



DIATECH
Ph 61 9 361 2596
Fx 61 9 470 1504

File: 96-061.doc

HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332767

ASSESSMENT

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

NEGATIVE

STREAMSED
22.06 kgs
14.1 grams
-1.2+0.25 mm

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

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Blue-grey, worn subhedra.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		1 + 0.25mm, pale blue, tabular, vitreous.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	85%	20%		Dull, orange-brown.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		10%	45%		Dull, partially leucoxenised.
KYANITE	Tr				1 + 0.8mm, colourless, Fe-stained, bladed, moderately worn.
LEUCOXENE		Tr	Tr		Cream, grey, opaque.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Well rounded, orange-red, resinous.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, near spherical
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		5%	35%		Well rounded, near spherical, black-brown.
XENOTIME					
ZIRCON			Tr		Rare. Usually colourless, near spherical, some more fresh euhedra, pink, peach.
ROCK FRAGMENTS					

COMMENTS:

Observed
by:
Date:

L.F.
August,
1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332768

ASSESSMENT

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

NEGATIVE

STREAMSED
24.58 kgs
2.5 grams
-1.2+0.25 mm

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

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Colourless, blue, transparent, translucent, sub/anhydral, tabular, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	97%	10%	5%		Reddish-brown, brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		84%	70%		Silvery-black, sub/anhydral, subangular, tabular, rounded.
KYANITE					
LEUCOXENE	2%	5%	20%		Creamy, beige, brown, greyish, dull to porcelain-like surface.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	1%	1%	Tr		Pinkish-orange, orange, opaque, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden brown, translucent, anhydral, worn.
SULPHIDES					
TOURMALINE					
XENOTIME					
ZIRCON		Tr	5%		Colourless, some Fe-stained, transparent, anhydral, blocky to rounded.
ROCK FRAGMENTS					

COMMENTS: Conc has been MI separated

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332769

ASSESSMENT

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

POSITIVE

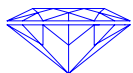
STREAMSED
28.92 kgs
3.4 grams
-1.2+0.25 mm

KEY MINERALS	% +0.8	% +0.4	% +0.25	BRIEF DESCRIPTION
DIAMOND				
PYROPE				
CHROMITE/CR SPINEL				
CHROME DIOPSIDE				
PICROILMENITE	Tr		Tr	1 + 0.8mm (4.95% MgO, 0.27% Cr ₂ O ₃), 1 + 0.25mm (6.56% MgO, 0.49% Cr ₂ O ₃), the larger grain is dull, silvery-black, rounded, pocked surface, dull fracture, the smaller grain, rounded, more vitreous.
PHLOGOPITE				
OTHER				

OTHER MINERALS	% +0.8	% +0.4	% +0.25	BRIEF DESCRIPTION
AMPHIBOLE				
ANATASE		Tr	Tr	Platy, blue-grey to yellow-grey subhedra, worn.
APATITE				
BARITE				
CALCITE				
CASSITERITE				
CORUNDUM				
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	50%	5%	Dull, red-brown.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE	Tr	50%	72%	Silvery-black, moderately worn.
KYANITE				
LEUCOXENE		Tr	15%	Cream, grey, mid-brown, quite polished, after ilmenite.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE			Tr	Well rounded, near spherical, red-orange, resinous.
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE				
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE	Tr	Tr	Tr	Well rounded, black-brown grains.
XENOTIME				
ZIRCON		Tr	8%	Colourless, yellow, orange, near spherical.
ROCK FRAGMENTS				

COMMENTS: Conc has been MI separated.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332770

ASSESSMENT

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

NEGATIVE

STREAMSED
36.42 kgs
22.5 grams
-1.2+0.25 mm

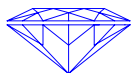
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Pale blue, pale yellow, transparent, translucent, sub/anhedral, tabular, moderately worn to worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	88%	33%		Yellow-brown, reddish-brown, dull, subangular, blocky, worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		7%	50%		Silvery-black, sub/anhedral, subangular, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE			2%		Greyish-brown, subangular, tabular, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		3%	Tr		Yellow, opaque, dull, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		2%	15%		Brown-black, anhedral, well rounded.
XENOTIME					
ZIRCON			Tr		Orange, opaque, subhedral, slightly worn.
ROCK FRAGMENTS					

COMMENTS:

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332771

ASSESSMENT

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

NEGATIVE

STREAMSED
17.08 kgs
1.0 grams
-1.2+0.25 mm

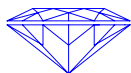
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Rare. Colourless, inclusions, worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	30%	Tr		Dull, red-brown.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		30%	20%		Dull, silvery-black, partly leucogenised.
KYANITE					
LEUCOXENE		Tr	40%		Beige, cream, polished, porcelain-like, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Red-orange, resinous, rounded, opaque.
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare, cherry red, worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	40%	25%		Black-brown, near spherical.
XENOTIME					
ZIRCON			15%		Mainly colourless, near spherical, also rare, yellow, Fe-stained grains.
ROCK FRAGMENTS					

COMMENTS:

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332772

ASSESSMENT

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

NEGATIVE

STREAMSED
23.88 kgs
15.2 grams
-1.2+0.25 mm

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

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	15%	Tr		Reddish-brown, brown, dull, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		78%	72%		Silvery-black, sub/anhedral, subangular, tabular, rounded.
KYANITE					
LEUCOXENE		2%	20%		Creamy, beige, brown, mostly dull, rounded, some blocky, subangular.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	5%	4%		Orange, pinkish-orange, reddish-brown, opaque, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			2%		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON		Tr	2%		Colourless, yellow, orange, Fe-staining, Transparent to opaque, anhedral, rounded.
ROCK FRAGMENTS					

COMMENTS: Conc has been MI separated.

