CRA EXPLORATION PTY. LIMITED

EL 7/74 MOINA (EXTENSION)

REPORT ON AREA TO BE RELINQUISHED ON

19TH JULY, 1988

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CRAE Report No. 15173

CONTENTS

1. SUMMARY

A detailed programme of gold exploration was carried out in and around the Moina skarns. Twenty-five drill holes were resampled for gold and two diamond drill holes were developed to test potential gold targets. A bedrock soil sampling grid was also established to evaluate stream sediment anomalies in the Isis River area.

In general, the better gold values are restricted to the sphalerite and pyrrhotite skarns. The grades are insufficient to support an independent mining operation for gold but will add value to the skarn mineralisation.

2. INTRODUCTION

This report covers all work carried out in the 9 km^2 extension area of EL 7/74 during the year ending 18th June, 1988.

The extension of term was granted in August, 1987, to allow exploration for gold in the area immediately surrounding the Moina fluorite and sphalerite skarns. Stream sediment sampling and limited re-sampling of selected core intervals during the last official year of the licence had indicated significant concentration of gold in the skarns.

EL 7/74 is subject to a Joint Venture agreement between CRA Exploration Pty. Limited and Billiton Australia (the metals exploration arm of the Shell Company of Australia). The majority of the Licence was relinquished in July, 1987, and CRAE Report No. 14474 provided full details of work carried out in the relinquished area.

3. CONCLUSIONS

The Moina "wrigglite" skarn is a currently uneconomic resource containing 26.5 million tonnes of 18% fluorite with trace amounts of tin and tungsten. A sulphide rich extension of the skarn to the east contains a possible additional resource of 1 million tonnes at 8% zinc.

Erratic gold values from 0.3 to 2 gm/tonne occur within the sulphide rich sections of the skarn and, although this does add value to the mineralisation, the deposit still remains uneconomic under present conditions.

4. RECOMMENDATIONS

1. Apply for a Retention Licence over the 2km^2 area immediately surrounding the Moina "wrigglite" skarns.
2. Continue to monitor new metallurgical technologies which may allow the deposit to be worked.
3. Relinquish the remaining 7 km^2 of EL 7/74.

5. GEOLOGY

The Devonian Dalcoath Granite outcrops to the east of Moina, but an extension of the granite has been intersected in drill holes within the Retention area. The granite has intruded and altered a sequence of Ordovician rocks which include: - the Moina Sandstone - typically, a clean white sandstone containing infrequent shale units and often pyritic in the area around the Dalcoath Granite - and the overlying Gordon Limestone which has in places been completely replaced by fluorite/magnetite or sphalerite/pyrrhotite skarns.

Underlying the Moina Sandstone is the Ordovician Roland Conglomerate, which forms major topographic highs, and Cambrian volcanics of the Fossey Mountain Trough which outcrop in the south east of the area.

Overlying the whole sequence is an intermittent cover of Tertiary basalt and pyroclastics.

The licence is dominated by a south-east trending group of faults, of which the Bismuth Creek Fault is the most significant. The others include Hugo's Fault and Weste's Fault. The Bismuth Creek Fault cuts through the main Moina skarn (at Shepherd and Murphy) and is believed to have a controlling influence on the mineralisation. The geology of the area is summarised on plan TASh 3290.

6. PREVIOUS WORK

The area has been extensively prospected and a number of small mines have been developed. The Department of Mines, Mt. Lyell Mining and Railway Company, Comalco and Shell have drilled a total of 48 holes into the area. The holes were aimed at locating and delineating the extent of skarns (notably the Shepherd and Murphy Wrigglite). These holes were sampled at various intervals and tested for a variety of elements. Most common were Cu, Pb, Zn, Sn, and W but a wide variety of other elements were analysed for on a sporadic basis including Au, Ag and rare earths.

As well as geochemistry on drill core, a grid was cut and C Horizon soil samples were collected at 25 metre intervals. These were analysed for lead and tin and sometimes for other base metals. Rock samples were also collected from numerous outcrops. The attention of CRAE geologists was caught by gold assays in the core and by gold anomalies in -80# and cyanide leach stream sediment samples collected from the creeks draining the skarn area. A summary of the earlier boreholes assays for Au can be found in Appendix 1. Assaying was performed over very irregular intervals and recorded values up to 4.5ppm over 1 metre except for one exceptional figure recorded as 2750ppm over 7.93 metres which is believed to be a typing anomaly. The highest values were found to be in the magnetite skarns with MD39 assaying 11.2 metres at 0.8gm. CRAE elected to systematically sample a number of holes assaying for gold as the primary target.

7. CORE REASSAYING

Re-assaying for gold was done on all or part of twenty five drill holes from representative sections of the skarn bodies. Table 1 lists the intervals, samples and any significant results and the assay ledgers are included in Appendix 2.

