

837001

ANNUAL REPORT EL 12/93 SCAMANDER RIVER

12 months ending October 1994

MPI GOLD PTY LTD
LEVEL 3
1 WALKER AVENUE
WEST PERTH
WA 6005

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AUTHOR

ROGER POLTOCK

DATE

22/9/1994

R Poltock

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1. INTRODUCTION

This report details the results of exploration completed by MPI Gold Pty Ltd in the first year of tenure at Scamander River, year ending 12/11/1994.

MPI considered that the area had potential for a moderate tonnage and low grade gold deposit. The Golden Ridge prospect is one of few in NE Tasmania where broad intervals of gold mineralization have been located (Golden Ridge costean 34.5m @ 1.37g/tAu, Randell 1991). Elsewhere in the NE gold mineralization typically occurs in high grade but narrow discontinuous veins.

Work completed during the year has included a review of previous exploration, locating and sampling old mine workings, BLEG and -80# stream geochemistry and soil geochemistry.

2. LOCATION AND ACCESS

The licence is situated in NE Tasmania approximately 20km west of St Helens and 70km east of Launceston see Fig 1.

3. LAND TENURE

EL 12/93 was granted to MPI Gold Pty Ltd on the 12/11/1993 for a 12 month period. The area comprising 90km² from ETA 326 and 22km² of open ground.

The land status within the licence is mainly State Forest plus the Avenue River RAP and some private land.

Two exclusions exist within the licence, the 52ha Evercreech forest reserve and a 2ha stone lease (15M/92) near Risky Ridge held by North Broken Hill.

MT. YOUNG

5420 000 N

5415 000 N

580 000 E

590 000 E

To St Helens

To Fingal and
Mathinna

RISKY RIDGE

DOUBLE EVENT

TRAFALGAR

HOGANS ROAD

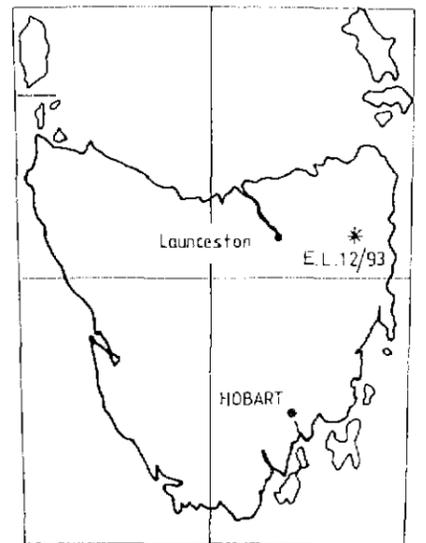
GOLDEN RIDGE

GOLDEN RIDGE

BRILLIANT

QUEEN OF THE EARTH

Queen of the Earth
Creek



MPI GOLD PTY LTD

E.L. 12/93 GOLDEN RIDGE

LOCATION PLAN

AUTHOR : R.POLTOCK	OFFICE : TAS	DRAWING No.
DRAWN : O.HEDDITCH	DATE : 8 94	
REVISED :	DATE :	
SCALE : 1:50 000		

5 cm

⌘ ABANDONED MINE
 — SOIL SAMPLE TRAVERSE

857004

4. REGIONAL GEOLOGICAL SETTING

The licence covers part of the southern contact aureole of the Devonian aged Blue Tier Batholith, one of three large batholiths in eastern Tasmania which together cover 2500km² (Burrett and Martin 1989). The batholiths comprising multiple intrusions including granodiorite, granite, adamellite and minor diorite. The granitoids intruded Siluro-Devonian Mathinna Bed siltstone and greywackes.

Granitoid emplacement has been interpreted as occurring at a high level in the crust see Taylor in Randell Dec' 1991. This interpretation is based on the narrow hornfels aureoles (<2km) and is supported by the occurrence of the St Marys Porphyrite an extrusive equivalent of the granitoids see Burrett and Martin 1989.

All mineralization in NE Tasmania is granite related and includes Au Sn Cu Pb Zn Mo and WO₃ see Table 1.

TABLE 1. Metal resource (production + reserve) in NE Tasmania, data from Burrett and Martin 1989.

<u>Gold vein deposits</u>		
-Tasmania	2.09Mt	24g/tAu
-Lefroy (7 mines)	0.08Mt	31g/tAu
-New Golden Gate (Mathinna)	0.30Mt	26g/tAu
<u>Tin/tungsten veins</u>		
-Aberfoyle	2.1Mt	0.91%Sn 0.28%WO ₃
-Storeys Creek	1.1Mt	0.18%Sn 1.09%WO ₃
-Great Pyramid	3.0Mt	0.33%Sn
<u>Granite greisen</u>		
-Anchor	5.44Mt	0.25%Sn
-Royal George	0.32Mt	0.50%Sn

The main gold mineralization trend near EL 12/93 is between Mangana - Mathinna - Alberton, a NNW trending structural corridor with a strike of 40km. Deposits within this zone are hosted in Mathinna beds at some distance from a granite. The Brilliant Creek Goldfield of which Golden Ridge is the centre appears to be closely associated with a geochemically distinctive granitoid (Davidson and Roach, see Randell Feb' 1991).

5. SUMMARY OF PREVIOUS EXPLORATION AND MINING ACTIVITY

An initial phase of gold prospecting and mining occurred at the turn of the century with a second phase in the 1930's. Only minor production resulted and was primarily small test parcels of ore. This activity is reported on as the Hogans Track and the Brilliant Creek Goldfield in the following old series Mines Dept' reports;

"Report on the Queen of the Earth Gold Mine and neighbourhood" by W.H.Twelvetrees, 1900.

"Report on Gold Mines near Hogans Track" by W.H.Twelvetree, 1899.

"Notes on the Trafalgar Leases - Upper Scamander District" by Q.J.Henderson, 1935.

"Report on the Geological Survey of the Country between Scamander and Mathinna" by Q.J.Henderson, 1935.

Unnamed report by Q.J.Henderson, 1935.