Observed
by:
Date:

S.M.
August,
1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332773

ASSESSMENT

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

NEGATIVE

STREAMSED
26.32 kgs
19.2 grams
-1.2+0.25 mm

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		1 + 0.25mm, spherical, dull, matt, brownish-black, smooth surface. Not kimb
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		Rare, yellow-green, moderately worn.
FE OXIDE/HYDROXIDE	100%	80%	15%		Dull, red-brown, flaky to pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		20%	65%		Silvery-black, blocky, moderately worn.
KYANITE					
LEUCOXENE			10%		Cream, beige, brown, porcelain-like, polished.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Resinous, orange-red, near spherical.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Near spherical, black-brown.
XENOTIME					
ZIRCON			10%		Colourless, yellow, orange, reddish, near spherical.
ROCK FRAGMENTS					

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

COMMENTS: Conc has been MAG separated.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332774

ASSESSMENT

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

NEGATIVE

STREAMSED
26.20 kgs
10.0 grams
-1.2+0.25 mm

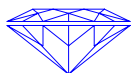
KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

% % %

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	91%	38%		Yellow-brown, reddish-brown, dull, subangular, blocky, worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		4%	12%		Silvery-black, sub/anhedral, subangular, tabular, blocky, moderately worn to worn.
KYANITE					
LEUCOXENE			8%		Creamy, beige, brown, anhedral, dull to sub-porcelain like surface, worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		2%	2%		Pinkish-orange, orange-brown, opaque, resinous, anhedral, rounded.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		3%	40%		Brown-black, brown, anhedral, rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					

COMMENTS:

Observed
by:
Date:S.M.
August,
1996.DIATECH
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File: 96-061.doc

HEAVY MINERAL ANALYSIS SHEET**SAMPLE NO****332775****ASSESSMENT**Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed**NEGATIVE**STREAMSED
30.66 kgs
2.6 grams
-1.2+0.25 mm

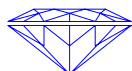
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	Tr	Tr		Red-brown, dull, pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		100%	30%		Dull, partly leucoxenised.
KYANITE					
LEUCOXENE		Tr	35%		Cream, beige, brown, worn, porcelain-like, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Red-orange, resinous, rounded, opaque.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare. Silvery-black to cherry red, near spherical.
SPHENE					
SPINEL					
STAUROLITE	Tr		Tr		Rare. Orange-brown, worn, translucent.
SULPHIDES					
TOURMALINE			Tr		Black-brown, near spherical.
XENOTIME					
ZIRCON		Tr	35%		Mainly colourless, also reddish-orange, orange, yellow, pink, near spherical.
ROCK FRAGMENTS					

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

COMMENTS: Conc has been MI separated.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332776

ASSESSMENT

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

NEGATIVE*

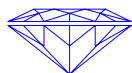
STREAMSED
20.62 kgs
0.9 grams
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Pale grey-blue, tabular, moderately worn to worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	90%	Tr		Dull, red-brown, pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		5%	40%		Silvery-black, moderately worn. 1+0.25mm, rounded, 2.48% MgO, 0.32% Cr ₂ O ₃)
KYANITE					
LEUCOXENE		Tr	20%		Beige, cream, polished, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		5%	40%		Black-brown, near spherical.
XENOTIME					
ZIRCON			Tr		Colourless, some reddish-orange, near spherical.
ROCK FRAGMENTS					

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

COMMENTS:

Observed
by:
Date:L.F.
August,
1996.DIATECH
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HEAVY MINERAL ANALYSIS SHEET**SAMPLE NO****332777****ASSESSMENT**Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed**NEGATIVE**STREAMSED
22.10 kgs
2.4 grams
-1.2+0.25 mm

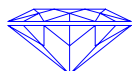
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Dull, grey, worn subhedra.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	70%	40%		Yellow-brown, red-brown, dull, earthy.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		18%	35%		Silvery-black, moderately worn.
KYANITE					
LEUCOXENE		2%	15%		Cream, beige, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	10%	5%		Includes monazite, red-orange, red-brown, cream, peach, resinous.
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, worn, rare.
SPHENE					
SPINEL					
STAUROLITE			Tr		1 + 0.25mm, moderately worn, transparent, orange-brown, blocky.
SULPHIDES					
TOURMALINE			Tr		Rare, near spherical, black-brown grains.
XENOTIME					
ZIRCON			5%		Colourless, near spherical, also orange, yellow.
ROCK FRAGMENTS					

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

COMMENTS: Conc has been MI separated.

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



DIATECH
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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332778

ASSESSMENT

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

NEGATIVE

STREAMSED
22.82 kgs
1.9 grams
-1.2+0.25 mm

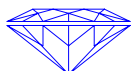
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	35%	10%		Yellow-brown, dull.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		50%	60%		Dull, silvery-black, moderately worn subhedra.
KYANITE					
LEUCOXENE		Tr	15%		Cream, beige, porcelain-like, polished, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		15%	5%		Monazite, resinous, red-orange, also other phosphates.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			Tr		Rare, near spherical, black-brown grains.
XENOTIME					
ZIRCON			10%		Colourless, orange, yellow, near spherical.
ROCK FRAGMENTS					

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

COMMENTS: Conc has been MI separated.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332779

ASSESSMENT

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

NEGATIVE*

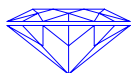
STREAMSED
22.22 kgs
1.1 grams
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Rare. Beige, subhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	90%	85%	5%		Yellow-brown, red-brown, dull, pisolites/fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	5%		Silvery-black, moderately worn. *Some have low Mg: 1.66-2.25% MgO, 0-0.22% Cr2O3
KYANITE					
LEUCOXENE		Tr	10%		Grey-brown, beige, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	10%	5%	Tr		Ochre brown, orange-brown, dull, resinous opaques.
PREHNITE					
PYROXENE					
RUTILE			5%		Cherry red, black, generally worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		10%	55%		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	20%		Colourless, orange-red, some Fe-staining, well rounded.
ROCK FRAGMENTS					

