



DIATECH
Ph 61 9 361 2596
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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332946

ASSESSMENT

Type of sample
Head Weight
Conc Weight -2.0+0.25mm
Size fractions observed

NEGATIVE

STREAMSED
19.58 kgs
33.6 grams
-2.0+0.25 mm

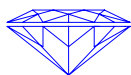
KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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		Golden, blue, transparent, translucent, subhedral, blocky, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		Yellow-green, rare, translucent, anhedral, blocky, moderately worn.
FE OXIDE/HYDROXIDE	100%	92%	15%		Yellow, brown, dull, angular, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	5%	66%		Silvery-black, sub/anhedral, subangular, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE			2%		Creamy, yellow, dull, anhedral, blocky, worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		3%	15%		Brown, brown-black, anhedral, blocky, rounded.
XENOTIME					
ZIRCON		Tr	2%		Colourless, pink, orange, transparent, translucent, sub/anhedral, prismatic, blocky, rounded.
ROCK FRAGMENTS					

COMMENTS:

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332947

ASSESSMENT

Type of sample
Head Weight
Conc Weight -2.0+0.25mm
Size fractions observed

NEGATIVE

STREAMSED
17.80 kgs
49.4 grams
-2.0+0.25 mm

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

% % %

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		Tabular, pale pearly blue, worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	35%		Red-brown, yellow-brown, earthy, larger grains are pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		5%	50%		Silvery-black subhedra.
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Red-orange, near spherical to cigar-shaped, worn, resinous.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	15%		Well rounded, near spherical, frosted, black-brown.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, rarely pinkish, well rounded.
ROCK FRAGMENTS					

COMMENTS:

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332948

ASSESSMENT

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

NEGATIVE

STREAMSED
32.84 kgs
34.4 grams
-2.0+0.25 mm

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

% % %

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE		Tr	Tr		Rare, golden-yellow, well worn subhedra.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	60%	10%		Dull, earthy yellow-brown, pisolitic.
GARNET					
GOLD					
GORCEIXITE			Tr		Red-orange, subtranslucent, worn.
HAEMATITE					
ILMENITE	Tr	40%	65%		Silvery-black, worn, bright subhedra.
KYANITE					
LEUCOXENE			Tr		Cream, beige, well rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr		Tr		Cream, dull to resinous, thick tabular fragments, pitted, worn.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	25%		Near spherical, black-brown.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, yellow to orange, worn, vitreous eu/subhedra.
ROCK FRAGMENTS					
COMMENTS:					Observed by: L.F. Date: Nov. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332950

ASSESSMENT

Type of sample
Head Weight
Conc Weight -2.0+0.25mm
Size fractions observed

NEGATIVE

STREAMSED
25.90 kgs
3.3 grams
-2.0+0.25 mm

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

% % %

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 grey-blue, beige, translucent, subhedral, blocky, tabular.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	75%	25%		Yellow, reddish-brown, dull, blocky, rounded.
GARNET			Tr		Rare, almandine - pink, anhedral, blocky, moderately worn.
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		8%	10%		Silvery-black, subangular, tabular, blocky, moderately worn.
KYANITE					
LEUCOXENE			10%		Creamy, beige, brown, dull to porcelain-like surface, blocky, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange-brown, brown, resinous, opaque, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Orange-brown, subtranslucent, striate, anhedral, moderately worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		17%	55%		Brown, brown-black, transparent, opaque, anhedral, blocky, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, orange, reddish-brown, transparent to subtranslucent, anhedral, rounded.
ROCK FRAGMENTS					

COMMENTS:

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332951

ASSESSMENT

Type of sample
Head Weight
Conc Weight -2.0+0.25mm
Size fractions observed

NEGATIVE

STREAMSED
22.06 kgs
23.4 grams
-2.0+0.25 mm

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

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		Yellowish-grey, silvery blue, golden yellow, tabular, subhedral, translucent to opaque.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Pale blue, tabular, transparent.
EPIDOTE					
FE OXIDE/HYDROXIDE	80%	Tr	Tr		Red-brown, brown, rounded, earthy flakes.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		50%	40%		Silvery-black, tabular, blocky, angular, grooved.
KYANITE			Tr		Colourless, tabular, transparent.
LEUCOXENE	Tr	30%	20%		Beige, brown, grey, angular, rounded, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	Tr	Tr	Tr		Honey brown, red-brown, rounded, resinous.
PREHNITE					
PYROXENE					
RUTILE			Tr		Red-black, cherry red, opaque, tabular, subhedral.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	20%	20%	35%		Black-brown, blue-black, brown, green.
XENOTIME					
ZIRCON		Tr	5%		Honey brown, colourless, orange, pale peach, pink, rounded, subhedral, translucent to opaque, some metamict.
ROCK FRAGMENTS					

COMMENTS:

