

DIATECH
Ph 61 8 9361 2596
Fx 61 8 9470 1504

File: 98-039.doc

HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354501

ASSESSMENT

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

NEGATIVE

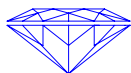
STREAMSED
22.54 kgs
121.9 grams
-2.0+0.25 mm
403

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	BRIEF DESCRIPTION
ANATASE			Tr	Beige-blue, grey-blue, beige, golden yellow, blue, subhedral, translucent, moderately worn.
BARITE	Tr	Tr	Tr	Beige-brown, colourless, pale orange, pinkish-brown, tabular to rounded anhedral, transparent to semi-opaque, often etched, frosted, moderately worn.
EPIDOTE			Tr	Very rare. Pale yellow-green, subtranslucent, moderately worn.
FE OXIDE/HYDROXIDE	100%	85%	2%	Red-brown, purple-brown, brown, yellow-brown, subangular to rounded, dull.
GARNET			Tr	Andradite 2+0.25, golden-yellow, sub-anhedral, vitreous, translucent, moderately fresh to moderately worn; Almandine, 1+0.25, pale pink, subangular, transparent, moderately fresh.
GORCEIXITE	Tr	Tr	Tr	Yellow, orange, cream, beige, dull to sub-resinous, anhedral, rounded opaques.
ILMENITE	Tr	15%	98%	Silvery-black, bright metallic lustre, subhedral, some more dull, rounded.
KYANITE		Tr	Tr	Very rare. Colourless, Fe-stained, bladed, transparent
LEUCOXENE		Tr	Tr	Grey-blue, beige, brown, subangular to more rounded polished opaques, after ilmenite.
MICA			Tr	Dull, coppery-beige opaques, flaky.
PYROXENE	Tr	Tr	Tr	Brownish-beige to yellowish-brown, blocky to subangular, transparent to sub-translucent, moderately fresh to moderately worn.
RUTILE			Tr	Very rare. Orange-red, cherry red, subhedral, moderately worn.
STAUROLITE		Tr	Tr	Orange, subangular, translucent, moderately worn.
SULPHIDES				
TOURMALINE	Tr	Tr	Tr	Abundant, black-brown, near spherical grains.
UNKNOWN MINERAL		Tr	Tr	Very rare. Dull olive green, near spherical opaques, SEM indicates Al Si K Fe.
UNKNOWN MINERAL		Tr		1+0.4, colourless, Fe-stained lath, translucent, striate, SEM indicates Al Si K.
ZIRCON		Tr	Tr	Orange, colourless, yellow, beige, orange-brown, pink, eu/subhedral, transparent to translucent, vitreous, moderately fresh to moderately worn, also some dull, frosted, trans/subtranslucent, well rounded.

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

Observed by: B.G.
Date: June, 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354502

ASSESSMENT

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

NEGATIVE

STREAMSED
30.06 kgs
494.6 grams
-2.0+0.25 mm
403

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 1/2 split) is 2 grains in a 1/2 split of the +0.25mm fraction

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Rare, pale yellow, dull grey-blue, moderately worn to worn subhedra.
ANDALUSITE		1%	Tr		Colourless, Fe-stained, quartz-like, transparent, worn to well worn, rounded.
BARITE	Tr	Tr	Tr		Colourless, white, beige, rarely milky-orange, translucent, worn to well worn, rarely platy.
CORUNDUM			Tr		1+0.25, lavender-blue, frosted, tabular, moderately worn.
DIASPORE		Tr	Tr		Colourless to pale yellow, tabular, elongate, good cleavage, transparent.
EPIDOTE			Tr		1+0.25, worn, yellow-green, opaque.
FE OXIDE/HYDROXIDE	100%	49%	5%		Pisolitic, red-brown, yellow-brown, rarely studded with ilmenite.
GARNET					
GOLD					
GORCEIXITE		Tr	Tr		Red-brown, orange-red, dull resinous, amorphous grains, opaque, well worn.
HAEMATITE	Tr				1+0.8, silvery-grey, platy aggregate, reddish tints.
ILMENITE	Tr	50%	95%		Bright silvery-grey subhedra, rarely partly leucogenised, moderately fresh to moderately worn, also well rounded, silvery-black grains, frosted and pitted.
LEUCOXENE		Tr	Tr		After ilmenite, beige, cream, mostly tan, some grains are well rounded.
MN OXIDE	Tr				Rare dull grey nodules, rarely reniform
MONAZITE			Tr		Orange-red, yellow-beige, near spherical, resinous, opaque.
PYROXENE			Tr		Rare, mid-brown, moderately fresh, blocky to elongate fragments, transparent, rarely striate.
RUTILE			Tr		Very rare, dark cherry red, strong semi-metallic lustre, moderately worn, subhedral.
SULPHIDES		Tr	Tr		Pyrite, 2+0.25, 1+0.4, cubes, tarnished, dull, moderately fresh.
TOURMALINE	Tr	Tr	Tr		Black-brown, near spherical, smooth to frosted surfaces.
ZIRCON		Tr	Tr		Colourless, pale yellow, orange, rarely red-orange, elongate, prismatic, euhedral to subhedral crystals, vitreous, transparent; also well rounded, near spherical grains, smooth to frosted, similarly coloured.
ROCK FRAGMENTS	Tr				Beige/cream/brown granular composites, possibly pyroxene, rare quartz/gorceixite, quartz/ilmenite.

COMMENTS: -2.0+0.8 concentrate fully observed.

-0.8+0.25 concentrate magnetically separated.

NM -0.8+0.25 fully obs

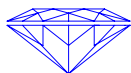
M6/7 -0.8+0.4 fully obs, -0.4+0.25 1/8 obs.

M4/5 -0.8+0.4 1/16 obs, -0.4+0.25 1/32 obs.

M1/2/3 scalp not observed.

Observed by: L.F.

Date: June, 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354503

ASSESSMENT

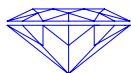
Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

STREAMSED
25.84 kgs
526.9 grams
-2.0+0.25 mm
403

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, greenish-blue, beige, golden, subhedral, anhedral, subtranslucent, moderately worn.
APATITE					
BARITE	Tr	2%	Tr		Orange, pinkish-orange, rarely brownish-beige, colourless, transparent, to subtranslucent, tabular to rounded anhedral, cloudy to frosted, often etched.
CALCITE					
CASSITERITE					
CORUNDUM		Tr			1+0.4, colourless/palest mauve tints, included, transparent, subhedral, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	20%	2%		Red-brown, brown, yellow-brown, subangular to well rounded, dull.
GARNET		Tr			Andradite 1+0.4, golden yellow, translucent, subhedral, moderately worn.
GOLD					
GORCEIXITE	Tr	Tr	Tr		Red-brown, orange-brown, orange, beige, dull to sub-resinous, anhedral opaques.
HAEMATITE					
ILMENITE	Tr	78%	98%		Silvery-black, bright metallic lustre, subhedral, some quite blocky, others dull, more well rounded.
LEUCOXENE		Tr	Tr		Tan, beige, brown, polished subhedra, after ilmenite.
MN OXIDE	Tr	Tr	Tr		Dull grey-black, well rounded.
PYROXENE	Tr	Tr	Tr		Yellowish-brown, subangular, translucent, moderately fresh, large grains more granular, rounded.
RUTILE	Tr	Tr	Tr		Very rare, cherry red, blackish-red, rounded anhedral, sub-metallic lustre, moderately worn.
STAUROLITE			Tr		Very rare. Orange-brown anhedral, well rounded, slightly frosted.
TOURMALINE		Tr	Tr		Black-brown, near spherical.
UNKNOWN MINERAL		Tr	Tr		Dull olive green, near spherical opaques, SEM indicates Al Si K Fe.
ZIRCON		Tr	Tr		Colourless, pale pink, beige, vitreous, eu/subhedra; also well rounded, anhedral grains, yellow, orange-brown.
COMMENTS:	-2.0+0.8 fully obs.				Observed by: B.G.
	-0.8+0.25 concentrate magnetically separated.				Date: June, 1998.
	NM -0.8+0.4 fully obs, -0.4+0.25 ¼ obs.				
	M6/7 -0.8+0.4 fully obs, -0.4+0.25 ¼ obs				
	M4/5 -0.8+0.4 ¼ obs, -0.4+0.25 not observed.				
	M1/2/3 scalp not observed.				



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354504

ASSESSMENT

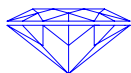
Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

STREAMSED
24.74 kgs
99.2 grams
-2.0+0.25 mm
403

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Very rare. Grey-blue, greyish-yellow, sub/anhedral, subtranslucent, rounded.
APATITE					
BARITE	Tr	Tr	Tr		Colourless, subangular to more rounded, also tabular, transparent, some cloudy to frosted, moderately worn.
CASSITERITE					
CORUNDUM			Tr		1+0.25, pale pink, transparent, sub-rounded, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	50%	2%		Red-brown, yellow-brown, brown, subangular to well rounded, generally dull.
GARNET					
GORCEIXITE	Tr	Tr	Tr		Orange, yellow, yellow-brown, beige, red-brown, creamy orange, sub-resinous, anhedral opaques.
ILMENITE		50%	98%		Silvery-black, bright metallic lustre, subhedral, moderately fresh to moderately worn, some more blocky to well rounded.
KYANITE		Tr			1+0.4, colourless, bladed, transparent.
LEUCOXENE		Tr	Tr		pale brown, grey, beige, tan, grey-blue, subangular to more rounded, polished opaques, after ilmenite.
MICA			Tr		Very rare, coppery-brown, opaque flakes.
MONAZITE			Tr		Very rare. Beige, pale orange, resinous, near spherical opaques.
PYROXENE	Tr	Tr	Tr		Beige-brown to yellowish-brown, blocky to subangular, transparent to subtranslucent, moderately fresh to moderately worn.
SPHENE			Tr		1+0.25, pale yellow, transparent, vitreous, subhedral, moderately fresh.
TOURMALINE	Tr	Tr	Tr		Abundant, black-brown, rarely coloured, near spherical grains.
UNKNOWN MINERAL			Tr		Very rare. Dull olive green, near spherical opaques, SEM indicates Al Si K Fe.
ZIRCON		Tr	Tr		Orange, yellow, colourless, red, beige, eu/subhedral, transparent to translucent, vitreous moderately fresh to moderately worn, often included; also some dull, frosted, trans/subtranslucent, well rounded.
ROCK FRAGMENTS		Tr	Tr		Very rare. Fe-oxide/quartz composites.
COMMENTS:					Observed B.G. by: Date: June, 1998.
-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 partly obs, -0.4+0.25 1/16 obs. M1/2/3 scalp not observed					



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354505

ASSESSMENT

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

POSS KIMB

STREAMSED
27.68 kgs
19.1 grams
-2.0+0.25 mm
403

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Grey-blue, golden, beige/blue, blue, subhedral, moderately worn.
APATITE					
BARITE	Tr	8%	4%		Colourless, orange, white, beige-brown, anhedral, generally rounded, often etched, transparent to translucent.
CALCITE					
CASSITERITE		Tr			1+0.4, orange-red, subhedral, subtranslucent, moderately worn.
CORUNDUM					
EPIDOTE			Tr		1+0.25, dull yellow-green, near opaque anhedral.
FE OXIDE/HYDROXIDE	100%	54%	15%		Red-brown, brown, yellow-brown, dull, sub-rounded to rounded.
GARNET					
GORCEIXITE		Tr	Tr		Red-brown, cream, pale orange, yellow, grey, dull to sub-resinous, rounded opaques.
ILMENITE		36%	65%		Silvery-black, bright metallic lustre, subhedral, some duller, more rounded.
LEUCOXENE		Tr	Tr		Grey, beige, brown, grey-green, generally polished, subangular, after ilmenite.
MN OXIDE	Tr	Tr	Tr		Dull grey-black, globular.
MONAZITE			Tr		Very rare. Yellow, orange, cream, resinous, near spherical opaques.
PYROXENE	Tr	Tr	Tr		Very rare, beige-brown, translucent, subangular, larger grains, granular, more rounded.
RUTILE		Tr	Tr		Very rare. Cherry red, brownish-red, anhedral, sub-metallic lustre, rounded.
STAUROLITE			Tr		Very rare. Orange-brown, anhedral, translucent, worn.
SULPHIDES					
TOURMALINE	Tr	2%	14%		Black-brown, rarely coloured, near spherical grains, very rarely angular, moderately fresh.
UNKNOWN MINERAL		Tr	Tr		Dull olive green, spherical opaques, SEM indicates Al Si K Fe.
ZIRCON		Tr	2%		Orange-red, yellow, orange, colourless, palest pink, beige, translucent, ovate to near spherical.

COMMENTS: -2.0+0.8 fully obs

-0.8+0.25 concentrate magnetically separated.

NM -0.8+0.25 fully obs

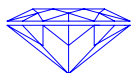
M6/7 -0.8+0.25 fully obs.

M4/5 -0.8+0.25 fully obs.