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

COMMENTS:

Observed
by:
Date:B.G.
August,
1996.DIATECH
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HEAVY MINERAL ANALYSIS SHEET**SAMPLE NO****332780****ASSESSMENT**Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed**NEGATIVE**STREAMSED
16.48 kgs
0.7 grams
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Palest yellow, tabular, worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		1 + 0.25mm, blue, worn, tabular.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	80%	Tr		Dull, red-brown.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	40%		Dull, silvery-black, partly leucoxenised.
KYANITE					
LEUCOXENE			20%		Beige, cream, polished.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		20%	30%		Black-brown, near spherical.
XENOTIME					
ZIRCON			10%		Colourless, near spherical.
ROCK FRAGMENTS					

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

COMMENTS:

 Observed
by:
Date:

 L.F.
August,
1996.

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File: 96-061.doc

HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO
332781
ASSESSMENT

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

NEGATIVE

 STREAMSED
26.02 kgs
12.3 grams
-1.2+0.25 mm

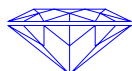
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Grey-blue, pale yellow, sub/anhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	60%	45%		Yellow-brown, red-brown, pisolitic, dull.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	35%	45%		Silvery-black, blocky to tabular.
KYANITE					
LEUCOXENE		5%	10%		Grey, beige, brown, cream, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Orange, beige-brown, resinous, well rounded.
PHOSPHATES	Tr	Tr	Tr		Orange-brown, red-brown, blocky, resinous opaques.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Rare. Cherry red, anhedral, moderately worn to worn.
SPHENE					
SPINEL					
STAUROLITE		Tr	Tr		Rare. Golden-brown, anhedral, worn.
SULPHIDES					
TOURMALINE		T	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, orange, well rounded, rarely subhedral.
ROCK FRAGMENTS					

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

COMMENTS: Conc has been MI separated.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332782

ASSESSMENT

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

NEGATIVE

STREAMSED
23.28 kgs
1.9 grams
-1.2+0.25 mm

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

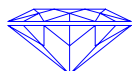
OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	20%	10%		Yellow-brown, red-brown, dull, flaky.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		70%	65%		Silvery-black, blocky, moderately worn, partly leucoxenised.
KYANITE					
LEUCOXENE		10%	20%		Beige, cream, polished, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Red-orange, resinous, opaque, rounded.
PHOSPHATES		Tr	Tr		Cream, resinous, opaque.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			Tr		Near spherical, black-brown grains.
XENOTIME					
ZIRCON			5%		Colourless, pale yellow, orange, Fe-stained, near spherical.
ROCK FRAGMENTS					

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

COMMENTS: Conc has been MI separated.

Observed
by:
Date:

L.F.
August,
1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332783

ASSESSMENT

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

NEGATIVE

STREAMSED
26.30 kgs
37.0 grams
-1.2+0.25 mm

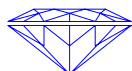
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Yellow-beige, blue-grey, sub/anhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE		Tr			1 + 0.4mm, cherry red/black, subangular, moderately worn.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	Tr	Tr		Yellow-brown, well rounded, dull.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	75%	70%		Silvery-black, blocky to rounded, moderately worn.
KYANITE			Tr		Rare. Colourless, bladed, included, moderately worn.
LEUCOXENE		25%	30%		Tan, beige, grey-brown, porcelain-like after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange, creamy-yellow, resinous opaques.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Fe-stained, colourless, well rounded.
ROCK FRAGMENTS					

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

COMMENTS: -1.2 + 0.4mm fully observed.
-0.4 + 0.25mm, 1/8 split observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332784

ASSESSMENT

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

NEGATIVE

STREAMSED
32.22 kgs
5949.1 grams
-1.2+0.25 mm

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

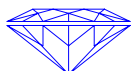
	%	%	%		
OTHER MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Palest blue, golden yellow, tabular, moderately fresh subhedra.
APATITE			15%		Fresh, colourless, sub/euhedra, elongate, hexagonal.
BARITE			Tr		Creamy white, sugary texture.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	35%		Dull, red-brown.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		5%	50%		Abundance of silvery-black, moderately fresh subhedra.
KYANITE					
LEUCOXENE		Tr	Tr		Worn, beige, brown, cream, polished.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			Tr		Well rounded, near spherical, black-brown grains.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					

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

COMMENTS: Sample has been MAG separated, M1/2/3/4/5 not observed.
M 6/7 -0.4 + 0.25, ¼ split observed.

Observed
by:
Date:

L.F.
August,
1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332785

ASSESSMENT

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

NEGATIVE

STREAMSED
27.30 kgs
3565.8 grams
-1.2+0.25 mm

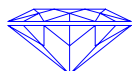
	%	%	%		
KEY MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

	%	%	%		
OTHER MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Rare, blue-grey, golden yellow, moderately worn, tabular subhedra
APATITE			Tr		Colourless, moderately fresh to fresh, prismatic, transparent.
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		Yellow-green, rare, moderately fresh.
FE OXIDE HYDROXIDE	100%	40%	15%		Prismatic, red-brown, yellow-brown.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		55%	70%		Silvery-black, moderately fresh to fresh, subhedra.
KYANITE					
LEUCOXENE		5%	15%		Beige, greyish, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			Tr		Near spherical, black-brown.
XENOTIME					
ZIRCON		Tr	Tr		1 + 0.4mm, rare + 0.25mm, colourless, well rounded.
ROCK FRAGMENTS					

