



DIATECH
Ph 61 9 361 2596
Fx 61 9 470 1504

File: 96-062.doc

HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332817

ASSESSMENT

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

NEGATIVE

LOAM
20.18 kgs
10.6 grams
-1.2+0.25 mm

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

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

AMPHIBOLE				
ANATASE				
APATITE				
BARITE				
CALCITE				
CASSITERITE				
CORUNDUM				
EPIDOTE				
FE OXIDE/HYDROXIDE	100%	Tr		Rare, reddish-brown, worn.
GARNET				
GOLD				
GORCEIXITE				
HAEMATITE				
ILMENITE	Tr	75%	75%	Silvery-black, moderately worn subhedra.
KYANITE				
LEUCOXENE		25%	25%	Beige, mid-brown, dark brown, bright, polished, rounded, after ilmenite.
MAGNETITE				
MICA				
MN OXIDE				
MONAZITE				
PHOSPHATES				
PREHNITE				
PYROXENE				
RUTILE				
SPHENE				
SPINEL				
STAUROLITE				
SULPHIDES				
TOURMALINE		Tr	Tr	Rare, well rounded, black-brown grains.
XENOTIME				
ZIRCON				
ROCK FRAGMENTS				

COMMENTS: Sample has been MAG separated, M1/2/3 scalp not observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332818

ASSESSMENT

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

NEGATIVE

STREAMSED
28.78 kgs
50.3 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			Tr		1 + 0.25mm, moderately fresh, dark, black-green lath.
ANATASE		Tr	Tr		Sky blue, dark blue, grey-blue, moderately worn subhedra.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE	Tr				
FE OXIDE/HYDROXIDE	100%	95%	70%		Dull, yellow-brown, red-brown.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE	Tr	Tr	Tr		Platy clusters, silvery-black, reddish tints.
ILMENITE		5%	25%		Silvery-black, moderately worn subhedra.
KYANITE					
LEUCOXENE		Tr	Tr		Brown, greyish, after ilmenite
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Monazite, red-orange, resinous, opaque.
PREHNITE					
PYROXENE					
RUTILE			Tr		
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Well rounded, black-brown grains.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, Fe-stained, orange-yellow, near spherical.
ROCK FRAGMENTS					

COMMENTS: Sample has been MAG separated, M1/2/3 scalp not observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332820

ASSESSMENT

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

NEGATIVE

STREAMSED
28.30 kgs
35.4 grams
-1.2+0.25 mm

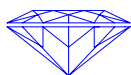
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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		Tr	Tr		Blue, ice blue, beige, yellow, brown, sub/anhedra, moderately worn to worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		Rare. Yellow-green, translucent, moderately worn.
FE OXIDE/HYDROXIDE	100%	95%	80%		Red-brown, yellow-brown, dull to polished pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		5%	15%		Silvery-black, moderately worn sub/anhedra.
KYANITE					
LEUCOXENE			Tr		Beige, brown, grey-blue, dull to porcelain-like.
MAGNETITE					
MICA			Tr		Brown, flaky.
MN OXIDE					
MONAZITE			Tr		Orange, well rounded, resinous opaques.
PHOSPHATES	Tr	Tr	Tr		Orange-brown, yellow-brown, creamy white, dull to resinous opaques.
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, orange-red subhedra/anhedra, moderately worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	5%		Black-brown, blocky to well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, orange-red, creamy yellow, well rounded, rarely subhedra.
Al SILICATE		Tr	Tr		Colourless, rounded, moderately worn.
ROCK FRAGMENTS					

COMMENTS: Conc has been MAG separated.
-1.2 + 0.25mm fully observed.

Observed by: B.G.
Date: Sept. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332821

ASSESSMENT

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

NEGATIVE

STREAMSED
26.10 kgs
112.5 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	Tr		Blue, yellow, transparent, subtranslucent, sub/anhedral, blocky, tabular, some twinned, moderately fresh to moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	90%		Yellow, reddish-brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE		Tr	Tr		Grey-black, specular, anhedral, blocky.
ILMENITE			Tr		Silvery-black, sub/anhedral, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Creamy, beige, dull, anhedral, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange, pinkish-orange, resinous, opaque, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	10%		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, Fe-stained, rounded, brown, subhedral, prismatic, moderately worn.
ROCK FRAGMENTS					

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

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332822

ASSESSMENT

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

NEGATIVE

STREAMSED
25.42 kgs
13.7 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					

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		Sky blue, ice blue, grey-blue, moderately worn to worn subhedra.
APATITE					
BARITE					
CALCITE					
CASSITERITE		Tr			1 + 0.4mm, reddish-brown, well worn.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	35%	20%		Dull, yellow-brown, pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			30%		Silvery-black, moderately worn subhedra.
KYANITE					
LEUCOXENE	Tr	Tr	Tr		Beige, cream, some dull, others polished, opaque.
MAGNETITE					
MICA			Tr		Rare, brown, platy.
MN OXIDE					
MONAZITE			Tr		Red-orange, resinous, rounded, opaque.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red to silvery-black, worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded, near spherical grains.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, yellow, orange, red-brown, well worn.
ROCK FRAGMENTS		65%	50%		Weathered (?) basaltic fragments, yellowish-brown.

COMMENTS: Sample has been MAG separated, M1/2/3 scalp not observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332823

ASSESSMENT

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

NEGATIVE

STREAMSED
26.98 kgs
48.6 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		Sky blue, blue-grey sub/anhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	75%		Yellow-brown, red-brown, dull pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE	Tr	Tr	Tr		Silvery-grey, clustered.
ILMENITE		Tr	5%		Silvery-black, moderately worn subhedra.
KYANITE					
LEUCOXENE		Tr	3%		Beige, brown, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Orange, orange-brown, red-brown, rounded, resinous opaques.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare. Orange-red, subhedral, moderately worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	17%		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Orange, yellow, colourless, well rounded.
ROCK FRAGMENTS					

COMMENTS: Conc has been MAG separated.
-1.2 + 0.25mm fully observed.