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332952

ASSESSMENT

Type of sample
Head Weight
Conc Weight -2.0+0.25mm
Size fractions observed

NEGATIVE

STREAMSED
22.78 kgs
34.3 grams
-2.0+0.25 mm

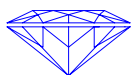
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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, translucent, sub/anhedral, blocky, tabular, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	98%	58%		Yellow, brown, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		1%	10%		Silvery-black, subangular, blocky, moderately worn.
KYANITE					
LEUCOXENE			7%		Creamy, beige, brown, greyish, subangular, blocky, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Orange, resinous, opaque, anhedral, rounded, worn.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	1%	25%		Blue, brown, brown-black, anhedral, blocky, rounded.
XENOTIME					
ZIRCON			Tr		Pale pinkish-brown, transparent, eu/subhedral, moderately worn, colourless, Fe-stained, anhedral, rounded.
ROCK FRAGMENTS					

COMMENTS:

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332953

ASSESSMENT

Type of sample
Head Weight
Conc Weight -2.0+0.25mm
Size fractions observed

NEGATIVE

STREAMSED
24.92 kgs
6.5 grams
-2.0+0.25 mm

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

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, translucent, sub/anhedral, blocky, rounded, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE		Tr			Pale brown/red, translucent, anhedral, blocky, moderately worn. Rare.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	94%	49%	36%		Reddish to purple-brown, dull, subangular, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		20%	23%		Silvery-black, sub/anhedral, subangular, blocky, moderately worn.
KYANITE					
LEUCOXENE	1%	1%	8%		Creamy, beige, brown, sub/anhedral, subangular, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Pale orange, resinous, opaque, anhedral, moderately worn.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	5%	30%	30%		Green-brown, brown, black, sub/anhedral, rounded.
XENOTIME					
ZIRCON		Tr	3%		Colourless, beige, pink, orange, transparent, subtranslucent, sub/anhedral, prismatic, slightly worn to rounded.
ROCK FRAGMENTS					

COMMENTS:

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332954

ASSESSMENT

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

NEGATIVE

STREAMSED
20.10 kgs
23.3 grams
-2.0+0.25 mm

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

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, powder blue, translucent, subhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE	Tr		Tr		Moss green, angular, opaque.
FE OXIDE/HYDROXIDE	100%	95%	46%		Brown, red-brown, dull, rounded, blocky.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	15%		Silvery-black, tabular, angular, grooved. Rare low Mg grains: (1.43-1.79% MgO, 0.22-0.16% Cr2O3)
KYANITE					
LEUCOXENE		Tr	3%		Brown, beige, cream, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Orange-brown, creamy yellow, rounded, resinous.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		5%	35%		Black-brown, brown, well rounded.
XENOTIME					
ZIRCON			1%		Colourless, pink, orange, rounded, subhedral.
ROCK FRAGMENTS					

COMMENTS:

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332955

ASSESSMENT

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

NEGATIVE

STREAMSED
23.50 kgs
74.5 grams
-2.0+0.25 mm

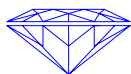
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

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, yellow, translucent, subtranslucent, sub/anhydral, tabular, blocky, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE		Tr	Tr		Yellow-green, rare, subtranslucent, anhedral, blocky, moderately worn.
FE OXIDE/HYDROXIDE	100%	97%	20%		Yellow, brown, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		2%	74%		Black, silvery-black, sub/anhydral, subangular, blocky, some aggregates.
KYANITE					
LEUCOXENE		1%	3%		Creamy, beige, dull, blocky, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Pale orange-brown, resinous, opaque, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE			Tr		Orange, translucent, subtranslucent, anhedral, tabular, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	3%		Black, brown-black, anhedral, rounded, blocky.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, orange, transparent, subtranslucent, anhedral, rounded., rare, subhedral, prismatic, moderately worn.
ROCK FRAGMENTS					

COMMENTS: +1.2mm, not observed.
+0.8mm, fully observed.
+0.4mm, fully observed.
+0.25mm, ½ split observed.

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



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332956

ASSESSMENT

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

NEGATIVE

STREAMSED
19.28 kgs
540.8 grams
-2.0+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Blue-grey, silvery-grey, golden yellow, tabular, translucent to opaque, subhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE	Tr	Tr			Moss green, yellow-green, opaque, granular.
FE OXIDE/HYDROXIDE	100%	100%	99%		Brown, red-brown, rounded, blocky, earthy fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	Tr	Tr		Silvery-black, tabular, angular, grooved, some may have low Mg content.
KYANITE					
LEUCOXENE			Tr		Brown, grey, cream, opaque, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, elongate, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	1%		Black-brown, blue-black, well rounded.
XENOTIME					
ZIRCON			Tr		Honey brown, colourless, sub/anhedral.
Fe, K, Si			Tr		Dark green, blocky, earthy.

