILICATES			Tr		Rare. Elongate needle-like crystals, colourless, moderately worn.
ANATASE			Tr		Rare. Grey-blue, mottled grains, moderately fresh subhedra, translucent, pearly lustre.
APATITE					
BARITE	Tr	Tr	Tr		Colourless, Fe-stained to a faint orange, worn, translucent.
CALCITE			Tr		Cream, fine aggregates, translucent.
CASSITERITE	Tr	Tr	Tr		Red-orange, orange/black, well worn, translucent, slightly metallic sheen.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	50%	8%		Red-brown, dull pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	50%	90%		Silvery-black, bright moderately worn subhedra, some very well worn, rounded, pitted.
KYANITE					

LEUCOXENE		Tr	Tr	Cream, beige, often granular and dull.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE		Tr	Tr	Pale orange, opaque, others are yellow and translucent, both are worn, smooth.
RUTILE			Tr	Dark cherry red, silvery-black, well worn, pitted, translucent to opaque.
TOURMALINE	Tr	Tr	2%	Black-brown, near spherical translucent grains, smooth to frosted.
ZIRCON		Tr	Tr	Colourless, yellow, orange, reddish; most are broken euhedral crystals with small vesicular inclusions, others are ovate, frosted, worn.
COMMENTS: -2.0+0.8 concentrate fully observed. -0.8+0.25 concentrate magnetically separated. -0.8+0.25 fully obs. NM M6/7 -0.8+0.25 fully obs. M4/5 -0.8+0.4 fully obs, -0.4+0.25 1/16 obs. M1/2/3 Scalp not observed.				
				Observed L.F. by: Date: Nov. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354770

ASSESSMENT

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

NEGATIVE

STREAMSED
20.76 kgs
34.40 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					
APATITE					
BARITE	Tr	Tr	Tr		Very rare. Dull, cream, globular, opaque.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	95%		Orange-brown, yellow-brown, red-brown, dull, earthy, fragmented to pisolitic in the larger fractions.
GARNET					
GOLD					
GORCEIXITE	Tr	Tr	Tr		Cream, red-brown, peach, amorphous, sub-resinous to dull, opaque.
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, subhedral, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, creamy beige, grey, dull.
MAGNETITE					
MICA					

MN OXIDE				
MONAZITE		Tr	Tr	Beige, brown, orange-brown, peach, orange, cream, resinous to sub-resinous opaques, well rounded.
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE			Tr	Very rare. Cherry, blocky, broken, subhedral, rounded.
SPHENE				
SPINEL				
TOURMALINE		Tr	5%	Black-brown, rarely coloured, near spherical.
XENOTIME				
ZIRCON			Tr	Yellow-beige, orange-brown, orange, colourless/Fe-stained, ovate, translucent.
ROCK FRAGMENTS		Tr	Tr	Quartz/Fe-oxide composites.
COMMENTS: Concentrate fully observed.				Observed by: B.G. Date: Nov. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354771

ASSESSMENT

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

NEGATIVE

STREAMSED
29.84 kgs
144.27 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	Tr		Grey-blue, yellow, beige, platy subhedra, moderately worn.
APATITE					
BARITE	Tr	Tr	Tr		Colourless, blocky, tabular, transparent to translucent, moderately worn.
CALCITE					
CASSITERITE		Tr	Tr		Very rare. Orange, orange/beige, rounded anhedral.
CORUNDUM			Tr		1+0.25, blue, subrounded, transparent.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	35%	3%		Yellow-brown, brown, red-brown, dull.
GARNET		Tr	Tr		Very rare. Orange-pink, blocky subangular fragments.
GOLD					
GORCEIXITE	Tr	Tr	Tr		Cream, orange, creamy peach.
HAEMATITE	Tr				1+0.8, silvery-black, finely aggregated.
ILMENITE	Tr	60%	97%		Silvery-black subhedra, often quite blocky, frosted, moderately worn.
KYANITE					
LEUCOXENE			Tr		Blue-grey, beige, creamy beige, tan, dull to more polished, after ilmenite.
MAGNETITE					