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

COMMENTS: Conc has been MAG separated, M1/2/3/4/5 not observed.
M 6/7 ¼ split observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332786

ASSESSMENT

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

NEGATIVE

STREAMSED
21.34 kgs
47.7 grams
-1.2+0.25 mm

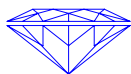
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Rare, blue, translucent, subhedral, blocky, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		Yellow-green, translucent, subhedral, blocky, moderately worn.
FE OXIDE/HYDROXIDE	98%	15%	1%		Reddish-brown, brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	2%	60%	85%		Silvery-black, sub/anhedral, blocky, subangular, moderately worn.
KYANITE					
LEUCOXENE		25%	14%		Cream, yellow, brown, porcelain-like surface, sub/anhedral, blocky, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, transparent, anhedral, rounded.
ROCK FRAGMENTS					

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

COMMENTS: Conc MAG separated.
N/M fully observed
M 6/7 fully observed
M4/5 + 0.8 + 0.4mm fully observed
M 4/5 + 0.25mm, 1/8 split observed.

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



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Ph 61 9 361 2596
Fx 61 9 470 1504

File: 96-061.doc

HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332787

ASSESSMENT

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

NEGATIVE

STREAMSED
22.96 kgs
5150.9 grams
-1.2+0.25 mm

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE	Tr	7%	15%		Yellow, golden, rare blue, opaque, translucent, sub/anhydral, blocky, tabular, slightly to moderately worn.
APATITE		Tr	Tr		Colourless, transparent, sub/anhydral, prismatic, some striate, slightly to moderately worn.
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	93%	50%		Tan, reddish-brown, dull, subangular, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	15%		Silvery-black, sub/anhydral, angular, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE		Tr	20%		Creamy-beige, brown, dull to porcelain-like surface.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			Tr		Black, anhydral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, transparent, anhydral, rounded.

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

ROCK FRAGMENTS				
COMMENTS:	Conc has been MAG separated N/M ½ split observed. M 6/7 1/16 split observed Remaining fractions not observed.			Observed by: Date: S.M. August, 1996.



DIATECH
Ph 61 9 361 2596
Fx 61 9 470 1504

File: 96-061.doc

HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332788

ASSESSMENT

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

NEGATIVE

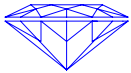
STREAMSED
26.46 kgs
33.9 grams
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Grey, grey-blue sub/anhedra, moderately worn
APATITE			Tr		Rare. Colourless, prismatic, moderately worn.
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	45%	20%		Red-brown, yellow-brown, dull pisolites/fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	45%	55%		Silvery-black, tabular, rounded, moderately worn.
KYANITE					
LEUCOXENE		10%	20%		Grey-brown, beige, tan, porcelain-like, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	5%		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, Fe-stained, well rounded.
ROCK FRAGMENTS					

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

COMMENTS:	Conc has been MAG separated.	Observed	B.G.
	NM -1.2 + 0.25mm fully observed.	by:	August, 1996
	M 6/7 -1.2 + 0.4mm fully observed.	Date:	
	-0.4 + 0.25mm ½ split observed.		
	M 4/5 -1.2 + 0.4mm fully observed.		
	-0.4 + 0.25mm ¼ split observed.		



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332789

ASSESSMENT

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

NEGATIVE

STREAMSED
28.24 kgs
3641.7 grams
-1.2+0.25 mm

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE		Tr	Tr		Blue-grey, golden yellow, subtranslucent, subhedral.
APATITE		Tr	Tr		Colourless, subhedral, surface striate, frosted.
BARITE	Tr				White, frosted, etched, rounded.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	60%	40%		Brown, red-brown, rounded, angular.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		35%	45%		Silvery-black, tabular, blocky, angular, grooved.
KYANITE					
LEUCOXENE		5%	15%		Beige, brown, cream, blue-grey, rounded, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE	Tr		Tr		Red-brown, black, subhedral, blocky, granular.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black, brown, well rounded.
XENOTIME					
ZIRCON			Tr		Honey brown, colourless, rounded, 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

ROCK FRAGMENTS				
COMMENTS: Sample has been Mag separated. N/M fully observed. M 6/7, 1/8 split observed. M 4/5 not observed.				Observed by: J.D. Date: August, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332790

ASSESSMENT

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

NEGATIVE*

STREAMSED
26.00 kgs
110.2 grams
-1.2+0.25 mm

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

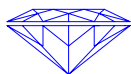
% % %

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			1%		Yellow, subtranslucent, opaque, subhedral, slightly worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	50%	26%		Yellow-brown, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	50%	70%		Silvery-black, sub/anhedral, blocky, moderately worn, rare rounded, *some may have low Mg content.
KYANITE					
LEUCOXENE			1%		Beige, brown, sub/anhedral, blocky, porcelain-like surface.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr			Yellow-orange, subtranslucent, subhedral, tabular, worn.
PHOSPHATES		Tr	Tr		Orange-brown, resinous opaques, anhedral, rounded.
PREHNITE					
PYROXENE					
RUTILE			Tr		Red, subtranslucent, anhedral, blocky, worn.
SPHENE		Tr	Tr		Brown, subtranslucent, subhedral, moderately worn.
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			2%		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, some Fe-stained, transparent, rounded.
ROCK FRAGMENTS					

COMMENTS: Conc has been MAG separated
N/M fully observed
M 6/7, ½ split observed
M 4/5 ¼ split observed