Observed by: B.G.
Date: Sept. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332824

ASSESSMENT

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

NEGATIVE

STREAMSED
24.88 kgs
159.4 grams
-1.2+0.25 mm

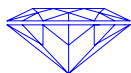
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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		Tr	Tr		Rare, grey-blue, worn subhedra.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	Tr		Pisolitic, red-brown, yellow-brown.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		5%	20%		Silvery-black subhedra, moderately worn.
KYANITE					
LEUCOXENE			Tr		Beige, cream, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Red-orange, cream, polished, resinous, includes monazite.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Well rounded, near spherical, black-brown grains.
XENOTIME					
ZIRCON			Tr		Colourless, well worn, Fe-stained.
ROCK FRAGMENTS			80%		Weathered (?) basaltic fragments, yellowish-brown.

COMMENTS: -0.8 + 0.25mm has been MAG separated, M1/2/3 scalp not observed.
-1.2 + 0.8mm fully observed.
M 6/7 -0.4 + 0.25mm, ½ split observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332825

ASSESSMENT

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

NEGATIVE

STREAMSED
21.04 kgs
43.7 grams
-1.2+0.25 mm

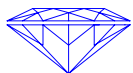
KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Blue, grey-blue, yellow, sub/anhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	87%		Red-brown, yellow-brown, dull to polished pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE		Tr	Tr		Silvery-grey, clustered.
ILMENITE		Tr	10%		Silvery-black, sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, grey-green, porcelain-like.
MAGNETITE					
MICA			Tr		Rare. Brown, flaky.
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Creamy orange, brown, orange-red, resinous opaques.
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare. Cherry red, reddish-brown, blocky, sub/anhedra, moderately worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	3%		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Fe-stained, orange, colourless, generally 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.
-1.2 + 0.25mm fully observed.

Observed by: B.G.
Date: Sept. 1996



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332826

ASSESSMENT

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

NEGATIVE

STREAMSED
24.70 kgs
6.2 grams
-1.2+0.25 mm

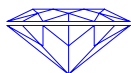
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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		Yellow, pale blue, transparent, subhedral, tabular, slightly worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	98%	63%	37%		Reddish-brown, brown, dull, subangular, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		15%	25%		Silvery-black, sub/anhedral, subangular, blocky, moderately worn.
KYANITE					
LEUCOXENE		10%	25%		Creamy, beige, brown, dull to porcelain-like surfaces, blocky, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	2%	2%	Tr		Orange-brown, orange, opaque, resinous, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		10%	10%		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON			3%		Colourless, yellow, reddish-brown, Fe-stained, transparent to subtranslucent, anhedral, rounded.
ROCK FRAGMENTS					

COMMENTS:

 Observed
by:
Date:

 S.M.
Sept. 1996.

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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO
332827
ASSESSMENT

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

NEGATIVE

 LOAM
17.18 kgs
52.1 grams
-1.2+0.25 mm

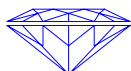
	%	%	%		
KEY MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

	%	%	%		
OTHER MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Red-brown, yellow-brown, dull, pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, some blocky, sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE			Tr		Beige, brown, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			Tr		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.
-1.2 + 0.25mm fully observed.

Observed B.G.
by: Sept. 1996
Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332828

ASSESSMENT

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

NEGATIVE

STREAMSED
36.34 kgs
27.6 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		Sky blue, rarely golden yellow, tabular, moderately worn.
APATITE			Tr		Colourless, elongate, crystalline, transparent, moderately fresh.
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Palest sky blue, vitreous, transparent.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	20%		Dull, yellow-brown, red-brown.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			75%		Silvery-black, moderately worn subhedra.
KYANITE		Tr			1 + 0.4mm, worn, tabular, Fe-stained.
LEUCOXENE		Tr	5%		Beige, cream, grey, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red to silvery-black, moderately worn to worn, rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, bright, worn fragments, transparent.
SULPHIDES					
TOURMALINE		Tr	Tr		Near spherical, black-brown grains.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, rarely yellow, orange, pink, well worn euhedra, some near spherical grains.
ROCK FRAGMENTS					

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

COMMENTS: Conc has been MAG separated, M1/2/3 scalp not observed.

Observed
by:
Date:

L.F.
Sept. 1996



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332829

ASSESSMENT

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

NEGATIVE

STREAMSED
27.60 kgs
2.7 grams
-1.2+0.25 mm

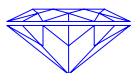
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	65%	20%		Yellow-brown, dull.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	30%	55%		Silvery-black, dull, subhedra, moderately worn.
KYANITE					
LEUCOXENE		Tr	10%		Grey, beige, brown, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr				Reddish-brown, resinous, opaque.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	5%	15%		Well rounded, black-brown grains, some pale brown.
XENOTIME					
ZIRCON			Tr		Colourless, well worn, some worn euhedra.
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.
Sept. 1996.