MICA				
MONAZITE		Tr	Tr	Orange, yellow-orange, orange-brown, near spherical resinous opaques, rarely bright yellow-orange translucent grains.
PYROXENE		Tr	Tr	Yellow-brown ragged laths, moderately worn.
RUTILE	Tr	Tr	Tr	Very rare. Cherry red, reddish-brown, silvery-black, blocky rounded anhedral, moderately worn.
TOURMALINE	Tr	5%	Tr	Commonly black-brown near spherical grains, rarely more angular and blocky, moderately fresh.
XENOTIME		Tr		1+0.4, broken subhedral grain, yellow-brown, translucent, moderately worn.
ZIRCON		Tr	Tr	Orange, colourless/Fe-stained, yellow, beige, euhedral, vitreous, included; also near spherical and ovate grains, translucent.
ROCK FRAGMENTS	Tr	Tr	Tr	Pyroxene composites.
COMMENTS: -2.0+0.8 fully obs.				Observed by: B.G.
-0.8+0.25 concentrate magnetically separated.				Date: Nov. 1998.
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 1/16 obs.			
M1/2/3	Scalp not observed.			



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354772

ASSESSMENT

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

NEGATIVE

STREAMSED
25.02 kgs
93.79 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					
APATITE					
BARITE	Tr	3%	2%		White, colourless, blocky, tabular, rounded, frosted with some deeply etched.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	85%	58%		Brown, red-brown, rounded, dull, earthy.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE		Tr			Black micaceous aggregates.
ILMENITE		10%	25%		Iron black, silvery-black, subangular, tabular, grooved with metallic lustre to more rounded grains, pitted, frosted.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					

MN OXIDE				
MONAZITE			Tr	Orange-brown, pale orange, opaque, well rounded.
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE				
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE		2%	15%	Black, brown, well rounded.
XENOTIME				
ZIRCON			Tr	Orange, honey brown, colourless, transparent to opaque, frosted ovate to well rounded.
COMMENTS:	Concentrate fully observed.			Observed by: J.D. Date: Nov. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354773

ASSESSMENT

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

PROB KIMB

STREAMSED
24.26 kgs
294.91 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, smooth well rounded grains.	
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

	%	%	%		
OTHER MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr	Pale grey-blue, often as tabular subhedra, pearly lustre, moderately fresh to moderately worn.	
APATITE					
BARITE		Tr	Tr	Colourless, etched, translucent, blocky.	
CALCITE					
CASSITERITE					
CORUNDUM			Tr	Rare. Colourless/blue mottled, rarely pale pink, some lavender; well worn, sub-rounded, quite vitreous, transparent.	
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	50%	Tr	Pisolitic, yellow-brown, red-brown.	
GARNET		Tr		Almandine, 2+0.4, pale pink, worn, etched, transparent.	
GOLD					
GORCEIXITE		Tr	Tr	Red-brown, resinous, well worn amorphous opaques.	
HAEMATITE		Tr		Silvery-grey finely granular aggregates with reddish tints.	
ILMENITE	Tr	50%	97%	Bright silvery-black, blocky subhedra to quite platy, some grains are well rounded, pitted.	
KYANITE					
LEUCOXENE			Tr	Cream, beige, dull to polished, granular to platy, after ilmenite.	