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332791

ASSESSMENT

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

NEGATIVE

STREAMSED
24.22 kgs
2883.9 grams
-1.2+0.25 mm

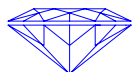
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Rare. Grey-blue, yellow-brown, blue sub/anhedra, moderately worn.
APATITE		Tr	Tr		Colourless, prismatic, some frosted, moderately worn.
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	60%	65%		Yellow-brown, red-brown, dull pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	20%	15%		Silvery-black, sub/anhedral, moderately worn.
KYANITE					
LEUCOXENE		20%	20%		Tan, beige, grey porcelain-like surface, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Rare. Orange, resinous, blocky, opaque.
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare. Black, dull, subhedral, moderately worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, Fe-stained, orange-red, well rounded.
ROCK FRAGMENTS					

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

COMMENTS: Conc has been MAG separated.
 NM -1.2 + 0.4mm fully observed
 -0.4 + 0.25mm, ¼ split observed.
 M 6/7 -1.2 + 0.4mm fully observed.
 -0.4 + 0.25mm, ¼ split observed.
 M1/2, M3, M 4/5 not observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332792

ASSESSMENT

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

NEGATIVE

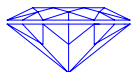
STREAMSED
 23.56 kgs
 88.8 grams
 -1.2+0.25 mm

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE		Tr	Tr		Blue, subtranslucent, subhedral, blocky, tabular, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	20%	10%		Yellow-brown, brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	30%	45%		Silvery-black, sub/anhedral, tabular, angular, moderately worn.
KYANITE					
LEUCOXENE	Tr	50%	45%		Creamy, yellow, brown, sub/anhedral, tabular, angular, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	Tr	Tr		Orange, opaque, resinous, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE	Tr				Orange-red, subtranslucent, anhedral, blocky, worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Brown-black, brown, anhedral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, some Fe-staining, translucent, anhedral, rounded.

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

ROCK FRAGMENTS				
COMMENTS:	Conc has been MAG separated. N/M fully observed M 6/7 ½ split observed M 4/5 1/8 split observed			Observed by: S.M. Date: August, 1996



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332793

ASSESSMENT

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

NEGATIVE

STREAMSED
27.74 kgs
29.4 grams
-1.2+0.25 mm

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

% % %

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	50%	5%		Yellow-brown, brown, dull, angular, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	30%	68%		Silvery-black, sub/anedral, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE	Tr	20%	25%		Cream, beige, tan, brown, sub/anedral, tabular, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	Tr	Tr		Orange, orange-brown, resinous, opaque, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	2%		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, yellow, Fe-stained, transparent, translucent, anhedral, rounded.

ROCK FRAGMENTS				
COMMENTS:	Conc has been MAG separated			Observed by: S.M. Date: August, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332794

ASSESSMENT

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

NEGATIVE

STREAMSED
23.82 kgs
124.9 grams
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Blue-grey, golden yellow, subhedral. Rare.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	65%	5%	Tr		Brown, red-brown, rounded, angular.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	25%	65%	70%		Black, dull, silvery-black, tabular, blocky, subhedral, grooved.
KYANITE					
LEUCOXENE	10%	30%	30%		Beige, cream, brown, blue-grey.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr			Rare. Pale orange, red-brown, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE	Tr		Tr		Black, cherry red, opaque, rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, frosted, rounded.
SULPHIDES					
TOURMALINE	Tr	Tr	Tr		Black, brown, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, pink, grey, honey brown, well rounded.
ROCK FRAGMENTS					

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

COMMENTS: Sample has been MAG separated
N/M fully observed.
M 6/7 + 0.8 fully observed
+ 0.4 ½ split observed
+ 0.25 ¼ split observed
M 4/5 + 0.8 fully observed
+ 0.4 1/8 split observed
+ 0.25 1/16 split observed

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332795

ASSESSMENT

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

NEGATIVE

STREAMSED
25.24 kgs
2040.2 grams
-1.2+0.25 mm

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

	%	%	%		
OTHER MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		
APATITE			Tr		Rare, colourless, prismatic, moderately fresh.
BARITE	Tr	5%	Tr		White, flat, platy, frosted.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	65%	20%		Dull, pisolitic, red-brown to yellow-brown.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	30%	80%		Silvery-black, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, worn, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare, pale orange-brown, worn.
SULPHIDES					
TOURMALINE			Tr		
XENOTIME					
ZIRCON			Tr		

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

ROCK FRAGMENTS				
COMMENTS:	Sample has been MAG separated, M1/2/3/4/5 not observed M 6/7 -0.4 + 0.25, ½ split observed.			Observed by: L.F. Date: August, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332796

ASSESSMENT

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

NEGATIVE

STREAMSED
29.68 kgs
3502.1 grams
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Deep blue, golden yellow, sub/anhedral.
APATITE			Tr		Colourless, subhedral, slightly frosted.
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	50%	5%		Red-brown, brown, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	40%	45%		Silvery-black, tabular, sharp, angular, grooved.
KYANITE					
LEUCOXENE	Tr	10%	50%		Brown, beige, cream, blue-grey, rounded, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Red-brown, tabular. Rare.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black, brown, well rounded, subhedral.
XENOTIME					
ZIRCON		Tr	Tr		Yellow-orange, orange-brown, brown, rounded.
ROCK FRAGMENTS					

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

COMMENTS: Sample has been MAG separated.
 N/M +0.8, + 0.4mm, fully observed.
 +0.25mm, ¼ split observed.
 M 6/7 +0.8, + 0.4mm fully observed
 +0.25mm, 1/8 split observed.
 M 4/5 not observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332797

ASSESSMENT

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

NEGATIVE

STREAMSED
 25.50 kgs
 1324.7 grams
 -1.2+0.25 mm

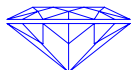
KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	55%	10%	5%		Red-brown, brown, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	45%	75%	80%		Silvery-black, tabular, blocky, angular, grooved.
KYANITE					
LEUCOXENE	Tr	15%	15%		Beige, cream, brown, blocky, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Red-brown, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE			Tr		Red-brown, tabular, subtranslucent.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black, brown, well rounded.
XENOTIME					
ZIRCON			Tr		Red-brown, colourless, rounded.
ROCK FRAGMENTS					

COMMENTS: Sample has been MAG separated.
 N/M fully observed.
 M 6/7 +0.8, +0.4mm fully observed
 +0.25mm, ½ split observed.
 M 4/5 +0.8mm, 1/32 split observed.
 +0.4mm, 1/64 split observed.
 +0.25mm, 1/128 split observed.