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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO
332830
ASSESSMENT

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

NEGATIVE

 STREAMSED
19.04 kgs
268.0 grams
-1.2+0.25 mm

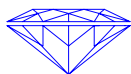
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	94%		Reddish brown, subangular, blocky, rounded, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	3%		Silvery black, sub/anedral, subangular, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE			1%		Creamy, beige, brown, sub/anedral, blocky, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			1%		Orange, orange-brown, opaque, resinous, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	1%		Brown-black, 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: + 0.8 mm Fully observed
 - 0.8m m + 0.25mm Mag separated
 + 0.4 mm ½ split observed
 + 0.25 mm fully observed

Observed SM
 by: Sept 1996
 Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332831

ASSESSMENT

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

NEGATIVE

STREAMSED
 20.00 kgs
 127.3 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		Golden yellow, translucent, tabular.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	80%		Brown, tan, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	15%		Silvery black, angular, grooved.
KYANITE		Tr			Colourless, tabular, rounded, (Rare).
LEUCOXENE		Tr	Tr		Dark brown, grey, beige, angular, after Ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Black, cherry-red, elongate, blocky.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	5%		Brown, black-brown, orange, 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: + .8 Fully observed,
+ .4 + .25 Mag separated - Fully observed

Observed JD
by: Sept 1996
Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332832

ASSESSMENT

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

NEGATIVE

STREAMSED
22.22 kgs
557.4 grams
-1.2+0.25 mm

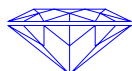
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Golden yellow, translucent, sub/anhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	90%		Brown, red-brown, rounded, earthy fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE	Tr	Tr	2%		Steel black, blocky.
ILMENITE		Tr	8%		Silvery black, tabular, subangular.
KYANITE		Tr			Colourless, tabular, rounded.
LEUCOXENE		Tr	Tr		grey, white, beige, rounded, angular.
MAGNETITE					
MICA			Tr		BIOTITE - dark brown, opaque flakes.
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Black-red, cherry red, opaque, rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, frosted, rounded.
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, brown, rounded, subhedral.
XENOTIME					
ZIRCON			Tr		Colourless, transparent, 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: + .8 fully observed,
+ .4, + .25 Mag separated - fully observed.

Observed JD
by: Sept 1996
Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332833

ASSESSMENT

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

NEGATIVE

STREAMSED
24.30 kgs
5.3 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		Blue, green-blue, transparent, translucent, sub/ anhedral, tabular, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	82%	38%		Yellow, reddish brown, dull, subangular to rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	10%	25%		Silvery, black, sub/anhedral, subangular, blocky, rounded.
KYANITE					
LEUCOXENE		Tr	25%		Creamy, beige, brown, dull to porcelain like surfaces, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	1%		Orange, beige, brown, subtranslucent, opaque, resinous, anhedral worn.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Brown, transparent, anhedral, blocky, worn.
SULPHIDES					
TOURMALINE		8%	10%		Olive green, blue, brown, black, blocky, rounded, worn.
XENOTIME					
ZIRCON		Tr	1%		Colourless, pink, reddish brown, transparent, sub 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:				Observed SM by: Sept 1996 Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332834

ASSESSMENT

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

NEGATIVE

STREAMSED
20.90 kgs
68.7 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					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	99%	84%		Reddish brown, brown, subangular, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		1%	10%		Silvery black, sub/anedral, subangular, blocky moderately worn.
KYANITE					
LEUCOXENE		Tr	5%		Creamy, beige, grey, dull to porcelain like surface, blocky rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	1%		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON					

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

ROCK FRAGMENTS				
COMMENTS: Concentrate has been Mag separated.				Observed by: SM Date: Sept 1996



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332835

ASSESSMENT

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

NEGATIVE

STREAMSED
25.40 kgs
207.3 grams
-1.2+0.25 mm

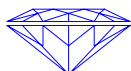
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Rare. grey-blue, beige, yellow, sub/anhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE		100%	95%		Red-brown, yellow-brown, dull pisolites, fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	5%		Silvery-black, tabular to rounded, moderately worn.
KYANITE					
LEUCOXENE		Tr	Tr		Beige, brown, grey-green, porcelain like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare. Cherry red, anhedral, moderately worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		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 + 0.8 mm fully observed,
- 0.8 + 0.25 mm concentrate has been Mag separated,
fully observed.

Observed BG
by: Sept 1996
Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332836

ASSESSMENT

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

NEGATIVE

STREAMSED
18.40 kgs
6.7 grams
-1.2+0.25 mm

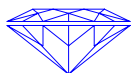
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Blue, Pale brown, yellow, transparent, sub translucent, sub/anhydral, blocky, tabular, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	82%	33%		Reddish Brown, brown, dull, subangular, blocky, worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		5%	30%		Silvery black, sub/anhydral, subangular, blocky, tabular, moderately worn.
KYANITE					
LEUCOXENE		5%	25%		Beige, brown, greyish, subangular, blocky, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Orange-brown, subresinous, opaque, anhydral worn.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES			Tr		Rare, brown, yellow, blocky, moderately fresh.
TOURMALINE		8%	12%		Brown-black, anhydral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, transparent, anhydral, 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 SM
by: Sept 1996
Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332837

ASSESSMENT

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

NEGATIVE *

STREAMSED
25.94 kgs
59.6 grams
-1.2+0.25 mm

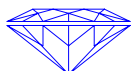
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Golden yellow, beige, opaque, translucent, sub/anhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Colourless/blue, blocky.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	98%	40%		Brown, red-brown, rounded, fractured fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE			Tr		Iron black, blocky, granular specular.
* ILMENITE		3%	45%		Silvery black, tabular, blocky, 2 grains with low mg.
KYANITE					
LEUCOXENE		Tr	10		Brown, cream, angular, after Ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Honey brown, resinous, well rounded.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange, rounded, frosted, some with black inclusions.
SULPHIDES					
TOURMALINE		Tr	5%		Brown, black-brown, rounded, subhedral.
XENOTIME					
ZIRCON			Tr		Colourless, orange-brown, transparent to opaque.
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.