EL 12/93 has been held under licence in part or in its entirety by Oceania Tasmania (EL 24/82), Union Corporation (Aust) Pty Ltd (EL 21/80), Texins Development Pty Ltd and Aureole N.L et al in joint venture with Billiton Australia (EL 58/88). The companies targeting gold with the exception of Union Corp whose primary target was base metals. With the exception of Billiton's exploration all work has been of a regional nature.

Billiton's program included stream and soil geochemistry, mapping and costeaning. The program culminating in the drilling of 7RCP holes at the Golden Ridge and Trafalgar prospects, the best intersection 6m @ 4.41g/tAu in RCP3 at Golden Ridge. The drilling program was not completely effective due to drilling problems below the water table and holes at the Trafalgar prospect were drilled parallel to the strike of the mineralized veins.

Geological consultants were used as part of Billiton's program and included;

-a regional study of gold mineralization and potential in NE Tasmania by Taylor see Appendix 3 Randell Dec 1991. Taylor's conclusions were that the Devonian batholiths associated with gold mineralization in NE Tasmania were emplaced at relatively high levels in the crust, developing narrow aureoles and limited gold potential.

-a study of the structural setting, mineralization styles, geophysical properties of the main rock units and lithogeochemistry of granitoids in the licence was completed by Davidson and Roach see Appendix 2 Randell Feb' 1991.

In addition two honours projects were completed which are relevant to exploration at Golden Ridge, these are by;

- Taylor 1992, a structural traverse across the Mathinna Group mainly east between Golden Ridge and the east coast.

- Capp 1992, structure, lithogeochemistry and controls on gold mineralization at Evercreech and Golden Ridge, a summary of the thesis is included in Randell March 1992.

6. WORK COMPLETED BY MPI Gold Pty Ltd

6.1. Channel sampling in the Brilliant stope

The Brilliant stope, located at Golden Ridge is the most extensive working at this prospect see Fig 2. Fourteen 1m vertical channel samples of the stope walls were collected see Appendix 1. All samples were of variably limonitic, slightly sericitized rather than hornfelsed, very jointed, siltstone and fine grained sandstone with little sign of veining. Gold is considered to be associated with limonite on joint surfaces. Assays ranged from 0.34g/t to 2.8g/t Au see appendix 1 and 2.

Two diamond drill holes have been proposed to test the stope and adjacent costean mineralization at depth.

6.2. Geological compilation and interpretation at the Golden Ridge prospect

Existing data from the prospect has been reviewed, the aim to define controls on mineralization at the prospect and define drill targets. Mineralization is interpreted to occur in a moderate to steeply dipping fracture/shear zone within shallow dipping hornfelsed /sericitized siltstone and sandstone. The zone has an exposed strike of 180m and a maximum width of 35m see Fig 2. Mineralization is best developed in the siltstone dominated sequence as limonite +/- quartz veinlets on microfractures and bedding. The massive overlying sandstone has well developed and well defined but discontinuous steeply dipping quartz reefs up to 1m width, with no mineralization hosted in the wall rocks see Fig 3.

6.3. Mines Department Brooks Creek DDH

A 500m deep vertical hole see Fig 5 was drilled to test a magnetic anomaly in the hornfels aureole of the Golden Ridge granite. A summary drill section is included as Fig 4. Significant features in the hole include;

- intersected variably hornfelsed flat lying Mathinna beds.
- minor quartz veining.
- carbonaceous, slightly calcareous and pyritic siltstone occur between 74.40-79.30m.
- minor magnetite bearing bands <3mm thick occur between 185-192m.
- calcareous sandstone occurs between 390-500m.

6.4. Double Event Prospect

These old workings at 587900E 5417400N were located and sampled. A quartz arsenopyrite vein about 0.3m wide, with a vertical dip and striking 060° AMG is hosted in sericitized and deeply weathered granite near the hornfels contact. Samples of the vein from dumps assayed upto 22.30g/tAu and 6.6%As. No further follow up work has been carried out.

6.5. Stream geochemistry

The Billiton survey Randel Feb' 1991 has been extended and infilled see Fig 5. Active stream silt was collected and the samples sieved to -80# and -16# at Analabs, the -16# fraction assayed by cyanide leach.

Two different stream environments exist in the EL;

- streams with abundant fine silt draining areas of granite and associated wet sclerophyll forest.
- streams with minimal silt associated with abundant gravelly organic matter in streams draining homfels with dry eucalypt scrub cover.

The effect of these two drainage domains on the stream geochemistry results has not been taken into consideration when interpreting data by Billiton or MPI.

Three areas were targeted for more detailed sampling, the headwaters of the Scamander and Avenue Rivers and Brilliant Creek. The only strong anomaly resulting from this work is in Brilliant Creek, 98.20 - 88.90 - 54.40 ppb dispersion downstream from the Golden Ridge workings and is interpreted as tailings from the mill, although no sign of tailings were in evidence in the stream.

6.6. Soil geochemistry

B/C horizon soil geochemical traverses have been completed at Risky Ridge and in the headwaters of Queen of the Earth Creek see Fig 5., both designed to test BLEG stream anomalies. 105 composite samples from 3 sites over a 50m interval were collected. Samples were sieved at Analabs and the -80# fraction assayed for Cu Pb Zn As Au see Appendix 2.

At Queen of the Earth Creek two traverses at right angles to each other were sampled. The NW trending traverse detected a 400m wide weakly anomalous zone 0.014 - 0.04ppmAu (background <0.005ppmAu) and <210ppmAs the anomaly is coincident with sheared and slightly limonitic siltstones which assay upto 0.50g/tAu.

At Risky Ridge in the granite homfels contact zone four NNE trending traverses have been sampled. Maximum assays of 0.032ppm Au and 32.5ppmAs were recorded. These are weak anomalies and do not warrant further work.

7. CONCLUSIONS AND RECOMMENDATIONS

Gold mineralization at the Brilliant - Golden Ridge prospects is interpreted to occur in a steeply dipping highly fractured zone in siltstone. This zone which has been mined in the Brilliant stope and intersected in Billiton's drill RCP3 should be tested at depth by diamond drilling.