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

MAGNETITE				
MICA				
MN OXIDE				
MONAZITE			Tr	Red-orange, cream, creamy orange, resinous near spherical grains, opaque.
PHOSPHATES				
PREHNITE				
PYROXENE			Tr	Pale brown, moderately fresh jagged laths, translucent.
RUTILE		Tr	Tr	Mostly silvery-black, also dark cherry red, mostly well worn, reworked, some are less worn, elongate.
STAUROLITE		Tr		1+0.4, worn, orange-brown, small black inclusions.
TOURMALINE	Tr	Tr	2%	Black-brown, well rounded, reworked grains.
ZIRCON		Tr	1%	Colourless, yellow, orange, red-orange, red; elongate prismatic broken euhedra with small vesicular inclusions, also many ovate to near spherical frosted grains.
COMMENTS:	-2.0+0.8 concentrate fully observed.			Observed L.F.
	-0.8+0.25 concentrate magnetically separated.			by: Date: Nov. 1998.
	-0.8+0.25 fully obs.			
NM				
M6/7	-0.8+0.25 fully obs.			
M4/5	-0.8+0.4 fully obs, -0.4+0.25 not obs.			
M1/2/3	Scalp not observed.			



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354774

ASSESSMENT

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

NEGATIVE

STREAMSED
20.28 kgs
305.53 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					

	%	%	%		
OTHER MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Blue-grey, subhedral, rounded, opaque.
APATITE					
BARITE		Tr	Tr		White, blocky to rounded, frosted with some heavily etched.
CALCITE					
CASSITERITE			Tr		Colourless with hint of blue, elongate sharp angular grains.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	30%	5%		Brown, red-brown, well rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		65%	95%		Silvery-black, tabular, subangular, rounded, high metallic lustre to more frosted, some partly leucoxenised.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, brown after ilmenite, angular polished grains.
MAGNETITE					

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

MICA				
MN OXIDE				
MONAZITE		Tr	Tr	Red-brown, yellow, orange, resinous lustre, translucent to opaque, subhedral to well rounded.
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE		Tr		Red-brown, rounded, opaque with semi-metallic lustre.
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE		5%	Tr	Black, brown, well rounded.
ZIRCON		Tr	Tr	Orange, honey brown, colourless, yellow, pale pink broken euhedra, vitreous with vesicular inclusions, ovate to well rounded frosted opaques.
COMMENTS:	-2.0+0.8 fully obs.			Observed J.D.
	-0.8+0.25 concentrate magnetically separated.			by: Date: Nov. 1998.
	-0.8+0.25 fully obs.			
NM				
M6/7	-0.8+0.25 fully obs.			
M4/5	-0.8+0.25, 1/16 split.			
M1/2/3	Scalp not observed.			



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354775

ASSESSMENT

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

NEGATIVE

STREAMSED
27.22 kgs
125.77 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			Tr		Silvery-grey, ice blue, translucent, tabular, subhedral.
APATITE					
BARITE		Tr			White, colourless, blocky, tabular, rounded, frosted, some heavily etched.
CALCITE					
CASSITERITE			Tr		Bright red, rounded with adamantine lustre.
CORUNDUM		Tr			Blue, subhedral, transparent.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	60%	25%		Brown, red-brown, rounded, earthy.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	30%	50%		Silvery-black, tabular, subangular, grooved, high metallic lustre to more rounded, pitted, frosted.
KYANITE					

LEUCOXENE				
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE		Tr	Tr	Pale orange, yellow, honey brown, smooth well rounded opaques with resinous lustre, rarely subhedral.
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE				
SPHENE				
SPINEL				
STAUROLITE				
TOURMALINE		10%	25%	Black, brown, well rounded.
XENOTIME				
ZIRCON		Tr	Tr	Colourless, yellow, honey brown, orange, broken euhedra, vitreous, transparent to more ovate frosted opaques.
COMMENTS:	Concentrate fully observed.			Observed by: J.D. Date: Nov. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354776

ASSESSMENT

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

NEGATIVE

STREAMSED
23.46 kgs
63.42 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			Tr		Very rare. Yellow, blue/yellow, platy subhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	30%		Yellow-brown, red-brown, dull, generally pisolitic.
GARNET					
GOLD					
GORCEIXITE		Tr	Tr		Red-brown, orange.
HAEMATITE					
ILMENITE		Tr	65%		Silvery-black subhedra, moderately worn.
KYANITE					

LEUCOXENE		Tr	Tr	Beige, creamy beige, brown, dull to more polished.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE			Tr	Very rare. Orange, well rounded resinous opaques, also blocky rounded translucent subhedra.
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE		Tr	Tr	Very rare. Orange, blocky, frosted, rounded.
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE		Tr	5%	Black-brown near spherical grains.
XENOTIME				
ZIRCON		Tr	Tr	Colourless/orange, yellow, orange, red, transparent vitreous eu/subhedra to translucent near spherical grains.
COMMENTS: Concentrate fully observed.				Observed by: B.G. Date: Nov. 1998.