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TABLE 1

Drill holes resampled for gold.

HOLE	SAMPLED	DPO	SAMPLE NO'S	SIGNIFICANT RESULTS
DDHML1A	95-867ft	32050	1152702-778	All values below 0.04 ppm Au.
ML2	42- 82m	38736	1654907-927	56-58m 0.1 ppm Au
ML3A	57-778ft	32049	1152601-683	1ppm Au 317-327ft
		32059	1152686-701	2.18ppm Au 486-496ft ?
SMD5	46- 82m	38737	1654928-945	Less than 0.01ppm Au
SMD6	21- 84m	38719	1655001-021	30-84m Average 0.1ppm Au peak value 0.3 33-36m
SMD7	0- 66m	38732	1654946-981	Elevated values 48-56m includes 52-54m @ 1.72ppm Au
	12- 14m	38719	1655025-26	
SMD9	2-130m	38718	1655101-150	Section 96-104m 0.72 to 2.27ppm Au (Pyrrhotite Skarn). 0.49ppm Au 116-118m.
SMD10	38- 94m	38734	1654401-428	Spot values to 0.2ppm
SMD12	91-123m	38735	1654429-444	No significant values
SMD13	0-132m	38711	1655201-266	0.68ppm 34-36 average 0.86ppm Au from 86-102m peak 1.52ppm 96-98m
SMD16	0-171m	32050	1652800-873	2.58ppm Au 38-40m
		32059		0.23-1.07ppm Au 65.6-78.05 (Sphalerite Skarn)
SMD17	24- 44m	38729	1654445-454	No significant values

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HOLE	SAMPLED	DPO	SAMPLE NO'S	SIGNIFICANT RESULTS
SMD24	0-169.8	32059	1152878-960	0.27 to 1.34ppm Au 81.5-92.0
		32056		0.4ppm Au 127.5-129.0
				0.27-1.79ppm Au 144-150m
SMD25	0- 44.8	32059	1152970-987	No significant values
SMD26	2-202	38738	1654455-606	No significant values
SMD27	2- 74	38731	1654554-589	No significant values
SMD29	0-104	38740	1654607-658	Spot values to 0.36ppm Au
SMD31	11- 41	38733	1654982-996	No significant values
SMD33	52- 58	38719	1655022-024	No significant values
SMD37	145-176.5	38739	1654590-605	No significant values
MD39	0-260.4	32059	1152401-495	0.30-1.98ppm Au in interval 190.0-205.0m
		32060		
		32061		0.47ppm Au 215.5-217.0m
		38719	1655027-028	
MD40	94- 98.3	38739	1654810-811	0.18 to 0.34ppm Au
MD41	0-150.7	38741	1654659-732 & 1654809	0.46ppm Au 30-32m 0.39ppm 38-40m
MD42	0-298m	32050	1152501-560	No significant values
LG1	100-124	38739	1654733-744	No significant values

In general the better values occur in the sulphide rock skarns: e.g.

Pyrrhotite Skarn

8m @ 1.5g/t Au from 96m in SMD9.

Sphalerite Skarn

3m @ 2.18g/t Au from 146.6m in LM3A
16m @ 0.86g/t Au from 86m in SMD13
7.1m @ 0.79g/t Au from 65.5m in SMD16
9.5m @ 0.73g/t Au from 81.5m in SMD24
15.0m @ 0.7g/t Au from 190m in SMD39

The oxide facies fluorite skarn gives irregular spotty values generally for 0.2 to 0.4g/t Au in the eastern section of the body.

8. DRILLING

Two holes, DD87M01 and DD87M02 were drilled on the main Moina grid during late November early December, 1987. They were designed to test the Dolcoath Hill Road aeromagnetic anomaly and to test for extensions of the gold bearing sphalerite skarn respectively.

DD87M01

Drillhole DD87M01 was collared on 2000E, 280N and was drilled vertically to a depth of 80.00M. An I.P. survey conducted over the area suggested that a highly chargeable zone existed and ground magnetics indicated that this was underlain by a significant magnetic anomaly. Due to the fact Mr. L.M. Graue holds title to Mining Least 13M/85, it was not possible to collar the hole over the most chargeable portions of the I.P. anomaly. The modelling of the I.P. data suggested the anomaly had considerable down dip extent, in addition to this it was noted that outcropping Moina Sandstone to the south of the drillhole is observed to dip approximately 10° to the north. Hence it was decided to step out to 2000E, 280N where we expected to intersect the chargeable horizon between 30 and 55m down hole. The magnetic anomaly was modelled at approximately 40 metres depth. The drillhole was collared in Moina sandstone and remained in it for the entire length of the hole, see TASh 3682. There were occasional siltstone and argillaceous sandstone interbeds within the medium grained siliceous Moina Sandstone. These interbeds showed bedding to be uniformly orientated at about 50° to the core axis.