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: Nov. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332957

ASSESSMENT

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

NEGATIVE

STREAMSED
21.88 kgs
118.9 grams
-2.0+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Blue, golden yellow, translucent, sub/anhedral, tabular, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	94%		Yellow, reddish-brown, dull, subangular, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	1%		Silvery-black, sub/anhedral, blocky, tabular, moderately worn.
KYANITE					
LEUCOXENE			Tr		Creamy, beige, tan, greyish, dull to porcelain-like, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Pale orange, pinkish-orange, resinous, subtranslucent, opaque, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	5%		Brown-black, black, blocky, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, orange, transparent, translucent, 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:

 Observed
by:
Date:

 S.M.
Nov. 1996.

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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO
332958
ASSESSMENT

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

NEGATIVE

 STREAMSED
16.62 kgs
2.3 grams
-2.0+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Pearly-blue, grey-blue, well worn, strong, greasy lustres.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	10%	Tr		Yellow to red-brown, dull, pisolitic.
GARNET					
GOLD					
GORCEIXITE			Tr		Red-orange, subtranslucent, worn.
HAEMATITE					
ILMENITE		10%	20%		Silvery-black, worn subhedra.
KYANITE					
LEUCOXENE		80%	65%		After ilmenite, cream/beige/grey, worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Rare, orange, resinous, opaque, near spherical.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			15%		Black-brown, near spherical, frosted.
XENOTIME					
ZIRCON			Tr		Rare, colourless but often 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:

 Observed
by:
Date:

 L.F.
Nov. 1996.

 DIATECH
Ph 61 9 361 2596
Fx 61 9 470 1504

File: 96-102.doc

HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO
332959
ASSESSMENT

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

NEGATIVE

 STREAMSED
25.62 kgs
40.2 grams
-2.0+0.25 mm

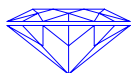
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Silvery-grey, ice blue, tabular, subhedral, translucent to opaque.
APATITE					
BARITE					
CALCITE					
CASSITERITE			Tr		Honey brown, blocky, subtranslucent.
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	65%		Brown, red-brown, rounded, angular fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE		Tr			Grey-black, rounded, granular.
ILMENITE		Tr	20%		Silvery-black, blocky, angular, grooved.
KYANITE					
LEUCOXENE		Tr	Tr		Brown, beige, cream, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Orange-brown, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE		Tr			Cherry red, elongate, subhedral, striate.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	15%		Black, brown, blue, well rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, pale pink, honey-brown, rounded, 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:

 Observed
by:
Date:

 J.D.
Nov. 1996.

 DIATECH
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File: 96-102.doc

HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO
332960
ASSESSMENT

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

NEGATIVE

 STREAMSED
17.60 kgs
29.6 grams
-2.0+0.25 mm

	%	%	%		
KEY MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr	1 + 0.25mm	blocky, chipped and spalled, vitreous black surface.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

	%	%	%		
OTHER MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Pale grey-blue, pearly blue, worn, tabular subhedra.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Palest blue, colourless, vitreous, worn sub/anhedra, rare.
EPIDOTE			Tr		Rare, dull, yellowish-green, worn.
FE OXIDE/HYDROXIDE	100%	100%	20%		Dull, earthy, brown, pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE		Tr	Tr		Finely crystalline, steely grey.
ILMENITE		Tr	50%		Silvery-black, worn subhedra. Rare low Mg grains : 2.30% MgO, 0.20% Cr2O3)
KYANITE					
LEUCOXENE			5%		Cream, beige, worn, dull.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Reddish-orange, near spherical, resinous.
PHOSPHATES			Tr		Cream, beige, well worn.
PREHNITE					
PYROXENE					
RUTILE	Tr	Tr	Tr		Silvery-black, well rounded, near spherical.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	20%		Black-brown, well rounded, frosted, some more blocky, worn.
XENOTIME					
ZIRCON			5%		Colourless, yellowish, well rounded, some pinkish, worn, vitreous sub/euhedra.

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: L.F. Date: Nov. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332961

ASSESSMENT

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

NEGATIVE

STREAMSED
23.34 kgs
3.6 grams
-2.0+0.20 mm

KEY MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL		Tr	Tr	1 + 0.4, 1 + 0.25mm, black, dull, well rounded, subhedral.	
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER *					

OTHER MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Ice blue, yellow, grey-blue, sub/anhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM		Tr	Tr		Sky blue, mauve-blue, colourless, included, subangular.
EPIDOTE					
FE OXIDE/HYDROXIDE	95%	60%	25%		Yellow-brown, red-brown, dull.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		5%	15%		Silvery-black, blocky, sub/anhedra . Rare low Mg grains : 1.96% MgO, 0.00%Cr2O3
KYANITE					
LEUCOXENE		Tr	5%		After ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Orange, well rounded, resinous opaques, rare, subtranslucent.
PHOSPHATES	5%	25%	5%		Orange-brown, red-brown, yellow-brown, cream, resinous to sub-resinous, blocky.
PREHNITE					
PYROXENE			Tr		1 + 0.25mm, pale beige lath, moderately worn.
RUTILE		Tr	Tr		Silvery-black, orange-red, cherry red, generally rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		10%	40%		Black-brown, rarely coloured, well rounded.
XENOTIME					
ZIRCON		Tr	10%		Colourless, orange, rarely pink, prismatic 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: B.G. Date: Nov. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332962