Observed by: JD
Date: Sept 1996



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332838

ASSESSMENT

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

NEGATIVE

STREAMSED
23.18 kgs
93.7 grams
-1.2+0.25 mm

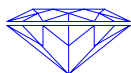
	%	%	%		
KEY MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

	%	%	%		
OTHER MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Dark blue, yellow, subtranslucent, opaque, subhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	99%	43%		Reddish brown, brown, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		1%	30%		Silvery black, sub/anhedral, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE		Tr	25%		Beige, brown, blocky, subangular, worn.
MAGNETITE					
MICA					
MN OXIDE		Tr	Tr		Dull grey, anhedral, subangular, blocky, moderately worn.
MONAZITE					
PHOSPHATES			Tr		Rare. orange, resinous, opaque, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare. cherry red, subtranslucent, anhedral, rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden brown, transparent, anhedral, rounded.
SULPHIDES					
TOURMALINE			2%		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: Concentrate has been mag separated.

Observed by: SM
Date: Sept 1996



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332839

ASSESSMENT

NEGATIVE

Type of sample

LOAM

Head Weight

20.64

kgs

Conc Weight -1.2+0.25mm

2.2

grams

Size fractions observed

-1.2+0.25

mm

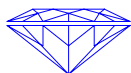
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	45%	5%		Brown, red-brown, rounded, earthy flakes.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		50%	55%		Silvery black, tabular, rounded to blocky, grooved.
KYANITE					
LEUCOXENE		Tr	40%		Brown, grey, cream, rounded, angular, after Ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Brown, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange, rounded, frosted.
SULPHIDES					
TOURMALINE		5%	Tr		Brown, 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:

Observed JD
by: Sept 1996
Date:



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HEAVY MINERAL ANALYSIS SHEET**SAMPLE NO****332840****ASSESSMENT**

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

NEGATIVE

STREAMSED
21.78 kgs
36.5 grams
-1.2+0.25 mm

KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr	1 + 0.25mm	black, anhedral, blocky fragment. Not Kimb
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Blue, yellow, translucent, sub/anhedral, tabular, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	90%	35%		Yellow-brown, reddish-brown, subangular, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		8%	30%		Silvery-black, sub/anhedral, tabular, subangular, blocky, moderately worn.
KYANITE					
LEUCOXENE		2%	20%		Creamy, beige, brown, blocky, subangular, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Pale orange, pinkish-orange, resinous, opaque, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	15%		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, beige, translucent, sub/anhedral, prismatic, 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: Conc has been MAG separated.				Observed by: S.M. Date: Sept. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332841

ASSESSMENT

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

NEGATIVE

STREAMSED
27.76 kgs
44.1 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		Ice-blue, beige, golden yellow, blue-grey.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	70%	15%		Brown, red-brown, rounded, earthy fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	20%	50%		Silvery-black, blocky, angular, grooved.
KYANITE			Tr		Colourless, tabular, rounded.
LEUCOXENE		10%	35%		Brown, beige, grey, rounded, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Honey brown, subhedral, opaque.
PHOSPHATES			Tr		Red-brown, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Red-brown, black, cherry red, sub/anhedral.
SPHENE					
SPINEL					
STAUROLITE		Tr	Tr		Orange-brown, rounded, elongate, frosted.
SULPHIDES					
TOURMALINE		Tr	Tr		Brown, black, blue, well rounded.
XENOTIME			Tr		Honey-brown, opaque, subhedral.
ZIRCON		Tr	Tr		Colourless, honey brown, pink, subhedral, transparent to opaque, 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.				Observed by: J.D. Date: Sept. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332842

ASSESSMENT

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

NEGATIVE**

STREAMSED

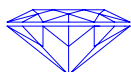
23.22 kgs
9.5 grams
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Rare. Ice blue, grey-blue, sub/anhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	85%	5%		Yellow-brown, red-brown, dull to polished pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	15%	70%		Silvery-black, blocky to tabular, some rounded, moderately worn. ** Some with very low Mg.
KYANITE					
LEUCOXENE		Tr	15%		Brown, beige, cream, dull to porcelain-like, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Orange-brown, creamy-orange, resinous opaques.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare. Pale orange-brown, worn.
SULPHIDES					
TOURMALINE		Tr	8%		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	2%		Colourless, orange, 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: Sept. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332843

ASSESSMENT

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

NEGATIVE

STREAMSED
25.64 kgs
85.2 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					

% % %
 +0.8 +0.4 +0.25

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, yellow, subtranslucent, sub/anhedral, tabular, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	88%		Yellow-brown, reddish-brown, dull, subangular, blocky, worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, anhedral, blocky, worn.
KYANITE					
LEUCOXENE			10%		Brown, sub/anhedral, tabular, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange, orange-brown, resinous, opaque, rounded.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	2%		Brown-black, anhedral, blocky, worn, rounded.
XENOTIME					
ZIRCON					

ROCK FRAGMENTS		Tr	Tr	Dull green, micaceous (?), Al, Si, K, Fe.
COMMENTS: Conc has been MAG separated. N/M fully observed. M 6/7, ¼ split observed. M 4/5, fully observed.				Observed by: S.M. Date: Sept. 1996



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332844

ASSESSMENT

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

NEGATIVE

STREAMSED
28.48 kgs
31.5 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		Ice blue, silvery-grey, subhedral, translucent, opaque.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	75%		Brown, red-brown, rounded, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	10%		Silvery-black, blocky to rounded.
KYANITE			Tr		Colourless, tabular, transparent.
LEUCOXENE		Tr	5%		Grey, beige, cream, brown, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Black-red, opaque, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	10%		Brown, blue, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, honey brown, rounded, subhedral.

