Compass Resources NL
A.C.N. 010 536 820

EL 4880, RUM JUNGLE
SECOND ANNUAL REPORT TO THE NORTHERN TERRITORY DEPARTMENT OF MINES & ENERGY FOR THE YEAR ENDED 30 OCTOBER, 1991

M. K. Boots

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TABLE OF CONTENTS

ABSTRACT

This Exploration Licence has potential for uranium and base metals. The main area of interest for base metal exploration is in the immediate vicinity of the previous mines at Rum Jungle. Drilling during the last year has confirmed the presence of base metal sulphides at depth in the embayment.

LOCATION AND ACCESS

Exploration Licence 4880 covers an area of approximately 48 square kilometres and is located on the Noonamah, Bynoe, Batchelor and Reynolds River 1:100,000 sheets, (Figure 1). It is centred approximately 5 kilometres north of the township of Batchelor, with sealed road access from Darwin.

The existing Rum Jungle Mines (Intermediate, White's, Dyson's) are now located within a "Restricted Use Area" administered by the Conservation Commission of the Northern Territory and access to this area is controlled by the Commission.

TENEMENT DETAILS

Application for this area was made on 1 October, 1985. Exploration Licence 4880 was granted on 31 October 1989 to the Central Electricity Generating Board Exploration (Australia) Pty. Ltd for a period of six years. It covered 21 blocks and totaled 48 square kilometres. Existing leases held by CRA cover the Brown's deposit and are excised from the Exploration Licence.

Compass Resources NL is operator of a joint venture covering this and adjoining exploration licences.

GEOLOGICAL SETTING

The term "Embayment" appears to have been applied by Territory Enterprises Pty. Ltd and the BMR to describe the structure hosting a line of mineralisation extending from Brown's through Intermediate, White's and on to the Dyson's deposit. The structure of this zone

suggests a tight south-westerly plunging syncline with the known mineralisation occurring on the north-western limb.

Within this Exploration Licence rock types include Archaean granitic basement and metasediments of Lower Proterozoic age. The Lower Proterozoic Sediments belong to the Mt. Partridge Group which are reported to unconformably lie on the granitic basement. The oldest of these sediments belong to the Crater Formation which is most commonly present as deformed grits, arkoses and conglomerates.

Conformably overlying the Crater Formation is a major carbonate sequence known as the Coomalie Dolomite. This unit contains dolomites, stromatolitic dolomite, tremolite dolomite and magnesite as the major rock types. Several periods of kastification, silicification and haematitation have resulted in the formation of many collapse zones within the dolomite. These zones are often referred to as "Haematite Quartz Breccias" with a variety of origins being proposed.

Overlying (and interfingering with) the Coomalie Dolomite is the Whites Formation; a sequence of pyritic carbonaceous dololutites and argillites. Minor dolerites and calcareous amphibolites are also present. It is within the lower parts of this sequence that the stratabound and stratiform base metal sulphides occur.

Overlying the Whites Formation are sediments belonging to the "Wildman Siltstone" which is predominantly shale and argillites. In the embayment area a pyritic carbonaceous orthoquartzite belonging to the "Acacia Gap Quartzite Member" is the main outcropping rock assigned to the Wildman Siltstone.

Intense deformation (up to 4 generations of folding have been reported) and upper greenschist facies of regional metamorphism together with complex faulting and shearing have resulted in a complex pattern of rock type distribution.

The major fault in the area - the Giants Reef Fault limits the southern and south-eastern outcrop pattern of the Lower Proterozoic sequence.

PREVIOUS EXPLORATION

During the 1880s small scale workings in secondary copper ores of the Intermediate deposit were developed.

In 1907, part of the Brown's Deposit was operated as a copper mine by V.V. Brown. Following the discovery, in November 1949 of Uranium mineralisation (torbernite) in the embayment area by prospector J.M. (Jack) White, exploration in the embayment was carried out by the Bureau of Mineral Resources since 1950 and since 1953 by Territory Enterprises Pty. Ltd (TEP).

By the end of 1958 the copper, lead, uranium orebody at White's had been mined as had the uranium deposit at Dyson's. The Brown's base metal occurrence was extensively drilled in the period 1956-58. In 1966 AM & S commenced a vertical shaft at the Brown's Prospect to allow access and bulk testing of the base metal mineralisation.

The Intermediate deposit was extensively drilled in 1963 and 1964 by AM & S, and the oxidised portions and part of the sulphide portion of the Intermediate deposit were mined and heap leached or floated in the period 1964-1965.

CRA undertook additional drill programmes in 1966, 1967, 1970, 1971, 1977 and 1978.

Uranerz undertook exploration in the area in the period 1980-1984, involving RAB, percussion and diamond drilling. They concentrated on Uranium exploration in an area between White's and Dyson's mine that they named the White's east prospect.

This work included 536 RAB holes, 13 percussion holes and 18 precollared diamond drill holes. Significant uranium mineralisation was intersected in drill holes WE81/04, WE81/07, WE82/10, WE82/12, WE82/18 and WE82/19.

BASE METAL MINERALISATION

The base metal mineralisation is hosted in graphitic dolomitic shales of the lower portions of the Whites Formation, and is generally considered to be syngenetic in nature. Later deformation and brecciation have caused some redistribution of the sulphides and recrystallisation.

Metal zoning of copper, lead, cobalt and uranium has been documented in technical papers on the Rum Jungle area, in particular by Fraser 1975.

The actual depth limits of the base metal mineralisation has not been fully defined and potential exists to significantly increase the known tonnages of copper, cobalt and lead ores. It is also possible that mineralisation could continue into the keel of the syncline and also into the southern limb of the syncline.

The geology of the area, together with drill hole location data (Figure 2), was compiled from a variety of sources including BMR record 1967/150, Uranerz reports and reports by CRA and its associates. Modifications have been made using previous RAB data as outcrop is too poor to allow mapping of the area.

WORK COMPLETED DURING THE SECOND YEAR

In early 1991, Compass Resources took delivery of the Rum Jungle exploration and mining data from the Library of Uranerz. This contained many original plans, sections and drill logs previously unobtainable. This data was used to correct and modify Figure 2 and to aid the planning of a drill hole in the vicinity of White's mine.

Diamond Drilling

It was planned to drill a diamond drill hole under the western edge of the White's open cut to establish whether the base metal mineralisation continued between drill holes 323, 920 to the east and holes 318, 320 and 321 to the west (for completeness logs of these holes are included in the appendix). These existing holes had

intersected significant base metal mineralisation near the base of the Whites Formation.

Drill hole EMB 1 was collared at 29330 N, 31440 E (mine grid) with a declination of 70° and azimuth of 338° mag. Steepening occurred in the top 65 metres of the hole resulting in the intersection of Whites Formation rocks at a depth of 292.6 metres. Unfortunately difficult drill conditions resulted in this hole being abandoned at 321.3 metres whilst still short of the target zone.

Hole EMB 2 was collared 18 metres (60') west of the abandoned hole and declined at 65° to compensate for steepening in the precollar. this hole entered Whites Formation rocks at 226 metres and was terminated at 315 metres in footwall Coomalie Dolomite. Assay results were below expectation, however this hole did establish that mineralisation appears to be continuous along strike, but varies in grade. Complex shearing and/or faulting would appear to even further complicate interpretation of results at depth.

PLANS

Compilation of the joint completed drilling results will be undertaken with interpretation of the base metal potential in the area below the Whites open cut.

During the 1992 field season it appears that additional drilling will be required to the west of the area drill this year.

Planned expenditure for the next 12 month period is $75,000.

EL 4880
EXPENDITURE STATEMENT
FOR THE YEAR ENDED 30 OCTOBER, 1991

	$
Salaries, wages, on costs	14,646.33
Travel & accommodation	1,678.00
Geological services	3,750.00
Land Services	397.44
Field costs	1,227.94
Assay Costs	2,243.48
Drilling/Site preparation	29,954.90
Motor vehicle costs	2,125.08
Photography, maps, etc	1,131.25
Overheads	8,573.16
Total	65,727.56
Expenses to be accrued (est)	5,000.00
	$70,727.56

APPENDIX 1

EL 4880 Hole No EMB 1
Co-ordinates: 29320 N 31440 E
Declination 70° Azimuth 338° mag.
Started 9.9.1991 Finished 26.9.1991
Total depth 321.30 m (Abandoned)

Interval			Description
0	-	12.0	Red clayey soil and weathered dolomite
12.0	-	63.3	Light pink dolomite
	End of precollar		
63.3	-	80.0	Pink white dolomite, minor brecciation
80.0	-	91.0	White dolomite
91.0	-	95.5	Fine brecciated dolomite, haematitic sandy filling
95.5	-	120.0	Coarse dolomitic breccias, haematitic sandy filling
120.0	-	145.0	White to light pink styolitic dolomite, some brecciation
145.0	-	146.5	Fine slightly haematitic brecciated dolomite
145.6	-	152.6	Coarse brecciated dolomite slightly haematitic filling
152.6	-	156.0	Light pink - white dolomite
156.0	-	162.0	Coarse brecciated dolomite, slightly haematitic filling
162.0	-	167.5	White to light pink dolomite
167.5	-	173.3	Brecciated dolomite, slightly haematitic filling
173.3	-	175.5	White dolomite
175.5	-	182.0	Coarse breccia in dolomite
182.0	-	190.6	White dolomite, minor brecciation
190.6	-	191.5	Haematitic sands
191.5	-	197.0	Slightly haematitic sand as breccia matrix
197.0	-	210.0	Medium coarse breccia with haematitic sand filling matrix
210.0	-	231.5	White dolomite, minor brecciation and styolites
231.5	-	233.5	Haematitic chlorite breccia
233.5	-	244.7	Pale pink to white dolomite
244.7	-	246.0	Haematitic chloritic breccia
246.0	-	280.7	White dolomite, minor styolites
280.7	-	283.0	Silicified tremolitic dolomite, brecciated in part
283.0	-	284.0	Silicified dolomite with narrow contorted graphitic shear zone, 30° to core axis
284.0	-	289.0	Faintly haematitic dolomite breccia with some white carbonate filling hydrolic fractures
289.0	-	292.6	Silicified tremolitic dolomite breccia with minor haematitic and red mica filling
292.6	-	297.3	Strongly sheared graphitic chloritic schist with locally well developed pyrite, coarsely recrystallised. θ = 45°
297.3	-	308.0	White silicified tremolitic dolomite, brecciated in part.
308.0	-	321.3	Strongly brecciated graphitic chloritic schist pyritic in places. Foliation 10-30°. chalcopyrite at 314m, 318m. Hole abandoned.