This steepening of bedding as you go north is probably due to the fact that as you go north you are moving further away from the hinge line of the approximately east-west trending Dolcoath anticline. Consequently if the chargeable zone is bedding controlled the target may be located below the base of the hole. In order for the chargeable zone to be adequately tested an arrangement should be reached with L.M. Graue to drilltest the I.P. anomaly above the most chargeable and shallowest portion i.e. 2010E 150N. This magnetic anomaly modelled at 40m was attributed to a magnetite rich Quartz-Amphibole-Magnetite-Pyrite skarn encountered between 41.0 and 42.0m.

In summary the drillhole encountered siliceous Moina Sandstone with a strongly developed Vesuvianite-Diopside skarn noted between 5.38 and 6.40m. The Quartz-Amphibole-Magnetite skarn, intersected between 41.0 and 42.0, was the only other zone of strong skarn development. The intervening Moina Sandstone shows evidence of hornfelsing with the amphibole present thought to have replaced diopside. Towards the base of the hole we see some localised replacement of the interstital amphibole by carbonate.

Base metal results were disappointing with maximum copper, lead, zinc values being 260 ppm, 390 ppm and 510 ppm respectively. Gold assays carried out by ALS originally returned 1-4m @ 8.04 ppm, and repeat assays of splits returned similar figures. Little geological justification for these high assays could be seen so the remaining core was split and a 1/4 core sent for a check assay with Comlabs. They reported very low gold values, ie. 0.01 ppm Au. Cross-checking has been initiated but it appears as if ALS introduced some contamination during the primary crushing stage of sample preparation.

DD87M02

Drillhole DD87M02 was designed to test the strike extent of the gold bearing sphalerite skarn intersected in SMD13 and SMD16. The hole was collared on 1550E, 100S and was drilled vertically for 130.5m. The hole was collared in and remained in Moina Sandstone for its entire length. A major fault breccia was noted between 50.1 and 54.2 and is interpreted as being Hugo's Fault. Below this fault breccia is a weak to moderately hornfelsed sequence to Moina Sandstones, see TASh 3683.

At surface, a quartz-arsenopyrite breccia was exposed and sampled, see petrological sample 1651859, DPO 46263. Disseminated arsenopyrite is noted in the core down to a depth of 16 metres. The siliceous Moina Sandstone, intersected between 1.0 and 59.1m, showed evidence of having being strongly strained. Petrographic examination described sutured grain boundaries and extensive re-crystallization. The sandstone contained variable kaolinite. A fault breccia, interpreted as being Hugo's Fault, was present between 50.1m and 54.2m and consisted of a clay rich matrix supporting clasts of Moina Sandstone. Below Hugo's Fault the Moina Sandstone is less deformed but shows an increasing degree of hornfelsing with depth.

Gold assay results were generally below detection limit with a maximum of 0.02 ppm being recorded. Arsenic levels were high, 1750 ppm 1.0-2.0m, near the top of the hole and corresponded to the intervals where arsenopyrite was observed in hand specimen. Base metal values are generally low with maximum values of 830 ppm, 280 ppm and 680 ppm being recorded for copper, lead and zinc respectively.

Zinc levels above Hugo's Fault were at background level 30-280 ppm. It was expected that below Hugo's Fault zinc levels would rise dramatically, however the reverse was found. Between 54 and 92 metres zinc levels were below 11 ppm and generally less than 5 ppm. From 92.0 to 130.5m zinc, iron and manganese levels increase markedly. Examination of the core gave no indication as to why this sudden change in metal levels should occur.

The fact that zinc values below Hugo's Fault were generally below the detection limit tend to support the notion that the sphalerite skarn has been truncated, probably by a fault running parallel to the Bismuth Creek Fault, rather than having lensed out. In either case the absence of sphalerite skarn in DD87MO2 reduces the tonnage potential of this unit to less than a million tonnes.

Detailed logs for both holes are provided in Appendix 3.

9. BEDROCK GEOCHEMICAL SURVEY

Two bedrock geochemical surveys were conducted during the year:

9.1 The Bismuth Creek Survey

The Bismuth Creek Survey was carried out over the trace of the Bismuth Creek fault from line 1200E through to line 2300mE. Best gold values occur in the sphalerite skarn adjacent to the fault and it was thought the Bismuth Creek fault could be a controlling feature for gold mineralisation. A number of I.P. chargeability zones and ground magnetic anomalies are located close to the fault, but no significant geochemical response was associated with any of the zones and the gold values were all extremely low.