ROCK FRAGMENTS				
COMMENTS: Sample has been MAG separated.				Observed by: J.D. Date: Sept. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332845

ASSESSMENT

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

NEGATIVE

STREAMSED
18.64 kgs
25.6 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		Blue-grey, beige, golden yellow, translucent, opaque, sub/anhydral.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		Yellow-green, translucent lath. Rare.
FE OXIDE/HYDROXIDE	100%	98%	40%		Brown, red-brown, tan, well rounded, blocky.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		2%	30%		Silvery-black, blocky to rounded, grooved.
KYANITE					
LEUCOXENE		Tr	10%		Grey, beige, cream, rounded, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Honey brown, yellow, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE			Tr		Red-brown, cherry red, rounded, opaque.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, tabular, rounded grains, black inclusions, frosted.
SULPHIDES					
TOURMALINE	Tr	Tr	20%		Brown, black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Honey brown, colourless, sub/anhydral.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332846

ASSESSMENT

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

NEGATIVE

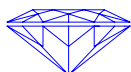
STREAMSED
27.38 kgs
10.4 grams
-1.2+0.25 mm

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		Grey-blue, beige, yellow-beige, golden yellow, sub/anhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	97%	15%		Yellow-brown, red-brown, dull pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		2%	60%		Silvery-black, blocky to rounded, moderately worn.
KYANITE					
LEUCOXENE		Tr	10%		Beige, brown, grey-green, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Pinkish-orange, orange-red, orange-brown, cream, dull to resinous opaques.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		1%	15%		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Orange, colourless, yellow, sub/anhedra, moderately worn to 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: _____ Date: _____
				B.G. Sept. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332847

ASSESSMENT

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

NEGATIVE

STREAMSED
28.54 kgs
4.6 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	Tr		Blue, yellow, transparent, translucent, sub/anhydral, tabular, some twinned, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	88%	78%	85%		Yellow-brown, reddish-brown, subangular, blocky, worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		1%	Tr		Silvery-black, sub/anhydral, subangular, blocky, moderately worn.
KYANITE					
LEUCOXENE	2%	1%	Tr		Creamy, beige, brown, anhydral, blocky, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	10%	Tr	Tr		Pinkish-orange, orange, resinous, opaque, anhydral, worn.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	20%	15%		Brown-black, anhydral, blocky, worn, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, yellow, orange, translucent, 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:				Observed by: _____ Date: _____
				S.M. Sept. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332848

ASSESSMENT

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

NEGATIVE

STREAMSED
24.58 kgs
18.8 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					

% % %
 +0.8 +0.4 +0.25

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%	80%	60%		Yellow-brown, reddish-brown, dull, subangular, worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		13%	15%		Silvery-black, subangular, blocky, worn.
KYANITE					
LEUCOXENE	Tr	Tr	15%		Creamy, greyish, brown, blocky, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		7%	10%		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON					

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

332849

ASSESSMENT

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

NEGATIVE**

STREAMSED

19.86 kgs
25.2 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, bluish-yellow, golden yellow, sub/anhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	85%	60%		Red-brown, yellow-brown, dull pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		15%	20%		Silvery-black, some blocky, tabular, rounded. ** Some with low Mg.
KYANITE					
LEUCOXENE		Tr	5%		Creamy beige, brown, porcelain-like, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	Tr	Tr		Cream, orange-brown, dull to resinous opaques.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	13%		Black-brown, well rounded.
XENOTIME					
ZIRCON			2%		Beige, yellow, brown, orange-red, well rounded.

ROCK FRAGMENTS				
COMMENTS: Conc has been MAG separated. Scalp 1, 2, 3 not observed.				Observed by: B.G. Date: Sept. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332850

ASSESSMENT

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

NEGATIVE

STREAMSED
27.12 kgs
3.7 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					

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Blue-grey, blue, subhedral, twinned.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	80%	60%		Brown, red-brown, tan, well rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, blocky to rounded.
KYANITE					
LEUCOXENE			Tr		Beige, brown, blocky, opaque.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	1%		White, orange-brown, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	20%	37%		Black-brown, blue, rounded.
XENOTIME					
ZIRCON		Tr	2%		Honey brown, yellow, opaque, translucent, rounded.

ROCK FRAGMENTS				
COMMENTS:				Observed by: J.D. Date: Sept. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332851

ASSESSMENT

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

NEGATIVE

STREAMSED
23.00 kgs
1.6 grams
-1.2+0.25 mm

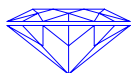
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Pearly-grey, grey-blue, worn, tabular.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	65%	Tr		Well rounded pisolitic, red-brown.
GARNET			Tr		Rare. pink almandine, moderately worn, anhedral.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		35%	40%		Dull silvery black, moderately worn to worn, subhedra.
KYANITE					
LEUCOXENE			40%		Beige, grey, cream, dull, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Red-orange, resinous, opaque.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, worn.
SULPHIDES					
TOURMALINE					
XENOTIME					
ZIRCON			20%		Colourless, well worn, some Fe stained.
DIASPORE		Tr	Tr		Rare. colourless, blocky, moderately worn.
ROCK FRAGMENTS					

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

COMMENTS: Concentrate has been MI separated.

Observed by: LF
Date: Sept 1996



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332852

ASSESSMENT

NEGATIVE

Type of sample

LOAM

Head Weight

20.98

kgs

Conc Weight -1.2+0.25mm

230.3

grams

Size fractions observed

-1.2+0.25

mm

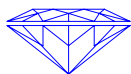
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Beige, blue, sub/anhedra, rarely euhedral, twinned.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		Rare. Yellow-green, translucent, moderately worn.
FE OXIDE/HYDROXIDE	100%	100%	100%		Red-brown, dull pisolites, also Fe/feldspar (?) aggregates.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, moderately worn.
KYANITE					
LEUCOXENE			Tr		Beige, brown, grey-green, porcelain-like.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Rare. Creamy orange, resinous, opaque.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, well rounded.
Si, K, Fe, MINOR Al		Tr	Tr		Copper-like green, soft, globular.
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 + 0.8mm fully observed.
-0.8 to 0.25mm MAG separated.
NM fully observed.
M 6/7 1/8 split observed.
M 4/5 fully observed.