ASSESSMENT

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

NEGATIVE

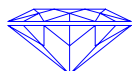
STREAMSED
20.82 kgs
57.1 grams
-2.0+0.20 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
AMPHIBOLE			Tr		Rare. Dull pale to dark green, lath-like, opaque.
ANATASE			Tr		Beige, blue, anhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM		Tr	Tr		Colourless, blocky, rounded, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	95%		Predominantly orange-brown; also red-brown, dull, pisolitic/fragmented.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, sub/anhedral, moderately worn. Rare low Mg grains : 2.46% MgO, 0.18% Cr2O3
KYANITE					
LEUCOXENE		Tr	Tr		Beige, polished.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES			Tr		Creamy orange, orange, cream, resinous opaques.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Brownish-red, orange-red, anhedral, moderately worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	5%		Black-brown, rarely coloured, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, well rounded.
Al, Si, K, Fe MINERAL		Tr	Tr		Dull green, 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:

Observed
by:
Date:B.G.
Nov. 1996.DIATECH
Ph 61 9 361 2596
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HEAVY MINERAL ANALYSIS SHEET**SAMPLE NO****332963****ASSESSMENT**Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed**NEGATIVE**STREAMSED
27.76 kgs
2.8 grams
-2.0+0.20 mm

KEY MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr	1 + 0.25mm	dull, well rounded, finely frosted surface, some pitting.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Pale grey-blue, worn subhedra.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	50%	10%	Tr		Yellow-brown, dull, earthy.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			45%		Dull to bright, silvery-black subhedra. Rare low Mg grains : 0.40%-2.09% MgO, 0.0-0.22% Cr2O3
KYANITE			Tr		1 + 0.25mm, bladed, colourless, Fe-stained.
LEUCOXENE	Tr	Tr	Tr		Beige, cream, well worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Red-orange, resinous, worn, rarely cream.
PHOSPHATES	Tr	Tr	Tr		Cream, brown, resinous, pitted, worn.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Dark reddish-brown, well worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	50%	90%	50%		Black-brown, frosted, coarsely stippled, worn.
XENOTIME					
ZIRCON		Tr	5%		Colourless, orange, pink, some well rounded, others worn vitreous euhedra.

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: L.F. Date: Nov. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332964

ASSESSMENT

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

NEGATIVE

STREAMSED
16.46 kgs
128.5 grams
-2.0+0.20 mm

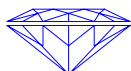
KEY MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		Silvery-black, subhedral.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Blue-grey, golden yellow, tabular, subhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	55%		Brown, dull, rounded, blocky.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	10%		Silvery-black, blocky, rounded, grooved.
KYANITE					
LEUCOXENE		Tr	5%		Brown, beige, blocky, opaque after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Orange-brown, yellow-orange, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, black, elongate.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	30%		Black-brown, brown, orange.
XENOTIME					
ZIRCON		Tr			Golden yellow, honey brown, pale pink, rounded, subhedral.
Fe, K, Si	Tr	Tr	Tr		Dull green, earthy.
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: Nov. 1996.
Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332965

ASSESSMENT

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

POSITIVE

STREAMSED
19.60 kgs
11.2 grams
-2.0+0.20 mm

KEY MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
DIAMOND	Tr				1 + 0.8mm (0.008cts), colourless, inclusion free, distorted, stepped octahedra. (1.2mm x 0.76mm)
PYROPE					
CHROMITE/CR SPINEL			Tr		1+0.20mm, well rounded, flattened, dull, brownish, granular. Kimb.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Mostly pale grey-blue, pearly grey, tabular, worn.
APATITE					
BARITE			Tr		Cream, white, opaque.
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	85%		Dull, yellow-brown, some pisolitic.
GARNET					
GOLD					
GORCEIXITE			Tr		Red-orange, worn, translucent.
HAEMATITE					
ILMENITE			Tr		Rare, silvery-black, worn subhedra. Rare low Mg grains : 0.18-2.70% MgO, 0-0.61% Cr2O3
KYANITE					
LEUCOXENE					
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Well rounded, orange-red, resinous.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Silvery-black, dark cherry red, near spherical.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	15%		Well rounded, near spherical, frosted, black-brown.
XENOTIME					
ZIRCON		Tr	Tr		colourless, red-brown, yellow-orange, well worn.
GREEN MINERAL			Tr		Finely crystalline, dull emerald green.