Geochemical results are shown on Plans TASh 3454 and 3469-3471 and ledgers are provided in Appendix 5.

9.2 Isis River Survey

Only limited work had previously been carried out to the west of the Isis River in the Stormont Creek area. Shell had previously obtained rock samples with gold values to 0.5 g/t Au and a bedrock geochemical survey was carried out to evaluate the area. 300 samples were collected on seven 100m spaced lines.

Geochemical response was again very low although 4 adjacent samples on line 1300 west returned values from 02.4-0.56 ppm Au. This area is midway between holes DOM2 and 3, both of which returned only trace gold in previous geochemical sampling. The line runs almost along a basalt contact and the gold could be related to alluvial concentrations.

Geochemical results as shown on Plans TASh 3547 - 3550 and ledgers are provided in Appendix 6.

10. GEOPHYSICS

A study of the Shell 1981 aeromagnetic survey revealed a number of anomalies which had not previously been followed up. These were marked in order of likely significance and the results of initial follow up were provided in CRAE Report 14475.

One of these anomalies was thought to be of special significance - anomaly 28 or the Dolcoath Road aeromgnetic anomaly. The anomaly is directly along strike from the sphalerite skarn and was also coincident with a major I.P. anomalous zone. T. Von Strokirch, the District Geophysicist, reported:

"Anomaly 28 was a subtle feature lying close to the Dolcoath Hill Road. It consists on the aeromgnetic map of an anomaly of approximately 100nT amptitude which strikes east-west. On the aeromagnetics the anomaly is poorly defined and may be due to a number of sources. However, the data over the western end of the anomaly was modelled as a single dipping tabular body. A shallow dip to the north was derived with the top of the body estimated as close to the surface.

Five ground magnetic traverses were completed across the body. On lines 100E and 2200E a well defined narrow magnetic anomaly was detected. This body was modelled as dipping at 10 degrees to the north and coming to within 5 metres of the surfce. This dip agrees well with that mapped for the Ordovician in this area. The other three lines also displayed magnetic anomalies, however these were not as well defined and showed evidence of being faulted out or otherwise being discontinuous and thus difficult to model.

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As up to 2 ppm gold has been recorded in pyrrhotite in the nearby Moina skarns and as pyrite veins from the Higgs Mine to the south of the grid has assayed 12 ppm gold, evidence of a weakly (compared to magnetite) magnetic source within the stratigraphy was sufficient reason for further follow up.

In order to define a possible sulphidic horizon within the Ordovician Moina Sandstone an I.P. survey was commissioned. Solo Geophysics were employed to conduct the survey.

Five traverses of dipole dipole were completed over the Dolcoath Road magnetic anomaly. An electrode spacing of 50m was used. Survey specifications can be seen on the profiles. Following the detection of anomalies Schlumberger soundings were completed on lines 2100E and 2200E.

The results of the dipole dipole were broadly similar to the magnetic survey. The best defined anomalies were once again on lines 2100E and 2200E with less well defined but still strongly chargeable zones occurring on the other lines. Using the Resip I.P. forward modelling programme, a response can be obtained using two chargeable horizons which dip shallowly to the north. The model used a dip of 14 degrees which is somewhat greater than that of the modelling program. Use of the correct figure would be likely to remove the slight inconsistencies in the response at the northern end of the profile.

Of the two chargeable bodies, the lower of them appears to almost coincide with the magnetic anomaly. Hence the upper source is likely to be due to pyrite (which is only slightly magnetic) or to graphitic material. Fortunately the possibilities of a major graphitic unit seems to be discounted by the lack of a corresponding resistivity low. A low is present but it has a different attitude and hence a different source to the chargeability anomaly.

Much of the anomaly, including the ground projection of the source, lies within the Mining Licence of L.M. Graue. The only exception is the anomaly on line 2000E which appears to be centred at 1250N and falls within our ground. This anomaly does not have complete coverage so detailed interpretation of dip is not possible. It does not continue from the anomaly recorded on lines 2100E and 2200E but appears to be a separate entity. If interesting results are received following drill testing of the main anomaly, further I.P. should be considered.

While the top of the anomaly lies inside L.M. Graue's M.L. the shallow nature of the dip makes it possible to drill test the anomaly on our ground. The I.P. modelling indicates that the chargeable source has considered down dip extent well outside the M.L. Hence it is proposed that the anomaly be tested and if significant results are obtained, negotiations with M.L. holder should be commenced.

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Another interesting feature of the survey is the highly resistive horizon which roughly coincides with a line of old Bi/W mines. The mineralisation occurs associated with quartz veining. Presumably this quartz veining results from a localised injection of fluids producing more resistive rocks. Where the complete anomaly is visible the resistive zone also appears to dip at a low angle to the north.