Surveys

65m	73.5°	344°
101m	73.5°	347°
151m	73.25°	349°
222m	74.00°	351°

EL 4880 Hole No EMB 1
Co-ordinates: 29320N 31440E
Declination 70° Azimuth 338° mag.
Started 9.9.1991 Finished 26.9.1991
Total depth 321.30 m abandoned

Sample	Interval (m)			Cu	Pb	Zn	Ag	Co	Ni
26346	293	-	294	24	98	114	0.7	66	134
26347	294	-	295	20	59	67	<0.5	41	101
26348	295	-	296	30	78	70	<0.5	45	127
26349	296	-	297	30	84	92	0.5	41	93
26350	304	-	305	765	56	44	<0.5	566	640
26351	305	-	306	1050	52	37	0.7	299	371
26352	306	-	307	1810	56	35	0.8	421	386
26353	307	-	308	3070	29	29	0.8	799	530
26354	308	-	309	1680	40	36	0.7	370	318
26355	309	-	310	4400	35	37	0.8	1014	799
26356	310	-	311	2040	30	31	0.7	825	769
26357	311	-	312	2350	63	34	0.7	1880	1425
26358	312	-	313	3740	78	38	0.6	2060	773
26359	313	-	314	770	54	46	1.0	1310	811
26360	314	-	315	730	44	33	<0.5	763	417
26361	315	-	316	446	41	41	0.6	569	352
26362	316	-	317	4520	60	34	1.2	371	244
26363	317	-	318	2820	40	30	0.9	1320	694
26364	318	-	319	3510	107	39	1.6	2260	1301
26365	319	-	320	1280	65	37	1.5	904	615
26366	320	-	321.3	4180	80	47	2.0	952	700

EL 4880 Hole No EMB 2
Co-ordinates: 29330 N 31380 E Mine Grid
Declination 65° Azimuth 335° mag.
Started 31.9.1991 Finished 19.10.1991 Total depth 315.0 m

Interval			Description
0	-	10.0	Red clayey soil and weathered dolomite
10.0	-	198.4	White and light pink dolomite
End of Precollar			
198.4	-	203.0	White and light pink dolomite, styolites present
203.0	-	208.0	Haematitic staining of brecciated dolomite
208.0	-	221.0	Massive white styolitic dolomite
221.0	-	224.5	White-pink dolomite breccia with white matrix
224.5	-	226.0	White styolitic dolomite
226.0	-	232.0	Brecciated graphitic slate, pyrite balls 228-231m, contact with dolomite 5° to core axis
232.0	-	236.0	More massive but brecciated slate and calcareous slate, pyritic and with large fragments of silicified dolomite
236.0	-	242.0	Contorted pyritic graphitic slate
242.0	-	245.5	Sheared and brecciated pyritic graphitic slate
245.5	-	245.8	Silicified dolomite, thin chalcopyrite veining
245.8	-	247.0	Pyritic graphitic slate, some quartz-carbonate-pyrite veining
247.0	-	248.0	Paler silicified dolomite/dololutite and quartzite
248.0	-	249.7	Graphitic slate, silicified in places
249.7	-	252.5	Paler silicified dolomite-quartzite, pyritic
252.5	-	254.0	Pyritic graphitic slate, some siliceous zones
254.0	-	257.0	Paler silicified dolomite-quartzite with fine pyrite; some pyritic graphitic slate bands, narrow sphalerite vein at 256.8m
257.0	-	258.0	Pyritic partly silicified graphitic slate, Θ=40°
258.0	-	260.5	Partly brecciated banded graphitic-pyritic slate, 5% pyrite, Θ = 15-20°
260.5	-	261.8	Semimassive silicified graphitic dololutite
261.8	-	265.0	Brecciated graphitic pyritic slate
265.0	-	265.6	Microbrecciated sandy graphitic slate
265.6	-	265.9	Sandy graphitic slate
265.9	-	267.0	Contorted banded pyritic graphitic slate
267.0	-	278.5	Mostly massive quartzite, minor pyrite, chlorite and sericite. Trace chalcopyrite in quartz veins
278.5	-	279.0	Graphitic schist with 2-3% pyrite parallel to foliation
279.0	-	279.2	Carbonate filled shear zone minor to 1% galena smeared on foliation, with minor chalcopyrite in carbonate
279.2	-	284.0	Black fissile chloritic-graphitic schist, minor to 1% pyrite along foliation, 40° to core axis. Veins up to 2 cm wide of carbonate containing 1-2% chalcopyrite. Veins 10-15° to core axis, some very fine veins of chalcopyrite parallel to foliation.

EL 4880 Hole No EMB 2 (continued)
Co-ordinates: 29330 N 31380 E Mine Grid
Declination 65° Azimuth 335° mag.
Started 31.9.1991 Finished 19.10.1991 Total depth 315.0 m

Interval			Description
284.0	-	291.0	Black fissile chlorite-quartz-graphitic schist, metamorphosed sandy siltstone, rather than shale. About 5% fine grained pyrite parallel to foliation, 50° to core axis. Strongly developed carbonate + chalcopyrite veining between 285.5-287.0m 10-15° to core axis. Foliation 50° to core axis.
291.0	-	295.0	Very black chlorite-graphitic schist, contains both pyrite parallel to foliation and isolated aggregates forming knots of sulphide 2-5 mm. Pyrite 3-5%, chalcopyrite 1-3%. Pink-brassy sulphide at 292m about 1% possible pentlandite or millerite?, possibly mixed with cobaltite. Some blocks of carbonate (up to 10cm) rolled in the schist.
295.0	-	299.0	Quartz-graphite-chlorite schist, hard metamorphosed sandy siltstone. With small blocks of carbonate carrying ragged aggregates of chalcopyrite in the schist. Up to 10% chalcopyrite over 10cm at 297m parallel to foliation, with fine chalcopyrite filled fractures over the rest of the core, averaging 1-2%.
299.0	-	302.8	Fissile black sheared graphitic chloritic schist, contained 1-2% chalcopyrite along foliation at 60-70° to core axis as well as in factures 20° to core axis. Carbonate fragments becoming more common in the core. Some very fine galena veins from 300m, 20° to core axis, galena in excess of 1% with chalcopyrite up to 1% from 301m.
302.8	-	315.0	Coomalie Dolomite, contact between graphitic schist, carbonate sharp at 65° to core axis, parallel to foliation & composition changes in the schist and dolomite.

END OF HOLE

Surveys

Depth m	Dec	Az
50	68.8°	-
80	70.25°	-
100	70.75°	-
130	70.90°	-
160	70.3°	-
198	71.0°	341°

EL 4880 Hole No EMB

Co-ordinates: 29330 N 31380 E Mine Grid

Declination 65° Azimuth 335° mag.

Started 3.10.1991 Finished 19.10.1991 Total depth 315.0 m

Sample	Interval (m)		Cu	Pb	Zn	Ag	Co	Ni	Ti	Zr	Mo	U
26405	229.5 -	229.75	25	108	36	1.1	21	102				
26402	233.5 -	233.7	66	85	48	1.6	18	13				
26403	234.8 -	235.0	20	82	43	1.1	35	85				
26404	237.4 -	237.5	36	58	72	1.0	34	100				
26406	241.6 -	241.7	30	140	34	1.5	55	140				
26407	246.15-	246.25	18	42	15	1.4	20	75				
26408	247.65-	247.85	22	50	10	1.5	251	68				
26409	252.4 -	252.6	81	98	40	1.8	165	217				
26410	256.8 -	257.0	338	191	358	3.2	375	500				
26411	259.3 -	259.7	200	476	20	4.5	140	195				
26412	264.3 -	264.5	65	327	35	4.3	135	195				
26389	278.5 -	279.0	138	1065	35	9.2	150	252				
26390	279.0 -	280.0	147	2880	151	4.9	85	234				
26391	280.0 -	281.0	54	890	64	3.3	30	80				
26392	281.0 -	282.0	3320	734	41	8.2	745	862				
26393	282.0 -	283.0	2.30%	592	34	21.2	280	896	3950	150	30	500
26394	283.0 -	284.0	1.05%	614	40	16.5	112	425	4050	170	45	640
26395	284.0 -	285.0	5000	400	33	11.5	105	330				
26396	285.0 -	286.0	4810	616	35	10.2	96	465				
26397	286.0 -	287.0	7400	4300	421	27.6	225	695				
26398	287.0 -	288.0	3500	600	40	10.9	80	250				
26399	288.0 -	289.0	5160	970	202	13.4	102	283				
26400	289.0 -	290.0	4870	480	30	13.5	75	202				
26401	290.0 -	291.0	5720	2330	30	22.3	190	587				
26368	291.0 -	291.5	7010	2910	33	19.0	155	490				
26369	291.5 -	292.0	1.06%	6960	117	30.0	1360	1550				
26370	292.0 -	292.5	8380	1069	150	23.0	4870	5450				
26371	292.5 -	293.0	4660	356	178	12.0	3140	3200				
26372	293.0 -	293.5	8370	298	147	12.0	3040	3220				
26373	293.5 -	294.0	1.00%	544	46	12.0	860	930				
26374	294.0 -	294.5	399	160	38	10.0	780	785				
26375	294.5 -	295.0	4210	126	52	8.0	320	365				
26376	295.0 -	295.5	1.14%	180	36	16.0	1480	1590				
26377	295.5 -	296.0	6390	232	27	11.0	1740	1740				
26378	296.0 -	296.5	2.18%	171	20	13.0	1770	1600				

EL 4880 Hole No EMB (continued)
Co-ordinates: 29330 N 31380 E Mine Grid
Declination 65° Azimuth 335° mag.
Started 3.10.1991 Finished 19.10.1991 Total depth 315.0 m

Sample	Interval (m)	Cu	Pb	Zn	Ag	Co	Ni	Ti	Zr	Mo	U
26379	296.5 - 297.0	2.00%	305	24	14.0	286	425				
26380	297.0 - 297.5	2.25%	112	17	14.0	272	330				
26381	297.5 - 298.0	1.78%	211	17	8.0	70	105				
26382	298.0 - 298.5	2.00%	360	16	10.0	66	150				
26383	298.5 - 299.0	2.37%	1230	21	13.0	86	195				
26384	299.0 - 299.5	2.61%	2530	24	18.0	149	280				
26385	299.5 - 300.0	2490	8.37%	5100	22.2	1310	1700	2900	660	<3	30
26386	300.0 - 301.0	6640	3.31%	4440	14.0	390	614	3500	300	20	40
26387	301.0 - 302.0	1.14%	1.58%	4690	20.9	582	852	3850	220	20	130
26388	302.0 - 303.0	1880	5360	756	6.1	90	290				