M1/2/3 scalp not observed

Observed by: B.G.

Date: June, 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354506

ASSESSMENT

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

POSS KIMB

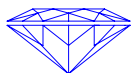
STREAMSED
26.24 kgs
132.3 grams
-2.0+0.25 mm
403

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 subhedra, two have smooth surfaces, the other two are finely cokey, moderately worn. (1+0.4, 1+0.25 poss kimb, others not considered kimb)
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
Al SILICATES		Tr	Tr		Very rare. Pale orange, translucent, subangular.
ANATASE			Tr		Very rare. Beige/blue, orange-brown, subhedral, translucent, moderately worn
APATITE			Tr		Very rare. Colourless, transparent anhedral, moderately worn.
BARITE					
CALCITE					
CASSITERITE			Tr		1+0.25, blackish-brown, subhedral, subtranslucent.
CORUNDUM		Tr			1+0.4, colourless, blocky, vitreous, anhedral, transparent, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	90%	10%		Red-brown, yellow-brown, dull, sub-rounded to rounded, some grains are quartz studded.
GARNET					
GOLD					
GORCEIXITE	Tr	Tr	Tr		Orange-brown, orange, cream, sub-resinous to dull rounded opaques, rarely sub-translucent..
HAEMATITE					
ILMENITE	Tr	10%	88%		Silvery-black, bright metallic lustre, subhedral, some well rounded and dull.
LEUCOXENE			Tr		Very rare. Beige, brown, polished, after ilmenite.
MAGNETITE					
MN OXIDE	Tr	Tr	Tr		Dull, soft, grey, globular.
MONAZITE			Tr		Very rare. Orange-brown, well rounded, resinous opaques.
PYROXENE	Tr	Tr	Tr		Rare. Beige-brown, translucent, subangular, larger grains more granular, rounded.
RUTILE			Tr		Very rare. Cherry red, anhedral, well rounded.
STAUROLITE			Tr		Very rare. Pale orange-brown, transparent, worn.
TOURMALINE	Tr	Tr	2%		Black-brown, rarely coloured, near spherical grains.
UNKNOWN MINERAL	Tr	Tr	Tr		Dull olive green, near spherical opaques. SEM indicates Al Si K Fe.
ZIRCON		Tr	Tr		Reddish-orange, beige-brown, Fe-stained, trans/subtranslucent, ovate to near spherical, very rarely euhedral, included.

COMMENTS: -2.0+0.8 fully obs
-0.8+0.25 concentrate magnetically separated.
NM -0.8+0.25 fully obs
M6/7 -0.8+0.25 fully obs
M4/5 -0.8+0.4 fully obs, -0.4+0.25 1/8 obs.
M1/2/3 scalp not observed

Observed by: B.G.
Date: June, 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354507

ASSESSMENT

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

POSS KIMB

STREAMSED
25.74 kgs
453.5 grams
-2.0+0.25 mm
403

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		1+0.25 (in a ¼ split) black, dull, broken, anhedral grain, friable, very finely textured surface, more vitreous core, moderately worn.
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, grey-blue, beige-brown, beige/blue, orange-brown, an/subhedral, moderately worn.
APATITE					
BARITE	Tr	Tr	Tr		Colourless, milky anhedral, rounded, often etched, frosted.
CALCITE					
CASSITERITE					
CORUNDUM		Tr	Tr		1+0.4, 1+0.25, colourless/blue, subhedral, transparent, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	15%	Tr		Red-brown, brown, subangular to rounded, rarely quartz studded.
GARNET					
GOLD					
GORCEIXITE	Tr	Tr	Tr		Brown, beige-brown, pinkish-brown, grey, yellow, rounded, sub-resinous opaques.
ILMENITE	Tr	85%	100%		Silvery-black, bright, metallic sheen, subhedral, others more rounded, dull.
LEUCOXENE		Tr	Tr		Brown, tan, grey-brown, subhedral, polished, rarely dull, after ilmenite.
MONAZITE		Tr	Tr		Orange-brown, orange, cream, resinous, well rounded opaques, very rare yellow, orange-brown, translucent subhedra, moderately worn.
PYROXENE			Tr		Very rare. Beige-brown, translucent, also 1+0.25, pale grey, green, striate, moderately worn.
RUTILE	Tr	Tr	Tr		Rare, deep cherry red to silvery-black, orange-red, rounded anhedral, sub-metallic lustre, moderately worn, also very rare Nb-rutile.
TOURMALINE	Tr	Tr	Tr		Black-brown, rarely coloured, near spherical grains.
ZIRCON		Tr	Tr		Golden yellow, beige, black, colourless, orange, orange-brown, beige-pink, orange-red, ovate to near spherical, trans/sub-translucent, also abundant transparent, included euhedral, moderately fresh to moderately worn.

COMMENTS: -2.0+0.8 fully obs

Observed B.G.

by:

Date: June, 1998.

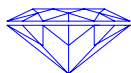
-0.8+0.25 concentrate magnetically separated.

NM -0.8+0.25 fully obs.

M6/7 -0.8+0.4 fully obs, -0.4+0.25 ¼ obs.

M4/5 -0.8+0.4 fully obs, -0.4+0.25 not observed.

M1/2/3 scalp not observed.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354508

ASSESSMENT

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

NEGATIVE

STREAMSED
20.82 kgs
699.4 grams
-2.0+0.25 mm
404

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

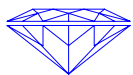
Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a 1/2 split) is 2 grains in a 1/2 split of the +0.25mm fraction

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Golden, grey, orange-brown, subhedral, trans/subtranslucent, moderately worn.
APATITE					
BARITE		Tr	Tr		Colourless, anhedral, rounded, often etched, transparent to translucent.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	Tr	Tr		Red-brown, brown, yellow-brown, sub-rounded to well rounded, dull.
GARNET					
GOLD					
GORCEIXITE	Tr	Tr	Tr		Cream, red-brown, orange-brown, orange, anhedral, rounded, sub-resinous opaques.
HAEMATITE					
ILMENITE	Tr	100%	100%		Silvery-black, bright subhedra, less commonly well rounded, dull grains.
KYANITE					
LEUCOXENE		Tr	Tr		Brown, grey-green, polished, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE	Tr	Tr	Tr		Dull, grey-black, well rounded.
MONAZITE		Tr	Tr		Yellow, orange, resinous, well rounded opaques.
PREHNITE					
PYROXENE	Tr	Tr	Tr		Pale yellow-brown, transparent to semi-opaque, larger grains are often granular, rounded.
RUTILE			Tr		Very rare. Cherry red, anhedral, rounded, sub-metallic lustre, also silvery-black, Nb-rutile.
TOURMALINE	Tr	Tr	Tr		Black-brown, near spherical.
UNKNOWN MINERAL		Tr	Tr		Dull olive green, near spherical opaques, SEM indicates Al Si K Fe.
ZIRCON		Tr	Tr		Orange, orange-red, yellow, colourless, ovate to near spherical grains, trans/subtranslucent, rarely euhedral, transparent, included.

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+0.4 fully obs, -0.4+0.25 1/8 obs.
M4/5 -0.8+0.4 1/8 obs, -0.4+0.25 not obs.
M1/2/3 scalp not observed

Observed by: B.G.
Date: June, 1998



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354509

ASSESSMENT

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

NEGATIVE

STREAMSED
19.24 kgs
303.9 grams
-2.0+0.25 mm
404

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		Colourless, rhombic crystals, transparent, fresh, moderately fresh, some frosted.
CALCITE	Tr	Tr	Tr		Cream, dull, rare nodules and coatings on pisolites, also as flakes.
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	75%		Pisolitic nodules, mid-brown, smooth, polished.
GARNET					
GOLD					
GORCEIXITE			Tr		Red-brown, orange, amorphous, resinous, globular, opaque.
HAEMATITE			Tr		Steel grey, skeletal aggregates, granular.
ILMENITE		Tr	25%		Silvery-black, subhedra, moderately fresh to moderately worn.
KYANITE					
LEUCOXENE			Tr		Beige, cream, well worn, also subhedra grains after ilmenite.
MAGNETITE					
MICA					
MN OXIDE	Tr	Tr	Tr		Dull, dark grey, amorphous, soft, friable, rare reniform crusts.
MONAZITE			Tr		Red-orange, resinous, ovate and well rounded, translucent to opaque.
PHOSPHATES					
PREHNITE					
PYROXENE			Tr		Rare, dull greenish-brown, moderately fresh, subangular, translucent.
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	Tr		Black-brown, near spherical, smooth to finely frosted.
UNKNOWN MINERAL	Tr	Tr	Tr		Smooth, nodular, pale grey-green to pea green, opaque.
ZIRCON		Tr	Tr		Colourless, yellow, orange, vitreous, glossy, moderately worn euhedra, also rounded grains, finely frosted.

COMMENTS: -2.0+0.8 concentrate fully observed.

-0.8+0.25 concentrate magnetically separated.

NM -0.8+0.25 fully obs

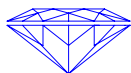
M6/7 -0.8+0.25 fully obs

M4/5 -0.8+0.25 fully obs

M1/2/3 scalp not observed.

Observed L.F.
by:

Date: July, 1998



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354510

ASSESSMENT

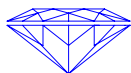
Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

STREAMSED
29.96 kgs
64.5 grams
-2.0+0.25 mm
403

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, dull, blue-grey, sky-blue, moderately worn, finely crystalline aggregates, translucent, strong, greasy lustre.
APATITE					
BARITE	Tr	Tr	Tr		Colourless, cream, translucent, blocky, moderately fresh to moderately worn.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	85%	52%		Pisolitic, red-brown, yellow-brown, smooth, rounded.
GARNET					
GOLD					
GORCEIXITE			Tr		Red-brown, amorphous, resinous, smooth, opaque, well worn.
HAEMATITE		Tr			1+0.4, silvery-grey, metallic cluster.
ILMENITE		15%	40%		Bright, silvery-black subhedra, moderately fresh to moderately worn, some platy, also some well worn grains, finely frosted, near spherical.
KYANITE					
LEUCOXENE			Tr		Beige, cream, well worn, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE		Tr	Tr		Dull, dark grey, friable, opaque, amorphous.
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
STAUROLITE			Tr		Rare, honey brown, well worn, elongate, translucent.
TOURMALINE		Tr	8%		Black-brown, brown, near spherical, smooth to finely frosted.
ZIRCON		Tr	Tr		Orange, yellow, red-orange, rarely colourless, mostly near spherical to ovate grains, smooth to finely frosted, rare moderately worn, broken euhedra.
<p>COMMENTS: -2.0+0.8 fully obs -0.8+0.25 concentrate magnetically separated. NM -0.8+0.25 fully obs. M6/7 -0.8+0.25 fully obs. M4/5 -0.8+0.25 fully obs. M1/2/3 scalp not observed.</p>					
				Observed by:	L.F. Date: June, 1998



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354511

ASSESSMENT

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

NEGATIVE

STREAMSED
27.90 kgs
137.2 grams
-2.0+0.25 mm
404

KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL		Tr			1+0.4, dull greyish-black, subhedral, very finely cokey coating, vitreous core.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Beige, blue, grey, grey-blue, sub/anhdral, translucent to near opaque, moderately worn.
APATITE					
BARITE	Tr	Tr	Tr		Colourless, pale orange, milky to more frosted, often etched, anhedral, moderately worn.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	35%	2%		Red-brown, brown, yellow-brown, sub-rounded to well rounded, dull
GARNET		Tr			1+0.4, spessartine, palest orange-pink, anhedral, moderately worn.
GOLD					
GORCEIXITE	Tr	Tr	Tr		Orange, orange-brown, creamy pink, red-brown, dull to sub-resinous, rounded opaques.
HAEMATITE					
ILMENITE	Tr	65%	95%		Silvery-black, subhedra, bright, metallic lustre, some more dull and rounded.
LEUCOXENE		Tr	3%		Beige, brown, tan, polished sub/anhedra, after ilmenite.
MONAZITE		Tr	Tr		Orange, well rounded, resinous opaques, also orange-yellow, rounded subhedra, translucent, moderately worn.
PYROXENE	Tr	Tr	Tr		Brownish-yellow, subangular, translucent, larger grains more granular, rounded.
RUTILE		Tr	Tr		Silvery-black, blackish, cherry red, cherry red, anhedral, well rounded, sub-metallic lustre, rare Nb-rutile.
TOURMALINE	Tr	Tr	Tr		Black-brown, generally near spherical, very rarely angular, moderately fresh.
UNKNOWN MINERAL		Tr	Tr		Dull olive green, near spherical opaques, SEM indicates Al Si K Fe.
ZIRCON		Tr	Tr		Colourless, orange, orange-brown, orange-red, beige, yellow, palest pink, euhedral, transparent, vitreous, moderately fresh to moderately worn, also ovate to near spherical, trans/subtranslucent.

COMMENTS: -2.0+0.8 fully obs.

-0.8+0.25 concentrate magnetically separated.

NM -0.8+0.25 fully obs.