Observed B.G.
by: Sept. 1996.
Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332853

ASSESSMENT

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

NEGATIVE

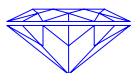
STREAMSED
19.78 kgs
8.1 grams
-1.2+0.25 mm

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	Tr		Blue, beige, grey-blue, opaque, tabular.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	80%	48%		Red-brown, brown, rounded, blocky, earthy flakes.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		5%	2%		Silvery-black, tabular, blocky to rounded, grooved.
KYANITE					
LEUCOXENE		Tr	Tr		Grey, beige, opaque, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Pale orange, pinkish-brown.
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, opaque, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	15%	45%		Black-brown, green, sub/anhedral.
XENOTIME					
ZIRCON		Tr	5%		Orange-brown, colourless, rounded, some metamict.
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 1/2 split) is 2 grains in a 1/2 split of the +0.25mm fraction

COMMENTS:

Observed
by:
Date:J.D.
Sept. 1996.DIATECH
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HEAVY MINERAL ANALYSIS SHEET**SAMPLE NO****332854****ASSESSMENT**Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed**NEGATIVE**STREAMSED
23.18 kgs
5.4 grams
-1.2+0.25 mm

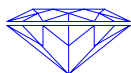
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Golden yellow, ice blue, sub/anhedral, translucent.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	80%	15%		Brown, red-brown, tan, rounded, earthy fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		5%	15%		Silvery-black, blocky to rounded, grooved.
KYANITE					
LEUCOXENE		5%	40%		Beige, grey, brown, rounded, angular.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, rounded, frosted.
SULPHIDES					
TOURMALINE	Tr	10%	30%		Black-brown, sub/anhedral.
XENOTIME					
ZIRCON			Tr		Colourless, honey brown, yellow, transparent to opaque, rounded, some metamict.
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 J.D.
by: Sept. 1996.
Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332857

ASSESSMENT

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

NEGATIVE

STREAMSED
23.44 kgs
141.9 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		Greyish-white, opaque, blue, yellow, translucent, sub/anhedral, blocky, tabular, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	75%	20%		Yellow-brown, reddish-brown, dull, subangular, blocky, worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		25%	75%		Silvery-black, sub/anhedral, angular, blocky, tabular, moderately worn.
KYANITE					
LEUCOXENE			5%		Creamy, brown, dull to porcelain-like, subangular, blocky, worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange, orange-brown, resinous, opaque, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE			Tr		Dark red, subtranslucent, anhedral, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, orange, Fe-stained, transparent, 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, ¼ split observed. M 4/5, 1/8 split observed.				Observed by: S.M. Date: Sept. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332860

ASSESSMENT

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

NEGATIVE*

STREAMSED
18.42 kgs
111.5 grams
-1.2+0.25 mm

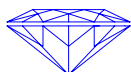
KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER*					

% % %

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	Tr		Beige, blue-grey, golden yellow, opaque, sub/anedral, twinned.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		Yellow-green, dark green, translucent, blocky.
FE OXIDE/HYDROXIDE	100%	35%	10%		Brown, red-brown, well rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		65%	80%		Silvery-black, tabular, grooved, blocky to rounded. *1+0.4mm low MgO, 2.55%, and 0.15% Cr2O3
KYANITE					
LEUCOXENE		Tr	10%		Beige, cream, brown.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Honey brown, orange-brown, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Cherry red, orange-red, sub/anedral.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, frosted, rounded.
SULPHIDES					
TOURMALINE	Tr	Tr	Tr		Black-brown, brown, sub/anedral.
XENOTIME					
ZIRCON		Tr	Tr		Yellow, honey brown, colourless, rounded, some metamict.

ROCK FRAGMENTS				
COMMENTS:	Sample has been Mag separated. N/M, M 6/7, fully observed. M 4/5, ¼ split observed.			Observed by: J.D. Date: Sept. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332861

ASSESSMENT

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

NEGATIVE

STREAMSED
22.26 kgs
53.0 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		Beige, yellow-beige, golden yellow, sub/anhedra, moderately worn.
APATITE		Tr	Tr		Rare. Colourless, tabular, moderately worn.
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	55%	10%		Yellow-brown, red-brown, dull to polished pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	45%	85%		Silvery-black sub/anhedra, moderately worn.
KYANITE					
LEUCOXENE		Tr	2%		Brown, beige, grey-blue, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Orange, well rounded, resinous opaques.
PHOSPHATES	Tr	Tr	Tr		Yellow-brown, orange, cream, brown, resinous opaques.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Rare. Reddish-brown, cherry red, anhedral, moderately worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	3%		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, pale pink, orange, yellow, 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:	Conc has been MAG separated. NM -1.2 + 0.25mm fully observed. M 6/7 -1.2 + 0.25mm fully observed. M 4/5 -1.2 + 0.4mm fully observed. - 0.4 + 0.25mm, ¼ split observed.			Observed by: B.G. Date: Sept. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332862

ASSESSMENT

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

NEGATIVE

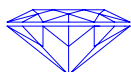
STREAMSED
21.34 kgs
10.4 grams
-1.2+0.25 mm

KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr	1 + 0.25mm,	silvery-black, subhedral. Not 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 yellow, blue, tabular, subhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		Yellow-green, translucent, laths.
FE OXIDE/HYDROXIDE	100%	40%			Brown, red-brown, rounded, angular fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE		Tr	Tr		Red-black, specular, earthy.
ILMENITE	Tr	40%	70%		Silvery-black, blocky to rounded, grooved.
KYANITE					
LEUCOXENE		Tr	20%		Brown, beige, cream, blocky, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Cream, pale orange, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, opaque, rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Pale orange-brown, brown, frosted.
SULPHIDES					
TOURMALINE	Tr	20%	5%		Black-brown, brown, rounded, subhedral.
XENOTIME					
ZIRCON		Tr	5%		Yellow, honey brown, colourless, pink, rounded, transparent to opaque, subhedral.