DRILLING RECORD

EL 4880 Whites HOLE NO. CD104
Mine Grid 29860 N 31250 E Drilled October 1954
RL Collar 311.1 Total Depth 100'

Probing showed ore grade at 37' (11.28m), 44'-46' (13.41-14.02m), 50'-51' (15.24-15.55m)

Assay Record

From	To	From	To	lbs/ton
Ft		m		U3O8
0	5.0	0.00	1.52	0.12
5.0	10.0	1.52	3.05	0.17
10.0	15.0	3.05	4.57	0.1
15.0	20.0	4.57	6.10	0.18
20.0	25.0	6.10	7.62	0.25
25.0	30.0	7.62	9.14	0.14
30.0	35.0	9.14	10.67	0.16
35.0	40.0	10.67	12.19	0.12
40.0	45.0	12.19	13.72	0.27
45.0	50.0	13.72	15.24	0.31
50.0	55.0	15.24	16.76	0.31
55.0	60.0	16.76	18.29	0.61
60.0	65.0	18.29	19.81	0.07
65.0	70.0	19.81	21.34	0.44
70.0	75.0	21.34	22.86	0.29
75.0	80.0	22.86	24.38	0.38
80.0	85.0	24.38	25.91	0.23
85.0	90.0	25.91	27.43	0.16
90.0	95.0	27.43	28.96	0.18
95.0	100.0	28.96	30.48	0.08

DRILLING RECORD

EL 4880 Whites HOLE NO. CD 137
Mine Grid 30185 N 31123 E Completed May 1955
Dec: Vertical RL Collar Total Depth 122'

From	To	From	To	
	Ft	m		
0	80.0	0.00	24.38	30.4.55
80.0	122.0	24.38	37.19	Completed, limestone intersected at 114'. Probing showed low grade ore 20' - 28'

DRILLING RECORD

EL 4880 Whites — HOLE NO. DD 104
Mine Grid 29726.93 N 31339.45 E — Completed August 1953
Dec: 60° Azimuth 336° — Total Depth 346.25' (105.54m)

From Ft	To Ft	From m	To m	
0	40.0	0.00	12.19	No core
40.0	51.75	12.19	15.77	Black slates, sericitic, slightly weathered, hem stringers and veinlets, Pyrite moderate. Θ = 20° at 41', 30° at 47', 45° at 50'
51.75	65.5	15.77	19.96	Very uniform grey carbonaceous slate and phyllites, sericitic in part greenish, moderate pyrite (drag?) reversal of bedding at 60'. = 45°. Θ = 40-45°
65.5	73.5	19.96	22.40	Ditto, graphitic schist with pyrite Θ = 0° at 71' then 20°
73.5	95.5	22.40	29.11	Ditto graphitic schist & slate generally very broken especially 83-92'. Highly contorted graphitic schist, pyrite moder. Θ = 20° at 78', 90° at 81', 30° at 92.5'. Vugh with quartz crystals 93'
95.5	102.0	29.11	31.09	Ditto Θ = 20-30°
102.0	103.2	31.09	31.46	Ditto
103.2	113.0	31.46	34.44	Θ steepening to 50°
113.0	115.0	34.44	35.05	Very broken, Θ flat, 0°-10° generally.
115.0	130.0	35.05	39.62	Ditto
130.0	132.0	39.62	40.23	No core
132.0	136.0	40.23	41.45	No core
136.0	155.2	41.45	47.31	Pyrite abundant, some quartz veins
155.2	166.0	47.31	50.60	Graphitic schist with abundant pyrite, Θ generally flat, brecciated in part
166.0	180.25	50.60	54.94	Ditto, becoming very sandy, silicified, poorly bedded Θ flat, 20-30°
180.25	200.0	54.94	60.96	Ditto. Fine quality silky black slates, some white streaks, non carbonaceous, green mica on fractures. Minor pyrite, chalcopyrite.
200.0	221.0	60.96	67.36	Black slates, silicified 203.5'-204' and 207', Θ = 30° steepening to 80° at 211 (reversal?) then flattening to 20°
221.0	232.75	67.36	70.94	Black slates, carbonaceous, heavily pyritic in bands. Θ = 70-80°, chalcopyrite?
232.75	239.25	70.94	72.92	Highly pyritic black slates, some quartz, chalcopyrite? brecciated, Θ = 60° average
239.25	240.5	72.92	73.31	No core
240.5	244.0	73.31	74.37	Quartz and graphitic schist fragments

DRILLING RECORD

EL 4880 Whites HOLE NO. DD 104 (continued)
Mine Grid 29726.93 N 31339.45 E Completed August 1953
Dec: 60° Azimuth 336° Total Depth 346.25' (105.54m)

From (Ft)	To (Ft)	From (m)	To (m)	
244.0	247.0	74.37	75.29	Graphitic schist, very abundant pyrite, Θ = 40° up to 40c/s, localised.
247.0	256.5	75.29	78.18	Ditto, some quartz brecciated, pyrite throughout Θ = 20° at 248', 60°at 255', 20°
256.5	261.0	78.18	79.55	Graphitic schist, moderate pyrite Θ = 10-20°
261.0	266.2	79.55	81.14	No core
266.2	266.75	81.14	81.31	4" quartz, 4" graphitic schist with quartz fragments, brecciated veins, slight counts
266.75	270.0	81.31	82.30	Graphitic schist, very broken Θ = 60-70°
270.0	275.0	82.30	83.82	Graphitic schist & quartz, very heavy pyrite, chalcopyrite 8" quartz at 272.3'
275.0	277.0	83.82	84.43	No core
277.0	280.0	84.43	85.35	Graphitic schist & moderate pyrite, Θ indefinite
280.0	286.0	85.35	87.17	Pyritic graphitic schist Θ = 70°, reversal at 283', plunge at 70° to axis of core. Quartz for 4" at start
286.0	288.75	87.17	88.01	Black slate with abundant intercalated sugary limestone (off white), leached in part, slates partly kaolinised.
288.75	290.25	88.01	88.47	Black slates with very coarse pyrite veins. Θ = 70°
290.25	291.75	88.47	88.93	Black slate with limey intercalations, abundant pyrite, chalcopyrite
291.75	292.5	88.93	89.16	Impure grey limestone, parts mottled calcite veins in black slate? Pyrite minor, Θ = 40°
292.5	297.25	89.16	90.60	Grey green marble with grey slatey bands, Θ around 60°-45°. Actinolite? asbestiform, very minor pyrite, isolated crystals
297.25	306.75	90.60	93.50	Well bedded grey marble, Θ = 50°, some greenish bands, pyrite becoming more common (very minor) in single crystals, cubic, some chalcopyrite
306.75	309.0	93.50	94.18	Ditto, Θ = 40°, crumpled calcite veins?
309.0	313.0	94.18	95.40	Limey black slate, high sulphides, pyrite, chalcopyrite, Θ = 45°
313.0	318.0	95.40	96.93	Grey marble, well bedded, with coarse grained quartz and silicified marble, abundant pyrite, some pink haematite (?) also

DRILLING RECORD

EL 4880 Whites HOLE NO. DD 104 (continued)
Mine Grid 29726.93 N 31339.45 E Completed August 1953
Dec: 60° Azimuth 336° Total Depth 346.25' (105.54m)

From Ft	To Ft	From m	To m	
318.0	327.5	96.93	99.82	Coarse grained grey to white marble, Θ flattening and reversing around 322.5', fine brecciated bands in dark grey slate fragments? tuffaceous? 318-324', minor pyrite chalcopyrite, pyrite becomes moderate towards end in long aggregates, fine grains
327.5	337.0	99.82	102.72	White & grey marble, well bedded Θ at 328' 70°, at 331' = 30°, then 60°. Moderate sulphides, pyrite chalcopyrite 328.25'-330'.
337.0	346.25	102.72	105.54	Grey white marble uniformly bedded 50-60° minor pyrite.

Assay Record

From Ft	To Ft	From m	To m	lbs/ton U3O8	% Cu	% Pb	% Co
40.0	42.5	12.19	12.95	0.07			Nil
42.5	44.0	12.95	13.41	0.08			"
44.0	47.0	13.41	14.33	0.15			"
47.0	51.8	14.33	15.79	0.14			"
51.8	56.5	15.79	17.22	0.07			"
56.5	61.0	17.22	18.59	0.15			"
61.0	65.0	18.59	19.81	0.08			"
65.0	69.0	19.81	21.03	0.07			"
69.0	73.5	21.03	22.40	0.08			"
73.5	77.0	22.40	23.47	0.19			0.12
77.0	80.0	23.47	24.38	0.29			0.08
80.0	83.8	24.38	25.54	0.02			Nil
83.8	86.8	25.54	26.46	0.17			0.02
86.8	91.5	26.46	27.89	0.08			0.03
91.5	95.5	27.89	29.11	0.06			Nil
95.5	97.5	29.11	29.72	0.17			"
97.5	100.0	29.72	30.48	0.12			Tr
100.0	104.8	30.48	31.94	0.06			Nil
104.8	107.0	31.94	32.61	0.06			"
107.0	110.0	32.61	33.53	0.12			Tr
110.0	113.0	33.53	34.44	0.07			0.02
113.0	115.0	34.44	35.05	0.07			0.03
115.0	117.0	35.05	35.66	0.12			Tr
117.0	119.5	35.66	36.42	0.10			"
119.5	122.5	36.42	37.34	0.08			0.02
122.5	125.5	37.34	38.25				0.03
125.5	130.0	38.25	39.62	0.08			0.08
130.0	135.5	39.62	41.30	0.17			Tr
135.5	136.5	41.30	41.61	0.15			0.06
136.5	141.0	41.61	42.98	0.12			0.04
141.0	144.9	42.98	44.17	0.08			0.06
144.9	148.1	44.17	45.14	0.08			0.02
148.1	149.5	45.14	45.57	0.07			0.06
149.5	152.5	45.57	46.48	0.12			0.04
152.5	155.2	46.48	47.31	0.06			0.02

DRILLING RECORD

EL 4880 Whites HOLE NO. DD 104 (continued)

Mine Grid 29726.93 N 31339.45 E Completed August 1953

Dec: 60° Azimuth 336° Total Depth 346.25' (105.54m)