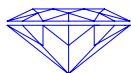
M6/7 -0.8+0.25 fully obs.

M4/5 -0.8+0.4 fully obs, -0.4+0.25 not obs.

M1/2/3 scalp not observed.

Observed by: B.G.

Date: July, 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354512

ASSESSMENT

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

NEGATIVE

STREAMSED
20.50 kgs
51.0 grams
-2.0+0.25 mm
403

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

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Golden yellow, grey-blue, moderately fresh subhedra, bright greasy lustre, also more granular, grey-blue grains.
APATITE					
BARITE	Tr	Tr	Tr		Colourless, white, blocky, worn, transparent to frosted.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	92%	40%		Pisolitic, red-brown, mustard yellow, rounded, smooth, some studded with fine quartz.
GARNET					
GOLD					
GORCEIXITE	Tr	Tr	Tr		Red-brown, orange, amorphous, well worn, opaque.
HAEMATITE	Tr	Tr	Tr		1+0.8, rare +0.4 and +0.25, skeletal, steely-grey aggregates.
ILMENITE	Tr	8%	60%		Bright silvery-black subhedra, moderately fresh to moderately worn.
KYANITE					
LEUCOXENE	Tr	Tr	Tr		Tan, beige, cream, polished, porcelain-like grains, rounded to subhedral, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE	Tr	Tr	Tr		Dull, dark grey, friable, soft.
MONAZITE			Tr		Near spherical, pale orange, cream, resinous, smooth.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE	Tr		Tr		Rare, silvery-black, semi-metallic lustre, near spherical.
SULPHIDES					
TOURMALINE	Tr	Tr	Tr		Black-brown, near spherical, smooth to frosted.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, yellow, orange, rarely pink, mainly euhedra, broken euhedral, vitreous, transparent, also well rounded, near spherical grains, smooth to frosted.

COMMENTS: -2.0+0.8 concentrate fully observed.

-0.8+0.25 concentrate magnetically separated.

NM -0.8+0.25 fully obs.

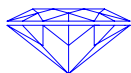
M6/7 -0.8+0.25 fully obs

M4/5 -0.8+0.25 fully obs

M1/2/3 scalp not observed

Observed L.F.
by:

Date: June, 1998



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354513

ASSESSMENT

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

NEGATIVE

STREAMSED
22.54 kgs
113.3 grams
-2.0+0.25 mm
404

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

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Grey-blue, yellow-blue, grey, pale blue, subhedral, trans/subtranslucent, moderately worn.
APATITE					
BARITE	Tr	Tr	Tr		Colourless, cloudy to more frosted, anhedral, rounded, often etched.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	35%	2%		Red-brown, brown, yellow-brown, dull sub-rounded to well rounded.
GARNET					
GOLD					
GORCEIXITE	Tr	Tr	Tr		Orange, brown, yellow, orange-brown, creamy beige, red-brown, sub-resinous, anhedral opaques.
HAEMATITE					
ILMENITE	Tr	65%	98%		Silvery-black, bright lustre, subhedral, moderately worn, some dull and well rounded.
KYANITE					
LEUCOXENE		Tr	Tr		Brown, beige, tan, grey-green, subhedral, after ilmenite.
MN OXIDE					
MONAZITE		Tr	Tr		Orange, cream, resinous, near spherical opaques, also orange-yellow, rounded, subhedral, translucent, moderately worn.
PYROXENE		Tr	Tr		Very rare. Pale brown, lath-like, moderately fresh to moderately worn.
RUTILE			Tr		Very rare. Blackish-red, cherry red, silvery-black, anhedral, sub-metallic lustre, rounded.
TOURMALINE	Tr	Tr	Tr		Black-brown, rarely coloured, near spherical grains.
UNKNOWN MINERAL	Tr	Tr	Tr		Dull olive green, near spherical opaques, SEM indicates Al Si K Fe.
ZIRCON		Tr	Tr		Orange-brown, orange, yellow, colourless, beige, red-orange, generally ovate to near spherical, trans/subtranslucent, rarely euhedral, vitreous, transparent, moderately fresh.

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+0.4 fully obs, -0.4+0.25, ¼ obs.

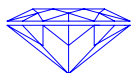
M4/5 -0.8+0.4 fully obs, -0.4+0.25 not obs.

M1/2/3 scalp not observed.

Observed B.G.

by:

Date: July, 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354514

ASSESSMENT

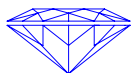
Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed
Disc No

NEGATIVE

STREAMSED
30.42 kgs
12.8 grams
-2.0+0.25 mm
403

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Golden yellow, pale yellow, blue, grey-blue, greenish, tabular, broken euhedra, subhedra, strong greasy lustre, transparent to translucent.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	73%	60%		Dull, earthy, red-brown, platy.
GARNET					
GOLD					
GORCEIXITE	Tr	Tr	Tr		Red-brown, amorphous, resinous, well worn, opaque.
HAEMATITE					
ILMENITE	Tr	5%	15%		Bright, silvery-black subhedra, moderately worn, others are well rounded, frosted, pitted.
KYANITE					
LEUCOXENE	Tr	Tr	Tr		Cream, beige, dull, rounded, mostly after subhedral ilmenite.
MAGNETITE					
MICA			Tr		1+0.25, pale brown.
MN OXIDE					
MONAZITE	Tr	Tr	Tr		Cream, reddish-pink, resinous, near spherical, smooth and polished, opaque.
PHOSPHATES					
RUTILE			Tr		Rare, dull cherry red to silvery-black, near spherical, translucent to opaque.
TOURMALINE	Tr	20%	20%		Black-brown, pale brown, near spherical to ovate, smooth to finely frosted.
ZIRCON		2%	5%		Orange, yellow, colourless, red-orange, ovate to near spherical, smooth to finely frosted, rare colourless, Fe-stained, prismatic euhedra, vitreous.
ROCK FRAGMENTS	Tr	Tr	Tr		Granular clusters of pale orange-brown ?rutile, moderately fresh.
COMMENTS: -2.0+0.8 concentrate fully observed. -0.8+0.25 concentrate magnetically separated. NM -0.8+0.25 fully obs. M6/7 -0.8+0.25 fully obs. M4/5 -0.8+0.25 fully obs. M1/2/3 scalp not observed.					
				Observed by:	L.F. Date: June, 1998



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354515

ASSESSMENT

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

NEGATIVE

STREAMSED
27.64 kgs
12.2 grams
-2.0+0.25 mm
404

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE	Tr	8%	Tr		White, moderately fresh, elongate, transparent, also finely granular to sugary aggregates, translucent.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	45%	25%		Pisolitic, mid-brown, smooth, polished.
GARNET					
GOLD					
GORCEIXITE	Tr	Tr	Tr		Red-brown, yellow, cream, well worn, resinous, opaque.
HAEMATITE					
ILMENITE	Tr	42%	40%		Silvery-black subhedra, moderately fresh to moderately worn.
KYANITE					
LEUCOXENE			Tr		Tan, beige, grey-brown, polished porcelain-like grains, mostly after ilmenite.
MAGNETITE					
MICA			Tr		1+0.25, colourless, muscovite.
MN OXIDE	Tr				Dark grey, nodular, dull.
MONAZITE		Tr	Tr		Red-orange, orange-brown, worn translucent grains, soft resinous sheen.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Silvery-black, ovate, well worn.
SPHENE					
SPINEL					
STAUROLITE					
TOURMALINE	Tr	Tr	20%		Black-brown, brown, near spherical, smooth.
ZIRCON		5%	15%		Orange, yellow, colourless, moderately fresh vitreous euhedral prismatic crystals, also many ovate to near spherical, finely frosted grains.

COMMENTS: Concentrate fully observed.

Observed by: L.F.
Date: July, 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354516

ASSESSMENT

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

NEGATIVE

STREAMSED
37.32 kgs
24.7 grams
-2.0+0.25 mm
404

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

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Grey-blue, grey, tabular euhedra to well worn granular aggregates, semi-opaque, moderately worn to worn.
APATITE	Tr	8%	5%		Colourless, white, fresh, blocky frosted grains, some granular aggregates, rare parallel acicular to striate aggregates.
BARITE					
CALCITE					
CASSITERITE		Tr			Rare, dark black-brown, translucent to nearly opaque, soft semi-metallic sheen.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	84%	40%		Dull, brick red, brown, mustard yellow.
GARNET		Tr			1+0.4, spessartine, almost colourless, tinged pink, anhedral, moderately worn.
GOLD					
GORCEIXITE		Tr	2%		Red-brown, red-orange, brown, cream, polished, amorphous, opaque grains, well worn.
HAEMATITE					
ILMENITE	Tr	8%	33%		Bright silvery-black subhedra, moderately fresh to moderately worn, also many well rounded and frosted grains, pitted.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, tan, often after ilmenite, also well rounded, porcelain-like grains.
MAGNETITE					
MICA			Tr		1+0.25, white muscovite.
MN OXIDE	Tr	Tr			Nodular, dark grey, dull, soft.
MONAZITE		Tr	Tr		Yellow, red-orange, orange, cream, resinous, near spherical, well worn.
PHOSPHATES					
TOURMALINE	Tr	Tr	15%		Black-brown, brown, rarely blue, near spherical, smooth to frosted
ZIRCON		Tr	15%		Orange, yellow, colourless, red-orange, vitreous, broken euhedra, moderately fresh to moderately worn, also ovate to near spherical worn grains.

COMMENTS: -2.0+0.8 concentrate fully observed.

Observed L.F.

by:

Date: July, 1998.

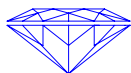
-0.8+0.25 concentrate magnetically separated.

NM -0.8+0.25 concentrate fully observed.

M6/7 -0.8+0.25 concentrate fully observed.

M4/5 -0.8+0.25 concentrate fully observed.

M1/2/3 scalp not observed.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354517

ASSESSMENT

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

NEGATIVE

STREAMSED
27.64 kgs
38.4 grams
-2.0+0.25 mm
404

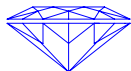
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL		Tr			1+0.4, dull grey-black, subhedral, very finely cokey surface, rounded, vitreous core.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
Al SILICATES		Tr			1+0.4, creamy yellow opaque, blocky, slightly fibrous appearance, dull.
ANATASE		Tr	Tr		Beige, grey, blue, grey-blue, lemon yellow, subhedral, translucent to near opaque, moderately worn to worn.
APATITE					
BARITE		Tr	Tr		Colourless, white, rounded anhedral, transparent to translucent, commonly frosted and etched.
CALCITE					
CASSITERITE					
CORUNDUM		Tr	Tr		1+0.4, 2+0.25, palest blue/colourless, subhedral to subangular, translucent.
FE OXIDE/HYDROXIDE	100%	45%	2%		Yellow-brown, red-brown, brown, sub-rounded to rounded, dull.
GARNET		Tr	Tr		Almandine, pale pink, to orange-pink, subangular, moderately fresh to moderately worn.
GORCEIXITE	Tr	Tr	Tr		Cream, creamy pink, creamy beige, orange, red-brown, orange, brown, sub-resinous to dull anhedral opaques.
GYPSUM			Tr		1+0.25, white, acicular, flattened opaque.
ILMENITE	Tr	55%	98%		Silvery-black, bright metallic lustre, subhedral, rarely dull, well rounded.
LEUCOXENE		Tr	Tr		Beige, brown, tan, blue-grey, generally dull, some more polished, after ilmenite.
MN OXIDE	Tr				Dull grey-black, well rounded.
MONAZITE		Tr	Tr		Yellow, orange, cream, rounded subhedra to near spherical, translucent to resinous opaques.
RUTILE		Tr	Tr		Very rare, cherry red, silvery-black, sub/anhedral, generally well rounded.
SULPHIDES			Tr		Pyrite, 1+0.25, dull brassy, aggregated.
TOURMALINE		Tr	Tr		Black-brown, rarely coloured, near spherical grains, very rare, moderately fresh, angular.
XENOTIME		Tr			Very rare. Deep peach, dull, opaque, beige-brown.
ZIRCON		Tr	Tr		Orange, yellow, colourless, beige, orange-brown, euhedral, transparent, included, moderately fresh to moderately worn, also near spherical to ovate grains, trans/subtranslucent.
ROCK FRAGMENTS		Tr	Tr		Barite/quartz, Fe/quartz, gorceixite/quartz aggregates.

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

COMMENTS: -2.0+0.8 fully obs
-0.8+0.25 concentrate magnetically separated.
NM -0.8+0.25 fully obs.
M6/7 -0.8+0.25 fully obs.
M4/5 -0.8+0.4, fully obs, -0.4+0.25 1/8 obs.
M1/2/3 scalp not observed.