DIATECH
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File: 98-065.doc

HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354777

ASSESSMENT

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

NEGATIVE

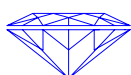
STREAMSED
19.78 kgs
18.71 grams
-2.0+0.25 mm
430

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		
AI SILICATES			Tr		Colourless, transparent, moderately worn.
AMPHIBOLE			Tr		Rare. Darkest bottle green, lath-like, moderately fresh.
ANATASE			Tr		Rare. Grey-blue subhedra, translucent, some partly leucogenised.
APATITE					
BARITE		Tr	Tr		Colourless to slightly beige, granular aggregates, translucent.
CALCITE					
CASSITERITE		Tr	Tr		Bright orange-red, grey, yellow, well worn, translucent, greasy sheen.
CELESTITE?		Tr			Grey-white, opaque, SEM indicates Sr, S.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	84%		Yellow-brown, mustard yellow, dull earthy irregular fragments.
GARNET					
GOLD					
GORCEIXITE			Tr		Red-brown, irregular, resinous sheen, opaque, 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

HAEMATITE				
ILMENITE		Tr	Tr	Dull, silvery-black, often platy and partly leucoxenised, also more blocky, worn.
KYANITE				
LEUCOXENE	Tr	Tr	5%	Cream, grey, often quite dull, most after ilmenite.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE			1%	Cream, orange-red, well worn resinous grains, smooth, reworked.
PREHNITE				
PYROXENE				
RUTILE		Tr	Tr	Silvery-black, dark cherry red, well worn reworked grains.
SPHENE				
SPINEL				
TOURMALINE	Tr	Tr	10%	Black-brown, rarely mid-brown, green-brown, near spherical, frosted to smooth, translucent to transparent.
ZIRCON		Tr	Tr	Colourless, pink, pale yellow, orange, well rounded to ovate grains, often frosted.
COMMENTS: Concentrate fully observed.				Observed L.F. by: Date: Nov. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354778

ASSESSMENT

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

NEGATIVE

STREAMSED
23.24 kgs
345.59 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	Tr		Ice blue, silver grey, tabular, translucent to opaque, subhedral to rounded.
APATITE					
BARITE					
CALCITE					
CASSITERITE			Tr		Red-black, rounded, semi-metallic sheen.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	70%		Brown, red-brown, tan, rounded, dull, angular.
GARNET					
GOLD					
GORCEIXITE			Tr		Orange-brown amorphous polished opaque grains.
HAEMATITE					

ILMENITE			30%	Silvery-black, high metallic lustre, subangular to more rounded, frosted.
KYANITE				
LEUCOXENE		Tr	Tr	Beige, grey, cream polished grains, blocky to more rounded.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE		Tr	Tr	Red-brown, cherry red, opaque, semi-metallic lustre.
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE	Tr	Tr	Tr	Black, brown, rounded, pitted, frosted.
XENOTIME				
ZIRCON		Tr	Tr	Colourless, brown, orange, yellow, broken euhedra, ovate, frosted, translucent to opaque.
COMMENTS: -2.0+0.8 fully obs. -0.8+0.25 concentrate magnetically separated. -0.8+0.25 fully obs. NM 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: Date: Nov. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354779