From Ft	To	From m	To	lbs/ton U3O8	% Cu	% Pb	% Co
155.2	158.3	47.31	48.25	0.17			Nil
158.3	160.8	48.25	49.01	0.14			0.01
160.8	163.0	49.01	49.68	0.12			0.06
163.0	166.0	49.68	50.60	0.1			0.02
166.0	168.3	50.60	51.30	0.16			0.04
168.3	173.5	51.30	52.88	0.14			0.04
173.5	178.0	52.88	54.26	0.14			0.05
178.0	180.3	54.26	54.96	0.1			Tr
180.3	184.8	54.96	56.33	0.06			0.05
184.8	189.0	56.33	57.61	0.17			0.02
189.0	191.3	57.61	58.31	0.16			0.05
191.3	197.4	58.31	60.17	0.08			0.02
197.4	200.0	60.17	60.96	0.08			Nil
200.0	203.0	60.96	61.88	0.06			Tr
203.0	204.8	61.88	62.42	0.16			"
204.8	207.8	62.42	63.34	0.14			"
207.8	212.0	63.34	64.62	0.10			"
212.0	215.8	64.62	65.78	0.06			0.01
215.8	219.5	65.78	66.90	0.06			0.03
219.5	220.5	66.90	67.21	Nil	>0.05		0.04
220.5	222.5	67.21	67.82	0.06			0.03
222.5	227.5	67.82	69.34	0.1	0.1		0.11
227.5	232.5	69.34	70.87	0.3	>0.05		0.04
232.5	236.2	70.87	71.99	0.1	>0.05		0.03
236.2	239.2	71.99	72.91	0.2	0.1		0.11
239.2	244.0	72.91	74.37	0.58			0.03
244.0	247.0	74.37	75.29	0.6 (0.6)	>0.05		0.08
247.0	250.0	75.29	76.20	0.2 (0.1)	>0.05		0.28
250.0	251.2	76.20	76.57	0.3 (0.1)	0.3		0.12
251.2	253.8	76.57	77.36	0.3 (0.2)	0.1	Nil	0.28
253.8	256.0	77.36	78.03	0.2 (0.2)	0.3	0.2	0.10
256.0	256.5	78.03	78.18	0.1 (0.1)	0.1	Tr	0.04
256.5	259.5	78.18	79.10		1.7	0.1	0.15
		0.00	0.00				(0.16)
259.5	261.7	79.10	79.77		0.1	0.2	0.16
261.7	266.2	79.77	81.14		0.1	Nil	0.07
266.2	266.8	81.14	81.32		0.05	"	0.12
266.8	270.0	81.32	82.30	0.3 (0.2)	0.1		0.11
270.0	272.0	82.30	82.91	0.2 (0.1)	>0.05		0.02
272.0	275.0	82.91	83.82	0.1	0.2		0.08
275.0	277.0	83.82	84.43				
277.0	280.0	84.43	85.35	0.3 (0.3)	0.2		0.04
280.0	281.8	85.35	85.89	0.2 (0.2)	0.7		0.30
281.8	282.8	85.89	86.20	0.3 (0.3)	0.1		
282.8	284.5	86.20	86.72	0.1	0.2		0.13
284.5	286.0	86.72	87.17	0.5	3.0		0.22
286.0	290.2	87.17	88.45	0.4	1.35		0.08

DRILLING RECORD

EL 4880 Whites HOLE NO. DD 104 (continued)
Mine Grid 29726.93 N 31339.45 E Completed August 1953
Dec: 60° Azimuth 336° Total Depth 346.25' (105.54m)

From Ft	To Ft	From m	To m	lbs/ton U3O8	% Cu	% Pb	% Co
290.2	291.0	88.45	88.70	0.1 (chem <.01)	Nil	Nil	
291.0	292.0	88.70	89.00	0.1	Nil	Nil	
292.0	292.5	89.00	89.16	Nil			
292.5	297.5	89.16	90.68	"			
297.5	302.5	90.68	92.20	"			
309.0	313.0	94.18	95.40	0.1	Tr	Tr	
313.0	318.0	95.40	96.93	0.03	0.1	"	
320.0	323.0	97.54	98.45	0.1	Nil	"	
328.2	330.0	100.04	100.59	0.1			
330.0	335.0	100.59	102.11	Nil			
335.0	340.0	102.11	103.63	"			
340.0	345.0	103.63	105.16	"			

DRILLING RECORD

EL 4880 Whites — HOLE NO. DD 111
Mine Grid 29761 N 31317.31 E — Completed Sept. 1953
Dec: 45° Azimuth 336° — Total Depth 235' (71.63m)

From (Ft)	To (Ft)	From (m)	To (m)	
0	100	0.00	30.48	No core
100.0	115.0	30.48	35.05	Weathered (?) black slate with abundant pyrite. Kaolin chlorite, haematite on shears and cleavages, minor quartz, very broken. Θ = 0° at 112', 45° at 114'. Poorly bedded coarse grained.
115.0	125.0	35.05	38.10	Ditto, minor pyrite beyond 120'. Θ at 70' = 90°
125.0	126.8	38.10	38.65	Graphitic slate, broken & sericitic slate
126.8	135.75	38.65	41.38	Very white soft sericitic grey slate, sheared, minor pyrite, chalcopyrite in places, rare. Very broken Θ = 60° at 129', 20° at 132', 60° at 135'
135.75	140.0	41.38	42.67	Graphitic schist, partly sericitic at start Θ = 70°, 45°
140.0	144.25	42.67	43.97	Heavily pyritic sandy graphitic schist. Θ = 60°
144.25	147.5	43.97	44.96	No core
147.5	148.5	44.96	45.26	Graphitic schist, very broken
148.5	149.0	45.26	45.42	Quartz and pyrite
149.0	152.25	45.42	46.41	Pale grey green sericitic chloritic schist
152.25	156.75	46.41	47.78	Graphitic schist, no sulphides, Θ = 60°
156.75	158.75	47.78	48.39	Ditto, Θ flattening
158.75	160.5	48.39	48.92	Ditto, with quartz and pyrite
160.5	164.0	48.92	49.99	Graphitic schist, Θ = 0°, very broken
164.0	165.5	49.99	50.45	No core
165.5	166.5	50.45	50.75	Kaolinised, bleached chloritic slate, reversal (steep) = 90°, uraninite very high counts over 1' variable
165.5	168.1	50.45	51.24	Graphitic schist, very contorted
168.1	169.5	51.24	51.66	No core
169.5	171.0	51.66	52.12	Sandy graphitic schist sludges
171.0	177.25	52.12	54.03	Ditto, graphitic schist & sludge
177.25	179.0	54.03	54.56	No core
179.0	186.5	54.56	56.85	Some quartz at 182', 183', 186' with pyrite. Θ = 90° at 181', 0° at 184', 70° at 186'
186.5	194.8	56.85	59.38	(chopped?) 1/8" fragmental black slates
194.8	197.8	59.38	60.29	½" fragments, silky grey slates, sludges Θ = 45° at 197.8'
197.8	200.0	60.29	60.96	Graphitic schist sludge, pyrite
200.0	206.5	60.96	62.94	Ditto, fragments graphitic schist
206.8	208.0	63.03	63.40	Chopped chloritic slate

DRILLING RECORD

EL 4880 Whites HOLE NO. DD 111 (continued)
Mine Grid 29761 N 31317.31 E Completed Sept. 1953
Dec: 45° Azimuth 336° Total Depth 235' (71.63m)

From Ft	To Ft	From m	To m	
208.0	213.5	63.40	65.08	Very broken chloritic slate, mainly fragments, sludge. Very soft, white coarse grained and sandy for last 6"
213.5	215.5	65.08	65.69	?5" very highly pyritic rock, quartz, limey matrix? No structures, 8" very fine grained cherty limonitic rock silicified. High specific gravity. Quartz at end. Impervious, possibly silicified altered limestone. 5c/s from 208-210', 213-213½' Copper?
215.5	219.0	65.69	66.75	Asbestiform and silicified grey limestone. Very broken. Pyritic at end.
219.0	220.0	66.75	67.06	Mainly massive pyrite, silicified limestone?
220.0	224.5	67.06	68.43	Broken asbestiform limestone, brecciated
224.5	235.0	68.43	71.63	White marble, very silicified (quartzite) from around 230-233' Θ = 60°. Asbestiform at 234'. Slatey bands.

Assay Record

From Ft	To Ft	From m	To m	lbs/ton U3O8	% Cu	% Pb	% Co
100.0	101.8	30.48	31.03		0.01	Nil	
101.8	103.4	31.03	31.52		0.01	"	
103.4	105.2	31.52	32.07		0.01	"	
105.2	107.0	32.07	32.61		0.05	"	
107.0	108.5	32.61	33.07		0.03	"	
108.5	110.0	33.07	33.53		0.03	"	
110.0	111.0	33.53	33.83		0.05	"	
111.0	116.5	33.83	35.51		Nil	"	
113.5	117.5	34.60	35.81		"	"	
117.5	119.8	35.81	36.52		0.03	"	
119.8	121.9	36.52	37.16		Nil	"	
121.9	123.2	37.16	37.55		0.03	"	<.05
123.2	125.0	37.55	38.10		0.05	"	<.05
125.0	126.8	38.10	38.65	8.7	0.3	"	0.47
126.8	128.9	38.65	39.29	8.4	5.15	"	0.12
128.9	129.9	39.29	39.59	0.5	Tr	"	0.03
129.9	131.5	39.59	40.08	0.5	"	"	0.02
131.5	133.0	40.08	40.54	0.3	"	"	0.01
133.0	134.5	40.54	41.00	0.5	0.1	0.1	
134.5	135.9	41.00	41.42	2.2			0.08
135.9	139.0	41.42	42.37	0.5	0.1	0.1	0.04
139.0	140.0	42.37	42.67	1.6	0.05	0.1	0.04
140.0	142.0	42.67	43.28		0.2	Nil	
142.0	147.5	43.28	44.96		0.15	"	0.09
147.6	149.0	44.99	45.42		0.01	"	
149.0	152.2	45.42	46.39		0.1	"	0.10
152.2	153.2	46.39	46.70	0.06	<.04	"	

DRILLING RECORD

EL 4880 Whites HOLE NO. DD 111 (continued)
Mine Grid 29761 N 31317.31 E Completed Sept. 1953
Dec: 45° Azimuth 336° Total Depth 235' (71.63m)