Observed by: B.G.
Date: July, 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354518

ASSESSMENT

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

NEGATIVE

STREAMSED
23.96 kgs
37.1 grams
-2.0+0.25 mm
404

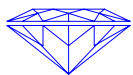
KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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		Rare, yellow-blue, tabular subhedra, translucent, strong greasy lustre, moderately fresh.
APATITE					
BARITE	10%	45%	20%		White, Fe-stained, pale orange, sugary granular aggregates; also colourless, transparent grains, moderately worn, blocky.
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Rare, pale blue, tabular with raised triangular hummocks, also more sub-rounded grains, transparent, vitreous.
EPIDOTE					
FE OXIDE/HYDROXIDE	90%	45%	20%		Pisolitic, red-brown to yellow-brown.
GARNET					
GOLD					
GORCEIXITE		Tr	Tr		Red-brown, amorphous, well worn, opaque.
HAEMATITE					
ILMENITE		10%	34%		Bright silvery-black subhedra, moderately worn, also many well rounded, frosted and pitted grains, some partly leucoxenised.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, grey, porcelain-like, mostly after ilmenite.
MAGNETITE					
MICA					
MN OXIDE	Tr	Tr	Tr		Nodular, dark grey-black.
MONAZITE			Tr		Well rounded, near spherical, cream, pale orange, opaque, resinous sheen.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare, dark cherry red, worn, rounded.
SPHENE					
SPINEL					
TOURMALINE		Tr	25%		Black-brown, brown, near spherical, smooth to frosted.
ZIRCON		Tr	1%		Colourless, yellow, pale orange, prismatic, vitreous euhedra and broken euhedra, also many ovate to near spherical grains, similarly coloured, but also red-brown.

COMMENTS: -2.0+0.25 concentrate fully observed

Observed by: L.F.
Date: July, 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354519

ASSESSMENT

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

NEGATIVE

STREAMSED
19.74 kgs
38.0 grams
-2.0+0.25 mm
404

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Beige, grey, yellow-beige, moderately worn to worn subhedra.
APATITE					
BARITE		Tr	Tr		Very rare. Finely crystalline aggregates, white.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	75%	30%		Red-brown, yellow-brown, brown, dull, subangular to rounded.
GARNET					
GOLD					
GORCEIXITE	Tr	Tr	Tr		Orange, red-brown, cream, dull to sub-resinous rounded anhedral opaques.
HAEMATITE					
ILMENITE		25%	55%		Silvery-black, subhedral, moderately worn, some with leucoxene coatings.
KYANITE					
LEUCOXENE	Tr	Tr	5%		Grey-brown, brown, grey-green, sub/anhedra, generally polished, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Orange-brown, white, near spherical resinous opaques.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Very rare. Silvery-black, cherry red, well rounded anhedral, sub-metallic lustre.
SULPHIDES					
TOURMALINE	Tr	Tr	10%		Black-brown, rarely coloured near spherical grains.
UNKNOWN MINERAL		Tr	Tr		Dull, opaque, olive green, near spherical, SEM indicates Al Si K Fe.
ZIRCON		Tr	Tr		Orange, red-orange, colourless, Fe-stained, generally ovate to near spherical translucent grains, rarely eu/subhedral, transparent, included, moderately worn.

COMMENTS: -2.0+0.8 fully obs.

-0.8+0.25 concentrate magnetically separated.

-0.8+0.25 fully obs

NM

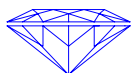
M6/7 -0.8+0.25 fully obs

M4/5 -0.8+0.25 fully obs

Observed B.G.

by:

Date: July, 1998



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354520

ASSESSMENT

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

POSS KIMB

STREAMSED
25.26 kgs
17.0 grams
-2.0+0.20 mm
404/406

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.20		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		1+0.20 (in a 1/3 split), black well rounded anhedral grain, dull matt sheen, highly friable.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.20		
AMPHIBOLE					
ANATASE			Tr		Very rare. Yellow, palest blue-grey, anhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE			Tr		Crimson red, orange-red, grey, anhedral, subangular to rounded, translucent.
CORUNDUM			Tr		1+0.25, colourless, flat, hexagonal transparent, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	98%	55%		Orange-brown, brown, yellow-brown, dull, sub-rounded to well rounded.
GARNET			Tr		1+0.25, almandine, pale pink anhedral grain, transparent, moderately worn.
GOLD					
GORCEIXITE	Tr	Tr	Tr		Creamy beige, creamy brown, yellow, grey, red-brown, cream, sub-resinous anhedral opaques.
HAEMATITE					
ILMENITE		2%	20%		Silvery-black subhedra, moderately worn.
KYANITE					
LEUCOXENE		Tr	3%		Grey, blue-grey, tan, beige, brown, after ilmenite, also dull near spherical beige grains.
MAGNETITE					
MICA					
MN OXIDE	Tr				Dull grey, well rounded.
MONAZITE			Tr		Orange, creamy orange, white, dull to quite resinous near spherical opaques.
RUTILE			Tr		Very rare. Silvery-black, reddish-black, orange-red, rounded, anhedral.
TOURMALINE		Tr	20%		Black-brown, rarely coloured, near spherical grains.
ZIRCON		Tr	2%		Orange-yellow, colourless, beige, palest pink, orange, ovate to near spherical, also eu/subhedral transparent grains, moderately worn.

COMMENTS: -2.0+0.8 fully obs

-0.8 +0.25 concentrate magnetically separated

-0.8+0.25 fully obs

NM

M 6/7 -0.8+0.25 fully obs

M 4/5 -0.8+0.25 fully obs

Observed by: B.G.

Date: July, 1998

M1/2/3 Scalp not observed.
-0.25+0.20 1/3 obs.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354521

ASSESSMENT

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

NEGATIVE

STREAMSED
29.32 kgs
45.4 grams
-2.0+0.25 mm
404

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		Grey-blue, blue, golden yellow, moderately fresh to well worn subhedra, greasy lustre, translucent.
APATITE					
BARITE		Tr	Tr		White, almost colourless, blocky, moderately worn to worn grains.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	48%	25%		Pisolitic, yellow-brown, red-brown, some more earthy, dull.
GARNET					
GOLD					
GORCEIXITE	Tr	Tr	Tr		Red-brown, cream, beige, amorphous resinous grains.
HAEMATITE					
ILMENITE		50%	45%		Bright silvery-black, moderately worn subhedra.
KYANITE					
LEUCOXENE		Tr	Tr		Cream, beige, grey-green, smooth porcelain-like well worn grains, also some grains after ilmenite.
MAGNETITE					
MICA			Tr		1+0.25, muscovite, white.
MN OXIDE	Tr	Tr	Tr		Nodular, dull grey-black.
MONAZITE			Tr		Red-orange, well rounded, resinous, smooth.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare, sub-rounded to near spherical, silvery-black, dark cherry red, strong semi-metallic lustre.
SULPHIDES					
TOURMALINE	Tr	2%	25%		Black-brown, mid-brown, near spherical, smooth to frosted surfaces.
ZIRCON		Tr	5%		Colourless, yellow, orange, faintly pink, vitreous prismatic euhedra, broken euhedra, also numerous near spherical to ovate grains, similarly coloured, smooth to frosted.

COMMENTS: -2.0+0.8 concentrate fully observed.

-0.8+0.25 concentrate magnetically separated.

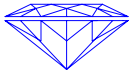
NM -0.8+0.25 fully obs.

M 6/7 -0.8+0.25 fully obs

Observed by: L.F.

Date: July, 1998.

M 4/5 -0.8+0.4 fully obs, -0.4+0.25 ¼ obs.
M1/2/3 Scalp not observed.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354522

ASSESSMENT

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

POSS KIMB

STREAMSED
31.80 kgs
31.53 grams
-2.0+0.25 mm
404

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL		Tr	Tr		1+0.4, 1+0.25, the larger grain is a black anhedral, rounded, textured surface, polished sheen, "red tints"; greyish-black, the smaller grain is dull, anhedral, very finely cokey surface, granular core, well rounded. (1+0.25mm poss kimb)
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Pale blue, beige/blue, yellow, subhedral, platy, moderately worn.
APATITE					
BARITE	Tr				Very rare. White friable well rounded opaques.
CALCITE					
CASSITERITE			Tr		1+0.25, black/orange rounded anhedral, translucent.
CORUNDUM		Tr			1+0.4, pale lemon rounded transparent anhedral.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	97%	85%		Red-brown, orange-brown, brown, yellow-brown, dull, subangular to more rounded.
GARNET					
GOLD					
GORCEIXITE	Tr	Tr	Tr		Cream, orange-brown, grey, beige, yellow, red-brown, sub-resinous to dull rounded opaques.
HAEMATITE					
ILMENITE		3%	7%		Silvery-black subhedra, bright lustre, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Brown, beige, tan, grey-blue, polished, after ilmenite, also dull near spherical beige grains.
MICA					
MN OXIDE	Tr	Tr			Dull grey-black, friable, well rounded.
MONAZITE		Tr	Tr		Very rare. Orange, cream resinous near spherical opaques.
PYROXENE					
RUTILE			Tr		Very rare. Black, cherry red, silvery-black, well rounded.
TOURMALINE	Tr	Tr	8%		Black-brown, near spherical opaques.
UNKNOWN MINERAL	Tr	Tr	Tr		Dull olive green, blocky to near spherical opaques, SEM indicates Al Si K Fe.
ZIRCON		Tr	Tr		Orange, yellow, colourless, palest pink, orange-red, near spherical, translucent, also transparent eu/subhedra, moderately worn.

COMMENTS: -2.0+0.8 fully obs.

-0.8+0.25 concentrate magnetically separated.

-0.8+0.25 fully obs.

Observed B.G.

by:

Date: July, 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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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354523

ASSESSMENT

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

NEGATIVE

STREAMSED
20.42 kgs
2.71 grams
-2.0+0.25 mm
404

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 grey-blue, rare yellow grains, subhedral to granular, translucent, moderately worn to worn.
APATITE					
BARITE			Tr		Colourless to white, blocky to rounded, transparent to frosted.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	80%	55%		Mostly pisolitic, red-brown, mustard-brown, rare martite.
GARNET					
GOLD					
GORCEIXITE		Tr	Tr		Red-orange, cream, beige, resinous, smooth, well worn and rounded amorphous grains.
HAEMATITE					
ILMENITE		Tr	10%		Silvery-black, bright, subhedra, some grains are well rounded and frosted.
KYANITE					
LEUCOXENE	Tr	Tr	5%		Several cream and beige grains, near spherical, often dull, some after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Red-orange, orange, resinous, near spherical grains, opaque.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare, dark cherry red to silvery-black, near spherical grains.
SULPHIDES					
TOURMALINE	Tr	20%	25%		Black-brown, near spherical, smooth to finely frosted.
XENOTIME					
ZIRCON			5%		Colourless, yellow, pale orange, prismatic vitreous euhedra, broken euhedra, also numerous ovate to near spherical grains, often frosted.

COMMENTS: -2.0+0.8 fully observed.

Observed L.F.

by:

Date: July, 1998

-0.8+0.25 concentrate magnetically separated.

NM -0.8+0.25 fully obs.

M6/7 -0.8+0.25 fully obs
M4/5 -0.8+0.25 fully obs.
M1/2/3 Scalp not observed.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354524

ASSESSMENT

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

POSS KIMB

STREAMSED
29.90 kgs
32.83 grams
-2.0+0.25 mm
404

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL		Tr			1+0.4, dull near spherical grains, slightly brownish surface, fine granular to the core.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Grey-blue, palest yellow, tabular subhedra, translucent, moderately worn.
ANDALUSITE			Tr		1+0.25, palest pink, moderately worn, vitreous, transparent.
BARITE			Tr		Colourless to white, blocky, worn, translucent.
CALCITE					
CASSITERITE			Tr		Black-brown, orange, well worn, rounded to sub-rounded grains, slight metallic sheen, translucent, abraded.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	85%	15%		Pisolitic, yellow-brown, smooth.
GARNET					
GOLD					
GORCEIXITE		Tr	Tr		Pale red-orange, cream, resinous amorphous grains, opaque, well worn.
HAEMATITE					
ILMENITE	Tr	10%	60%		Bright silvery-black subhedra, moderately worn, others are well rounded, frosted, pitted.
KYANITE					
LEUCOXENE			Tr		Beige, tan, greyish, smooth rounded opaque grains, dull to polished, some after ilmenite.
MAGNETITE					
MICA					
MN OXIDE		Tr	Tr		Rare, nodular, dark grey-black grains, soft.
MONAZITE					
PHOSPHATES					
PREHNITE					
RUTILE			Tr		Silvery-black, rarely dark cherry red, well worn, mostly near spherical.
STAUROLITE			Tr		Orange-brown, well worn, translucent, often tabular, elongate.
TOURMALINE	Tr	5%	20%		Black-brown, rarely orange-brown.
ZIRCON		Tr	5%		Colourless, yellow, orange, red-brown, mostly ovate to near spherical frosted grains, also some more fresh prismatic euhedral and broken euhedral grains.

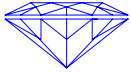
COMMENTS: -2.0+0.8 fully obs.

-0.8+0.25 concentrate magnetically separated.