ASSESSMENT

Type of sample

Head Weight

Conc Weight -1.2+0.25mm

Size fractions observed

Disc No

NEGATIVE

STREAMSED

23.20

kgs

222.57

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+0.25, black, dull, one is a well rounded euhedral grain, finely pitted, the other is smoother surfaced, anhedral, well rounded.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Very rare. Orange-yellow, grey-blue, tabular, subhedral.
APATITE					
BARITE		Tr	Tr		Blocky to more tabular, colourless to frosted white, transparent to translucent, moderately worn.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	80%	15%		Red-brown, yellow-brown, dull, pisolitic.
GARNET					
GOLD					

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

GORCEIXITE		Tr	Tr	Cream, red-brown, yellow, orange-brown, orange-yellow, brown amorphous sub-resinous opaques.
HAEMATITE				
ILMENITE	Tr	20%	85%	Silvery-black subhedra, moderately worn.
KYANITE				
LEUCOXENE		Tr	Tr	Cream, tan, beige, dull to more polished.
MAGNETITE				
MICA				
MN OXIDE	Tr	Tr	Tr	Dull, grey-black, near spherical.
MONAZITE	Tr	Tr	Tr	Orange, creamy brown, resinous, well rounded, very rarely translucent.
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE		Tr	Tr	Very rare. Orange-red, rounded, anhedral.
SULPHIDES				
TOURMALINE	Tr	Tr	Tr	Black-brown, near spherical grains.
UNKNOWN MINERAL		Tr	Tr	Pale olive green spherical opaques, Al Si K Fe.
ZIRCON		Tr	Tr	Orange, colourless, beige, yellow, eu/subhedral, vitreous, included, also near ovate to spherical translucent grains.
COMMENTS: -2.0+0.8 fully obs. -0.8+0.25 concentrate magnetically separated. -0.8+0.25 fully obs. NM M6/7 -0.8+0.25 fully obs. M4/5 -0.8+0.4 fully obs, -0.4+0.25 1/16 obs. M1/2/3 Scalp not observed.				
				Observed B.G. by: Date: Nov. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354780

ASSESSMENT

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

NEGATIVE

STREAMSED
24.10 kgs
600.33 grams
-2.0+0.25 mm
430

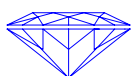
KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		1+0.25, worn smooth black octahedra.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

% % %

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE		Tr	Tr		Palest blue-grey, moderately fresh sub- to euhedra, translucent.
APATITE					
BARITE	Tr	Tr	Tr		Colourless, white, quite fresh to moderately worn, transparent glassy fragments to frosted translucent fragments, may include some calcite.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	5%		Yellow-brown, red-brown, mostly dull pisolites.
GARNET					

GOLD				
GORCEIXITE		Tr	Tr	Red-brown, orange-brown, resinous amorphous grains, opaque.
HAEMATITE		Tr		Rare. Silvery-grey platy aggregates with reddish tints.
ILMENITE	Tr	5%	95%	Silvery-black, moderately worn subhedra, some partly leucogenised.
KYANITE				
LEUCOXENE			Tr	Cream, beige, rarely tan, grey; well worn, polished to dull porcelain-like surfaces, many after ilmenite.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE			Tr	Red-orange, creamy orange, resinous, near spherical, opaque, some are yellow, translucent, worn.
PHOSPHATES				
PYROXENE			Tr	Beige-brown, khaki, moderately fresh jagged laths.
RUTILE			Tr	Silvery-black, reddish-black, well worn to near spherical reworked grains.
TOURMALINE	Tr	Tr	Tr	Black-brown, near spherical reworked grains, smooth to frosted.
ZIRCON			Tr	Colourless, reddish, orange, yellow; ovate to near spherical, reworked.
COMMENTS:	-2.0+0.8 concentrate fully observed.			Observed L.F.
	-0.8+0.25 concentrate magnetically separated.			by: Date: Nov. 1998.
	-0.8+0.25 fully obs.			
NM				
M6/7	-0.8+0.25 fully obs.			
M4/5	-0.8+0.4 fully obs, -0.4+0.25 not obs.			
M1/2/3	Scalp not observed.			