From Ft	To	From m	To	lbs/ton U3O8	% Cu	% Pb	% Co
153.2	154.2	46.70	47.00		0.4	Nil	0.12
					(0.2)		(<0.02)
154.2	155.5	47.00	47.40		0.1	"	0.20
					(0.05)		
155.5	156.8	47.40	47.79		0.1	"	0.14
					(0.05)		
156.8	160.5	47.79	48.92		0.35	0.1	0.09
160.5	162.5	48.92	49.53		1.05	Nil	0.06
162.5	165.5	49.53	50.45	0.26	0.1	"	
165.5	166.4	50.45	50.72	21.7	1.1	"	0.08
169.5	171.0	51.66	52.12	0.5	0.1	"	
171.0	174.5	52.12	53.19		0.05	"	0.06
174.5	175.8	53.19	53.58		0.05	"	0.04
175.8	179.0	53.58	54.56		0.03	0.1	0.03
179.0	181.0	54.56	55.17		0.5	2.0	0.29
					(0.3)		(0.26)
181.0	183.2	55.17	55.84		0.9	0.7	1.58
					(0.75)		
183.2	183.5	55.84	55.93		0.2	Nil	0.12
					(0.3)		
183.5	184.1	55.93	56.11		0.2	4.0	0.70
184.1	184.7	56.11	56.30	0.1	0.5	3.5	
184.7	185.0	56.30	56.39	0.1	0.7	3.98	0.37
185.0	185.3	56.39	56.48	0.2	2.10	2.77	0.54
185.3	186.0	56.48	56.69	0.1	0.86	2.71	2.35
186.0	186.5	56.69	56.85	0.2	0.75	3.61	0.46
186.5	191.5	56.85	58.37	0.1	0.26	Nil	0.4
191.5	192.4	58.37	58.64	0.2	1.59	3.45	0.42
192.4	194.8	58.64	59.38		0.03	Nil	
194.8	196.0	59.38	59.74	0.2	2.4	"	
196.0	197.8	59.74	60.29	0.2	2.16		0.6
197.8	200.0	60.29	60.96	0.3	2.07	0.7	0.45
					(1.96)	(check	0.31)
200.4	204.2	61.08	62.24	0.2	3.24	Nil	0.16
					(3.02)		(0.20)
204.2	206.8	62.24	63.03	0.4	3.11	Nil	0.12
206.8	208.0	63.03	63.40		5.4	0.1	
208.0	210.0	63.40	64.01				
210.0	211.0	64.01	64.31	0.3	4.15	Nil	0.18
211.0	213.0	64.31	64.92				
213.0	213.5	64.92	65.08	0.3	5.73		0.09
213.5	215.5	65.08	65.69	0.1	0.90	Nil	0.07
216.0	218.0	65.84	66.45	0.6	0.29	0.11	0.04
					(0.26)		(0.10)
218.0	219.0	66.45	66.75	0.2	0.2	Nil	<0.02
219.0	224.5	66.75	68.43		1.55	0.4	
224.5	225.0	68.43	68.58	Tr	0.10	Nil	Nil
225.0	230.0	68.58	70.10	0.1			
230.0	235.0	70.10	71.63	0.3			

DRILLING RECORD

EL 4880 Whites HOLE NO. 120
Mine Grid 29566.35 N 31414.32 E
Started 12.10.1953 Completed 28.11.1953
Dec: 60° Azimuth 326° Total Depth 486.4'

From Ft	To	From m	To	
0	30.0	0.00	9.14	Non cored
30.0	42.8	9.14	13.05	Silky "ribbed" graphitic schist, limonite & haematite on shears, Θ = 45° at 35', Θ = 60°, Θ 30° opp 37. Θ = 30-45°, parallel Θ = 30° 30-42', Θ flat (from 42.8') up to 30° at 49', 20°, 15°
42.8	57.0	13.05	17.37	Pyrite
57.0	67.7	17.37	20.64	Graphitic schist, silky grey Θ = 30-40°, Θ indistinct at 65', undulating 0-70°
67.7	78.25	20.64	23.85	Graphitic schist, highly sheared, pyrite. Θ = 60° , 0° at 70', Θ at 72' = 50°. Points show increased counts, eg 76' hem circle
78.25	93.5	23.85	28.50	Highly stressed grey phyllites & carbonaceous slates. Well developed cleavages, spotted as in DD 113. Abundant pyrite, chalcopyrite? suggestion of halo of sulphides around, some spots, cleavage "flows" around some spots. Θ= 30°, some spots sericitic & carbonaceous layers
93.5	99.5	28.50	30.33	Highly sheared graphitic schist, some pyrite Θ = 70°-30° -- very broken at end
99.5	100.9	30.33	30.75	Sandy chloritic slate, green white streaks, siliceous hard very broken. Θ = 60°
100.9	102.5	30.75	31.24	Silicified carbonised slate with pyrite, Θ = 45°
102.5	124.95	31.24	38.09	Black slates & schist, pyrite, Θ = 20°. Uniform flattening to 0° at 118'. Becomes broken to end, some green talc on shears
124.75	125.75	38.02	38.33	Massive vein quartz with graphitic schist, some pyrite, very contorted slates
125.75	127.9	38.33	38.98	Graphitic schist with haematite, some talc on shears (green tinge)
127.9	137.25	38.98	41.83	Graphitic schist, haematite with talc & sericite, minor on shears, quartz veins 3" 129,133', abundant sulphides to 130'. Θ = 45°, 20° at 129', 20° through very broken 131-5,
137.25	215.25	41.83	65.61	Logs missing
215.25	218.7	65.61	66.66	Graphitic schist, sericite, abundant pyrite, talcose, Θ = 45-60°

DRILLING RECORD

EL 4880 Whites HOLE NO. 120 (continued)
Mine Grid 29566.35 N 31414.32 E
Started 12.10.1953 Completed 28.11.1953
Dec: 60° Azimuth 326° Total Depth 486.4'

From Ft	To	From m	To	
218.7	244.0	66.66	74.37	Graphitic schist, thinly interbedded (¼") with sericitic slate (grey), good regular bedding, abundant pyrite, fine, few veins. Θ = 30°, 0° at 225', 45° to end. Good cleavage Θ = 30-40°.
244.0	259.8	74.37	79.19	Black slates & phyllites, sheared and corrugated, heavily pyritic throughout, no chalcopyrite. Θ = 45°, well bedded Θ = 30° at 256'
259.8	276.5	79.19	84.28	Ditto, becoming graphitic. well bedded 1/8 - ¼", pyrite abundant some chalcopyrite from 265'. Θ = 45°-60°, 0° with reversal to 90° at 270', 30° at 274', 45° end
276.5	287.5	84.28	87.63	Graphitic schist and black slate. Sheared 283'. Pyrite, minor chalcopyrite (much at 287') Θ = 45°, reversal at 287'
287.5	302.25	87.63	92.13	Black slate, graphitic & sericitic. Abundant pyrite, no chalcopyrite? Θ = 90°, 60°, 0° at 295', 45°. 0° at 299-301', 70°.
303.25	314.25	92.43	95.78	Graphitic schist and sericitic black slate, poorly bedded, pyrite abundant, very fine, Θ = 60°, very minor chalcopyrite? somewhat sheared, broken
314.0	329.0	95.71	100.28	Sericitic black slate & graphitic slate silicified. Pyrite abundant, chalcopyrite? Θ = 45°, flat at 318'
329.0	332.0	100.28	101.19	Θ = 45° from 329-332'
332.0	359.0	101.19	109.42	Highly sericitic grey slates, talcose? moderate pyrite, some chalcopyrite veins, especially at 349'. Θ = 30°, 20°, 10° at 345', 30° at 352', 45°
359.0	369.0	109.42	112.47	Mainly serictic black slate, non graphitic, few graphitic bands inc. 3" at end, also 361'. Θ = 30°-90°. Pyrite minor, chalcopyrite at 366'
369.0	370.9	112.47	113.05	Mainly fine grained talc rock, chert like, very soft, olive green colour, high S.G. few graphitic bands, Θ = 70°. Pyrite on shears, counts possible up slightly
370.9	374.0	113.05	114.00	Very broken talcose grey sericitic slate

DRILLING RECORD

EL 4880 Whites HOLE NO. 120 (continued)
Mine Grid 29566.35 N 31414.32 E
Started 12.10.1953 Completed 28.11.1953
Dec: 60° Azimuth 326° Total Depth 486.4'

From (Ft)	To (Ft)	From (m)	To (m)	
374.0	381.0	114.00	116.13	Grey sericitic talcose slate, thick bedded Θ = 50°, chalcopyrite, pyrite on cleavage, minor.
381.0	389.8	116.13	118.81	Talcose grey slates fine grained, very broken and clayey from 81-84.5', 86-87'. Pyrite minor, chalcopyrite?
389.8	400.0	118.81	121.92	Fine grained sericitic black slate with pyrite abundant. Some pyrite Θ = 90°, 60°
400.0	414.0	121.92	126.19	Chalcopyrite from 400', well bedded. Θ = 40-45°
414.0	424.8	126.19	129.48	Talcose sericitic (grey? chloritic?) slates, sandy & coarse grained, pyrite abundant, some chalcopyrite 45° 30°
424.8	426.9	129.48	130.12	As above
426.6	428.8	130.03	130.70	Talcose black slate with, pyrite, chalcopyrite 45°
428.8	434.0	130.70	132.28	Talcose black, some graphitic and silicified slate, fine grained, pyrite quartz Θ = 45°
434.0	443.0	132.28	135.03	Green sericitic talcose chloritic schist, quartz veins, pyrite on shears sandy bands. Θ = 45°, Θ at 439' = 40°, reversal 438-441' 10 c/s
443.0	444.5	135.03	135.49	Graphitic schist, sheared, sulphides abundant
444.5	450.9	135.49	137.44	Black slate, sericitic with abundant sulphides, highly haematised, 446.5'-446.7' pyrite
450.7	451.8	137.38	137.71	No core
451.8	453.0	137.71	138.08	Sludge and fragments of slate, pyrite
453.0	457.8	138.08	139.54	No core
457.8	460.2	139.54	140.27	Graphitic schist & quartz fragments
460.2	462.1	140.27	140.85	Pyritic sandy black slate & quartz veins, abundant. Fragments only Θ = 50° at 461.3
462.1	464.7	140.85	141.64	Fine fragments slate, quartz
464.7	475.3	141.64	144.87	Black slates, silicified & coarse grained with abundant pyrite, chalcopyrite, good core, generally Θ = 60°
475.3	486.4	144.87	148.26	Limestone, very impure black and slatey in alternate bands with white crystalline marble - 1'. First 18" brecciated ? Black high pearly lustre, Θ = 60°, reversal at 480', pyrite, chalcopyrite abundant in bedding & granules.

E.O.H.