At the Double Event prospect, a persistent and mineralized vein occurs in altered granite. The vein should be drill tested to evaluate the vein and the potential for mineralized wall rock.

Stream BLEG anomalies upto 6.5ppbAu at Queen of the Earth Creek have been found to be associated with a broad zone of weak soil anomalism and rockchips to 0.5g/t in sheared /limonitic and quartz veined siltstone. Potential may exist within this zone for economic mineralization.

BLEG stream anomalies to 22.7ppb at Risky Ridge in the headwaters of the Avenue River are not supported by soil and rock geochemistry although this is of limited extent.

8. PROPOSED FUTURE EXPLORATION

Drilling two 125m deep diamond drill holes to test the Brilliant structural zone at depth.

Further soil/rock geochemistry and geological evaluation of the Double Event prospect and the Queen of the Earth area.

9. EXPENDITURE SUMMARY 12 months to October 1994

Casual labour	4,350.00
Consultants fees	7,278.00
Assaying	3,631.00
Claims and tenement fees	2,211.00
Drafting services and supplies	190.00
Maps, plans and photos	211.00
Travel, accomodation and freight	6,631.00
Technical service charges	4,225.00
Total	\$28,727.00

Figure 3.

EL 12/93 GOLDEN RIDGE

MINERALIZATION STYLES - A SCHEMATIC SECTION

QUARTZITE

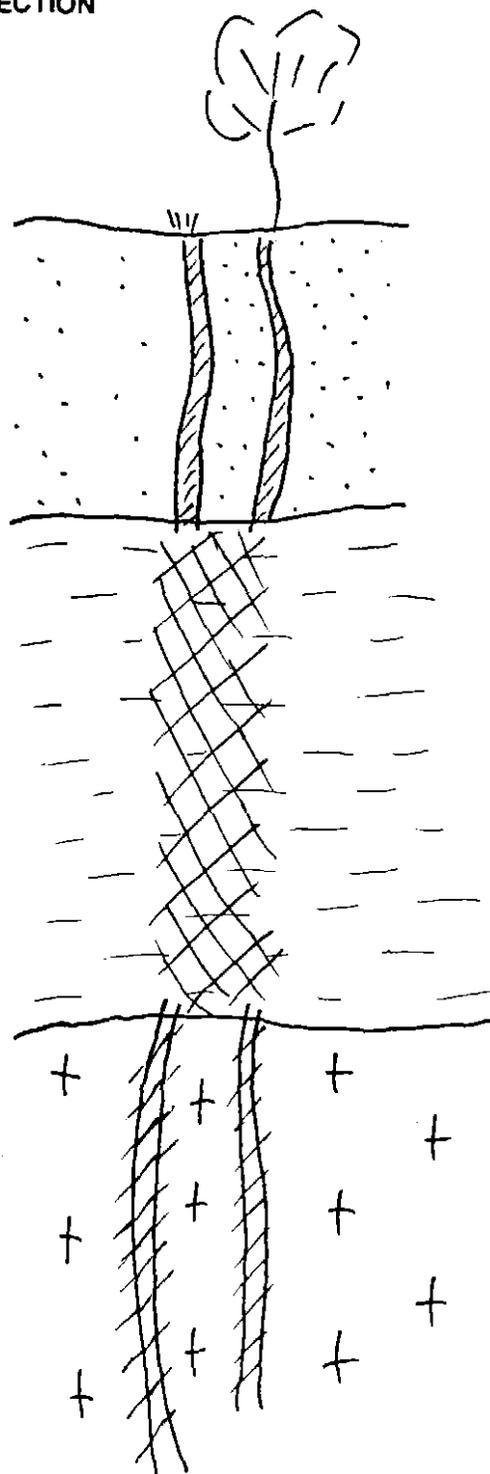
Quartz reefs eg New Golden Gate
and Queen of the Earth prospects

SILTSTONE

Fracture and shear controlled mineralization,
eg Brilliant stope

GRANITE

Quartz arsenopyrite veins with sericitized
wall rocks eg Trafalgar and Double Event
prospects



REFERENCES

Burrett, C.F., and Martin, E.L., 1989 Geology and mineral resources of Tasmania. Special publication 15. Geological Society of Australia Incorporated.

Capp, S., 1992 Honours thesis University of Tasmania. The geology of the Evercreech Area, North East Tasmania.

Randell, J.P., Feb' 1991 Billiton Australia. EL 58/88 Golden Ridge Joint Venture. Annual exploration report for the period 7th April 1990 to 7th April 1991.

Randell, J.P., Dec' 1991 Billiton Australia. Reconnaissance gold exploration North East Tasmania 1989/90.

Randell, J.P., March 1992 Billiton Australia. EL 58/88 Golden Ridge Joint Venture. Partial relinquishment report.

Taylor, B.P., 1992. Honours thesis University of Tasmania. Structural traverse across the Mathinna Group, north eastern Tasmania.

APPENDIX 1.

ANALYTICAL REPORTS



ANALABS

A Division of Incharge Inspection and
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857013

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SAMPLE DESCRIPTION

ELEMENT/METHOD

0430/97.0999/1000,1102/06

RD Prep : 6P001,6P005,6P012,6P018

As: Au(R), Au(S) / 69313

As: HA201, As: GA201

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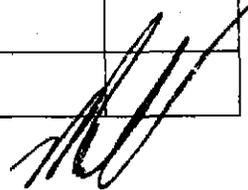
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2	0981	0.894	-	-	3	-					
3	0982	2.280	-	-	5	-					
4	0983	1.510	-	-	3	-					
5	0984	1.800	-	-	4	-					
6	0985	0.665	-	-	21	-					
7	0986	0.685	-	-	8	-					
8	0987	0.675	-	-	9	-					
9	0988	0.888	-	-	5	-					
10	0989	2.020	-	-	5	-					
11	0990	1.270	-	-	14	-					
12	0991	0.603	0.638	0.710	11	-					
13	0992	0.324	-	-	6	-					
14	0993	0.336	-	-	4	-					
15	0994	0.062	0.076	-	2	-					
16	0995	0.012	-	-	45	-					
17	0996	0.020	-	-	15	-					
18	0997	0.032	-	-	35	-					
19	0999	0.408	0.505	-	53	-					
20	1000	0.006	-	-	18	-					
21	1102	<0.005	-	-	2	-					
22	1103	0.609	0.648	-	>100	380					
23	1104	0.013	-	-	20	-					
24	1105	<0.005	-	0.006	15	-					
25	1106	0.024	-	-	5	-					