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354781

ASSESSMENT

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

POSS KIMB

STREAMSED
23.36 kgs
304.84 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		2+0.4, 2+0.25, black, dull, sub/anedral, one is quite well rounded, the others more sub-rounded and blocky, very finely pitted. (1+0.25 is poss kimb)
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

% % %

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Very rare. Blue, beige, tabular subhedra, moderately worn.
APATITE					
BARITE		Tr	Tr		Colourless to creamy white, transparent to opaque, blocky tabular grains to globular and finely granular.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					

FE OXIDE/HYDROXIDE	100%	100%	60%	Yellow-brown, red-brown, brown, generally pisolitic.
GARNET			Tr	Very rare. Spessartine, almandine, pale orange-pink, sub-rounded, translucent, moderately worn.
GOLD				
GORCEIXITE		Tr	Tr	Orange, orange-brown amorphous opaques.
HAEMATITE				
ILMENITE		Tr	40%	Silvery-black subhedra, moderately worn.
KYANITE		Tr		1+0.4, colourless/Fe-stained, bladed.
LEUCOXENE		Tr	Tr	Greyish-beige, beige, dull.
MAGNETITE				
MICA			Tr	Very rare. Pale brown to almost colourless, flaky.
MN OXIDE	Tr	Tr	Tr	Dull, grey-black.
MONAZITE			Tr	Orange near spherical resinous opaques.
PHOSPHATES				
PREHNITE				
PYROXENE		Tr	Tr	Yellow-brown blocky laths, ragged edges, often as composite grains.
TOURMALINE		Tr	Tr	Black-brown near spherical grains.
UNKNOWN MINERAL			Tr	Very rare. Dull pale olive green opaques, Al Si K Fe.
UNKNOWN MINERAL		Tr	Tr	Cream, creamy pink, well rounded soft dull opaques, Mg Si Ca Fe.
ZIRCON			Tr	Orange, colourless, near spherical to ovate translucent grains.
COMMENTS: -2.0+0.8 fully obs.				Observed B.G.
				by: Date: Nov. 1998.
				-0.8+0.25 concentrate magnetically separated.
				-0.8+0.25 fully obs.
NM				
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

354782

ASSESSMENT

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

PROB KIMB

STREAMSED
26.42 kgs
148.51 grams
-2.0+0.25 mm
430

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		1+0.25, black, dull, near spherical, finely pitted.
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, beige platy subhedra, moderately worn.
APATITE					
BARITE		Tr	Tr		Colourless, white to orange-toned, tabular to more rounded, transparent to subtranslucent, often etched.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	45%	20%		Yellow-brown, red-brown, dull, fragmented, pisolitic in the larger fractions.

GARNET				
GOLD				
GORCEIXITE		Tr	Tr	Very rare. Creamy grey, beige amorphous sub-resinous opaques.
HAEMATITE				
ILMENITE	Tr	55%	80%	Silvery-black subhedra, moderately worn.
KYANITE				
LEUCOXENE		Tr	Tr	Blue-grey, tan, beige, dull.
MAGNETITE				
MICA				
MN OXIDE	Tr	Tr	Tr	Dull, grey-black, well rounded.
MONAZITE		Tr	Tr	Creamy orange, orange, cream, grey, near spherical resinous opaques, very rarely translucent, more blocky..
PHOSPHATES				
PREHNITE				
RUTILE			Tr	Reddish-black, blocky, rounded, strong semi-metallic lustre.
SPHENE				
TOURMALINE	Tr	Tr	Tr	Black-brown, rare blue, near spherical grains, rarely blocky, subangular, moderately worn.
UNKNOWN MINERAL		Tr	Tr	Dull olive green spherical opaques, Al Si K Fe.
ZIRCON		Tr	Tr	Orange, white, yellow, red-orange, beige, generally ovate to near spherical, rarely euhedral, transparent, with fine vesicular inclusions.
COMMENTS:	-2.0+0.8 fully obs.			Observed B.G.
	-0.8+0.25 concentrate magnetically separated.			by: Date: Nov. 1998.
	-0.8+0.25 fully obs.			
NM				
M6/7	-0.8+0.25 fully obs.			
M4/5	-0.8+0.4 fully obs, -0.4+0.25 1/16 obs.			
M1/2/3	Scalp not observed.			