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: L.F. Date: Nov. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332966

ASSESSMENT

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

NEGATIVE

STREAMSED
22.50 kgs
6.2 grams
-2.0+0.20 mm

KEY MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr	1 + 0.25mm	brownish-black, dull, subhedral, very friable.
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Grey-blue, yellow, sub/anhedra, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Sky blue/colourless, angular, included
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	25%		Yellow-brown, red-brown, grey-black, pisolitic/fractured.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	60%		Silvery-black, sub/anhedral, moderately worn.
KYANITE					
LEUCOXENE		Tr	10%		After ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr	Tr		Orange, well rounded, resinous opaques.
PHOSPHATES	Tr	Tr	Tr		Cream, mottled cream/brown, resinous.
PREHNITE					
PYROXENE					
RUTILE		Tr	Tr		Orange-brown, cherry red, black, sub/anhedral, moderately worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	3%		Black-brown, well rounded.
XENOTIME					
ZIRCON			2%		Orange, colourless, prismatic 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: B.G. Date: Nov. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332967

ASSESSMENT

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

POSS KIMB

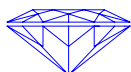
STREAMSED
21.22 kgs
12.8 grams
-2.0+0.20 mm

KEY MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.20		
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL			Tr		1 + 0.25mm, black, dull, anhedral, well rounded, finely pitted surface. Poss kimb
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER *					

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.20		
AMPHIBOLE					
ANATASE			Tr		Grey-blue, ice blue, brownish-yellow, beige/blue, sub/anhedral, translucent to opaque.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	70%		Yellow-brown, red-brown, dull.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	Tr		Silvery-black, blocky, moderately worn.
KYANITE					
LEUCOXENE		5%	30%		Beige, brown, tan, grey, dull to porcelain-like surface, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Cream, orange-brown, resinous, opaque.
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, silvery-black, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Orange-brown, yellow, colourless, prismatic to well rounded.
Al, Si, K, Fe MINERAL	Tr	Tr	Tr		Dull green opaques.

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

ROCK FRAGMENTS				
COMMENTS:				Observed by: B.G. Date: Nov. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332968

ASSESSMENT

Type of sample
Head Weight
Conc Weight -2.0+0.25mm
Size fractions observed

NEGATIVE

STREAMSED
15.42 kgs
0.6 grams
-2.0+0.20 mm

	%	%	%		
KEY MINERALS	+0.8	+0.4	+0.20	<i>mm</i>	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	+0.20	<i>mm</i>	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	80%		Dull, yellow-brown, brown, pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			Tr		Rare, worn, silvery-black, subhedra.
KYANITE					
LEUCOXENE			Tr		Beige, cream, dull, worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr			
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	20%		Well rounded, black-brown.
XENOTIME					
ZIRCON			Tr		Colourless, well rounded, rarely orange.

ROCK FRAGMENTS				
COMMENTS:				Observed L.F. by: Nov. 1996. Date:



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332969

ASSESSMENT

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

NEGATIVE

STREAMSED
29.68 kgs
40.4 grams
-2.0+0.20 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.20	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Pale blue, yellow-green, translucent, sub/anhedral, blocky, tabular.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE			Tr		Rare, yellow-green, subtranslucent, anhedral, blocky, moderately worn.
FE OXIDE/HYDROXIDE	100%	98%	87%		Reddish-brown, brown, dull, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		2%	10%		Silvery-black, sub/anhedral, blocky, tabular, some aggregates. Rare low Mg grains
KYANITE					
LEUCOXENE			2%		Cream, beige, brown, sub/anhedral, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Tan, pinkish-orange, resinous, opaque, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE			Tr		Reddish-orange, subtranslucent, anhedral, worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	1%		Brown, black, anhedral, blocky, rounded.
XENOTIME					
ZIRCON		Tr	Tr		Colourless, pink, orange, transparent, translucent, rounded.
Cu MINERAL	Tr	Tr	Tr		Dull, opaque, green, 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

ROCK FRAGMENTS				
COMMENTS:				Observed by: S.M. Date: Nov. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332970

ASSESSMENT

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

NEGATIVE

STREAMSED
21.34 kgs
29.6 grams
-2.0+0.20 mm

KEY MINERALS	% +0.8	% +0.4	% +0.20	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	% +0.20	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Grey-blue, pearly grey, tabular.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Rare, palest blue, transparent, numerous inclusions.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	20%		Earthy yellow, dull, some pisolitic.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE	Tr	Tr	60%		Silvery-black, bright, worn subhedra. Rare low Mg grains : 3.67% MgO, 0.37% Cr2O3
KYANITE					
LEUCOXENE		Tr	Tr		Beige, cream, dull.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Red-orange, well rounded.
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	20%		Black-brown, near spherical.
XENOTIME					
ZIRCON			Tr		Colourless, pink, yellow, rounded to euhedral, worn.
GREEN MINERAL	Tr	Tr			Several dull, emerald green, finely crystalline aggregates.