ROCK FRAGMENTS				
COMMENTS: Sample has been MAG separated.				Observed by: J.D. Date: Sept. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332863

ASSESSMENT

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

NEGATIVE

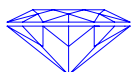
STREAMSED
14.28 kgs
8.5 grams
-1.2+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Yellow, beige, ice blue, grey-blue, blocky, subhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE		Tr	Tr		Honey brown, grey, colourless, red-brown, rounded, subhedral, fractured fragments.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	60%	30%		Brown, tan, rounded, angular fragments.
GARNET		Tr			Almandine. Pale pink, rounded. Rare.
GOLD					
GORCEIXITE					
HAEMATITE		Tr	Tr		Red-black, rounded, earthy, specular.
ILMENITE	Tr	30%	40%		Silvery-black, tabular, blocky to rounded, grooved.
KYANITE					
LEUCOXENE		Tr	5%		Brown, grey, rounded, angular, opaque.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Pinkish-brown, grey, orange, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	10%	15%		Black-brown, blue, rounded, frosted, subhedral.
XENOTIME					
ZIRCON		Tr	10%		Colourless, orange, plum pink, sub/anhdral.

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: J.D. Date: Sept. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332864

ASSESSMENT

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

NEGATIVE

STREAMSED
26.64 kgs
24.9 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		Blue, beige, yellow, translucent, sub/anhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Pale lilac, transparent, anhedral, subangular, worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	10%	5%		Yellow-brown, reddish-brown, dull, subangular, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		65%	95%		Silvery-black, sub/anhedral, subangular, tabular, blocky, rounded.
KYANITE					
LEUCOXENE	Tr	5%	Tr		Creamy, beige, brown, greyish, blocky, subangular, tabular, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	1%	Tr		Orange, pinkish-orange, orange-brown, resinous, opaque, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE			Tr		Orange-red, translucent, anhedral, blocky, worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden brown, transparent, translucent, anhedral, blocky, worn.
SULPHIDES					
TOURMALINE	Tr	19%	Tr		Brown-black, some blue, 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 ½ split) is 2 grains in a ½ split of the +0.25mm fraction

ZIRCON		Tr	Tr	Colourless, pink, pinkish-purple, transparent, translucent, sub/anedral, prismatic, slightly worn to rounded.
ROCK FRAGMENTS				
COMMENTS: Conc has been Mag separated. Fully observed except M 4/5 +0.25, ¼ split observed.				Observed by: S.M. Date: Sept. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332865

ASSESSMENT

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

NEGATIVE

STREAMSED
22.12 kgs
76.2 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	Tr		Yellow, grey, greyish-blue, blue, sub/anedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		Rare. Yellow-green, translucent, moderately worn.
FE OXIDE/HYDROXIDE	100%	85%	Tr		Red-brown, yellow-brown, dull pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		15%	45%		Silvery-black, moderately worn.
KYANITE					
LEUCOXENE		Tr	55%		Beige, brown, cream, grey, dull to porcelain-like, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Rare. Cream, resinous opaques.
PREHNITE					
PYROXENE					
RUTILE			Tr		Orange-red sub/anhedra, some twinned, moderately worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, pale pink, prismatic to well rounded, moderately worn to 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:	Conc has been Mag separated. NM -1.2 + 0.25mm fully observed. M 6/7 -1.2 + 0.4mm fully observed. -0.4 + 0.25mm, ¼ split observed. M 4/5 -1.2 + 0.25mm fully observed.			Observed by: B.G. Date: Sept. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332866

ASSESSMENT

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

NEGATIVE

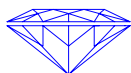
STREAMSED
22.36 kgs
55.8 grams
-1.2+0.25 mm

KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		1 + 0.25mm in 1/8 split, M 4/5. Brownish-black, well rounded. Not Kimb
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE	Tr	Tr	Tr		Yellow, subtranslucent, sub/anhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		Yellow-green, transparent, subhedral, blocky, worn.
FE OXIDE/HYDROXIDE	100%	21%	1%		Yellow-brown, reddish-brown, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	70%	96%		Silvery-black, sub/anhedral, subangular, tabular, blocky, moderately worn to worn.
KYANITE					
LEUCOXENE		3%	3%		Creamy, beige, brown, greyish, blocky, worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		1%	Tr		Orange, orange-brown, resinous, opaque, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden brown, transparent, anhedral, blocky, worn.
SULPHIDES		Tr			Dull, brassy yellow, subangular, worn, chalcopryrite.
TOURMALINE	Tr	5%	Tr		Brown-black, anhedral, blocky, worn, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, orange, Fe-stained, transparent, 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. Fully observed except for M 4/5 +0.25mm, 1/8 split observed.			Observed by: S.M. Date: Sept. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332867

ASSESSMENT

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

NEGATIVE

STREAMSED
23.74 kgs
96.8 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	Tr		Blue-grey, yellow-grey, golden yellow, blue.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		Green, translucent lath. Rare.
FE OXIDE/HYDROXIDE	100%	35%	10%		Brown, red-brown, rounded, earthy fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		60%	50%		Silvery-black, tabular, blocky to rounded.
KYANITE					
LEUCOXENE		5%	30%		Beige, brown, cream, blue-grey, rounded.
MAGNETITE					
MICA					
MN OXIDE		Tr	Tr		Dull, grey-black, angular.
MONAZITE					
PHOSPHATES		Tr	Tr		Orange-brown, cream, yellow-orange, resinous, well rounded.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Cherry red, black, rounded, elongate, subhedral.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, frosted, translucent.
SULPHIDES					
TOURMALINE	Tr	Tr	10%		Black-brown, orange-brown, green, sub/anedral.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, orange, pink, cream, sub/anedral, transparent to opaque, metamict.