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20											
21											
22											
23	DETECTION	0.005	0.005	0.005	1	100					
24	UNITS	ppm	ppm	ppm	ppm	ppm					
25	METHOD	GG313	GG313	GG313	HA201	GA201					

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ELEMENT/METHOD

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SS Prep : GP007, GP016

As/HA101

46# 1111 - 1308

SS Prep : GP032

Au, Ag/GG341

TotWt. - 16Wt/GP007

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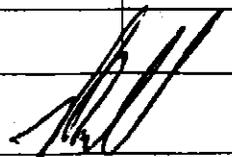
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2	1112 -80#	-	-	-	-	6			
3	1114 -80#	-	-	-	-	17			
4	1116 -80#	-	-	-	-	2			
5	1269 -80#	-	-	-	-	9			
6	1271 -80#	-	-	-	-	6			
7	1273 -80#	-	-	-	-	27			
8	1275 -80#	-	-	-	-	11			
9	1277 -80#	-	-	-	-	7			
10	1279 -80#	-	-	-	-	6			
11	1281 -80#	-	-	-	-	7			
12	1283 -80#	-	-	-	-	15			
13	1285 -80#	-	-	-	-	12			
14	1287 -80#	-	-	-	-	26			
15	1289 -80#	-	-	-	-	26			
16	1291 -80#	-	-	-	-	46			
17	1293 -80#	-	-	-	-	8			
18	1295 -80#	-	-	-	-	7			
19	1297 -80#	-	-	-	-	31			
20	1299 -80#	-	-	-	-	7			
21	1307 -80#	-	-	-	-	4			
22	1111 -16#	6604.4	4521.8	0.18	0.047	-			
23	1113 -16#	5024.9	4257.4	0.24	0.041	-			
24	1115 -16#	4519.5	3422.4	0.70	0.067	-			
25	1117 -16#	7722.2	6632.6	0.12	0.058	-			

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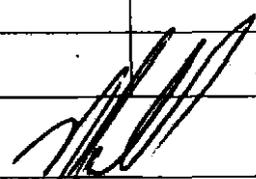
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3	1274 -16#	5931.0	694.44	3.31	0.127	-				
4	1276 -16#	4893.9	794.88	1.40	0.063	-				
5	1278 -16#	5557.1	948.14	0.59	0.061	-				
6	1280 -16#	3931.0	949.26	0.88	0.097	-				
7	1282 -16#	2396.8	326.28	2.37	0.193	-				
8	1284 -16#	4137.3	799.94	4.09	0.110	-				
9	1286 -16#	3190.8	944.64	1.19	0.062	-				
10	1288 -16#	5945.0	1369.3	98.20	<0.010	-				
11	1290 -16#	6582.0	1087.0	88.90	0.127	-				
12	1292 -16#	5510.0	917.62	54.40	0.111	-				
13	1294 -16#	7692.3	5063.1	0.08	0.039	-				
14	1296 -16#	5760.1	4956.6	0.12	0.032	-				
15	1298 -16#	4043.0	1108.8	0.29	0.105	-				
16	1300 -16#	5923.4	5017.3	0.28	0.060	-				
17	1308 -16#	5123.0	1040.2	0.77	0.056	-				
18										
19										
20										
21										
22										
23	DETECTION	0.01	0.01	0.05	0.010	1				
24	UNITS	g	g	ppb	ppm	ppm				
25	METHOD	GP007	GP007	GG341	GG341	HA101				

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105

SAMPLE NUMBERS

SAMPLE DESCRIPTION

ELEMENT/METHOD

118/1200, 1250, 1258, 1301/1306

SD Prod : BP031

Cu, Pb, Zn/6A140

As/6B140

Pb, As, Fe/6B705

RESULTS
TO

Mr Roger Pollock
Roger Pollock Geological Pty Ltd
C/- Post Office
KILNAT 748 7310

RESULTS
TO

Geochemical Clerk
Mining Project Investors Pty Ltd
P.O. Box 749
WEST PERTH WA 6005

RESULTS
TO

[Empty box for results recipient]

REMARKS

AUTHORISED OFFICER

ANALABS

 A Division of Incharge Testing Services (Australia) Pty. Ltd.
 A.C.N. 004 591 664

ANALYTICAL DATA

SAMPLE PREFIX

REPORT No.

REPORT DATE

CLIENT ORDER No.

PAGE

109555.60.09898

18/01/94

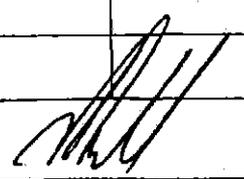
PX 0469

1 OF 5

SUBE No.	SAMPLE No.	Cu	Pb	Zn	As	As	Au			
1	1118	12	7	39	3.5	-	0.001			
2	1119	25	7	60	3.0	-	0.001			
3	1120	24	8	37	6.0	-	0.001			
4	1121	13	8	28	6.0	-	0.001			
5	1122	11	5	33	11.0	-	<0.001			
6	1123	8	3	26	15.0	-	0.001			
7	1124	13	4	47	25.0	-	0.001			
8	1125	19	3	44	31.0	-	0.001			
9	1126	15	4	37	15.0	-	0.002			
10	1127	33	<3	40	18.5	-	0.002			
11	1128	18	<3	31	28.0	-	0.011			
12	1129	13	3	22	32.5	-	0.032			
13	1130	10	6	44	25.5	-	0.011			
14	1131	4	12	33	21.0	-	0.001			
15	1132	4	13	35	13.0	-	0.001			
16	1133	4	12	39	10.5	-	<0.001			
17	1134	5	11	30	4.5	-	<0.001			
18	1135	5	13	35	5.5	-	<0.001			
19	1136	5	15	51	5.0	-	<0.001			
20	1137	10	15	60	18.5	-	0.001			
21	1138	2	<3	6	2.5	-	0.001			
22	1139	4	7	8	3.0	-	0.001			
23	1140	6	13	30	9.5	-	0.002			
24	1141	18	17	82	32.0	-	0.002			
25	1142	28	22	69	47.5	-	0.001			

Results in ppm unless otherwise specified
 T = element present; but concentration too low to measure
 X = element concentration is below detection limit
 - = element not determined

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 A.C.N. 004 591 664

ANALYTICAL DATA

SAMPLE PREFIX

REPORT No.