ROCK FRAGMENTS				
COMMENTS:				Observed by: L.F. Date: Nov. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332971

ASSESSMENT

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

NEGATIVE

STREAMSED
22.52 kgs
17.1 grams
-2.0+0.25 mm

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

% % % 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, yellow, greyish, transparent, subtranslucent, sub/anedral, blocky, tabular, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Pale blue, rare, transparent, subhedral, blocky, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	98%	69%		Yellow, reddish-brown, dull, subangular, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE			Tr		Black, red highlights, anhedral, blocky, moderately worn.
ILMENITE		2%	20%		Silvery-black, sub/anedral, subangular, blocky, moderately worn.
KYANITE					
LEUCOXENE	Tr	Tr	3%		Creamy beige, brown, dull to sub/porcelain-like, anhedral, blocky, moderately worn.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Pale pinkish-orange, orange, resinous, opaque, anhedral, worn.
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	5%		Brown-black, black, anhedral, rounded.
XENOTIME					
ZIRCON	Tr	Tr	3%		Colourless, pink, orange, sub/anedral, some prismatic, moderately worn, some rounded.

Fe, K, Si			Tr	Dark green, dull, earthy.
ROCK FRAGMENTS				
COMMENTS:				Observed by: S.M. Date: Nov. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332972

ASSESSMENT

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

NEGATIVE

STREAMSED
17.44 kgs
3.5 grams
-2.0+0.25 mm

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

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		Beige, golden, sub/anhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Rare. Mauve-blue, included, moderately worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	95%	40%		Brick red, yellow-brown, brown, dull, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	5%		Silvery-black, blocky, moderately worn, * some have low Mg.
KYANITE					
LEUCOXENE		5%	50%		Beige, grey, tan, brown, blocky, rounded, dull to porcelain-like surfaces.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE			Tr		Orange, yellow-brown, well rounded, resinous.
PHOSPHATES		Tr	Tr		Orange-brown, pale creamy orange, cream, dull to sub-resinous opaques.
PREHNITE					
PYROXENE					
RUTILE			Tr		Silvery-black, orange-red, sub/anhedral, moderately worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	5%		Black-brown, rarely coloured, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, orange-brown, generally well rounded, some subhedral.

ROCK FRAGMENTS				
COMMENTS:				Observed by: B.G. Date: Nov. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332973

ASSESSMENT

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

NEGATIVE

STREAMSED
22.20 kgs
0.8 grams
-2.0+0.20 mm

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.20		
AMPHIBOLE					
ANATASE			Tr		Golden yellow, subtranslucent, subhedral.
APATITE					
BARITE		Tr			Colourless, tabular, frosted.
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Colourless, blue, tabular.
EPIDOTE					
FE OXIDE/HYDROXIDE	40%	80%	35%		Brown, mustard yellow, blocky, earthy fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			5%		Silvery-black, blocky, angular.
KYANITE					
LEUCOXENE		Tr	30%		Brown, beige, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES	60%	20%	Tr		Orange-brown, pinkish-brown, cream, blocky, rounded.
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, black, elongate, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	30%		Black-brown, brown, blue, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, 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:				Observed by: J.D. Date: Nov. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332974

ASSESSMENT

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

NEGATIVE

STREAMSED
21.50 kgs
41.7 grams
-2.0+0.25 mm

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

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		Ice blue, sky blue, sub/anedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	85%		Yellow-brown, red-brown, dull to polished, pisolitic/fractured.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE		Tr	Tr		Silvery-grey, blocky.
ILMENITE		Tr	Tr		Silvery-black, blocky, angular, moderately worn, * some with low Mg.
KYANITE					
LEUCOXENE			Tr		Beige, tan, dull to porcelain-like surface.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Red-brown, cream, opaque.
PREHNITE					
PYROXENE					
RUTILE			Tr		Rare. Black, subhedral, moderately worn.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	15%		Black-brown, rarely coloured, well rounded.
XENOTIME					
ZIRCON	Tr	Tr	Tr		Colourless, palest pink, prismatic to well rounded.

ROCK FRAGMENTS				
COMMENTS:				Observed by: B.G. Date: Nov. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332975

ASSESSMENT

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

NEGATIVE

STREAMSED
21.40 kgs
178.4 grams
-2.0+0.25 mm

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

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Rare, blue, subtranslucent, subhedral, tabular, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Reddish-brown, brown, blocky, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE					
KYANITE					
LEUCOXENE			Tr		Creamy, dull, anhedral, blocky, rounded.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			Tr		Black, anhedral, rounded.
XENOTIME					
ZIRCON					

ROCK FRAGMENTS				
COMMENTS: + 1.2, fully observed. + 0.8mm, fully observed. + 0.4mm, ½ split observed. + 0.25mm, ¼ split observed.				Observed by: S.M. Date: Nov. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332976

ASSESSMENT

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

NEG

STREAMSED
19.82 kgs
95.8 grams
-2.0+0.25 mm

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

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

OTHER MINERALS	%	%	%	mm	BRIEF DESCRIPTION
	+0.8	+0.4	+0.25		
AMPHIBOLE					
ANATASE			Tr		Rare, beige, anhedral, moderately worn.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	100%		Yellow-brown, red-brown, dull to polished pisolites.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE		Tr			Rare, silvery-grey, tabular.
ILMENITE		Tr	Tr		Silvery-black, blocky, sub/anhedral, Some with low Mg.
KYANITE					
LEUCOXENE		Tr	Tr		Greyish-beige, beige, dull.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES		Tr	Tr		Cream, orange-brown, dull to resinous, opaque.
PREHNITE					
PYROXENE					
RUTILE			Tr		Silvery-black, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	Tr		Black-brown, well rounded.
XENOTIME					
ZIRCON			Tr		Fe-stained, colourless, prismatic to well rounded.
Al, Si, K, Fe MINERAL	Tr	Tr	Tr		Dull green, opaque.