DRILLING RECORD

EL 4880 Whites HOLE NO. 120 (continued)
Mine Grid 29566.35 N 31414.32 E
Started 12.10.1953 Completed 28.11.1953
Dec: 60° Azimuth 326° Total Depth 486.4'

From Ft	To	From m	To	lbs/ton U3O8	% Cu	% Pb	% Co
230.0	235.0	70.10	71.63		0.1		
250.0	255.0	76.20	77.72	0.1	Nil		
265.0	270.0	80.77	82.30	0.1	"		
270.0	275.0	82.30	83.82	0.1	"		
275.0	280.0	83.82	85.35	0.1	"		
280.0	285.0	85.35	86.87	0.1	"		
295.0	300.0	89.92	91.44	0.1	"		
315.0	320.0	96.01	97.54	0.1	0.05	0.4	<.05
335.0	340.0	102.11	103.63	0.2	0.1	0.2	<.05
354.0	359.0	107.90	109.42	0.1	0.1	Nil	.07
369.0	371.0	112.47	113.08	0.2	1.0	0.1	.20
371.0	374.0	113.08	114.00	0.2	1.9	Nil	.14
374.0	377.0	114.00	114.91	0.2	1.5	"	.09
377.0	381.0	114.91	116.13	0.1	0.8	0.1	.05
391.5	395.0	119.33	120.40	0.1	0.4	0.1	.01
395.0	400.0	120.40	121.92	0.1	0.5	0.2	.02
400.0	405.0	121.92	123.45	0.1	0.6	0.3	.02
405.0	410.0	123.45	124.97	0.1	1.4	0.2	.01
410.0	415.0	124.97	126.49	0.1	0.7	Nil	Nil
415.0	420.0	126.49	128.02	1.5	0.8	0.5	0.10
420.0	425.0	128.02	129.54	0.4	0.3	"	Nil
425.0	430.0	129.54	131.07	0.4	0.1	0.3	.02
430.0	435.0	131.07	132.59	0.4	0.1	0.2	.02
435.0	438.0	132.59	133.50	0.1	0.5	0.2	.01
438.0	440.0	133.50	134.11	2.4	0.3	0.6	Nil
440.0	441.5	134.11	134.57	4.0	0.4	0.6	.01
441.5	443.0	134.57	135.03	0.5	0.4	0.6	Nil
444.5	447.2	135.49	136.31	12.9	0.05	0.5	.02
451.8	453.0	137.71	138.08	0.5	1.0	Nil	.18
464.7	466.9	141.64	142.31	0.5	0.05	0.2	Nil
468.3	470.2	142.74	143.32	0.1	Nil	0.4	"
470.2	473.3	143.32	144.26	0.2	0.1	0.1	"
473.3	475.3	144.26	144.87	0.1	0.05	0.1	"
475.3	480.3	144.87	146.40	0.1	Nil	Nil	"
480.3	486.4	146.40	148.26	0.1	0.05	0.1	"

DRILLING RECORD

EL 4880 Whites
HOLE NO. DD 228
Mine Grid 29858.28 N 31273.54 E Started 18.9.1954
Declination: horizontal
Azimuth: 336° RL Collar 5123.89 Total Depth 20.3'

From Ft	To	From m	To	
0	18.0	0.00	5.49	Graphitic slate fragments, very minor sulphide. Θ = 100° at 3' elsewhere indefinite.
18.0	20.3	5.49	6.19	Silicious leached grey slate & white limestone

END OF HOLE

Assay Record

				lbs/ton U3O8	% Cu	% Pb	% Co
0	4.0	0.00	1.22	0.34	0.9		.03
4.0	11.0	1.22	3.35	0.24	0.9		.05
11.0	18.0	3.35	5.49	0.22	0.6		.03

DRILLING RECORD

EL 4880 Whites HOLE NO. DD 229
Mine Grid 29843 N 31284 E Completed 18.9.1954
Azimuth: 156° Declination: horizontal Total Depth 120'

From Ft	To	From m	To	
0	26.0	0.00	7.92	Graphitic slate abundant pyrite from 8', some chalcopyrite, Θ very poor
26.0	50.0	7.92	15.24	Graphitic slate, grey with white streaks, well bedded, little sulphide. (pyrite) Θ = 45°, 30°, 45°
50.0	63.8	15.24	19.45	Graphitic slate with pyrite Θ = 80°, 10° at 56', 45°
63.8	82.5	19.45	25.15	Graphitic slate with pyrite, reversals 64.5' 90°, 68.5'. Θ then 20°, 45°. Coarse grained towards end, poor bedding
82.5	106.0	25.15	32.31	Graphitic slate Θ = 30°, pyrite moderate throughout, some chalcopyrite from 87', also galena(?) very minor. Bornite? film on fracture planes about 103' (reddish purple colour)
106.0	120.0	32.31	36.58	Graphitic slate, with pyrite, no chalcopyrite. Θ = 90°.

END OF HOLE

Assay Record

				lbs/ton U3O8	% Cu	% Pb	% Co
0	5.4	0.00	1.65	0.32	1.7		1.10
5.4	10.0	1.65	3.05	0.32	<0.1		0.06
10.0	12.4	3.05	3.78	0.08	0.2		0.01
12.4	15.0	3.78	4.57	0.06	<0.1		0.02
15.0	17.4	4.57	5.30	0.08	0.4		0.03
17.4	20.0	5.30	6.10	0.02	<0.1		0.04
20.0	25.0	6.10	7.62	0.1	<0.1		0.02
25.0	27.0	7.62	8.23	0.05	0.3		0.02
27.0	30.4	8.23	9.27	0.18	<0.1		0.02
30.4	33.0	9.27	10.06	0.1	0.1		0.02
33.0	38.0	10.06	11.58	0.08	0.1		0.03
38.0	43.0	11.58	13.11	0.08	<0.1		0.01 (.02)
43.0	46.0	13.11	14.02	0.06	0.3		<.01
46.0	50.0	14.02	15.24	0.1	<0.1		0.01
50.0	55.0	15.24	16.76	0.2	<0.1		0.03
55.0	60.0	16.76	18.29	0.16	<0.1		0.24
60.0	65.0	18.29	19.81	0.2	0.2		0.24
65.0	70.0	19.81	21.34	0.03	<0.1		0.01
70.0	75.0	21.34	22.86	0.12	0.1		0.03
75.0	80.0	22.86	24.38	0.1	0.2		<.01
80.0	85.0	24.38	25.91	0.08	<0.1	<0.2	<.01
85.0	87.4	25.91	26.64	0.08	<0.1	<0.2	0.03
87.4	90.0	26.64	27.43	0.22	<0.1	<0.2	0.04
90.0	92.4	27.43	28.16	0.14	0.4	<0.2	0.10
92.4	95.0	28.16	28.96	0.14	0.4	<0.2	0.13
95.0	99.0	28.96	30.18	0.17	0.5	<0.2	0.19
99.0	102.4	30.18	31.21	0.06	0.5	<0.2	0.21
102.4	106.0	31.21	32.31	0.05	<0.1	<0.2	0.04
106.0	111.0	32.31	33.83	0.08	<0.1	<0.2	<.02
111.0	115.0	33.83	35.05	0.06	<0.1	<0.2	0.05
115.0	120.0	35.05	36.58	0.12	<0.1	<0.2	0.02

DIAMOND DRILLING RECORD

EL 4880 WHITES WEST Hole: DD 318

Local grid Mine Grid 29354N 30689E

Bearing Declination: Vertical RL Collar 5322 Depth: 1072' (326.75 m)

From	To	Recov	From	To	Recov	Description
	Ft			m		
0	20.0	0	0.00	6.10	0.00	Non core
20.0	305.0	283.0	6.10	92.97	86.26	Pyritic sericitic slate, minor graphitic
305.0	308.5	3.5	92.97	94.03	1.07	Broken graphitic slate
308.5	378.0	69.5	94.03	115.22	21.18	Pyritic sericitic slate
378.0	426.5	48.5	115.22	130.00	14.78	Dark green chloritic slate, resembles black sericitic
426.5	454.0	27.5	130.00	138.38	8.38	Massive chloritic slate
454.0	465.0	11.0	138.38	141.73	3.35	Black graphitic slate
465.0	476.0	11.0	141.73	145.09	3.35	Folded grey sericitic slate
476.0	489.5	13.5	145.09	149.20	4.11	Chloritic slate with some chalcopyrite
489.5	519.0	29.5	149.20	158.19	8.99	Black slate to 503', then graphitic slate
519.0	547.0	27.0	158.19	166.73	8.23	Andalusite slate
547.0	587.0	40.0	166.73	178.92	12.19	Pyritic grey sericitic slate, chalcopyrite in small quartz veins at 563', 572'
587.0	666.0	79.0	178.92	203.00	24.08	Pyritic black and sericitic slate
666.0	704.0	38.0	203.00	214.58	11.58	Black sericitic slates, some graphitic bands and minor development of andalusite
704.00	725.5	21.5	214.58	221.14	6.55	Sericitic graphitic slate
725.5	811.0	85.5	221.14	247.20	26.06	Andalusite slate, occasional graphitic band
811.0	821.8	10.8	247.20	250.49	3.29	Dark green chloritic slate with chalcopyrite
821.8	849.0	27.2	250.49	258.78	8.29	Black slate with chalcopyrite
849.0	856.2	7.2	258.78	260.97	2.19	Black slate with smears of galena on cleavage
856.2	896.7	40.5	260.97	273.32	12.34	Sheared and brecciated graphitic slate and quartz carrying chalcopyrite, pyrite and galena
896.7	986.0	89.3	273.32	300.54	27.22	Graphitic slate with chalcopyrite and galena
986.0	1015.9	29.9	300.54	309.65	9.11	Black slate with chalcopyrite and galena
1015.9	1016.5	0.6	309.65	309.83	0.18	Limestone
1016.5	1041.0	24.5	309.83	317.30	7.47	Hard massive black slate
1041.0	1049.2	8.2	317.30	319.80	2.50	Hard massive black slate
1049.2	1072.0	22.8	319.80	326.75	6.95	Limestone

TRO PARI

Depth	Dip	Bearing
200	88	80
400	85	60
600	84	76
800	82	75
995	81	74

DIAMOND DRILLING RECORD

EL 4880 WHITES WEST Hole: DD 318

Local grid Mine Grid 29354N 30689E

Bearing Declination: Vertical RL Collar 5322 Depth: 1072' (326.75 m)

ASSAY

From	To F	Width	From	To M	Width	% Cu	% Pb	% Co
851.0	856.0	5.0	259.39	260.91	1.52	0.2	<0.05	0.08
856.0	866.0	10.0	260.91	263.96	3.05	1.15	0.50	0.53
866.0	876.0	10.0	263.96	267.01	3.05	2.65	<0.05	0.80
876.0	896.0	20.0	267.01	273.10	6.10	0.25	3.90	0.14
896.0	906.0	10.0	273.10	276.15	3.05	<0.20	10.05	0.09
906.0	921.0	15.0	276.15	280.72	4.57	<0.20	2.83	0.10
921.0	951.0	30.0	280.72	289.87	9.14	0.38	11.62	0.47
951.0	961.0	10.0	289.87	292.92	3.05	1.3	4.0	1.12
961.0	1006.0	45.0	292.92	306.63	13.72	0.20	9.7	0.23
1006.0	1047.0	41.0	306.63	319.13	12.50	<0.2	<0.1	<0.02