Observed L.F.
by:

Date: July, 1998

NM -0.8+0.25 fully obs.
M6/7 -0.8+0.25 fully obs.
M4/5 -0.8+0.25 fully obs.
M1/2/3 Scalp not observed.



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Ph 61 8 9361 2596
Fx 61 8 9470 1504

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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354525

ASSESSMENT

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

NEGATIVE

STREAMSED
27.06 kgs
17.77 grams
-2.0+0.25 mm
404

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		Grey-blue, yellow, moderately worn subhedra, also well worn fragments.
APATITE					
BARITE					
CALCITE					
CASSITERITE			Tr		Black-brown, red-orange, well worn grains.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	45%	20%		Red-brown, yellow-brown, dull, earthy, larger grains are pisolitic.
GARNET					
GOLD					
GORCEIXITE		Tr	Tr		Red-brown, cream, beige, resinous amorphous grains.
HAEMATITE					
ILMENITE	Tr	40%	40%		Bright, silvery-black subhedra, moderately worn, some partly leucoxenised, also well worn frosted grains.
KYANITE					
LEUCOXENE		Tr	Tr		Grey-blue, beige, cream, well rounded polished porcelain-like grains, some after ilmenite.
MAGNETITE					
MICA					
MN OXIDE	Tr	Tr	Tr		Dull grey-black, soft.
MONAZITE		Tr	Tr		Red-orange, yellow, resinous, worn, translucent to opaque.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Rare, silvery-black, near spherical to subangular.
SPINEL					
STAUROLITE			Tr		Orange-brown, well worn, translucent.
TOURMALINE	Tr	15%	20%		Black-brown, ovate to near spherical, smooth to frosted.
XENOTIME		Tr			Very rare, yellow-brown, translucent, well worn.
ZIRCON		Tr	20%		Colourless, yellow, bright yellow, orange, ovate to near spherical, many vitreous euhedra, broken euhedra.

COMMENTS: -2.0+0.8 concentrate fully observed.

-0.8+0.25 concentrate magnetically separated.

Observed L.F.
by:

Date: July, 1998

NM -0.8+0.25 fully obs.
M6/7 -0.8+0.25 fully obs.
M4/5 -0.8+0.4 fully obs, -0.25+0.4 ¼ obs.
M1/2/3 Scalp not observed,



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354526

ASSESSMENT

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

NEGATIVE

STREAMSED
27.62 kgs
17.27 grams
-2.0+0.25 mm
404

	%	%	%		
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
AI SILICATES			Tr		1+0.25 colourless, transparent well rounded anhedral.
ANATASE			Tr		Very rare. Grey-blue, blue/colourless, subhedral, translucent to near opaque, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	85%	80%		Red-brown, yellow-brown, orange-brown, brown, angular to more rounded, dull, larger grains pisolitic.
GARNET					
GOLD					
GORCEIXITE	Tr	Tr	Tr		Orange-brown, yellow-brown, beige, sub-resinous to dull opaques.
HAEMATITE		Tr	Tr		Very rare. Blackish-brown, blocky, "red tints".
ILMENITE	Tr	15%	20%		Silvery-black subhedra, bright metallic lustre, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Grey, brown, beige, polished, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Very rare. Orange-brown resinous opaques.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Very rare. Silvery-black, reddish-black, well rounded grains.
STAUROLITE		Tr			1+0.4 dull brown, subangular, translucent.
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, rarely coloured, near spherical grains.
ZIRCON		Tr	Tr		Yellow, colourless, orange-brown, beige, ovate to near spherical, very rarely euhedral, transparent, also concretions studded with tiny well rounded brown grains.

COMMENTS: -2.0+0.8 fully obs.

-0.8+0.25 concentrate magnetically separated.

Observed B.G.
by:

Date: July, 1998

NM -0.8+0.25 fully obs.
M6/7 -0.8+0.25 fully obs
M4/5 -0.8+0.25 fully obs.
M1/2/3 Scalp not observed.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354527

ASSESSMENT

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

NEGATIVE

STREAMSED
27.38 kgs
100.54 grams
-2.0+0.25 mm
404

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

	%	%	%	
OTHER MINERALS	+0.8	+0.4	+0.25	mm BRIEF DESCRIPTION
AMPHIBOLE				
ANATASE		Tr	Tr	Pale grey, golden yellow, tabular subhedra as well as more granular worn grains, translucent.
APATITE				
BARITE				
CALCITE				
CASSITERITE				
CORUNDUM		Tr	Tr	Palest blue, sky blue, dark blue, lavender-blue, green-blue, moderately worn to well worn fragments, some hexagonal prisms, frosted to vitreous, some with small black inclusions.
EPIDOTE				
FE OXIDE/HYDROXIDE	95%	5%	6%	Larger grains are pisolitic, mid-brown, smaller grains are red-brown, dull, earthy.
GARNET				
GOLD				
GORCEIXITE	Tr	Tr	Tr	Dark red-brown, peach-brown, opaque resinous amorphous grains.
HAEMATITE				
ILMENITE	5%	95%	90%	Bright silvery-black subhedra, moderately fresh to moderately worn, some partly leucoxenised, others are more rounded.
KYANITE				
LEUCOXENE	Tr	Tr	Tr	Beige, tan, often after ilmenite, but also many well rounded opaque porcelain-like grains.
MICA				
MN OXIDE				
MONAZITE		Tr	Tr	Red-orange, yellow, ovate to near spherical grains, opaque, rare translucent grains, yellow-orange.
RUTILE		Tr	Tr	Cherry red, orange-red, well worn, strong semi-metallic lustre.
STAUROLITE	Tr		Tr	Rare orange-brown, tabular elongate fragments, transparent, worn.
TOURMALINE	Tr	Tr	2%	Black, brown, grey-green, near spherical, smooth to frosted.
ZIRCON	Tr	Tr	2%	Colourless, orange, yellow, peach, pink, red-brown, an abundance of elongate prismatic euhedra and broken euhedra, vitreous, often with small vesicular inclusions, some grains are ovate to near spherical, similarly coloured.
COMMENTS:	-2.0+0.8 concentrate fully observed.			Observed by: L.F.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354528

ASSESSMENT

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

NEGATIVE

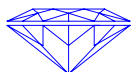
STREAMSED
26.60 kgs
31.44 grams
-2.0+0.25 mm
404

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Pale grey, golden yellow, often as tabular subhedra, also many more granular grains, translucent.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Palest blue, sky blue, lavender blue, subangular fragments, some tabular, moderately worn to well worn, transparent, often vitreous.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	70%	30%		Pisolitic, mid-brown, smooth, polished, also more earthy yellow-brown grains in the finer fractions.
GARNET					
GOLD					
GORCEIXITE		Tr	Tr		Red-brown, cream, resinous amorphous grains.
HAEMATITE					
ILMENITE	Tr	20%	64%		Abundance of silvery-black bright subhedra, moderately worn, some grains are more rounded, finely frosted.
KYANITE					
LEUCOXENE		Tr	2%		Grey, grey-green, grey-blue, many worn porcelain-like grains, also some after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Red-orange, yellow, orange, resinous, translucent to opaque, smooth, polished.
PYROXENE					
RUTILE			Tr		Dark cherry red to silvery-black, near spherical.
SPINEL			Tr		Rare gahnite, worn aqua green octahedra, milky, translucent.
TOURMALINE	Tr	10%	3%		Black-brown, near spherical, smooth to frosted.
ZIRCON		Tr	2%		Colourless, orange, yellow, peach, pink, red-brown, an abundance of elongate prismatic euhedra, broken euhedra, vitreous, often with small vesicular inclusions, some grains ovate to near spherical, more frosted.

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

COMMENTS:	-2.0+0.8 concentrate fully observed.	Observed	L.F.
	-0.8+0.25 concentrate magnetically separated.	by:	Date: July, 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

354529

ASSESSMENT

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

NEGATIVE

STREAMSED
29.36 kgs
331 grams
-2.0+0.25 mm
405

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

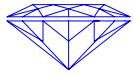
Note: The number of key minerals is the **absolute number** in the fraction noted unless otherwise stated ie 2+0.25mm (in a ½ split) is 2 grains in a ½ split of the +0.25mm fraction

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE		Tr	Tr		Yellow-beige, orange-brown, yellow-blue, grey, golden an/subhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM		Tr	Tr		4+0.4, several +0.25, palest lavender, deep sky blue, greyish, colourless, pale blue, greyish-lavender, sub/anhedra, transparent, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	55%	12%		Yellow-brown, red-brown, brown, dull, subangular to rounded.
GARNET					
GOLD					
GORCEIXITE		Tr	Tr		Very rare. Brownish-pink, beige, dull to sub-resinous opaques.
HAEMATITE					
ILMENITE	Tr	45%	85%		Silvery-black subhedra, bright metallic lustre, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, brown, grey-blue, grey-green, sub/anhedra, polished, after ilmenite, also more rounded dull grains.
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Yellow, orange, translucent, anhedra, sub-rounded to rounded.
RUTILE		Tr	Tr		Orange-red, silvery-black, cherry red, anhedra, sub-metallic lustre, well rounded.
TOURMALINE		Tr	Tr		Black-brown, rarely coloured, near spherical, very rarely more fresh subangular grains.
ZIRCON		Tr	3%		Abundant colourless, beige-pink, palest watery pink, pink, yellow, eu/subhedra, transparent, fine vesicular inclusions, moderately worn; also well rounded colourless, orange, yellow translucent grains.

COMMENTS: -2.0+1.2 fully obs.
-1.2+0.8 fully obs.

Observed B.G.
by:
Date: July, 1998

-0.8+0.25 concentrate magnetically separated.
NM -0.8+0.4 fully obs, -0.4+0.25 ¼ obs.
M6/7 -0.8+0.4 fully obs, -0.4+0.25 1/8 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

354530

ASSESSMENT

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

NEGATIVE

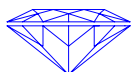
STREAMSED
 23.02 kgs
 115.08 grams
 -2.0+0.25 mm
 405

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, pale grey-blue, moderately worn tabular subhedra, translucent, also more worn granular crystals.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM		Tr	Tr		Pale blue, dark blue to sky blue, almost colourless but tinged green, well worn crystals, vitreous, transparent.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	50%	48%		Mustard yellow, yellow-brown, dull and earthy in the finer fractions, pisolitic in the coarser fractions.
GARNET					
GOLD					
GORCEIXITE	Tr	Tr			Rare, cream, cream-red, resinous, amorphous, opaque.
HAEMATITE					
ILMENITE		50%	45%		Silvery-black bright subhedra, moderately worn to worn, some partly leucoxenised.
KYANITE					
LEUCOXENE	Tr	Tr	Tr		Beige, cream, grey, polished porcelain-like grains, smooth.
MAGNETITE					
MICA			Tr		1+0.25, white platy muscovite.
MN OXIDE					
MONAZITE		Tr	Tr		Rare, yellow-orange, translucent, well worn.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Rare, dark cherry red, silvery-black, well worn opaque to translucent grains.
TOURMALINE	Tr	Tr	5%		Black-brown, abundance of near spherical grains, smooth to frosted.
ZIRCON		Tr	2%		Colourless, pink-brown, yellow, orange, pink, mostly vitreous prismatic euhedra and broken euhedra with fine vesicular inclusions; some grains are ovate to near spherical, well worn, frosted.

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

COMMENTS:	-2.0+0.8 concentrate fully observed.	Observed	L.F.
	-0.8+0.25 concentrate magnetically separated.	by:	Date: July, 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

354531

ASSESSMENT

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

PROB KIMB

STREAMSED
31.32 kgs
191.57 grams
-2.0+0.20 mm
405/406

KEY MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		1+0.25, near spherical, soft matt sheen, very finely stippled surface, slightly brownish, worn.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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

OTHER MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Golden yellow, grey-blue, tabular subhedra, strong greasy lustre, moderately fresh to moderately worn.
APATITE					
BARITE	Tr	3%	5%		White, colourless, pinkish, frosted translucent grains.
CALCITE					
CASSITERITE					
CORUNDUM		Tr	Tr		Lavender blue, pale blue, tabular transparent grains with a vitreous lustre, also hexagonal prismatic grains, well worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	62%	20%		Pisolitic, mid-brown, smooth, polished, small grains tend to be more yellow-brown, earthy, dull.
GARNET					
GOLD					
GORCEIXITE		Tr	Tr		Red-brown, cream, resinous, opaque, well worn.
HAEMATITE					
ILMENITE	Tr	35%	55%		Abundance of bright silvery-black subhedra, moderately worn, also some well rounded grains, frosted, pitted.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, cream, well rounded, opaque, some after ilmenite.
MAGNETITE					
MICA			Tr		Very rare, platy white muscovite.
MN OXIDE	Tr	Tr	Tr		Dull, grey-black, friable grains, nodular.
MONAZITE			Tr		Red-orange, well worn, resinous, opaque.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE	Tr	Tr	Tr		Dark cherry red, silvery-black, well worn, strong semi-metallic lustre.
TOURMALINE	Tr	Tr	10%		Black-brown, near spherical to ovate, frosted to smooth.
UNKNOWN MINERAL			Tr		Resinous red-brown dodecahedra, SEM indicates Si, S, Fe, possible a pseudomorph after garnet?