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354783

ASSESSMENT

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

NEGATIVE

STREAMSED
24.90 kgs
303.88 grams
-2.0+0.25 mm
430

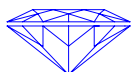
KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL		Tr	Tr		1+0.4, 1+0.25, black, smooth dull surface, subhedra with vitreous core.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

% % %

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		Ice blue, blue-grey, tabular, golden yellow.
APATITE					
BARITE		Tr	Tr		White peach, tabular, rounded, some heavily etched, others quite granular, frosted.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					

FE OXIDE/HYDROXIDE	100%	50%	15%	Brown, red-brown, dull, rounded, earthy.
GARNET				
GOLD				
GORCEIXITE		Tr	Tr	Pale orange, honey brown, well rounded opaques.
HAEMATITE				
ILMENITE	Tr	50%	85%	Silvery-black, tabular, subangular.
KYANITE				
LEUCOXENE			Tr	Beige, cream, angular polished grains.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE				
SILLIMANITE			Tr	Colourless, white, elongated, transparent with surface striation to opaque wisp-like grains.
SPINEL				
TOURMALINE	Tr	Tr	Tr	Black, brown, green, blue, transparent to opaque, well rounded, frosted.
ZIRCON			Tr	Honey brown, pale yellow, colourless, red-brown, broken euhedra to ovate, frosted.
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 ¼ obs. M1/2/3 Scalp not observed.				Observed by: J. D. Date: Nov. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354784

ASSESSMENT

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

NEGATIVE

STREAMSED
30.10 kgs
16.12 grams
-2.0+0.25 mm
430

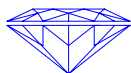
KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		1+0.25, black, dull well rounded anhedral grain, finely pitted.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

% % %

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, blue, platy subhedra, translucent, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE		Tr			1+0.4, brownish-pink, rounded anhedral, translucent.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	25%	15%		Brown, yellow-brown, earthy and fragmented to pisolitic in the larger fractions.

GARNET				
GOLD				
GORCEIXITE	Tr	Tr	Tr	Creamy beige, brown, grey-brown, pale peach, orange-brown, red-brown, often mottled, amorphous, dull to resinous opaques.
HAEMATITE				
ILMENITE		75%	80%	Silvery-black subhedra, moderately worn.
KYANITE				
LEUCOXENE		Tr	Tr	Beige, tan, dull.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE		Tr	Tr	Creamy orange, orange, cream, well rounded resinous opaques.
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE		Tr	Tr	Very rare. Cherry red, silvery-black, sub/anedral, well rounded and smooth to striate, moderately worn.
TOURMALINE	Tr	Tr	5%	Black-brown near spherical grains.
UNKNOWN MINERAL	Tr			Rare. Pale olive green, opaque, Al Si K Fe.
ZIRCON		Tr	Tr	Orange, colourless, pale pink, yellow, yellow-brown, generally near spherical to ovate, rarely as broken euhedral transparent grains.
COMMENTS:	Concentrate fully observed.			Observed by: B.G. Date: Nov. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354785

ASSESSMENT

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

NEGATIVE

STREAMSED
22.86 kgs
10.11 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	%	%	%	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Pearly grey, grey-blue, pale blue, platy subhedra, translucent.
APATITE					
BARITE					
CALCITE					
CASSITERITE			Tr		Red-orange, orange, yellow, yellow-grey, red, worn subangular grains, translucent, greasy sheen.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	70%		Yellow-brown, mustard-brown, dull, earthy, some pisolitic.