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



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HEAVY MINERAL ANALYSIS SHEET (Pre probe)

SAMPLE NO

332798

ASSESSMENT

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

POSS KIMB

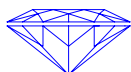
STREAMSED
 23.06 kgs
 36.6 grams
 -1.2+0.25 mm

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

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Golden, blue, translucent, subhedral, blocky, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	50%	10%		Reddish-brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	32%	58%		Silvery-black, sub/anhedral, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE	Tr	15%	20%		Creamy, beige, brown, sub/anhedral, tabular, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		3%	12%		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON					

ROCK FRAGMENTS				
COMMENTS: Conc has been MAG separated.				Observed by: S.M. Date: August, 1996



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332799

ASSESSMENT

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

NEGATIVE

STREAMSED
28.56 kgs
20.2 grams
-1.2+0.25 mm

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

	%	%	%		
OTHER MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE		Tr			Orange-red, worn, transparent.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	60%	Tr	Tr		Red-brown, dull.
GARNET		Tr			1 + 0.4mm, pinkish-orange, worn, anhedral.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	40%	100%	100%		Abundance of silvery-black, moderately worn subhedra.
KYANITE					
LEUCOXENE	Tr	Tr	Tr		After ilmenite, grey-green, beige.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	Tr	Tr		Cream, beige, resinous.
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare, well rounded, silvery-black grains.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Well rounded, black-brown, near spherical.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, some Fe-stained, well rounded.

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

ROCK FRAGMENTS				
COMMENTS: Sample has been MAG separated, M1/2/3 scalp not observed.				Observed by: L.F. Date: August, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332800

ASSESSMENT

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

NEGATIVE

STREAMSED
27.78 kgs
51.2 grams
-1.2+0.25 mm

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

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Blue, silvery-grey, subhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	79%	39%		Brown, red-brown, tan, rounded, blocky.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		20%	40%		Silvery-black, tabular, angular, grooved.
KYANITE					
LEUCOXENE		Tr	5%		Brown, blue-grey, rounded, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Cream, pale orange-brown, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		1%	15%		Black, brown, well rounded.
XENOTIME					
ZIRCON			1%		Colourless, honey brown, cream, well rounded, subhedral.

ROCK FRAGMENTS				
COMMENTS:	Sample has been MAG separated. Sample fully observed.			Observed by: J.D. Date: August, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332801

ASSESSMENT

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

NEGATIVE

STREAMSED
23.48 kgs
14.0 grams
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Yellow, blue, translucent, sub/anedral, blocky, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	63%	42%		Yellow-brown, brown, subangular, blocky, worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		30%	38%		Silvery-black, sub/anedral, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE	Tr	5%	10%		Beige, brown, tabular, blocky, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	Tr	Tr		Orange, brown, resinous, opaque, anedral, worn.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden brown, transparent, anedral, worn.
SULPHIDES					
TOURMALINE	Tr	2%	8%		Brown-black, anedral, rounded.
XENOTIME					
ZIRCON		Tr	2%		Colourless, yellow, reddish-brown, transparent to opaque, anedral, rounded.

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

ROCK FRAGMENTS				
COMMENTS: Conc has been MAG separated.				Observed by: S.M. Date: August, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332802

ASSESSMENT

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

NEGATIVE

STREAMSED
27.48 kgs
1273.4 grams
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Pearl green, opaque, anhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		Yellow-green, tabular.
FE OXIDE/HYDROXIDE	100%	5%	Tr		Brown, red-brown, tan, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	85%	80%		Silvery-black, tabular, angular.
KYANITE					
LEUCOXENE	Tr	10%	20%		Beige, grey, cream, blocky, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr				Red-brown, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE			Tr		Red-brown, subtranslucent, subhedral.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black, brown, blue, well rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					

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

COMMENTS: Sample has been MAG separated.
 N/M fully observed
 M 6/7 fully observed
 M 4/5 + 0.8, + 0.4mm, 1/32 split observed
 + 0.25mm, 1/64 split observed.

Observed J.D.
 by: Sept. 1996.
 Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332803

ASSESSMENT

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

NEGATIVE*

STREAMSED
 21.08 kgs
 31.8 grams
 -1.2+0.25 mm

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Grey, yellow/blue, blue sub/anhedra, moderately worn to worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		1 + 0.25mm, palest green, well rounded, worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	45%		Red-brown, yellow-brown, dull pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	5%	40%		Silvery-black, moderately worn, * some have low Mg content.
KYANITE					
LEUCOXENE		Tr	4%		Beige, blue-grey, grey, cream, porcelain-like, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	Tr	Tr		Brick red, cream, orange-brown, blocky, resinous opaques.
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare. Cherry red, sub/anhedra, moderately worn.
SPHENE					
SPINEL					
STAUROLITE					
TOURMALINE		Tr	10%		Black-brown, rarely coloured, well rounded.
XENOTIME					
ZIRCON			1%		Yellow, orange, colourless, well rounded.
CHALCOPYRITE	Tr		Tr		1 + 0.8mm, 1 + 0.25mm, brassy, fresh, angular.