This anomaly was drilled at DD87M01 in November - December 1987.

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REFERENCES

Von Strokirch, T.	1987	EL 7/74 Moina Progress Report on Exploration During the 12 Months to 18th June, 1987. CRAE Report No. 14475

LOCATION

Burnie	1:250,000	Sk5503

KEYWORDS

Geochemistry - bedrock, Geophysical - Magnetics, I.P. Drilling - Diamond, Base Metals, Gold, Ordovican, Limestone.

LIST OF PLANS

Plan No.	Title	Scale
TASh 3401	Moina EL 7/74 Location Plan	1:1,000,000
TASh 3467	Moina EL 7/74 Location Plan Area to be relinguished and area retained as R.L.	1:25,000
TASh 3290	Moina EL 7/74 Moina Prospect Geological Plan	1:10,000

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TASh 3225	Moina EL 7/74 Moina Prospect Grid and Drill Hole Location Plan	1:10,000
TASh 3512	Moina EL 7/74 Moina Prospect Proposed Drill Hole Locations	1:10,000
TASh 3682	Moina EL 7/74 DD87M01 2000E Section	1:500 ✓
TASh 3683	Moina EL 7/74 DD87M02 1550E Section	1:500
TASh 3454	Moina EL 7/74 Moina Prospect Geochemical Sample No. Location	1:5,000
TASh 3469	Moina EL 7/74 Moina Prospect Geochemistry Cu, Pb, Zn	1:5,000
TASh 3470	Moina EL 7/74 Moina Prospect Geochemistry Bi, ~~Ag~~ As, Au	1:5,000
TASh 3471	Moina EL 7/74 Moina Prospect Geochemistry Mn, Fe, Ag	1:5,000
TASh 3547	Moina EL 7/74 Isis River Soil Geochemistry Sample No. Location Plan	1:5,000
TASh 3548	Moina EL 7/74 Isis River Soil Geochemistry Cu, Pb, Zn	1:5,000
TASh 3549	Moina EL 7/74 Isis River Soil Geochemistry Bi, Ag, Au	1:5,000
TASh 3550	Moina EL 7/74 Isis River Soil Geochemistry Fe, Mn, Mo	1:5000
TASh 3530	Moina EL 7/74 Dolcoath Road Grid Chargeability Contours	1:5,000
TASh 3531	Moina EL 7/74 Colcoath Road Grid I.P. Survey Anomaly Positions	1:5,000
TASh 3505	Moina EL 7/74 Dolcoath Road Grid I.P. Traverse line 2000E	1:2,500
TASh 3506	Moina EL 7/74 D-R-G-I.P. Traverse Line 2100E	1:2,500
TASh 3507	Moina EL 7/74 D-R-G I.P. Traverse Line 2200E	1:2,500
TASh 3508	Moina EL &/74 D-R-G I.P. Traverse Line 2300E	1:2,500

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TASh 3509	Moina EL 7/74 D-R-G I.P. Traverse Line 2400E	1:2,500
TASh 3532	Moina EL 7/74 D-R-G Chargeability Anomaly Line 2100E Computer Model	1:2,500

LIST OF APPENDICES

APPENDIX 1

PREVIOUS GOLD RESULTS SUMMARY

MOINA SN-W-F DEPOSIT

DRILLHOLE Au ASSAYING

Drill Hole	Total Depth (m)	Au Assaying (m)	Assay Interval (m)	Results (ppm)	Comments
MD 32	152.4	0.00-154.40	max 7.30 min 0.26 ~1.0m	<0.01-0.19	Elevated Au associated with magnetite skarn
MD 33	163.60	44.40-163.60	max 6.46 min 0.36 ~2.0m	<0.01-0.06	Elevated Au associated with magnetite skarn
MD 34	196.0	23.95-196.0	max 10.00 min 0.02 ~3.0m	<0.01-0.12	
MD 35	161.40	4.00-161.40	max 7.45 min 0.95 ~2.0m	<0.01-0.42	
MD 36	170.50	122.20-170.50	max 6.25 min 0.80 ~2.0m	<0.01-0.02	
MD 37	176.60	153.56-155.00	1.44	<0.01	
MD 37		158.68-160.90	2.22	0.03	
MD 37		163.42-164.68	1.26	0.04	
MD 38	263.1	94.95-95.35	0.40	<0.01	
MD 38		178.80-180.60	0.80	<0.01	
MD 38		188.80-201.50	~2.0m	<0.01	
MD 38		214.50-222.20	~2.5m	<0.01	
MD 38		243.20-243.90	0.70	0.06	Chlorite skarn
MD 39	260.4	0.00-80.00	~10.0m	<0.05-0.05	
MD 39		145.50-202.00	~1.5m	<0.05-1.85	Incorporates 5.0m at 1.1gm and 11.2m at 0.8gm within magnetite rich skarns
MD 39		222.60-224.85	1.1	<0.01	
MD 39		228.00-232.40	~2.2m	<0.01	
MD 39		241.60-243.15	1.55	<0.01	