ZIRCON	Tr	Tr	10%	Colourless, yellow, orange, pink, well rounded near spherical grains, also many prismatic euhedra, vitreous.
COMMENTS: -2.0+0.8 concentrate fully observed.				Observed by: L.F./B.G.
-0.8+0.20 concentrate magnetically separated.				Date: July, 1998
NM	-0.8+0.20 fully obs.			
M6/7	-0.8+0.20 fully obs.			
M4/5	-0.8+0.4 fully obs, -0.4+0.20 not obs.			
M1/2/3	Scalp not observed			



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354532

ASSESSMENT

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

POSS KIMB

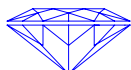
STREAMSED
22.54 kgs
319.57 grams
-2.0+0.20 mm
405/406

	%	%	%	
KEY MINERALS	+0.8	+0.4	+0.20	BRIEF DESCRIPTION
DIAMOND				
PYROPE				
CHROMITE/CR SPINEL			Tr	1+0.20, finely cokey, worn rounded broken euhedra.
CHROME DIOPSIDE				
PICROILMENITE				
PHLOGOPITE				
OTHER				

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

	%	%	%	
OTHER MINERALS	+0.8	+0.4	+0.20	BRIEF DESCRIPTION
AMPHIBOLE				
ANATASE		Tr	Tr	Beige/blue, yellow, blue, blue-grey, golden, translucent to near opaque subhedra, moderately worn.
APATITE				
BARITE	Tr	Tr	Tr	Colourless to milky white sub-rounded to rounded anhedral, transparent to near opaque, frosted, etched, moderately worn.
CALCITE				
CASSITERITE				
CORUNDUM			Tr	Very rare. Colourless, blue, anhedral, moderately worn.
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	80%	13%	Red-brown, yellow-brown, orange-brown, dull, subangular, fragmented, some quite well rounded, larger fractions are pisolitic.
GARNET				
GOLD				
GORCEIXITE	Tr	Tr	Tr	Creamy brown, beige, orange, red-brown, dull to sub-resinous rounded anhedral opaques.
HAEMATITE				
ILMENITE	Tr	20%	85%	Silvery-black, moderately worn subhedra, strong metallic lustre.
LEUCOXENE		Tr	Tr	Beige, brown, grey-green, generally polished, after ilmenite.
MICA				
MONAZITE		Tr	Tr	Rare. Orange, creamy brown well rounded resinous opaques.
RUTILE		Tr	Tr	Very rare. Cherry red, silvery-black, sub/anhedral, generally well rounded, sub-metallic lustre.
SULPHIDES			Tr	Pyrite, 1+0.25, tarnished.
TOURMALINE		Tr	Tr	Black-brown, rarely coloured near spherical grains.
UNKNOWN MINERAL		Tr	Tr	Very rare. Dull olive green near spherical grains, SEM indicates Al Si K Fe.
ZIRCON	Tr	Tr	2%	Colourless, pink, watery pink, beige, orange-brown, orange, eu/subhedral, transparent, fine vesicular inclusions, moderately worn, also rare ovate to near spherical grains..

COMMENTS:	-2.0+1.2 fully obs.	Observed	B.G/L.F.
	-1.2+0.8 fully obs.	by:	Date: August 1998
	-0.8+0.20 concentrate magnetically separated.		
	-0.8+0.4 fully obs, -0.4+0.20 fully obs.		
NM			
M6/7	-0.8+0.4 ¼ obs, -0.4+0.20 fully obs.		
M4/5	-0.8+0.4 fully obs, -0.4+0.20 not observed.		
M1/2/3	Scalp not observed.		



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354533

ASSESSMENT

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

NEGATIVE

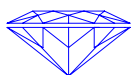
STREAMSED
27.18 kgs
56.35 grams
-2.0+0.20 mm
405/406

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

OTHER MINERALS	%	%	%	BRIEF DESCRIPTION
	+0.8	+0.4	+0.20	
AMPHIBOLE				
ANATASE			Tr	Golden yellow, pale blue-green, moderately fresh subhedra, also more granular translucent grains, more worn.
APATITE				
BARITE		Tr	Tr	White, stained pinkish-orange, frosted worn granular grains.
CALCITE				
CASSITERITE				
CORUNDUM			Tr	Rare, blue, sky blue, worn vitreous grains, sub-rounded.
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	97%	80%	Dull, earthy red-brown grains, platy, the larger grains are mid-brown, pisolitic.
GARNET				
GOLD				
GORCEIXITE			Tr	Red-brown, amorphous, resinous, opaque, well worn.
HAEMATITE				
ILMENITE		3%	15%	Bright silvery-black, moderately worn subhedra, platy, rare more rounded grains, frosted pitted.
KYANITE				
LEUCOXENE			Tr	Beige, cream, blue-grey, smooth, polished, porcelain-like.
MAGNETITE				
MICA			Tr	Very rare, blackish-brown, biotite, platy, moderately worn.
MN OXIDE	Tr	Tr		Dark grey-black, nodular, friable and soft.
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE			Tr	Dark cherry red to silvery-black, well worn.
SULPHIDES				
TOURMALINE		Tr	5%	Black-brown, brown, greenish-brown, well rounded, near spherical, smooth to frosted.

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

ZIRCON			Tr	Colourless, orange, yellow, mostly elongate square prismatic needles, euhedral to broken euhedral, also some well worn spherical grains.
COMMENTS:	-2.0+0.8 concentrate fully observed.			Observed L.F.
	-0.8+0.25 concentrate magnetically separated.			by: Date: Jul/Aug 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.			
	0.25+0.20 MI separated, fully observed.			



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354534

ASSESSMENT

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

NEGATIVE

STREAMSED
26.70 kgs
55.27 grams
-2.0+0.20 mm
405

	%	%	%		
KEY MINERALS	+0.8	+0.4	+0.20	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		3+0.20, black, well rounded grains with a slight silvery appearance.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

	%	%	%		
OTHER MINERALS	+0.8	+0.4	+0.20	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Yellow-blue, golden yellow, tabular subhedra as well as more granular grains, moderately worn to worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Rare, pale blue to sky blue, mottled, subangular to tabular fragments, transparent, vitreous, smooth to hummocky surfaces.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	35%		Yellow-brown, red-brown, dull, earthy, larger grains pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	Tr	30%		Bright silvery-black subhedra, moderately worn to well worn.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, grey-green, grey-blue, highly polished opaque grains, well worn, also some after ilmenite.
MAGNETITE					
MICA					
MN OXIDE	Tr	Tr	Tr		Dull grey-black, nodular, friable, soft.
MONAZITE			Tr		Rare, red-orange, yellow, well rounded, resinous.
PYROXENE					
RUTILE			Tr		Rare, dark cherry red, well worn.
SPINEL					
STAUROLITE			Tr		Very rare, orange-brown.

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

TOURMALINE		Tr	25%	Black-brown, well rounded, smooth to frosted.
ZIRCON		Tr	10%	Colourless, pink, yellow, orange, vitreous euhedra/broken euhedra, also well rounded to near spherical frosted grains..
ROCK FRAGMENTS		Tr		Rare, micaceous siltstone.
COMMENTS: -2.0+0.8 concentrate fully observed.				Observed L.F.
				by: Date: July, 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		
		-0.25+0.20 MI separated, fully observed.		



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354535

ASSESSMENT

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

POSS KIMB

STREAMSED
33.10 kgs
67.08 grams
-2.0+0.20 mm
405/406

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.20		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		2+0.25, 2+0.20, dull, black, very finely textured smooth surface, with a slight sheen, well rounded, sub/anhedral. (1+0.20 poss kimb)
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.20		
AMPHIBOLE					
ANATASE		Tr	Tr		Grey blue, beige, yellow-beige, yellow, blue an/subhedra, translucent to near opaque.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Very rare. Palest blue, colourless/blue, anhedral, transparent, rounded.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	65%	25%		Yellow-brown, red-brown, orange-brown, dull, subangular to well rounded.
GARNET					
GOLD					
GORCEIXITE		Tr	Tr		Orange-brown, red-orange, creamy orange, creamy beige, sub-resinous well rounded opaques.
HAEMATITE					
ILMENITE	Tr	35%	65%		Silvery-black subhedra, bright metallic lustre, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, grey-brown, brown, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE		Tr	Tr		Very rare. Dull grey-black, rounded, friable.
MONAZITE		Tr	Tr		Orange, creamy white, yellow, resinous near spherical opaques.
PHOSPHATES					
PREHNITE					

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

PYROXENE				
RUTILE			Tr	Very rare. Cherry red, well rounded anhedral.
TOURMALINE		Tr	2%	Black-brown, rarely coloured, near spherical.
ZIRCON		Tr	8%	Abundant colourless, orange, yellow, red, pale pink, vitreous, transparent eu/subhedral, often broken, vesicular, also less common ovate to near spherical translucent grains.
COMMENTS: -2.0+0.8 fully obs. -0.8+0.20 concentrate magnetically separated. -0.8+0.20 fully obs. NM M6/7 -0.8+0.20 fully obs. M4/5 -0.8+0.4 fully obs, -0.4+0.20 not observed. M1/2/3 Scalp not observed				
			Observed by:	B.G. Date: July, 1998



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354536

ASSESSMENT

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

NEGATIVE

STREAMSED
18.94 kgs
38.82 grams
-2.0+0.20 mm
405

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.20		
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	+0.20		
AMPHIBOLE					
ANATASE		Tr	Tr		Golden yellow, pale blue, tabular subhedral, moderately fresh, some more granular.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	60%	30%		Yellow-brown, pisolitic, also red-brown, more earthy, subangular, the pisolites are sometimes studded with fine quartz.
GARNET					
GOLD					
GORCEIXITE		Tr	Tr		Orange-brown, brown, creamy brown, beige resinous opaques.
HAEMATITE					
ILMENITE	Tr	40%	55%		Abundance of bright silvery-black subhedral, moderately worn to worn, some grains well worn, frosted.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, cream, quite dull, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE			Tr		Dark grey, friable, soft.
MONAZITE			Tr		Red-orange, orange, well rounded, smooth, resinous.
RUTILE					
SPHENE					

SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE		Tr	5%	Black-brown, mid-brown, well rounded, smooth to frosted.
ZIRCON		Tr	10%	Colourless, pink, yellow, red-brown, orange, vitreous, prismatic euhedra, broken euhedra, also well rounded to near spherical grains, frosted.
COMMENTS:	-2.0+0.8 concentrate fully observed.			Observed L.F.
	-0.8+0.25 concentrate magnetically separated.			by: Date: July, 1998
	-0.8+0.20 fully obs.			
NM				
M6/7	-0.8+0.20 fully obs.			
M4/5	-0.8+0.4 fully obs, -0.4+0.25 ¼ obs, -0.25+0.20 not obs.			
M1/2/3	Scalp not observed.			



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354537

ASSESSMENT

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

NEGATIVE

STREAMSED
27.26 kgs
33.62 grams
-2.0+0.25 mm
405

	%	%	%		
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		Grey, yellow, grey-blue, blue, bluish-yellow, greyish-beige tabular subhedra, translucent, moderately fresh to moderately worn, also more rounded opaque anhedral.
APATITE					
BARITE		Tr	Tr		Very rare, creamy-beige, globular, opaque.
CALCITE					
CASSITERITE					
CORUNDUM			Tr		1+0.25, blue/colourless, anhedral, rounded, translucent.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	98%	80%		Yellow-brown, red-brown, brown, dull, sub-rounded to well rounded, some more earthy.
GARNET					
GOLD					
GORCEIXITE		Tr	Tr		Grey, creamy brown, red-brown, yellow, cream, sub-resinous anhedral opaques.
HAEMATITE					
ILMENITE		2%	5%		Silvery-black subhedra, bright metallic lustre, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Cream, beige, generally dull, well rounded, rarely polished, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Creamy brown, creamy orange, orange, well rounded resinous 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

RUTILE			Tr	Very rare. Silvery-black, cherry red, tabular to almost spherical, sub-metallic lustre, moderately worn.
TOURMALINE		Tr	15%	Black-brown, rarely coloured, near spherical.
UNKNOWN MINERAL		Tr	Tr	Dull olive green near spherical opaques, SEM indicates Al Si K Fe.
ZIRCON		Tr	Tr	Colourless, orange, beige, red-brown, orange-brown, eu/subhedra, vitreous with numerous vesicular inclusions, also ovate to near spherical translucent grains.
COMMENTS: -2.0+0.8 concentrate fully observed. Observed by: B.G. -0.8+0.25 concentrate magnetically separated. Date: July, 1998 -0.8+0.25 fully obs. NM M6/7 -0.8+0.4 fully obs, -0.4+0.25 ¼ obs. M4/5 -0.8+0.25 fully obs. M1/2/3 Scalp not observed.				