REPORT DATE

CLIENT ORDER No.

PAGE

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18/01/94

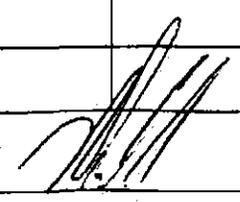
PX 0469

2 OF 5

UBE No.	SAMPLE No.	Cu	Pb	Zn	As	As	Au			
1	1143	59	56	95	>100.0	250	0.005			
2	1144	55	32	47	90.0	-	0.009			
3	1145	16	17	19	9.5	-	0.008			
4	1146	5	14	10	5.0	-	0.014			
5	1147	26	25	31	11.0	-	0.040			
6	1148	27	28	37	12.0	-	0.017			
7	1149	50	35	55	18	-	0.038			
8	1150	26	38	37	80.0	-	0.014			
9	1151	29	32	43	>100.0	130	0.022			
10	1152	29	39	37	>100.0	210	0.021			
11	1153	40	60	38	18	-	0.035			
12	1154	53	79	106	57.5	-	0.018			
13	1155	18	28	26	12.5	-	0.002			
14	1156	2	14	8	28.5	-	0.003			
15	1157	6	18	8	19.0	-	0.008			
16	1158	29	32	41	38.5	-	0.009			
17	1159	38	29	54	24.5	-	0.004			
18	1160	24	21	43	13.0	-	0.003			
19	1161	32	27	56	36.0	-	0.005			
20	1162	36	30	57	>100.0	190	0.019			
21	1163	48	30	128	14.0	-	0.003			
22	1164	45	35	98	18	-	0.009			
23	1165	22	25	36	39.0	-	0.020			
24	1166	25	33	36	18	-	0.016			
25	1167	38	32	40	28.5	-	0.017			

Results in ppm unless otherwise specified
 T = element present, but concentration too low to measure
 X = element concentration is below detection limit
 -- = element not determined

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OFFICER



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A Division of Incharge Testing Services (Australia) Pty. Ltd.
A.C.N. 004 591 664

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ANALYTICAL DATA

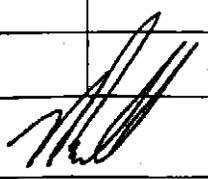
SAMPLE PREFIX REPORT No. REPORT DATE CLIENT ORDER No. PAGE

109555.60.09998 18/01/94 PX 0469 3 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	As	As	Au			
1	1168	38	26	49	18.5	-	0.005			
2	1169	25	19	48	50.5	-	0.010			
3	1170	22	14	60	15	-	0.024			
4	1171	27	13	78	20.5	-	0.004			
5	1172	18	15	55	20.0	-	0.004			
6	1173	16	12	61	12.5	-	0.006			
7	1174	15	10	44	8.5	-	0.010			
8	1175	10	9	32	3.5	-	0.001			
9	1176	13	16	35	26.5	-	0.002			
10	1177	14	12	25	15.5	-	0.004			
11	1178	6	13	24	12.0	-	<0.001			
12	1179	16	19	31	49.5	-	0.001			
13	1180	10	13	20	18.0	-	<0.001			
14	1181	7	11	20	10.5	-	0.001			
15	1182	3	9	7	26.0	-	0.001			
16	1183	4	6	4	31.5	-	0.001			
17	1184	3	9	5	49.5	-	0.001			
18	1185	5	9	5	52.0	-	<0.001			
19	1186	3	6	3	54.5	-	<0.001			
20	1187	6	14	7	80.0	-	0.001			
21	1188	9	22	20	65.0	-	0.001			
22	1189	9	18	12	90.0	-	0.001			
23	1190	4	11	7	20.0	-	<0.001			
24	1191	7	11	7	35.0	-	0.001			
25	1192	7	15	11	18.0	-	0.003			

Results in ppm unless otherwise specified
 T = element present, but concentration too low to measure
 X = element concentration is below detection limit
 -- = element not determined

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A.C.N. 004 591 664

ANALYTICAL DATA

SAMPLE PREFIX REPORT No. REPORT DATE CLIENT ORDER No. PAGE

109555.60.09898 18/01/94 PX 0469 4 OF 5

SBE No.	SAMPLE No.	Cu	Pb	Zn	As	As	Au			
1	1193	6	10	10	5.5	-	0.001			
2	1194	4	8	6	10.5	-	<0.001			
3	1195	5	5	5	11.0	-	<0.001			
4	1196	4	4	4	11.5	-	0.001			
5	1197	6	6	10	11.0	-	0.001			
6	1198	6	10	10	28.0	-	0.001			
7	1199	10	10	10	82.0	-	0.003			
8	1200	15	13	22	100.0	-	0.001			
9	1253	18	4	43	39.0	-	0.001			
10	1254	34	10	72	42.0	-	0.005			
11	1255	12	<3	49	46.0	-	0.001			
12	1256	16	<3	43	34.0	-	<0.001			
13	1257	28	<3	56	30.5	-	0.001			
14	1258	12	11	68	26.5	-	<0.001			
15	1259	8	22	56	25.5	-	0.001			
16	1260	3	17	43	11.0	-	<0.001			
17	1261	7	12	49	24.0	-	<0.001			
18	1262	7	17	52	32.0	-	<0.001			
19	1263	6	18	65	14.0	-	<0.001			
20	1264	7	13	67	9.5	-	0.001			
21	1265	9	14	51	14.5	-	<0.001			
22	1266	9	17	41	12.0	-	<0.001			
23	1267	9	15	55	25.5	-	<0.001			
24	1268	12	17	78	55.5	-	0.001			
25	1301	19	13	32	65.0	-	0.001			