MOINA SN-W-F DEPOSIT

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Drill Hole	Total Depth (m)	Au Assaying (m)	Assay Interval (m)	Results (ppm)	Comments
MD 40	158.0	11.70-12.90	1.2	0.1	
MD 40		14.20-15.40	1.2	0.1	
MD 40		15.90-18.70	1.9 & 0.9	0.05	
MD 40		20.00-21.00	1.0	<0.05	
MD 40		21.80-22.80	1.0	0.10	
MD 40		23.50-24.50	1.0	0.10	
MD 40		26.20-26.80	0.6	0.10	
MD 40		31.40-32.60	1.2	0.05	
MD 40		37.40-38.40	1.0	0.05	
MD 40		41.30-42.20	0.9	0.05	
MD 40		45.60-47.60	2.0	0.05	
MD 40		52.70-53.20	0.5	0.05	
MD 40		56.10-56.60	0.5	0.10	
MD 40		60.60-61.30	0.9	0.15	
MD 40		64.50-65.80	1.3	0.05	
MD 40		70.10-71.10	1.0	0.05	
MD 40		74.50-75.90	1.5	<0.05	
MD 40		81.60-81.90	0.3	<0.05	
MD 40		85.20-86.50	1.3	<0.05	
MD 40		88.80-97.40	~1.5	<0.05-1.15	
MD 40		98.30-100.80	0.3 & 2.20	0.10	) Magnetite
MD 40		103.60-105.40	0.4 & 1.40	<0.05-0.05	) rich
MD 40		106.80-116.40	~1.5	<0.05	) skarn
MD 40		116.90-140.00	max 5.10 min 0.70 ~3.5m	<0.05-0.10	
MD 40		145.0-150.0	5.0	<0.05	

DRILLHOLE Au ASSAYING

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Drill Hole	Total Depth (m)	Au Assaying (m)	Assay Interval (m)	Au ppm	Comments
MD 41	150.7	NIL	-		
MD 42	208.0	127.0-129.0	2.0	<0.05	
MD 42		143.0-145.0	2.0	<0.05	
MD 42		151.0-158.0	7.0	<0.05	
MD 42		135.0-137.0	2.0	<0.05	
MD 42		160.0-162.5	2.5	<0.05	
MD 42		164.60-171.10	1.0-2.3	<0.05	)
MD 42		174.10-176.00	1.90	<0.05	) Magnetite
MD 42		178.50-179.50	1.0	<0.05	) rich
MD 42		184.45-184.95	0.5	<0.05	) skarn
MD 42		188.20-188.80	0.6	<0.05	)
MD 42		192.60-197.00	2.6 & 1.8	<0.05	
MD 43	325.0	NIL	-	-	
ML 1.A	265.50	24.70-68.60	43.90	0.01	
ML 2	335.30	37.65-43.30	5.65	0.01	
ML 2		43.30-82.93	39.63	0.10	
ML 2		82.93-102.13	19.20	0.02	
ML 3.A	260.30	104.27-115.09	10.82	0.015	
ML 3.A		108.23-108.38	0.15	0.084	
ML 3.A		115.09-123.02	7.93	2750.000 (??)	
ML 3.A		123.02-145.73	22.71	0.09	
ML 3.A		124.08-124.23	0.15	0.036	
ML 3.A		138.87-139.02	0.15	0.012	
ML 3.A		144.36-144.51	0.15	0.040	
ML 3.A		145.73-196.65	50.92	0.12	

DRILLHOLE Au ASSAYING

Drill Hole	Total Depth (m)	Au Assaying (m)	Assay Interval (m)	Results (ppm)	Comments
SMD 4	109.25	68.37-107.5	<1.5	max 0.15 AAS	
SMD 5	81.15	39.80-40.67	0.87	0.10 AAS	
SMD 5		43.00-44.00	1.00	0.05 AAS	
SMD 5		47.50-48.85	1.35	0.05 AAS	
SMD 5		52.80-53.30	0.50	<0.05 AAS	
SMD 6	102.5	NIL	-	-	
SMD 7	71.50	NIL	-	-	
SMD 8	60.80	NIL	-	-	
SMD 9	129.70	NIL	-	-	
SMD 10	117.50	NIL	-	-	
SMD 11	120.00	NIL	-	-	
SMD 12	123.25	NIL	-	-	
SMD 13	182.5	7.00-11.00	2.0	<0.05	) High Au associated
SMD 13		35.00-37.50	~1.0	<0.05-4.5	) with magnetite-
SMD 13		80.00-134.00	~1.0	<0.05-1.80	) chlorite skarn and
SMD 13		176.00-178.00	1.0	<0.05	) Zn rich skarn
SMD 15	116.12	NIL	-	-	
SMD 16	171.00	NIL	-	-	Passed through Zn rich skarn and magnetite-chlorite skarn. Needs assaying for Au
SMD 17	74.15	NIL	-	-	
SMD 20	94.75	NIL	-	-	
SMD 21	155.25	NIL	-	-	
SMD 22	110.00	NIL	-	-	Minor sphalerite in core
SMD 23	37.00	NIL	-	-	