DIAMOND DRILLING RECORD

EL 4880 WHITES WEST le: DD 320
Local grid Mine Grid 29554N 31143E
Bearing Declination: Vertical RL Collar 5322 Depth: 721' abandoned(219.76m)

ASSAYS

From Ft	To Ft	Width	From m	To m	Width	%Cu	% Pb	% Co
530.0	532.0	2.0	161.55	162.16	0.61	<0.1	NA	<0.02
532.0	535.0	3.0	162.16	163.07	0.91	0.2	NA	<0.02
537.0	540.0	3.0	163.68	164.59	0.91	<0.1	NA	<0.02
686.0	702.0	16.0	209.10	213.97	4.88	<0.2	<0.1	0.02
702.0	705.5		213.97	215.04	0.00	No core		
705.5	709.75	4.25	215.04	216.33	1.30	<0.2	<0.1	0.02
709.75	716.0	6.25	216.33	218.24	1.91	0.25	<0.1	0.24

DIAMOND DRILLING RECORD

EL 4880 WHITES WEST Hole: DD 321

Local grid Mine Grid 29475N 30956E

Bearing Declination: Vertical RL Collar 5321 Depth: 863' (m)

From	To	Recov	From	To	Recov	Description
	Ft			m		
0	40		0.00	12.19	0.00	Non core
40	95.7	55.7	12.19	29.17	16.98	Chloritic slate
95.7	118.5	22.8	29.17	36.12	6.95	Grey sericitic slate
118.5	169	50.5	36.12	51.51	15.39	Light green chloritic slate
169	253.5	84.5	51.51	77.27	25.76	Sericitic and graphitic slate
253.5	268	14.5	77.27	81.69	4.42	Massive grey green chloritic slate
268	305.5	37.5	81.69	93.12	11.43	Sericitic and graphitic slate, 18' quartz at end
305.5	314	8.5	93.12	95.71	2.59	Graphitic slate and schist
314	334.5	20.5	95.71	101.96	6.25	Chloritic schist, sheared to 329'
334.5	341	6.5	101.96	103.94	1.98	Hard dull black slate
341	368.5	27.5	103.94	112.32	8.38	Chloritic schist, broken from 348'
368.5	384	15.5	112.32	117.04	4.72	Silky sericitic slate, minor graphitic and andalusite
384	399	15	117.04	121.62	4.57	Black slate
399	456	57	121.62	138.99	17.37	Chloritic slate
456	536.8	80.8	138.99	163.62	24.63	Black slate
536.8	585.5	48.7	163.62	178.46	14.84	Black slate, some chloritic
585.5	615.5	30.0	178.46	187.61	9.14	Black slate
615.5	683.2	67.7	187.61	208.24	20.64	Chloritic slate
683.2	688.5	5.3	208.24	209.86	1.62	Sericitic slate
688.5	696	7.5	209.86	212.14	2.29	Black and chloritic slate
696	707	11	212.14	215.50	3.35	Sericitic slate
707	711	4.0	215.50	216.72	1.22	Chloritic (?amphibolite) slate with chalcopyrite and galena
711	717	6.0	216.72	218.54	1.83	Chloritic slate with trace chalcopyrite and galena
717	734	17	218.54	223.73	5.18	Black slate with chalcopyrite and galena, 8' quartz at end
734	745	11	223.73	227.08	3.35	Black slate with chalcopyrite
745	749	4	227.08	228.30	1.22	Chloritic slate with chalcopyrite and galena
749	770.2	21.2	228.30	234.76	6.46	Black slate with chalcopyrite and galena, less galena at end
770.2	784.5	14.3	234.76	239.12	4.36	Sericitic slate with chalcopyrite and bornite
784.5	792	7.5	239.12	241.40	2.29	Broken, partly brecciated, chloritic and sericitic slate, chalcopyrite
792	814	22	241.40	248.11	6.71	Graphitic sericitic slate, prominent chalcopyrite
814	818.7	4.7	248.11	249.54	1.43	Broken graphitic schist and pug, no mineralisation
818.7	822	0	249.54	250.55	0.00	
822	833	0.5	250.55	253.90	0.15	Graphitic slate
833	839	0.5	253.90	255.73	0.15	Graphitic slate, some chalcopyrite
839	845	2.0	255.73	257.56	0.61	Fragments of grey sericitic slate, strong chalcopyrite
845	847	0.5	257.56	258.17	0.15	Graphitic schist fragments
847	853.5	2.0	258.17	260.15	0.61	Fine grained grey limestone
853.5	863	0.5	260.15	263.05	0.15	Highly pyritic black slate fragments

DIAMOND DRILLING RECORD

EL 4880 WHITES WEST ● ●ole: DD 321 Page 2
Local grid Mine Grid 29475N 30956E
Bearing Declination: Vertical RL Collar 5321 Depth: 863' (m)

TRO PARI

Depth	Dip	Bearing
150	88	168
300	86	129
500	81	77
700	78	48
820	77	50

ASSAYS

From	To	Width	From	To	Width	%Cu	% Pb	% Co
707	732	25	215.50	223.12	7.62	0.27	<0.1	0.31
732	737.6	5.6	223.12	224.82	1.71	1.37	<0.1	0.84
737.6	756	18.4	224.82	230.43	5.61	0.32	2.08	0.20
756	761	5.0	230.43	231.96	1.52	1.10	6.1	0.06
761	815	54	231.96	248.42	16.46	3.64	<0.1	0.29
815	818.7	3.7	248.42	249.54	1.13	0.55	0.3	0.01
818.7	821	2.3	249.54	250.24	0.70	No core		
821	822.5	1.5	250.24	250.70	0.46	0.75	0.2	0.05
712	805	93	217.02	245.37	28.35	2.20	0.79	0.33

DIAMOND DRILLING RECORD

EL 4880 WHITES Hole 920
Local grid 410S 4000W Mine Grid 29429.9N 31857.7E
Bearing 360° Declination: 70° RL Collar: 5328.4 Depth 1207'

From Ft	To Ft	Recov	From m	To m	Recov	Description
0	10	0	0.00	3.05	0.00	Non coring
10	30	8	3.05	9.14	2.44	Brown clay and sand
30	225	187	9.14	68.58	57.00	Pale grey to white dolomite, cavity 72'6" to 80'6"
225	320	95	68.58	97.54	28.96	Fine grained white dolomite with occasional silicified bands to 3", and bands of broken red haematitic mudstone to about 3" thick on 24" centres
320	440	120	97.54	134.11	36.58	Fine grained white dolomite with bands of brown or pink sandy dolomite to 3"
440	496	56	134.11	151.18	17.07	Fine grained white dolomite with random bands of reddish brown mudstone (containing angular dolomite fragments) up to 3"
496	575	79	151.18	175.26	24.08	Fine grained white dolomite
575	636	61	175.26	193.86	18.59	Dolomite breccia: fragments of fine grained red dolomite in a white or grey dolomitic matrix (of H.Q.B.)
636	756	120	193.86	230.43	36.58	White fine grained dolomite, with occasional 3" bands of red sandy dolomite from 698'.
756	760	4	230.43	231.65	1.22	Dolomite fragments to 2" diameter and highly sheared black graphitic schist
760	770	0	231.65	234.70	0.00	No core recovered
770	781	11	234.70	238.05	3.35	Predominantly fine grained grey dolomite, with blocky black slate bands 770'3"-770'9", 771'-771'3" and 774'-776'3"
781	808	15.5	238.05	246.28	4.72	Highly sheared black graphitic schist containing veins of green talc
808	876.25	68.25	246.28	267.08	20.80	White or pale grey dolomite, with occasional black slate .....
876.25	924	46	267.08	281.64	14.02	Black pyritic slate and highly sheared black graphitic schist bands (Main Shear Zone), trace of galena throughout as fine smears and veins, 1½" galena - pyrite vein at 918'; minor chalcopyrite veins 880'-890'.
927	1007	15	282.55	306.94	4.57	Dolomite, slate breccia, some rounded quartz fragments, trace of fine chalcopyrite to 1000'
1007	1071	64	306.94	326.44	19.51	Very fine grained grey to black muddy dolomite
1071	1207	156	326.44	367.90	47.55	White to pale grey dolomite.

EL 4880 WHITES Hole 920
Local grid 410S 4000W Mine Grid 29429.9N 31857.7E
Bearing 360° Declination: 70° RL Collar: 5328.4 Depth 1207'

Radiometric Record

Probing the hole shows anomalous radioactivity equivalent to +1 lb U3O8/ton at 706'-770'and 796'-799', +2 lb U3O8/ton at 979-995', and +5 lb U3O8/ton at 882-885'.

TRO PARI SURVEYS

Hole	Depth	Dip	Azimuth (°T)
300	91.44	73	337
400	121.92	73	341
448	136.55	68	338
599	182.58	70	339
700	213.36	68	323
800	243.84	65	332
1000	304.80	69	345
1100	335.28	72	351
1200	365.76	66	352

DIAMOND DRILLING RECORD

EL 4880 WHITES Hole 920 Page 3
Local grid 410S 4000W Mine Grid 29429.9N 31857.7E
Bearing 360° Declination: 70° RL Collar: 5328.4 Depth 1207'