ROCK FRAGMENTS				
COMMENTS:				Observed by: B.G. Date: Nov. 1996.



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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO

332977

ASSESSMENT

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

NEGATIVE

STREAMSED
21.84 kgs
38.8 grams
-2.0+0.25 mm

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

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		Tabular, palest blue-grey, yellowish, worn subhedra.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	80%		Dull, earthy, reddish-brown, brown.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	10%		Silvery-black, subhedra, moderately dull, moderately worn.
KYANITE					
LEUCOXENE			Tr		After ilmenite, cream, beige.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE		Tr			
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE	Tr	Tr	10%		Well rounded, black-brown grains.
XENOTIME					
ZIRCON		Tr	Tr		Rare, colourless, worn, some very well worn, glassy.
GREEN MINERAL	Tr	Tr	Tr		Finely crystalline aggregates, dull, opaque, emerald green.
ROCK FRAGMENTS					

COMMENTS:

 Observed
by:
Date:

 L.F.
Nov. 1996.

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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO
332978
ASSESSMENT

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

NEGATIVE

 STREAMSED
22.88 kgs
4.3 grams
-2.0+0.25 mm

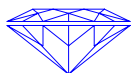
	%	%	%		
KEY MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

	%	%	%		
OTHER MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE		Tr	Tr		Blue-grey, golden yellow, tabular, subhedral.
APATITE					
BARITE					
CALCITE					
CASSITERITE			Tr		Red-orange, rounded, frosted.
CORUNDUM			Tr		Colourless/blue, blocky.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	45%	Tr		Red-brown, mustard yellow, brown, dull, rounded.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		50%	80%		Silvery-black, blocky, angular, grooved.
KYANITE					
LEUCOXENE		Tr	15%		Brown, beige, angular, opaque, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, elongate, rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, frosted, included, rounded.
SULPHIDES					
TOURMALINE	Tr	5%	5%		Black-brown, brown, well rounded.
XENOTIME					
ZIRCON			Tr		Colourless, orange, honey brown, pale pink.
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:

 J.D.
Nov. 1996.

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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO
332979
ASSESSMENT

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

NEGATIVE

 STREAMSED
16.70 kgs
16.3 grams
-2.0+0.25 mm

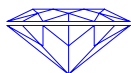
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	90%	45%		Brown, red-brown, rounded, earthy fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE	Tr	Tr			Black, micaceous, specular, blocky, granular.
ILMENITE		10%	40%		Silvery-black, tabular, blocky, grooved.
KYANITE					
LEUCOXENE		Tr	5%		Brown, beige, cream, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE	Tr	Tr	Tr		Grey-black, angular, dull.
MONAZITE					
PHOSPHATES			Tr		Pale orange, orange-brown, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, black, opaque, elongate, rounded.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	10%		Black-brown, brown, rounded, subhedral.
XENOTIME					
ZIRCON			Tr		Colourless, pale pink, orange, sub/anhedral.
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:

 J.D.
Nov. 1996.

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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO
332980
ASSESSMENT

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

NEGATIVE

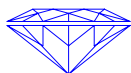
 STREAMSED
19.46 kgs
grams
-2.0+0.25 mm

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

	%	%	%		
OTHER MINERALS	+0.8	+0.4	+0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	5%		Dull, red-brown.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			30%		Silvery-black, worn, bright subhedra.
KYANITE					
LEUCOXENE		Tr	35%		After ilmenite, beige, cream, grey, worn, polished.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE			30%		Well rounded, black-brown.
XENOTIME					
ZIRCON			Tr		Colourless, well rounded.
ANDALUSITE			Tr		Rare, palest pink, blocky, 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:

Observed
by:
Date:L.F.
Nov. 1996.DIATECH
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HEAVY MINERAL ANALYSIS SHEET**SAMPLE NO****332981****ASSESSMENT**Type of sample
Head Weight
Conc Weight -1.2+0.25mm
Size fractions observed**NEGATIVE**STREAMSED
18.20 kgs
6.02 grams
-2.0+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Rare, pale blue, worn.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	50%		Earthy, yellow, dull.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		Tr	25%		Dull, silvery-black, subhedra.
KYANITE					
LEUCOXENE			Tr		Beige, cream, well rounded.
MAGNETITE					
MICA					
MN OXIDE	Tr				Dull, grey-black.
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Worn, silvery-black.
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	25%		Black-brown, well rounded.
XENOTIME					
ZIRCON			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:

 Observed
by:
Date:

 L.F.
Nov. 1996.