MOINA SN-W-F DEPOSIT

021 769022 DRILLHOLE Au ASSAYING

Drill Hole	Total Depth (m)	Au Assaying (m)	Assay Interval (m)	Results (ppm)	Comments
SMD 24	169.80	29.35-29.70	0.35	<0.05	
SMD 24		46.75-48.05	1.30	<0.05	
SMD 24		84.20-86.25	2.05	0.55	
SMD 24		101.00-104.25	3.25	<0.05	
SMD 24		108.20-110.25	2.05	<0.05	
SMD 24		112.90-113.95	1.05	<0.05	
SMD 24		136.25-138.25	2.00	<0.05	
SMD 24		159.10-159.00	1.30 & 2.00	<0.05	
SMD 25	44.80	NIL	-	-	Hole abandoned due to drilling problems
SMD 26	201.60	NIL	-	-	
SMD 26.A	13.50	NIL	-	-	
SMD 27	73.50	NIL	-	-	
SMD 28	101.00	NIL	-	-	
SMD 29	122.5	NIL	-	-	
SMD 30	127.0	NIL	-	-	
SMD 31	41.40	9.50-24.00	1.00 & 2.00	<0.05-0.15	
SMD 31		30.40-31.40	1.00	<0.05	
SMD 31		32.30-34.00	1.70	<0.05	

APPENDIX 2

DRILLHOLE SAMPLE RE-ASSAY LEDGERS

CRA EXPLORATION PTY. LTD.

769024

SAMPLE NUMBER	DDH ML 1A INTERVAL (in Feet)		Sample Type	ANALYSES Cu	Pb	Zn						Au ppm		Geological Observations
1152702	95	110	¼ split core									0·04		
703	110	115	"									0·01		
704	115	125	"									0·02		
705	125	130	"									0·02		
706	130	160	"									0·01		
707	160	165	"									0·01		
708	165	180	"									0·01		
709	180	185	"									0·04		
710	185	190	"									0·01		
711	190	200	"									0·02		
712	200	210	core grinds									0·02	0·01	
713	210	220	"									0·01	0·01	
714	220	230	"									0·10		
715	230	240	"									0·04		
716	240	250	"									0·03		
717	250	260	"									0·01		
718	260	270	"									0·01		
719	270	280	"									0·01		
720	280	290	"									0·01		
1152721	290	300	"									0·01		
DETECTION LIMIT												0·01		
ANALYTICAL METHOD												PM 209		

5 cm

Project: SHEFFIELD - MOINA

1:250 000 Sheet: BURNIE AMG Zone

Sheet No: 1.

Tenement: MOINA EL 7/74

DPO's: 32050

Laboratory: ALS BRISBANE

Area / Prospect: SHEPHERD + MURPHY MINE

Collected By: BGF Date

769025

CRA EXPLORATION PTY. LTD.

SAMPLE NUMBER	DDH ML 1A INTERVAL (in feet)		Sample Type	ANALYSES Cu	Pb	Zn						Au ppm		Geological Observations
1152722	300	310	core: grinds									0·01		
723	310	320	"									0·01		
724	320	330	"									0·01		
725	330	340	"									0·01		
726	340	350	"									0·01		
727	350	360	"									0·01		
728	360	370	"									0·01	0·01	
729	370	380	"									0·01		
730	380	390	"									0·01	0·01	
731	390	400	"									0·01		
732	400	410	"									0·01		
733	410	420	"									0·02		
734	420	430	"									0·01		
735	430	440	"									0·01		
736	440	450	"									<0·01		
737	450	460	"									0·02	<0·01	
738	460	470	"									0·02		
739	470	480	"									0·01		
740	480	490	"									0·01		
1152741	490	500	"									0·01		
DETECTION LIMIT												0·01		
ANALYTICAL METHOD												PM 209		

5 cm

Project: SHEFFIELD - MOINA
1:250,000 Sheet: BURNIE AMG Zone
Sheet No: 2.
Tenement: MOINA EL 7/74
OPO's: 32050
Laboratory: ALS BRISBANE
Area / Prospect: SHEPHERD + MURPHY MINE
Collected By: BGF Date

024

769026

CRA EXPLORATION PTY. LTD.