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

ANDALUSITE			Tr	Pale pink, rounded, some included.
ROCK FRAGMENTS				
COMMENTS: Sample has been MAG separated. N/M fully observed. M 6/7, ½ split observed. M 4/5, ¼ split observed.				Observed by: J.D. Date: Sept. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332868

ASSESSMENT

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

NEGATIVE

STREAMSED
24.48 kgs
8.5 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	Tr	Tr		Blue, subtranslucent, subhedral, tabular, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	99%	60%	40%		Yellow-brown, brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	24%	25%		Silvery-black, sub/anhedral, tabular, blocky, subangular, moderately worn.
KYANITE					
LEUCOXENE	Tr	5%	32%		Creamy, brown, anhedral, tabular, blocky, subangular, moderately worn.
MAGNETITE					
MICA					
MN OXIDE		Tr	Tr		Dull grey, soft, earthy, anhedral, blocky, worn.
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Golden brown, transparent, anhedral, tabular, worn.
SULPHIDES					
TOURMALINE	1%	10%	2%		Brown-black, anhedral, rounded.
XENOTIME					

ZIRCON		1%	1%	Colourless, yellow, orange, translucent, transparent, anhedral, rounded.
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

332869

ASSESSMENT

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

NEGATIVE

STREAMSED
21.86 kgs
15.9 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-blue, yellow, blue, beige, sub/anhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		1 + 0.25mm, colourless, subhedral, black inclusions.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	40%	10%		Yellow-brown, red-brown, dull pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	35%	40%		Silvery-black, moderately worn.
KYANITE					
LEUCOXENE		25%	45%		Brown, beige, grey-blue, polished, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Orange, resinous, well rounded opaques.
PHOSPHATES		Tr	Tr		Orange-brown, yellow-brown, resinous opaques.
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare. Reddish-brown, orange-red.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, moderately worn.
SULPHIDES					
TOURMALINE	Tr	Tr	4%		Black-brown, well rounded.
XENOTIME					
ZIRCON		Tr	1%		Colourless, orange, pale pink, sub/anhedral, moderately worn.
Al SILICATES			Tr		Rare. Colourless, anhedral, 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: Sept. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332870

ASSESSMENT

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

NEGATIVE

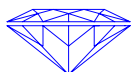
STREAMSED
21.32 kgs
474.0 grams
-1.2+0.25 mm

	%	%	%		
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		Rare. Yellow, beige, blue, sub/anhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	5%	Tr		Yellow-brown, red-brown, dull pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		85%	85%		Silvery-black, grey-black, moderately worn.
KYANITE					
LEUCOXENE		10%	15%		Brown, beige, tan, porcelain-like, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Orange, well rounded, resinous opaques.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, well rounded, rarely subhedral.

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

ROCK FRAGMENTS				
COMMENTS:	Conc has been Mag separated. NM -1.2 + 0.25mm fully observed. M 6/7 -1.2 + 0.25mm fully observed. M 4/5 -1.2 + 0.8mm, 1/16 split observed. - 0.8 + 0.4mm, 1/32 split observed. - 0.4 + 0.25mm, 1/128 split observed.			Observed by: B.G. Date: Sept. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332871

ASSESSMENT

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

NEGATIVE

STREAMSED
23.52 kgs
4.7 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		Blue, subtranslucent, subhedral, tabular, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	85%	25%		Reddish-brown, yellow-brown, subangular, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	5%	20%		Silvery-black, sub/anhedral, angular, blocky, rounded.
KYANITE					
LEUCOXENE			45%		Creamy, beige, brown, tabular, blocky, worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, orange-red, translucent, anhedral, blocky, moderately worn.
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare. Golden brown, transparent, anhedral, blocky, worn.
SULPHIDES					
TOURMALINE	Tr	10%	10%		Brown-black, anhedral, rounded.
XENOTIME					
ZIRCON					

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: S.M. Date: Sept. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332872

ASSESSMENT

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

NEGATIVE

STREAMSED
25.66 kgs
832.0 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					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE		Tr	Tr		Blue, yellow, subtranslucent, sub/anhedral, tabular, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	45%	Tr	Tr		Yellow-brown, reddish-brown, dull, subangular, blocky, moderately worn.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	35%	98%	99%		Silvery-black, sub/anhedral, subangular, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE	20%	2%	1%		Creamy, beige, brown, dull to porcelain-like, surfaces, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, orange-red, subtranslucent, anhedral, blocky, worn.
SPHENE					
SPINEL					
STAUROLITE					
TOURMALINE		Tr	Tr		Brown-black, anhedral, 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

XENOTIME				
ZIRCON		Tr	Tr	Colourless, yellow, Fe-stained, transparent, translucent, anhedral, rounded.
ROCK FRAGMENTS				
COMMENTS: Conc has been MAG separated. N/M, 1/2 split observed. M 6/7, 1/2 split observed. \M 4/5, 1/128 split observed.				Observed by: S.M. Date: Sept. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332873

ASSESSMENT

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

NEGATIVE

STREAMSED
26.40 kgs
24.3 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		Blue, tabular, subhedral, opaque.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Colourless/blue, rounded, black inclusions.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	90%	45%		Brown, red-brown, rounded, earthy fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		2%	40%		Silvery-black, tabular, blocky to rounded, grooved.
KYANITE					
LEUCOXENE		3%	10%		Beige, brown, cream, dull, opaque, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Black, cherry red, opaque, rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, frosted, rounded.
SULPHIDES					
TOURMALINE	Tr	5%	5%		Black, black-brown, well rounded, subhedral.
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	Tr	Pale pink, colourless, orange, rounded, subhedral, transparent to opaque.
ROCK FRAGMENTS				
COMMENTS:				<div>Observed</div> <div>by:</div> <div>Date:</div> <div>J.D.</div> <div>Sept. 1996.</div>