GARNET				
GOLD				
GORCEIXITE	Tr	Tr	Tr	Red-brown, amorphous, resinous sheen, well worn, opaque.
ILMENITE		Tr	5%	Platy silvery-black subhedra, often partly leucogenised, also well rounded pitted grains.
LEUCOXENE		Tr	5%	Cream, tan, grey, often after ilmenite but also as smooth well rounded grains.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE		Tr	Tr	Cream, creamy-orange, red-orange, near spherical reworked grains, smooth resinous sheen, opaque.
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE			Tr	Silvery-black, cherry red, well worn reworked grains.
SPHENE				
STAUROLITE		Tr		1+0.4, well worn, orange-brown, small black inclusions, frosted surface.
TOURMALINE		5%	20%	Black-brown, near spherical reworked grains, smooth to frosted.
UNKNOWN MINERAL		Tr	Tr	Pearly green, opaque, irregular, SEM indicates Al, Si, K, Fe.
ZIRCON		Tr	Tr	Colourless, orange, yellow, red-orange, ovate to well rounded.
COMMENTS: Concentrate fully observed.				Observed L.F. by: Date: Nov. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354786

ASSESSMENT

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

NEGATIVE

STREAMSED
29.76 kgs
3.85 grams
-2.0+0.25 mm
430

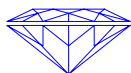
	%	%	%		
KEY MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

% % %

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
Al SILICATES			Tr		Very rare. Colourless, well rounded, transparent.
ANATASE		Tr	Tr		Beige/blue, blue, yellow/beige, platy subhedra, translucent, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		1+0.25, blue/colourless, transparent, subhedral, included, moderately worn.
EPIDOTE					

FE OXIDE/HYDROXIDE	100%	45%	25%	Yellow-brown, red-brown, brown, dull, fragmented to more rounded, pisolitic in the larger fractions.
GARNET				
GOLD				
GORCEIXITE		Tr	Tr	Creamy brown, orange, orange-brown, amorphous resinous opaques.
HAEMATITE				
ILMENITE		35%	60%	Silvery-black subhedra, bright metallic lustre, moderately worn.
KYANITE				
LEUCOXENE		Tr	5%	Tan, beige, creamy beige, polished, after ilmenite.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE			Tr	Orange, creamy beige, near spherical opaques.
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE			Tr	Cherry red, silvery-black, orange-red, orange sub/anhedra, moderately worn.
STAUROLITE			Tr	Very rare. orange-brown, blocky transparent, moderately worn.
TOURMALINE	Tr	20%	7%	Black-brown near spherical grains.
ZIRCON		Tr	3%	Pale pink, orange, colourless, yellow, generally near spherical to more ovate grains, rarely as broken euhedra, transparent.
COMMENTS: Concentrate fully observed.				Observed by: B.G. Date: Nov. 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354787

ASSESSMENT

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

NEGATIVE

STREAMSED
26.14 kgs
28.26 grams
-2.0+0.25 mm
430

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL		Tr			1+0.4, black, dull, pitted with granular fracture..
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%	90%	80%		Brown, tan, dull, rounded, earthy, angular.
GARNET					

GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE		3%	15%	Silvery-black, subangular, tabular, with high metallic lustre to more rounded grains, pitted and frosted.
KYANITE				
LEUCOXENE		Tr		Brown, beige, polished opaques.
MAGNETITE				
MICA				
MN OXIDE			Tr	Grey-black, dull, rounded.
MONAZITE		Tr	Tr	Honey brown, creamy orange, well rounded opaques, some with resinous lustre others more dull.
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE				
SPHENE				
SPINEL				
STAUROLITE			Tr	Orange, transparent, subhedral with frosting to some faces.
SULPHIDES				
TOURMALINE	Tr	7%	5%	Black-brown, green, well rounded.
ZIRCON		Tr	Tr	Orange, pale peach, colourless, yellow, ovate to well rounded, translucent, transparent, frosted.
ROCK FRAGMENTS		Tr	Tr	Fe-oxide/quartz composites.
COMMENTS: Concentrate fully observed. <div> Observed by: J.D. Date: Nov. 1998. </div>				