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354538

ASSESSMENT

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

NEGATIVE

STREAMSED
24.70 kgs
4.32 grams
-2.0+0.25 mm
405

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Very rare. Grey near opaque anhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Very rare. Palest watery blue, colourless, rounded anhedral, transparent, moderately worn..
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	98%	62%		Yellow-brown, orange-brown, brown, dull, sub-rounded to rounded, some studded with tiny quartz grains.
GARNET					
GOLD					
GORCEIXITE	Tr	Tr	3%		Creamy brown, beige, dull anhedral opaques.
HAEMATITE			Tr		Very rare. Earthy.
ILMENITE		Tr	10%		Silvery-black subhedra, bright lustre, moderately worn, some encapsulated in a white Al Si coating..
KYANITE					
LEUCOXENE	Tr	Tr	Tr		Beige, brown, cream, dull well rounded opaques.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Cream, orange, resinous well rounded opaques.
PHOSPHATES					
PREHNITE			Tr		1+0.25, yellowish-green, acicular, tabular, opaque.

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

SPHENE				
STAUROLITE				
SULPHIDES				
TOURMALINE		2%	25%	Black-brown, rarely coloured near spherical grains.
XENOTIME	Tr			Very rare. Creamy beige, dull amorphous opaques.
ZIRCON		Tr	Tr	Colourless, pale yellow, orange, beige, palest pink, near spherical, translucent; also rare euhedral transparent grains, with fine vesicular inclusions.
COMMENTS: Concentrate fully observed.				Observed by: B.G/L.F. Date: July, 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354539

ASSESSMENT

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

NEGATIVE

STREAMSED
26.64 kgs
59.21 grams
-2.0+0.20 mm
405/406

KEY MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		1+0.25 (in a ¼ split) black, dull, near spherical grain with a very finely textured surface.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Yellowish-grey, blue, grey, orange-brown, yellow-beige, sub/anedral, translucent to near opaques, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Blue, colourless tinged blue sub/anedral, transparent to translucent, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	75%	65%		Orange-brown, red-brown, yellow-brown, dull, subangular to rounded, some quite earthy.
GARNET		Tr			1+0.4 spessartine, pale orange-pink, blocky, translucent.
GOLD					
GORCEIXITE		Tr	Tr		Creamy yellow, red-brown, sub-resinous anhedral opaques.
HAEMATITE					
ILMENITE	Tr	25%	35%		Silvery-black subhedra, bright metallic lustre, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Grey-blue, beige, creamy-beige, dull to more polished, rounded, some after ilmenite.
MAGNETITE					
MICA					
MN OXIDE		Tr	Tr		Very rare. Dull grey-black, nodular.
MONAZITE		Tr	Tr		Orange, cream, well rounded opaques.
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		Tr	Tr	Very rare. Reddish-black, cherry red, well rounded, anhedral, moderately worn.
TOURMALINE		Tr	Tr	Black-brown near spherical.
ZIRCON		Tr	Tr	Colourless, orange-brown, palest pink, beige, eu/subhedral, often broken, transparent with fine vesicular inclusions, also less commonly near spherical translucent grains.
COMMENTS:	-2.0+0.8 concentrate fully observed.			Observed by: B.G.
	-0.8+0.20 concentrate magnetically separated.			Date: July, 1998.
	-0.8+0.20 fully obs.			
NM				
M6/7	-0.8+0.20 fully obs.			
M4/5	-0.8+0.20 fully obs.			
M1/2/3	Scalp not observed.			



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354540

ASSESSMENT

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

NEGATIVE

STREAMSED
31.20 kgs
1.69 grams
-2.0+0.20 mm
405/406

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

	%	%	%		
OTHER MINERALS	+0.8	+0.4	+0.20	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Grey-blue, grey granular sub-rounded grains, translucent, strong greasy lustre, well worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE		Tr	Tr		Bright orange-red, mid-brown/black, unevenly coloured, well worn, stippled to smooth surfaces.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	75%	10%		Red-brown, yellow-brown, subangular to quite rounded, dull, some more earthy.
GARNET			Tr		1+0.25almandine, broken euhedra, grey-pink, small black inclusions, translucent, moderately fresh.
GOLD					
GORCEIXITE	Tr	Tr	Tr		Beige, cream, red-brown, creamy grey, amorphous, dull to sub-resinous opaques.
HAEMATITE		Tr	Tr		Dull silvery-grey, granular and dull, purple-red staining.
ILMENITE		10%	20%		Bright silvery-black subhedra, strong metallic lustre, moderately worn.
KYANITE					
LEUCOXENE	Tr	Tr	5%		Cream, grey, grey-green, beige, mostly dull to polished opaque grains, some grains after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					

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

MONAZITE			Tr	Pale orange, red-orange, cream, creamy-yellow, near spherical grains, polished and resinous, smooth.
RUTILE		Tr	Tr	Mid to dark cherry red, silvery sheen, well worn and rounded, some quite tabular.
SULPHIDES			Tr	1+0.25, pyrite, granular tarnished grain.
TOURMALINE	Tr	15%	57%	Black-brown, brown, rarely green-brown, near spherical, mostly smooth to finely frosted.
ZIRCON		Tr	8%	Colourless, brownish-orange, red-orange, yellow, near spherical to ovate grains, smooth to frosted, more rare colourless euhedra/broken euhedra.
COMMENTS: -2.0+0.25 concentrate fully observed. -0.25+0.20 MI separated, fully observed.				Observed by: L.F/B.G. Date: Jul/Aug 1998.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354541

ASSESSMENT

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

POSS KIMB

STREAMSED
24.14 kgs
107.55 grams
-2.0+0.20 mm
405/406

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.20		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		1+0.20, near spherical, well rounded, smooth.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.20		
AMPHIBOLE					
ANATASE			Tr		Blue-grey, ice blue, subtranslucent to opaque, tabular subhedral grains.
APATITE					
BARITE	Tr	30%	25%		White, colourless, palest orange, blocky transparent grains, some subtranslucent to opaque, quite rounded, frosted and heavily etched.
CALCITE					
CASSITERITE		Tr			Rare. Orange-red, translucent with sub-metallic lustre.
CORUNDUM			Tr		Rare. Colourless/blue-banded, vitreous, subhedral.
EPIDOTE			Tr		Rare. Yellow-green, translucent, subhedral.
FE OXIDE/HYDROXIDE	100%	64%	43%		Mustard yellow, brown to dull brick red, mostly rounded, some granular angular fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE	Tr	Tr			Grey-black platy aggregates.
ILMENITE	Tr	5%	20%		Silvery-black, subhedral, rarely partly leucogenised, angular grains with high metallic lustre, rounded dull and pitted.
LEUCOXENE		Tr	Tr		Beige, brown, cream, after ilmenite, angular to well rounded, porcelain-like lustre.
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Caramel brown, brown, orange, well rounded, resinous lustre, opaque.

PYROXENE			Tr	Rare. Pale green, elongate, subtranslucent and quite fibrous.
RUTILE		Tr	Tr	Cherry red, black, subhedra, moderately worn with silvery sheen.
TOURMALINE		1%	10%	Black, brown, green, smooth and well rounded, transparent to opaque.
ZIRCON		Tr	2%	Colourless, pale yellow, pale pink, orange-red, honey brown, broken euhedra, vitreous, often with vesicular inclusions, also well rounded and frosted dark brown to almost black opaques.
COMMENTS: -2.0+0.8 concentrate fully observed. -8.0+0.25 concentrate magnetically separated. -8.0+0.25 fully obs. NM M6/7 -8.0+0.25 fully obs. M4/5 -8.0+0.25 fully obs. M1/2/3 Scalp not observed. -0.25+0.20 MI separated, fully observed.				
				Observed by: J.D/L.F. Date: Jul/Aug. 1998



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354542

ASSESSMENT

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

NEGATIVE

STREAMSED
27.08 kgs
10.70 grams
-2.0+0.25 mm
405

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Pale blue, rounded opaque, yellow-green, translucent subhedral grains.
APATITE					
BARITE			Tr		Colourless, transparent and quite blocky.
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Palest blue, subhedral, colourless, rounded, partly frosted.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	99%	40%		Brown, mustard yellow to red-brown, smooth well rounded grains to dull earthy angular fragments.
GARNET					
GOLD					
GORCEIXITE			Tr		Red-brown, polished amorphous opaques.
HAEMATITE					
ILMENITE	Tr	1%	30%		Silvery-black, subangular, also quite rounded, smooth, shiny to frosted in appearance
KYANITE		Tr			Pale blue, tabular grain with black inclusions.
LEUCOXENE			Tr		Beige, pale grey, dark brown, porcelain-like grains, well rounded, some angular.
MAGNETITE					
MICA					
MN OXIDE					

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

MONAZITE		Tr	Tr	Grey, orange-brown, orange, opaque and well rounded with resinous lustre.
PHOSPHATES				
PREHNITE				
RUTILE			Tr	Rare. Cherry red, moderately worn rounded grain with silvery sheen.
TOURMALINE		Tr	30%	Black, blue, brown, orange-brown, smooth and well rounded rare subhedra with striated surfaces.
XENOTIME			Tr	Brown, opaque, resinous, moderately worn.
ZIRCON			Tr	Honey brown, colourless, orange, palest yellow, well rounded and frosted subhedral grains with vesicular inclusions, vitreous
COMMENTS: -2.0+0.8 concentrate fully obs. -0.8+0.25 concentrate magnetically separated. NM -0.8+0.25 fully obs. M6/7 -0.8+0.25 fully obs. M4/5 -0.8+0.25 fully obs. M1/2/3 Scalp not observed.				
				Observed by: J.D. Date: July, 1998



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354543

ASSESSMENT

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

NEGATIVE

STREAMSED
29.26 kgs
57.36 grams
-2.0+0.25 mm
405

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Pale grey, blue, yellow-beige, rare subhedra, generally granular anhedral, translucent to near opaque.
APATITE					
BARITE	Tr	3%	1%		White, colourless, rarely pale orange, tabular to more rounded, translucent to near opaque, often etched and frosted, moderately worn.
CALCITE					
CASSITERITE					
CORUNDUM			Tr		1+0.25, blue, anhedral, transparent to translucent, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	59%		Red-brown, yellow-brown, brown, dull, subangular to pisolitic in the larger fractions.
GARNET					
GOLD					
GORCEIXITE	Tr	Tr	Tr		Creamy brown, beige, red-brown, orange-brown, dull to sub-resinous opaques.
HAEMATITE	Tr	Tr	Tr		Very rare. Silvery-black plates and platy clusters.
ILMENITE	Tr	2%	20%		Silvery-black subhedra, bright metallic lustre, moderately worn, rarely well rounded silvery-grey frosted grains.
LEUCOXENE		Tr	Tr		Cream, creamy grey, brown, grey-blue, polished to dull, rounded, rarely after ilmenite.
MN OXIDE	Tr	Tr	Tr		Grey-black, friable nodules.

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	Tr	Orange-brown, cream, yellow-brown, yellow, near spherical resinous opaques.
PYROXENE			Tr	1+0.25, pale brown, tabular, translucent, moderately worn.
RUTILE			Tr	Very rare. Silvery-black well worn grains.
TOURMALINE		Tr	5%	Black-brown, rarely coloured, near spherical.
UNKNOWN MINERAL		Tr	Tr	Dull olive green near spherical opaques, SEM indicates Al Si K Fe.
ZIRCON		Tr	Tr	Orange-brown, pale yellow, orange, yellow, red-brown, colourless, ovate to near spherical very rare subhedral grains, moderately worn.
ROCK FRAGMENTS		Tr	15%	Fe-oxide composites.
COMMENTS: -2.0+0.8 concentrate fully observed.				Observed by: B.G.
-0.8+0.25 concentrate magnetically separated.				Date: July, 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

354544

ASSESSMENT

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

NEGATIVE

STREAMSED
32.76 kgs
83.42 grams
-2.0+0.25 mm
406

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		Silvery-grey, cream, blue, tabular, subhedra, mostly worn aggregates.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Pale blue, tabular, transparent, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	80%		Brown, red-brown, mustard yellow, dull rounded grains, some angular earthy fragments.
GARNET			Tr		Rare. Almandine, pale pink, transparent, broken angular grain.
GOLD					
GORCEIXITE		Tr	Tr		Red-brown, orange, brown, polished amorphous opaque grains.
HAEMATITE					
ILMENITE	Tr	Tr	10%		Iron black to silvery-black, subhedra grains, some grooved and pitted, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Cream, beige, brown, subangular to rounded porcelain-like 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			Tr	Dull grey, black, rounded and finely pitted.
MONAZITE			Tr	Orange, cream, brown, pale yellow, opaque and well rounded with resinous lustre.
RUTILE			Tr	Cherry red, orange, black, yellow, sub-metallic lustre, moderately worn, subhedral, some quite rounded.
TOURMALINE		Tr	10%	Brown, black-brown, all well rounded.
UNKNOWN MINERAL			Tr	Dull olive green, opaque near spherical SEM indicates Al Si K Fe.
ZIRCON		Tr	Tr	Orange, yellow, pale pink, colourless, pale yellow, honey brown, vitreous euhedra to broken euhedra, often with vesicular inclusions, also frosted and well rounded.
COMMENTS: -2.0+0.8 concentrate fully observed. Observed J.D. by: Date: July, 1998 NM -0.8+0.25 concentrate magnetically separated. M6/7 -0.8+0.25 concentrate fully observed. M4/5 -0.8+0.25 concentrate fully observed. M1/2/3 Scalp not observed				