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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO
332982
ASSESSMENT

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

NEGATIVE

 STREAMSED
13.02 kgs
51.94 grams
-2.0+0.25 mm

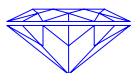
KEY MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
DIAMOND					
PYROPE					
CHROMITE/CR SPINEL					
CHROME DIOPSIDE					
PICROILMENITE					
PHLOGOPITE					
OTHER					

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	90%	90%	99%		Dull, reddish-brown fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			Tr		Silvery-black, dull, worn subhedra.
KYANITE					
LEUCOXENE		Tr	Tr		
MAGNETITE					
MICA					
MN OXIDE	10%	10%	Tr		Grey-black, nodular, dull.
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE					
SULPHIDES					
TOURMALINE		Tr	1%		Black-brown, well rounded, worn.
XENOTIME					
ZIRCON			Tr		Rare, 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:

 Observed
by:
Date:

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Nov. 1996.

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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO
332983
ASSESSMENT

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

NEGATIVE

 STREAMSED
16.76 kgs
12.27 grams
-2.0+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE			Tr		Dark green, elongate, fibrous. Rare.
ANATASE			Tr		Golden yellow, silvery-grey, translucent, tabular.
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM			Tr		Colourless/blue, blocky. Rare.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	80%	20%		Brown, red-brown, rounded, dull, earthy fragments.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		15%	55%		Silvery-black, tabular, angular, blocky, grooved.
KYANITE					
LEUCOXENE			20%		Brown, beige, grey, rounded, angular, after ilmenite.
MAGNETITE					
MICA					
MN OXIDE			Tr		Dull, grey-black, blocky.
MONAZITE					
PHOSPHATES			Tr		Red-brown, resinous, rounded.
PREHNITE					
PYROXENE					
RUTILE			Tr		Orange-red, cherry red, elongate, some striate.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, frosted, included, rounded.
SULPHIDES					
TOURMALINE		5%	5%		Black-brown, brown, green, rounded, subhedral.
XENOTIME					
ZIRCON			Tr		Honey brown, colourless, sub/anhedral.
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:

 J.D.
Nov. 1996.

 DIATECH
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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO
332984
ASSESSMENT

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

NEGATIVE

 STREAMSED
17.62 kgs
18.69 grams
-2.0+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE			Tr		Golden yellow, translucent, tabular. Rare.
APATITE					
BARITE					
CALCITE					
CASSITERITE			Tr		Red/black, blocky, frosted. Rare.
CORUNDUM			Tr		Colourless/blue, sub/anedral. Rare.
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	99%	50%		Brown, red-brown, dull, rounded, blocky, earthy.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE		1%	40%		Silvery-black, tabular, rounded, blocky, angular, grooved.
KYANITE					
LEUCOXENE			Tr		Beige, brown, grey, rounded.
MAGNETITE					
MICA					
MN OXIDE	Tr				Grey-black, dull, blocky.
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE			Tr		Cherry red, black, elongate, rounded.
SPHENE					
SPINEL					
STAUROLITE			Tr		Orange-brown, tabular, frosted, included.
SULPHIDES					
TOURMALINE		Tr	10%		Brown, black-brown, blue, rounded.
XENOTIME					
ZIRCON			Tr		Colourless, orange, rounded, subhedral.
ANDALUSITE			Tr		Rare. Pale flesh pink, angular.
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:

 J.D.
Nov. 1996.

 DIATECH
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HEAVY MINERAL ANALYSIS SHEET

SAMPLE NO
332985
ASSESSMENT

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

NEGATIVE

 STREAMSED
13.64 kgs
0.78 grams
-2.0+0.25 mm

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

OTHER MINERALS	% +0.8	% +0.4	% +0.25	mm	BRIEF DESCRIPTION
AMPHIBOLE					
ANATASE					
APATITE					
BARITE					
CALCITE					
CASSITERITE					
CORUNDUM					
EPIDOTE					
FE OXIDE/HYDROXIDE	100%	100%	Tr		Dull, red-brown.
GARNET					
GOLD					
GORCEIXITE					
HAEMATITE					
ILMENITE			70%		Partly leucoxenised, silvery-black subhedra.
KYANITE					
LEUCOXENE			25%		After ilmenite, dark brown, beige.
MAGNETITE					
MICA					
MN OXIDE					
MONAZITE					
PHOSPHATES					
PREHNITE					
PYROXENE					
RUTILE					
SPHENE					
SPINEL					
STAUROLITE			Tr		Rare, orange-brown, worn.
SULPHIDES					
TOURMALINE		Tr	5%		Well rounded, near spherical, black-brown.
XENOTIME					
ZIRCON			Tr		Colourless, well rounded, 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.
Nov. 1996.