ASSAYS

From	To	Length Ft	Recov	From	To	Length m	Recov	lb U3O8/ton Rad	Chem	% Cu	%Pb	%Zn	% Co	% Ni
787.1	791.2	4.17	2.0	239.91	241.16	1.27	0.61	0.32						
791.2	796	4.67	2.0	241.16	242.62	1.42	0.61	0.59						
796	799	3.0	2.6	242.62	243.54	0.91	0.79	4.40	5.34					
799	800	1.0	0	243.54	243.84	0.30	0.00							
800	806	6.0	5.58	243.84	245.67	1.83	1.70	0.47						
877	880	3.0	3.0	267.31	268.23	0.91	0.91	0.12		0.19	0.01	0.01		
880	883	3.0	3.0	268.23	269.14	0.91	0.91	1.79		0.55	0.04	0.03		
883	886	3.0	3.0	269.14	270.06	0.91	0.91	0.59		1.6	0.02	0.02		
886	889	3.0	3.0	270.06	270.97	0.91	0.91	0.18		2.2	0.68	0.03		
889	892	3.0	3.0	270.97	271.88	0.91	0.91			1.1	4.7	0.06		
892	895	3.0	3.0	271.88	272.80	0.91	0.91			0.41	4.6	0.06		
895	901	6.0	0.58	272.80	274.63	1.83	0.18			0.64	2.6	0.14		
901	904	3.0	3.0	274.63	275.54	0.91	0.91			1.8	1.3	0.40		
904	907	3.0	3.0	275.54	276.46	0.91	0.91			0.19	1.2	0.54		
907	910	3.0	3.0	276.46	277.37	0.91	0.91			0.02	0.68	2.4		
910	913	3.0	3.0	277.37	278.29	0.91	0.91			0.01	1.7	3.7		
913	916	3.0	3.0	278.29	279.20	0.91	0.91			0.01	4.0	1.0		
916	919	3.0	3.0	279.20	280.11	0.91	0.91			0.10	9.2	1.2	0.10	0.09
919	922	3.0	3.0	280.11	281.03	0.91	0.91			0.25	3.5	0.15		
922	925	3.0	3.0	281.03	281.94	0.91	0.91			2.0	1.1	0.03		
925	928	3.0	3.0	281.94	282.86	0.91	0.91			2.6	1.1	0.07		
928	931	3.0	3.0	282.86	283.77	0.91	0.91			1.2	14.4	0.14	0.41	0.32
931	934	3.0	3.0	283.77	284.69	0.91	0.91			1.5	8.0	0.03		
934	937	3.0	3.0	284.69	285.60	0.91	0.91			2.7	0.57	0.02		
937	940	3.0	3.0	285.60	286.52	0.91	0.91			2.6	0.12	0.02		
940	943	3.0	3.0	286.52	287.43	0.91	0.91			3.5	0.06	0.01		
943	946	3.0	3.0	287.43	288.34	0.91	0.91			5.0	0.08	0.01		
946	949	3.0	3.0	288.34	289.26	0.91	0.91			8.3	0.02	0.01		
949	952	3.0	3.0	289.26	290.17	0.91	0.91			10.2	0.01	0.08	0.05	0.10
952	955	3.0	3.0	290.17	291.09	0.91	0.91			11.7	0.06	0.16	0.07	0.20
955	958	3.0	3.0	291.09	292.00	0.91	0.91			11.7	0.01	0.11	0.04	0.16
958	961	3.0	3.0	292.00	292.92	0.91	0.91			10.4	0.01	0.13	0.06	0.23
961	964	3.0	3.0	292.92	293.83	0.91	0.91			10.2	0.02	0.10	0.04	0.15
964	967	3.0	3.0	293.83	294.75	0.91	0.91			7.3	0.02	0.06		
967	970	3.0	3.0	294.75	295.66	0.91	0.91			6.0	0.01	0.02		
970	973	3.0	3.0	295.66	296.57	0.91	0.91			5.3	0.01	0.04		

DIAMOND DRILLING RECORD

EL 4880 WHITES Hole 920 Page 4
Local grid 410S 4000W Mine Grid 29429.9N 31857.7E
Bearing 360° Declination: 70° RL Collar: 5328.4 Depth 1207'

ASSAYS

From	To	Length Ft	Recov	From m	To	Length	Recov	lb U3O8/ton Rad	lb U3O8/ton Chem	% Cu	%Pb	%Zn	% Co	% Ni
970	973	3.0	3.0	295.66	296.57	0.91	0.91			5.3	0.01	0.04		
973	976	3.0	3.0	296.57	297.49	0.91	0.91			5.4	0.01	0.01		
976	979	3.0	3.0	297.49	298.40	0.91	0.91	0.26		4.6	0.01	0.01		
979	982	3.0	3.0	298.40	299.32	0.91	0.91	0.48		4.9	0.01	0.01		
982	985	3.0	3.0	299.32	300.23	0.91	0.91	1.31		6.7	0.01	0.01		
985	988	3.0	3.0	300.23	301.15	0.91	0.91	0.81		6.5	0.01	0.01		
988	991	3.0	3.0	301.15	302.06	0.91	0.91	1.35		6.8	0.01	0.01		
991	994	3.0	3.0	302.06	302.97	0.91	0.91	0.46		2.0	0.01	0.01		
994	997	3.0	3.0	302.97	303.89	0.91	0.91	0.19		0.73	0.01	0.04		
997	1000	3.0	3.0	303.89	304.80	0.91	0.91			0.51	0.01	0.01		
922	994	6.0	6.0	281.03	302.97	1.83	1.83			5.42	1.07	0.05		

The intersection (922-994 feet) represents about 26 feet horizontal width, with its centre (960 feet) at about RL 4430

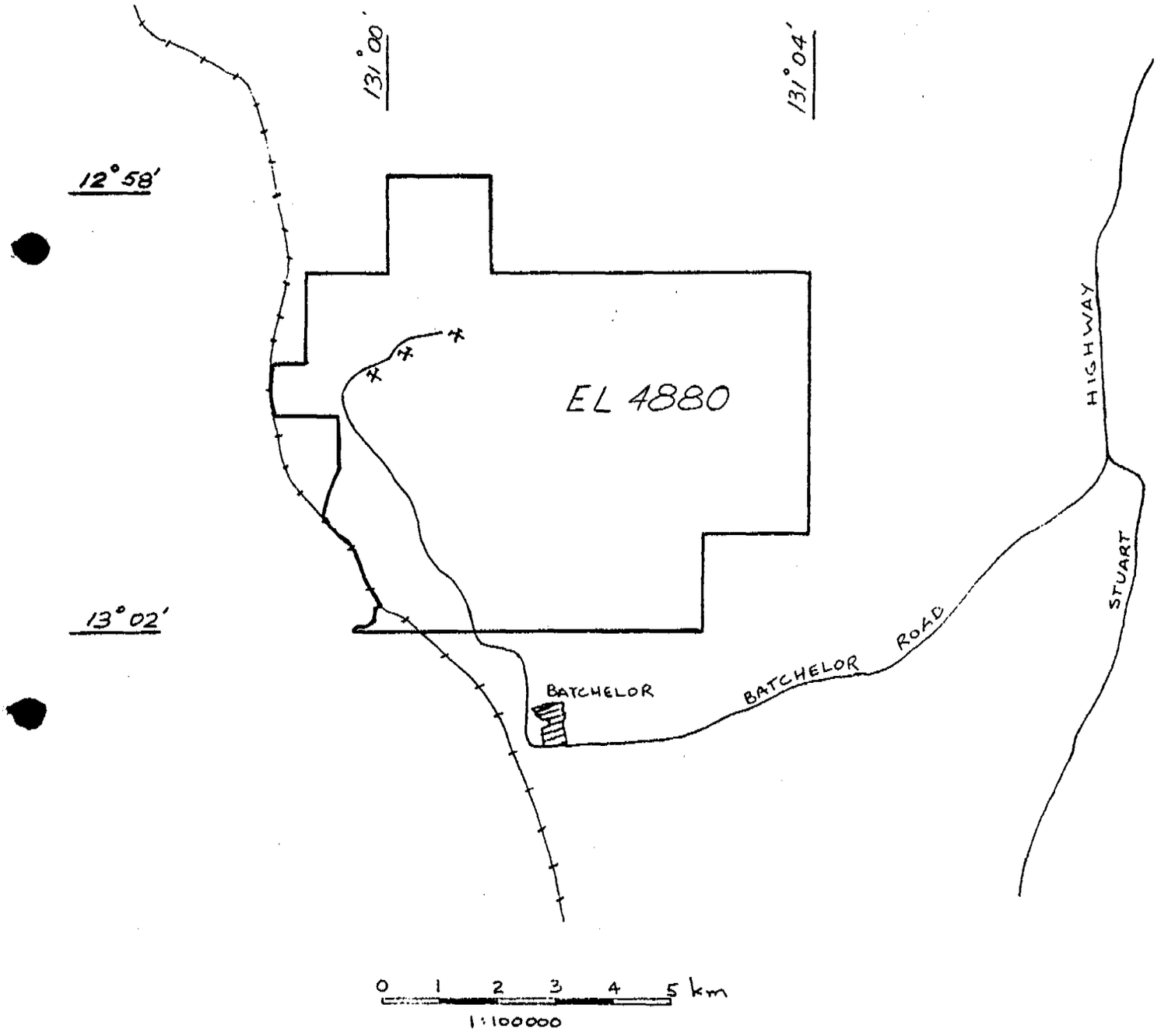

Figure 1
LOCATION PLAN EL4880

Compass Resources NL

EL 4880

RUM JUNGLE

EMBAYMENT PROSPECT

TAILINGS

BUILDINGS

Mine Waste

Dyson's Open Cut (Backfilled)

DYSON'S WASTE DUMP

WHITE'S OPEN CUT

INTERMIDIATE OPEN CUT

WASTE DUMP

INTERMIDIATE WASTE DUMP

DIVERSION CHANNEL

Note: Holes 1-19 are prefixed 65RC0

▲ Mt. Wimpey

EAST FINNISS RIVER

FINNISS RIVER

NORTH AUSTRALIAN RAILWAY

CRA MINING LEASES

ROAD TO BATCHELOR

l	Pisolitic laterite
q	Quartz in fault zone
qhb	Quartz hematite breccia
Epa	ACACIA GAP QUARTZITE — Pyritic Quartzite
Epi 4	WHITES FORMATION — Chlorite sericite schist
Epi 3	Calcareous amphibolite
Epi 2	Chlorite sepiolite schist
Epi 1	Carbonaceous shale, pyritic
Epc	COOMALIE DOLOMITE — Dolomite, Silicified Dolomite
Epr	CRATER FORMATION — Conglomerate, Arkose, grits
Ar	RUM JUNGLE COMPLEX — Granite, Leucogranite, Gneiss

SCALE 1:5000

100 0 100 200 300 400 500m

Author: M.K. Boots	Date: September 1991	Drawn by: Rudi Rynsbergen

CR92/003 Figure 2

30.000'N

Geophysical Baseline

29.500'N

29.000'N

A

A'

CD137

CD104

DD111

DD104

DD120

122'

235'

DD 228

DD229

120'

20'

346'

486'

315m.

321.3m.(aban.)

Dolomite

Whites Formation

Dolomite

MAIN SHEAR

SHEAR

DD EMB2

DD EMB1

COMPASS RESOURCES NL.
EL4880

CROSS SECTION A-A' BEARING 334°

at 4400'W , Geophysical Grid.

SCALE 1:1000

0 10 20 30 40 50m.

FIGURE 3

Based on TEP cross section 8 &
BMR cross section 10i