Results in ppm unless otherwise specified
 T = element present; but concentration too low to measure
 X = element concentration is below detection limit
 -- = element not determined

AUTHORISED OFFICER

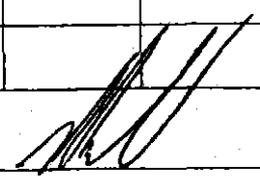
ANALYTICAL DATA

SAMPLE PREFIX REPORT No. REPORT DATE CLIENT ORDER No. PAGE

109555.60.09898 18/01/94 PX 0469 5 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	As	As	Au			
1	1302	16	10	29	36.5	-	0.001			
2	1303	13	9	21	9.0	-	0.001			
3	1304	20	10	34	7.5	-	<0.001			
4	1305	37	19	40	42.0	-	0.001			
5	1306	35	22	57	57.0	-	0.001			
6										
7										
8										
9										
10										
11										
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13										
14										
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16										
17										
18										
19										
20										
21										
22										
23	DETECTION	2	3	2	0.5	50	0.001			
24	UNITS	ppm	ppm	ppm	ppm	ppm	ppm			
25	METHOD	GA140	GA140	GA140	HA140	GA140	GG336			

Results in ppm unless otherwise specified
 T = element present, but concentration too low to measure
 X = element concentration is below detection limit
 -- = element not determined

AUTHORISED OFFICER 



ANALABS

A Division of Incharge Testing Services (Australia) Pty. Ltd.
A.C.N. 004 591 664

857025

Phone (004) 318857

14 Thirkell St. ODEE TAS 7320

Fax (004) 318890

ANALYTICAL REPORT No.

109575120.10070

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

INVOICE TO:

Mining Project Investors Pty Ltd
P.O. Box 749
WEST PERTH WA 6005

ORDER No.

PROJECT

PX 0471

EL 12/93

DATE RECEIVED

RESULTS REQUIRED

08/03/94

ASAP

No. OF PAGES
OF RESULTS

DATE
REPORTED

No.
OF COPIES

TOTAL No.
OF SAMPLES

1

15/03/94

1

4

SAMPLE NUMBERS

SAMPLE DESCRIPTION

ELEMENT/METHOD

1501/1504

RD Prep : SF033

Ag, Au (R)/66309

Ag/66140

Ag/66104

RESULTS
TO

Mr Roger Pollock
Roger Pollock Geological Pty Ltd
C/- Post Office
WILMST TAS 7310

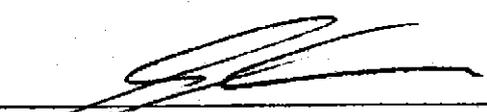
RESULTS
TO

Geological Clerk
Mining Project Investors Pty Ltd
P.O. Box 749
WEST PERTH WA 6005

RESULTS
TO

[Empty box for results recipient]

REMARKS


AUTHORISED OFFICER

ANALYTICAL DATA

SAMPLE PREFIX

REPORT No.

REPORT DATE

CLIENT ORDER No.

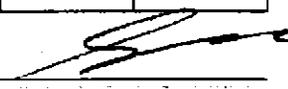
PAGE

		109555.60.10070				18/03/94		PX 0471		1 OF 1	
	SAMPLE No.	Au	Au(R)	As	As						
METHOD		GG309	GG309	GA140	GA104						
1	1501	22.300	-	>10000	6.56						
2	1502	9.890	-	>10000	7.20						
3	1503	21.500	-	>10000	3.92						
4	1504	7.830	7.850	>10000	3.07						
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24	DETECTION	0.008	0.008	50	0.01						
25	UNITS	ppm	ppm	ppm	%						

 Results in ppm unless otherwise specified
 element not determined

 IS = insufficient sample
 SNR = sample not received

 AUTHORISED
 OFFICER



857027

APPENDIX 2.

SAMPLE RECORD AND ANALYTICAL DATA SHEETS

ROGER POLTOCK GEOLOGICAL PTY. LTD.

CLIENT MPI

SAMPLE RECORD AND ANALYTICAL DATA SHEET

COLLECTED BY: RP

PROJECT EL 12/93 SCAMANDER RIVER

LABORATORY ANALYSIS

DATE DISPATCHED:

PROSPECT GOLDEN RIDGE / TRAFALGAR / QUEEN OF EARTH ^{SAMPLE TYPE} Rock

DATE RECEIVED:

A 28325

SAMPLE NUMBER	LOCATION		DESCRIPTION	ANALYSES		ppm	ppm
				AU	AS	AU	AS
0980	BRILLIANT	STORE	Channel sample 5m from portal south wall	0-1m		1.07	5
0981	"	"	" " " " " " " "	1-2m		0.89	3
0982	"	"	" " " " " " " "	2-3m (floor)		2.28	5
0983	"	"	" " " " " " north wall	0-1m		1.51	3
0984	"	"	" " " " " " " "	1-2m (roof)		1.80	4
0985	"	"	" " 10m " " south wall	0-1m		0.67	2.1
0986	"	"	" " " " " " " "	1-2m		0.89	8
0987	"	"	" " " " " " " "	2-3m (roof)		0.68	9
0988	"	"	" " " " " " north wall	0-1m		0.89	5
0989	"	"	" " " " " " " "	1-2m (roof)		2.02	5
0990	"	"	" " 15m " " south wall	0-1m		1.27	14
0991	"	"	" " " " " " " "	1-2m (roof)		0.60	11
0992	"	"	" " across end drive			0.32	6
0993	"	"	" " " " " " " "			0.34	4
0994	"	"	" " northern cross cut			0.06	2
0995	588 230E	5416 500N	Trafalgar limonitic horizons in road cutting			0.01	45
0996	588 240E	5416 500N	" " " " " " " "			0.02	15
0997	586 950E	5413 450N	Queen of Earth OK limonitic - gty veined siltstone			0.03	35
0999	587 300E	5413 400N	" " " limonitic - sheared sandstone			0.	53
1000	587 080E	5412 950N	" " " " " siltstone			0.01	18