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

ROCK FRAGMENTS				
COMMENTS: Conc has been MAG separated. -1.2 + 0.25mm NM, M6/7, M4/5 fully observed.				Observed by: B.G. Date: August, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332804

ASSESSMENT

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

NEGATIVE*

STREAMSED
20.42 kgs
2.1 grams
-1.2+0.25 mm

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Rare. Blue, blue-beige, sub/anhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	20%	5%		Yellow-brown, red-brown, brown, pisolites/fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		55%	50%		Silvery-black, moderately worn, * some may have low Mg content.
KYANITE					
LEUCOXENE		24%	20%		Beige, brown, grey-brown, polished, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Orange, resinous, well rounded opaques.
PHOSPHATES	Tr	Tr	Tr		Cream, red-brown, resinous, rounded opaques.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		1%	25%		Black-brown, rarely coloured, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Rare. Colourless, creamy, well rounded.

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

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332805

ASSESSMENT

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

NEGATIVE

STREAMSED
20.30 kgs
375.6 grams
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Yellow, subtranslucent, subhedral, blocky, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	60%	Tr	Tr		Reddish-brown, dull, anhedral, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	30%	98%	98%		Silvery-black, sub/anhedral, tabular, blocky, subangular, rounded.
KYANITE					
LEUCOXENE	10%	2%	2%		Beige, tan, brown, sub/anhedral, tabular, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	Tr	Tr		Pale orange, pinkish-orange, resinous, opaque, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					

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

COMMENTS: Conc has been MAG separated.
+0.8mm, fully observed.
+0.4mm, N/M, M 6/7 fully observed
+0.4mm, M 4/5, 1/32 split observed
+0.25mm N/M fully observed
+0.25mm, M 6/7, 1/2 split observed
+0.25mm, M 4/5, 1/64 split observed.

Observed S.M.
by: Sept. 1996.
Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332806

ASSESSMENT

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

NEGATIVE

STREAMSED
24.04 kgs
1.1 grams
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Blue, pale green, transparent, sub/anhedral, blocky, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	5%	Tr		Brown, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		70%	12%		Silvery-black, sub/anhedral, tabular, angular, blocky, moderately worn.
KYANITE					
LEUCOXENE		10%	30%		Creamy, beige, brown, grey, sub/anhedral, tabular, subangular, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange-brown, sub-resinous, opaque, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		15%	57%		Blue, brown, brown-black, transparent to opaque, anhedral, rounded.
XENOTIME					

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

ZIRCON		Tr	1%	Colourless, yellow, reddish-brown, transparent, translucent, anhedral, rounded.
ROCK FRAGMENTS				
COMMENTS:				Observed by: S.M. Date: August, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332807

ASSESSMENT

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

NEGATIVE

STREAMSED
23.08 kgs
2.3 grams
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	8%	Tr		Reddish-brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	87%	33%		Silvery-black, sub/anhedral, tabular, angular, blocky, moderately worn.
KYANITE					
LEUCOXENE		5%	65%		Creamy, beige, brown, sub/anhedral, tabular, angular, blocky, dull to porcelain-like surface.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE					
XENOTIME					

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

ZIRCON			2%	Colourless, reddish-brown, transparent, subtranslucent, anhedral, rounded.
ROCK FRAGMENTS				
COMMENTS: Conc has been MI separated.				Observed by: S.M. August, 1996. Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332808

ASSESSMENT

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

NEGATIVE*

STREAMSED

25.82 kgs
6.6 grams
-1.2+0.25 mm

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

% % %

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Blue-grey, golden yellow, tabular, moderately fresh subhedra.
APATITE					
BARITE					
CALCITE					
CASSITERITE			Tr		Yellow, transparent, rare.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	10%	Tr		Dull, red-brown, some pisolitic.
GARNET					
GOLD					
GORCEIXITE	Tr				Orange, resinous, opaque.
HAEMATITE					
ILMENITE		90%	83%		Moderately fresh to moderately worn, silvery-black subhedra. *Some have low Mg.
KYANITE					
LEUCOXENE	Tr	Tr	15%		Beige, cream, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	Tr	Tr		Includes monazite.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Rare, silvery-black to dark cherry red, spherical.
STAUROLITE					
SULPHIDES					
TOURMALINE			Tr		Well rounded, black-brown grains.
XENOTIME					
ZIRCON		Tr	2%		Colourless, orange, Fe-stained, near spherical.

ROCK FRAGMENTS				
COMMENTS: Conc has been MI separated.				Observed by: L.F. Date: August, 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332809

ASSESSMENT

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

NEGATIVE

STREAMSED
25.72 kgs
7.7 grams
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Rare. Yellow, anhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE			Tr		1 + 0.25mm, orange-red, blocky, moderately worn.
CORUNDUM			Tr		1 + 0.25mm, palest grey-blue, anhedral, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	85%	40%		Yellow-brown, red-brown, pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		5%	15%		Silvery-black, moderately worn.
KYANITE					
LEUCOXENE		Tr	20%		Beige, brown, grey-brown, porcelain-like surface, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Orange, pinkish-orange, well rounded opaques.
PHOSPHATES	Tr	Tr	Tr		Cream, creamy-brown, resinous, blocky to rounded, resinous opaques.
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		10%	15%		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	10%		Fe-stained, orange, well rounded.
ANDRADITE			Tr		1 + 0.25mm, pale pink, blocky to rounded, moderately worn.