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354545

ASSESSMENT

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

POSITIVE

STREAMSED
28.54 kgs
104.27 grams
-2.0+0.20 mm
406

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.20		
DIAMOND			Tr		1+0.25 colourless, broken macle, stepped, with small black inclusions.
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	+0.20		
AMPHIBOLE					
ANATASE			Tr		Silver-grey, yellow-green, golden, blue, translucent to opaque, subhedral tabular grains.
APATITE					
BARITE	Tr	15%	5%		White, colourless, palest yellow, grey, mostly opaque rounded granular grains, some glassy tabular also frosted and etched.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	82%	67%		Mustard yellow to dark brown, dull and well rounded.
GARNET					
GOLD					
GORCEIXITE		Tr	Tr		Orange-brown, worn polished amorphous grains.
HAEMATITE			Tr		Silvery-black, platy with high metallic lustre.
ILMENITE	Tr	2%	15%		Black, subhedral, also quite rounded sub-metallic to vitreous on fracture, tabular, grooved, also some partly leucoxenised.
KYANITE			Tr		Colourless with slightest hint of blue, tabular with good cleavage.
LEUCOXENE		Tr	Tr		Cream, brown, beige, after ilmenite mostly angular, porcelain-like.
MAGNETITE					

MN OXIDE			Tr	Dull grey-black, rounded and pitted.
MONAZITE		Tr	Tr	Pale orange-brown, orange, honey brown, well rounded with resinous lustre.
RUTILE			Tr	Black, cherry red, moderately worn with silvery sheen.
TOURMALINE		1%	15%	Black-brown, blue, orange-brown, green, near spherical smooth to frosted surface.
UNKNOWN MINERAL		Tr	Tr	Dull olive green, opaque near spherical, SEM indicates Al Si K Fe.
ZIRCON		Tr	3%	Orange, pale pink, colourless, euhedra, broken euhedra, vitreous, also some well rounded and frosted.
COMMENTS: -2.0+0.8 concentrate fully observed. Observed by: J.D./B.G. -0.8+0.20 concentrate magnetically separated. Date: August 1998 NM -0.8+0.20 fully obs. M6/7 -0.8+0.20 fully obs. M4/5 -0.8+0.20 fully obs. M1/2/3 Scalp not observed.				



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354546

ASSESSMENT

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

NEGATIVE

STREAMSED
26.88 kgs
194.18 grams
-2.0+0.25 mm
405

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		Beige-blue, grey-blue, yellow, beige/blue, sub/anhedra, translucent to near opaque, moderately worn.
APATITE					
BARITE	Tr	3%	Tr		Colourless, white, rarely orange, tabular, blocky to more rounded, transparent to near opaque, often etched and frosted, some granular aggregates.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	40%	2%		Brown, red-brown, yellow-brown, dull, subangular to pisolitic in the larger fractions.
GARNET					
GOLD					
GORCEIXITE	Tr	Tr	Tr		Orange-brown, red-brown, yellow-brown, orange, yellow, cream, rounded amorphous sub-resinous to dull opaque grains.
HAEMATITE					
ILMENITE	Tr	55%	98%		Silvery-black subhedra, strong metallic lustre, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, grey, brown, blue-grey, polished, after ilmenite.
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	Tr	Orange, grey, creamy orange, near spherical resinous opaques.
PYROXENE	Tr	Tr	Tr	Dark brown to yellowish-brown blocky laths, striate, moderately worn.
RUTILE		Tr	Tr	Very rare. Blackish-brown, cherry red, well rounded anhedral.
SPHENE				
TOURMALINE	Tr	2%	Tr	Black-brown, rare coloured grains, near spherical.
ZIRCON		Tr	Tr	Orange-brown, red, yellow, beige, colourless, pink, ovate to near spherical, translucent, also broken transparent euhedra.
COMMENTS: -2.0+0.8 concentrate fully observed.				Observed by: B.G.
-0.8+0.25 concentrate magnetically separated.				Date: July, 1998
-0.8+0.25 fully obs.				
NM				
M6/7	-0.8+0.4 fully obs, -0.4+0.25 ¼ obs.			
M4/5	-0.8+0.4 fully obs, -0.4+0.25 not observed.			
M1/2/3	Scalp not observed.			



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354547

ASSESSMENT

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

NEGATIVE

STREAMSED
22.50 kgs
43.92 grams
-2.0+0.25 mm
406

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Blue/beige, grey, yellow-beige, grey-blue, beige, sub/anhedral, some quite granular, translucent to opaque.
APATITE					
BARITE	Tr	4%	3%		White, colourless, orange, colourless/yellow, tabular to more blocky, some more rounded, often etched and frosted, transparent to translucent, moderately worn.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	93%	65%		Red-brown, yellow-brown, orange-brown, dull, subangular to pisolitic in the larger fractions.
GARNET			Tr		Almandine, pale pink, subangular to rounded, very low Mg bearing.
GOLD					
GORCEIXITE	Tr	Tr	Tr		Orange-brown, beige, red-brown, yellow-brown, yellow, red, creamy-orange, dull to resinous, amorphous, translucent to opaque, rarely near spherical.
HAEMATITE					
ILMENITE		3%	30%		Silvery-black subhedra, strong metallic lustre, moderately worn, also some well rounded silvery-grey frosted grains.
KYANITE					
LEUCOXENE		Tr	Tr		Cream, beige, brown, dull.

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			Tr	Very rare. Pale brown biotite, flaky.
MN OXIDE				
MONAZITE		Tr	Tr	Cream, orange, well rounded resinous opaques.
PHOSPHATES				
RUTILE			Tr	Very rare. Silvery-black, cherry red, well rounded anheda.
TOURMALINE	Tr	Tr	2%	Black-brown, rarely coloured, near spherical.
ZIRCON		Tr	Tr	Orange-brown, yellow, orange-red, colourless, beige, beige-brown ovate to near spherical, translucent, also rare transparent euhedra with small vesicular inclusions.
ROCK FRAGMENTS		Tr	Tr	Fe-oxide/quartz concretions.
COMMENTS:	-2.0+0.8 fully observed.			Observed B.G.
	-0.8+0.25 concentrate magnetically separated.			by: Date: July 1998
	-0.8+0.25 fully observed.			
NM				
M6/7	-0.8+0.4 fully obs, -0.4+0.25 ½ obs.			
M4/5	-0.8+0.25 fully observed.			
M1/2/3	Scalp not observed.			



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354548

ASSESSMENT

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

NEGATIVE

STREAMSED
28.76 kgs
298.94 grams
-2.0+0.25 mm
406

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		Grey, brownish-yellow, grey-blue, yellow, sub/anhedra, some quite granular, translucent to near opaque.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	34%		Yellow-brown, red-brown, brown, dull, sub-rounded to pisolitic.
GARNET					
GOLD					
GORCEIXITE	Tr	Tr	Tr		Brown, orange-brown, beige, grey, creamy yellow, sub-resinous to dull amorphous opaques.
HAEMATITE					
ILMENITE		5%	65%		Silvery-black subhedra, strong metallic lustre, also rare more frosted well rounded grains.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, brown, grey, generally well rounded dull opaques.
MAGNETITE					
MICA		Tr			1+0.4 blackish-brown/colourless flake.
MN OXIDE					

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

MONAZITE		Tr	Tr	Grey, cream, orange, creamy orange, near spherical resinous opaques.
PHOSPHATES				
PREHNITE				
PYROXENE		Tr	Tr	Very rare. Brownish to brownish-yellow, elongate to more blocky, translucent, moderately worn.
TOURMALINE		Tr	1%	Black-brown, rarely coloured, near spherical.
UNKNOWN MINERAL		Tr	Tr	Dull olive green near spherical opaques, SEM indicates Al Si K Fe.
ZIRCON		Tr	Tr	Pale creamy yellow, orange, yellow, colourless, ovate to near spherical translucent grains, very rarely subhedral, transparent.
COMMENTS: -2.0+1.2 fully observed. -1.2+0.8 fully observed. -0.8+0.25 concentrate magnetically separated. NM -0.8+0.25 fully observed. M6/7 -0.8+0.4 fully obs, -0.4+0.25 ¼ obs. M4/5 -0.8+0.4 fully obs, -0.4+0.25 1/8 obs. M1/2/3 Scalp not observed.				Observed by: B.G. Date: July, 1998



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354549

ASSESSMENT

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

NEGATIVE

STREAMSED
15.94 kgs
617.20 grams
-2.0+0.25 mm
406

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			Grey-blue, worn granular aggregate.
APATITE					
BARITE	Tr	Tr	Tr		White, colourless, transparent, blocky to quite rounded, frosted and etched.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	10%	2%		Dark chocolate brown through to brick red, mostly well rounded, some earthy angular fragments.
GARNET					
GOLD					
GORCEIXITE		Tr	Tr		Red-brown, cream, pale orange, opaque, polished amorphous grains.
HAEMATITE					
ILMENITE	Tr	90%	98%		Iron black, silvery-black, subhedral, quite dull through to high metallic lustre, well rounded and finely pitted, rarely partly leucogenised.
KYANITE					
LEUCOXENE			Tr		Beige, grey, angular to rounded porcelain-like 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		Tr	Tr	Dull grey-black, subangular, pitted.
MONAZITE		Tr	Tr	Orange-brown, red-brown, orange, creamy yellow, opaque and well rounded, resinous.
PHOSPHATES				
PREHNITE				
PYROXENE			Tr	Pale brown, sub-transparent to subtranslucent, elongate with surface striations.
RUTILE			Tr	Cherry red, silvery sheen, moderately worn.
TOURMALINE	Tr	Tr	Tr	Black, brown, green, all well rounded grains, often frosted.
XENOTIME				
ZIRCON		Tr	Tr	Brown, orange, yellow, colourless, rare euhedra, vitreous transparent to opaque, well rounded with frosted appearance.
COMMENTS:	-2.0+0.8 fully obs.			Observed J.D.
	-0.8+0.25 concentrate magnetically separated.			by: Date: July, 1998
NM	-0.8+0.25 fully obs.			
M6/7	-0.8+0.4 fully obs, -0.4+0.25, ½ obs.			
M4/5	-0.8+0.4 fully obs, -0.4+0.25 not observed.			
M1/2/3	Scalp not observed			



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

354550

ASSESSMENT

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

NEGATIVE

STREAMSED
21.62 kgs
146.97 grams
-2.0+0.25 mm
406

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

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Grey-blue, yellow, blue, golden yellow, beige, sub/anhedra, translucent to near opaque, moderately worn.
APATITE					
BARITE	Tr	Tr	Tr		Creamy white, colourless, blocky, elongate, some more rounded, transparent to near opaque, some quite sugary, often frosted and etched.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	35%	2%		Yellow-brown, red-brown, brown, subangular to pisolitic in the larger fractions.
GARNET					
GOLD					
GORCEIXITE	Tr	Tr	Tr		Cream, red-brown, creamy brown, orange-brown, orange, sub-resinous to dull amorphous opaques.
HAEMATITE					
ILMENITE	Tr	65%	98%		Silvery-black subhedra, moderately worn, also well rounded, more frosted
KYANITE			Tr		1+0.25, colourless, Fe-stained banding, bladed, moderately worn.

LEUCOXENE		Tr	Tr	Brown, tan, beige, grey-green, polished, some dull well rounded grains.
MAGNETITE				
MICA		Tr	Tr	Very rare. Colourless, brown, palest green flakes.
MN OXIDE				
MONAZITE		Tr	Tr	Very rare. Yellow, orange, near spherical resinous opaques.
RUTILE				
TOURMALINE	Tr	Tr	Tr	Black-brown, rarely coloured, near spherical.
UNKNOWN MINERAL	Tr	Tr	Tr	Dull olive green near spherical opaques, also often as a composite grain with Fe-oxide.
ZIRCON		Tr	Tr	orange, colourless, beige, near spherical, translucent, also rarely euhedral, transparent, very rarely as concretions studded with zircon.
<p>COMMENTS: -2.0+0.8 fully obs.</p> <p>-0.8+0.25 concentrate magnetically separated.</p> <p>-0.8+0.25 fully observed.</p> <p>NM</p> <p>M6/7 -0.8+0.25 fully observed.</p> <p>M4/5 -0.8+0.4 fully obs, -0.4+0.25 not observed.</p> <p>M1/2/3 Scalp not observed.</p>				
				<p>Observed B.G.</p> <p>by: Date: July, 1998</p>