027028

CLIENT MPI

SAMPLE RECORD AND ANALYTICAL DATA SHEET

COLLECTED BY: RP

PROJECT SCAMANDER RIVER EL 12/93

LABORATORY ANALABS

DATE DISPATCHED:

PROSPECT RISKY RIDGE / EVERCRACK / DOUBLE EVENT

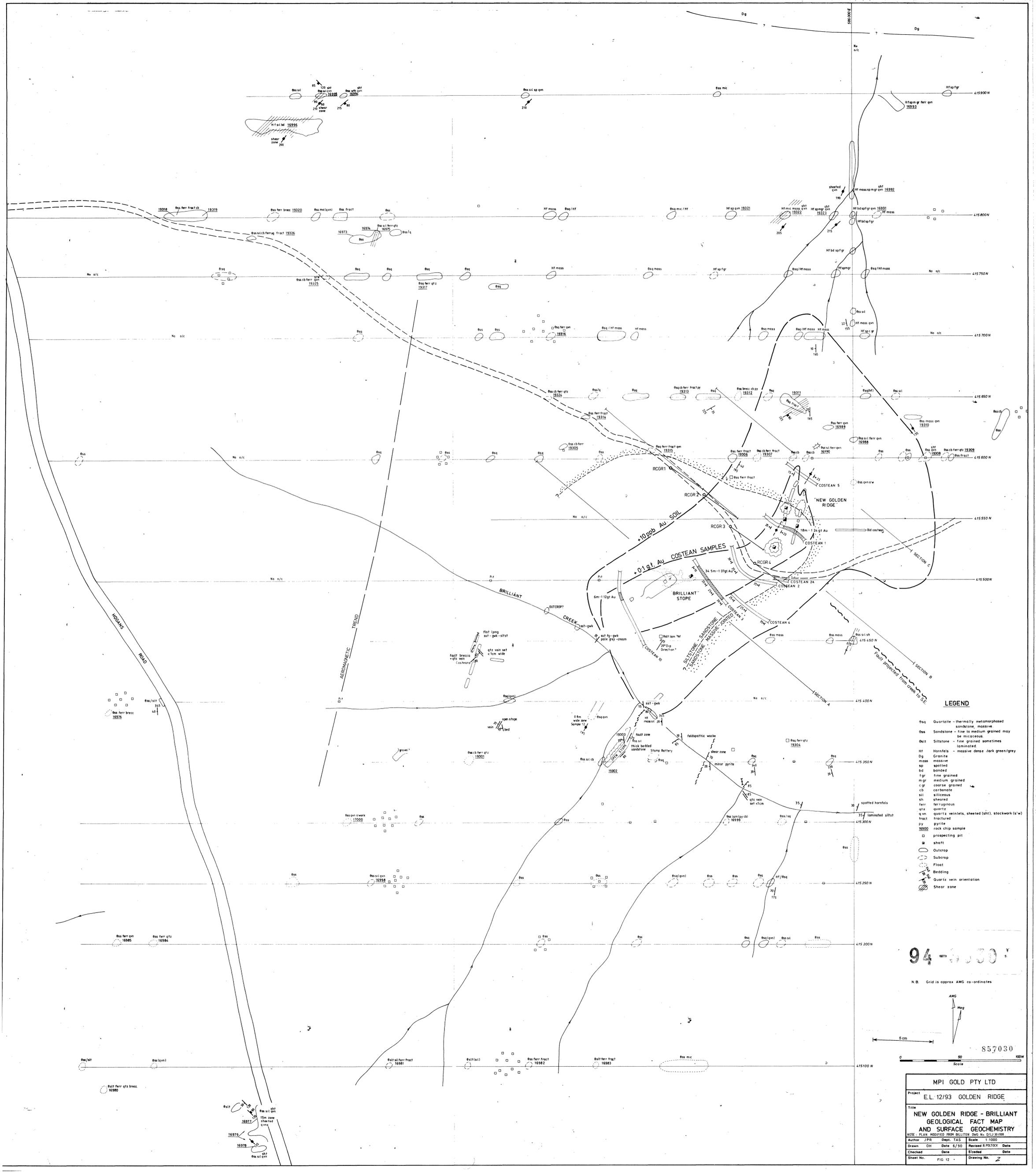
SAMPLE TYPE Rock

DATE RECEIVED:

A 2805

SAMPLE NUMBER	LOCATION		DESCRIPTION	ANALYSES						
								ppm Au	ppm As	
1102	S86 940E	S419 450N	Risky Ridge altered diorite						<.005	4
1103	S81 950E	S417 000N	Evercrack qtz veins						0.61	320
1104	S78 700E	S407 650N	Mathinna - Fingal Rd carbonate rich sst - sstst						0.01	20
1105	"	"	" " qtz lim veins						<.005	15
1106	S81 220E	S416 600N	Evercrack qtz vein float						0.02	8
1501	S87 900E	S417 400N	Double Event. qtz arsenopyrite vein from shaft dump						22.30	6.56%
1502	"	"	" " " " " " pit "						9.89	7.20%
1503	"	"	" " " " " " " "						21.50	3.92%
1504	"	"	" " " " " " " " adit dump						7.83	3.07%