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

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332810

ASSESSMENT

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

NEGATIVE

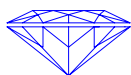
STREAMSED
26.94 kgs
5.7 grams
-1.2+0.25 mm

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Pale yellow, subtranslucent, subhedral, blocky, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	93%	55%		Reddish-brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		5%	20%		Silvery-black, sub/anhedral, subangular, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE		2%	20%		Creamy, orange, brown, dull to porcelain-like surface, blocky, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Pinkish-orange, opaque, resinous, rounded.
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE					
XENOTIME					
ZIRCON			5%		Colourless, reddish-brown, yellow, transparent to opaque, anhedral, rounded.
ROCK FRAGMENTS					

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

COMMENTS: Conc has been MI separated.				Observed by: S.M. Date: August, 1996.
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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332811

ASSESSMENT

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

NEGATIVE

STREAMSED
25.16 kgs
2.9 grams
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Blue, translucent, anhedral, tabular, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	90%	5%	1%		Reddish-brown, dull, subangular, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	2%	66%	20%		Silvery-black, sub/anhedral, subangular, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE	2%	25%	54%		Creamy beige, brown, blocky, subangular, worn, dull to porcelain-like surface.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	5%	1%	Tr		Orange-brown, pinkish-orange, resinous, opaque, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE			Tr		Dark red, subtranslucent, anhedral, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	1%	3%	20%		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON			5%		Colourless, yellow, reddish-brown, transparent to opaque, anhedral, rounded.
ROCK FRAGMENTS					

COMMENTS:

Observed
by:
Date:

S.M.
August,
1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332812

ASSESSMENT

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

NEGATIVE

STREAMSED
20.68 kgs
3.2 grams
-1.2+0.25 mm

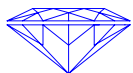
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Blue, transparent, translucent, subhedral, tabular, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	50%	20%		Reddish-brown, dull, subangular, blocky.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	20%	20%		Silvery-black, sub/anhedral, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE		30%	54%		Creamy, beige, brown, grey, tabular, blocky, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	Tr	Tr		Pale orange, tan, resinous, opaque, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE			Tr		Dark cherry red, subtranslucent, anhedral, blocky, worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	5%		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON			1%		Colourless, yellow, reddish-brown, transparent to opaque, anhedral, rounded, rare subhedral, prismatic, moderately worn.
ROCK FRAGMENTS					

COMMENTS:

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332813

ASSESSMENT

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

NEGATIVE

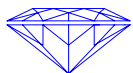
STREAMSED
20.48 kgs
104.0 grams
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Golden, transparent, translucent, anhedral, blocky, tabular, moderately worn to worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	75%	55%		Red-brown, dull, earthy, rounded, blocky, worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE			Tr		Reddish-black, micaceous, anhedral, worn.
ILMENITE		25%	35%		Silvery-black, sub/anhedral, subangular, blocky, tabular, moderately worn.
KYANITE					
LEUCOXENE		Tr	10%		Cream, beige, brown, dull to porcelain-like surface, worn.
MAGNETITE					
MICA			Tr		Rare, greenish-brown, opaque, anhedral flake.
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange-brown, tan, resinous, opaque, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE			Tr		Dark red, subtranslucent, anhedral, worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			Tr		Brown-black, rare golden yellow, anhedral, rounded.
XENOTIME					
ZIRCON			Tr		Beige, translucent, subhedral, prismatic, moderately worn. Rare.
ROCK FRAGMENTS					

COMMENTS: Conc has been MAG separated.

Observed by: S.M.
Date: Sept. 1996



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332814

ASSESSMENT

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

NEGATIVE

STREAMSED
22.52 kgs
505.5 grams
-1.2+0.25 mm

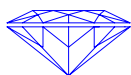
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Pale blue, transparent, subhedral, tabular, slightly worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	2%	Tr		Reddish-brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	97%	99%		Silvery-black, sub/anhedral, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE		1%	1%		Beige, brown, sub/anhedral, tabular, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange, pinkish-orange, resinous, opaque, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	Tr		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON			Tr		Rare, beige, colourless, transparent, subhedral, moderately worn.
ROCK FRAGMENTS					

COMMENTS: Conc has been MAG separated
N/M, M 6/7 fully observed
M 4/5 1/32 split observed

Observed by: S.M.
Date: Sept. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332815

ASSESSMENT

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

NEGATIVE

STREAMSED
33.84 kgs
870.3 grams
-1.2+0.25 mm

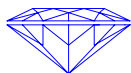
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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, pale grey-blue, usually tabular, translucent, moderately fresh.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	25%	Tr		Dull, yellow-brown.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	75%	98%		Abundance of silvery-black, moderately worn subhedra.
KYANITE					
LEUCOXENE			2%		Dark brown, mid-brown, rarely beige, polished, opaque, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare, cherry red to silvery black, well worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Well rounded, black-brown grains.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, rounded, vitreous, transparent.
ROCK FRAGMENTS					

COMMENTS: Sample has been MAG separated, M1/2/3 scalp not observed
NM fully observed
M 6/7 -0.4 + 0.25mm, 1/8 split observed
M 4/5 -1.2 + 0.4mm, 1/32 split observed
M 4/5 -0.4 + 0.25mm, 1/64 split observed.

Observed by: L.F.
Date: Sept. 1996



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332816

ASSESSMENT

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

NEGATIVE

STREAMSED
16.30 kgs
367.1 grams
-1.2+0.25 mm

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

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	98%		Brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	2%		Silvery-black, sub/anhedral, subangular, blocky, moderately worn.
KYANITE					
LEUCOXENE			Tr		Beige, dull, anhedral, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			Tr		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON					
ROCK FRAGMENTS					

COMMENTS: -1.2 + 0.8mm, fully observed
-0.8mm + 0.25mm, MAG separated and fully observed.

Observed by: S.M.
Date: Sept. 1996.