857029

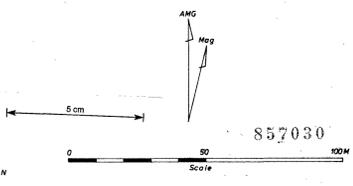


LEGEND

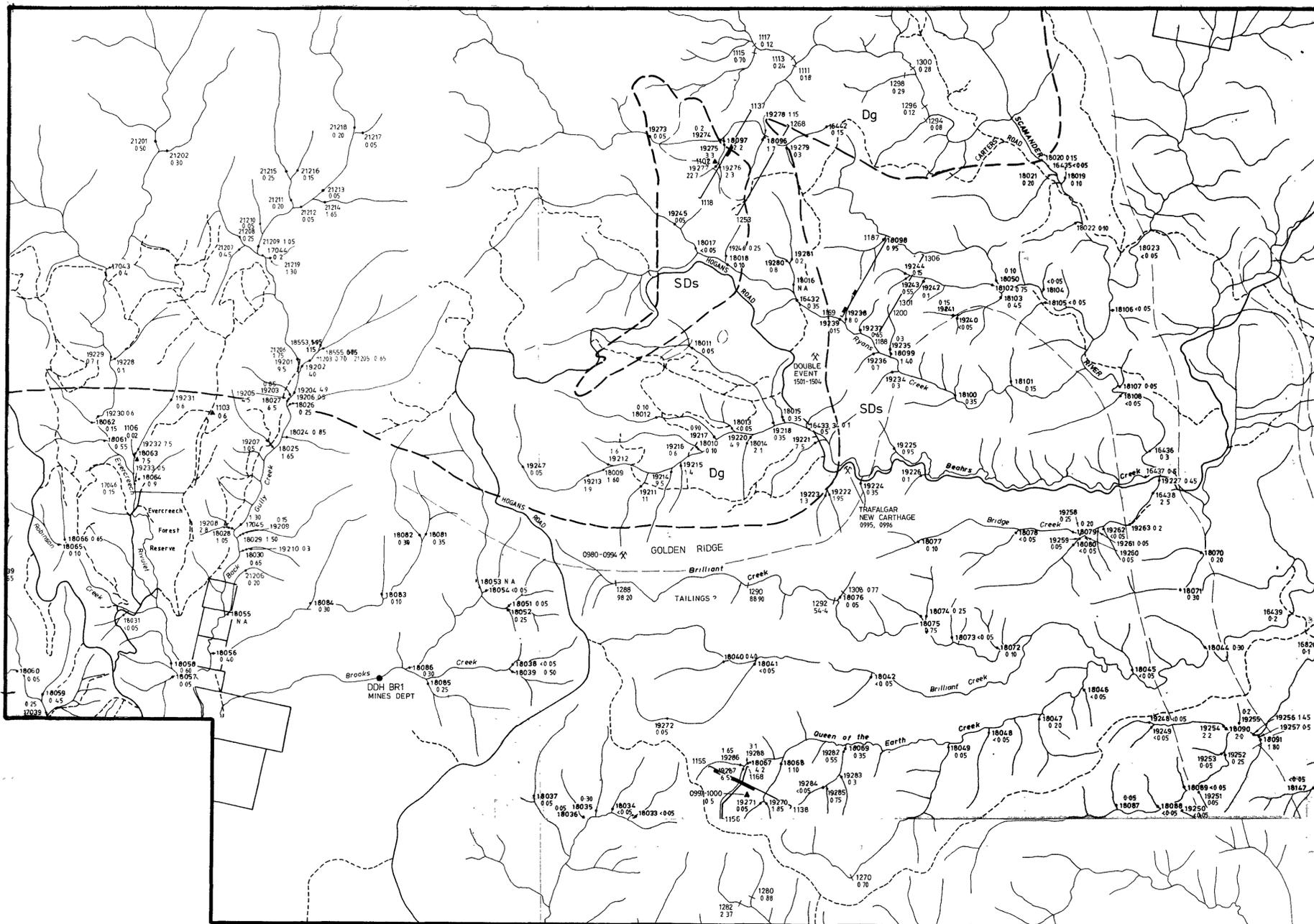
- Qtz Quartzite - thermally metamorphosed sandstone, massive
- Ss Sandstone - fine to medium grained may be micaceous
- Ssll Siltstone - fine grained sometimes laminated
- Hf Hornfels - massive dense dark green/gray
- Dg Granite massive
- sp spotted
- bd banded
- fg fine grained
- mgr medium grained
- cg coarse grained
- cb carbonate
- sh siliceous
- sh sheared
- ferr ferruginous
- qtz quartz
- qvn quartz veinlets, sheeted (sh), stockwork (s'w)
- fract fractured
- pyr pyrite
- 16900 rock chip sample
- prospecting pit
- shaft
- Outcrop
- Subcrop
- Float
- Bedding
- Quartz vein orientation
- Shear zone

94-0030

N.B. Grid is approx AMG co-ordinates



MPI GOLD PTY LTD			
Project: E.L. 12/93 GOLDEN RIDGE			
Title: NEW GOLDEN RIDGE - BRILLIANT GEOLOGICAL FACT MAP AND SURFACE GEOCHEMISTRY			
NOTE: PLAN MODIFIED FROM BILLITON DWG No. 01/11/92/05			
Author: JPR	Dept: TAS	Scale: 1:1000	
Drawn: DH	Date: 6/90	Revised: R.POLLOCK	Date:
Checked: Date:	Revised: Date:	S coded: Date:	
Sheet No: FIG 12	Drawing No: 2		



94-3339

- SDs Situro-Devonian Mathinna Beds
- Dg Devonian Blue Tier Batholith

- BLEG STREAM SAMPLE (MPI)
- BLEG STREAM SAMPLE (BILLITON)

- ▲ ROCK SAMPLE
- SOIL TRAVERSE

857031
5 cm

MPI GOLD PTY. LTD.			
EL.12/93 GOLDEN RIDGE			
BLEG STREAM SEDIMENT			
-80# SOILS AND ROCK CHIPS			
SAMPLE LOCATIONS AND ASSAY RESULTS			
NOTE PLAN MODIFIED FROM BILLITON DWG No. D/LJ 30/07, 1990			
AUTHOR R POLTOCK	OFFICE TAS	DATE	DRAWING No
DRAWN O HEDDITCH	DATE MAR 94		
REVISED	DATE		5
SCALE 1:25000			

5420 000 N

5420000 N

5415000 N

5415000 N

5410 000 N

586 000 E

586 000 E

580 000 E

Dept of Mines
BROOKS CREEK DDH.
583600E 5414400N.
SCALE 1:1000

SUMMARY LOG
R Pollock 2/9/93.

957032

94-3039