DDH ML 1A

SAMPLE NUMBER	INTERVAL (in feet)		Sample Type	Cu	Pb	Zn						Au ppm		Geological Observations
1152742	500	510	core grinds									0·01		
743	510	520	"									0·01	0·02	
744	520	530	"									<0·01		
745	530	540	"									0·02		
746	540	550	"									0·01		
747	550	560	"									0·01		
748	560	570	"									0·02		
749	570	580	"									0·02		
750	580	590	"									0·05		
751	590	600	"									0·02		
752	600	610	"									0·02		
753	610	620	"									0·01		
754	620	630	"									0·02		
755	630	640	"									0·01		
756	640	650	"									0·01		
757	650	660	"									0·02		
758	660	670	"									0·01		
759	670	680	"									0·01		
760	680	690	"									0·03		
1152761	690	700	"									0·01		
DETECTION LIMIT												0·01		
ANALYTICAL METHOD												PM 209		

5 cm

Project: SHEFFIELD - MOINA

1 : 250 000 Sheet: BURNIE AMG Zone

Sheet No: 3.

Tenement: MOINA EL 7/74

DPG's: 32050

Laboratory: ALS BRISBANE

Area / Prospect: SHEPHERD + MURPHY MINE

Collected By: BGF Date

025

CRA EXPLORATION PTY. LTD.

769027

SAMPLE NUMBER	DDH ML 1A INTERVAL (in feet)		Sample Type	ANALYSES Cu	Pb	Zn					Au ppm		Geological Observations
1152762	700	710	core grinds								0·02		
763	710	720	"								0·01		
764	720	730	"								0·01		
765	730	740	"								0·02		
766	740	750	"								0·02	<0·01	
767	750	760	"								<0·01	<0·01	
768	760	770	"								0·01		
769	770	780	"								<0·01		
770	780	790	"								0·01		
771	790	800	"								<0·01		
772	800	810	"								0·02		
773	810	820	"								<0·01		
774	820	830	"								<0·01		
775	830	840	"								<0·01		
776	840	850	"								<0·01		
777	850	860	"								0·02		
1152778	860	867	"								0·03		
DETECTION LIMIT											0·01		
ANALYTICAL METHOD											PM 209		

5 cm

Project: SHEFFIELD - MOINA

1:250 000 Sheet: BURNIE AMG Zone

Sheet No: 4.

Tenement: MOINA EL 7/74

DPD's: 32050

Laboratory: ALS BRISBANE

Area / Prospect: SHEPHERD + MURPHY MINE

Collected By: BGF Date

769028

026

C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

SHEET No. .....
TENEMENT NAME MOINA No. 7174
PLAN – MAP REFERENCE BYRNIE SH. 55-3
CO-ORDINATES ..... AZIMUTH ..... DRILLERS ..... COMMENCED ..... DEPTH ..... HOLE No. MH2
RL COLLAR ..... INCLINATION ..... DRILL TYPE ..... COMPLETED ..... CASING LEFT ..... DPO No(s) 38736

DEPTH From (M)	DEPTH To (M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ALS (BRIS)) Au ppm PM209	AUR	PPM	PM 209
						1654908	42	44		<0.01			
						909	44	46		<0.01			
						910	46	48		0.01			
						911	48	50		<0.01			
						912	50	52		0.07			
						913	52	54		0.01			
						914	54	56		0.01			
						915	56	58		0.10	0.07		
						916	58	60		<0.01			
						917	60	62		<0.01			
						918	62	64		<0.01			
						919	64	66		<0.01			
						920	66	68		0.02			
						921	68	70		0.07			
						922	70	72		<0.01			
						923	72	74		<0.01	0.01		
						924	74	76		<0.01	<0.01		
						925	76	78		0.08			
						926	78	80		0.02			
						927	80	82		<0.01			
					Det Limit				0.01				
					Units								

027

CRA EXPLORATION PTY. LTD.

769029

SAMPLE NUMBER	DDH ML3A INTERVAL (in Feet)		Sample Type	ANALYSES Cu	Pb	Zn						Au ppm		Geological Observations
1152601	57	67	core grind									0·01		
602	67	77	"									0·01		
603	77	87	"									<0·01		
604	87	97	"									0·08		
605	97	107	"									0·03		
606	107	117	"									0·02		
607	117	127	"									0·01		
608	127	137	"									0·02		
609	137	147	"									0·01		
610	147	157	"									0·04	0·03	
611	157	167	"									0·03		
612	167	177	"									0·03		
613	177	187	"									0·05		
614	187	197	"									0·02		
615	197	207	"									0·02		
616	207	217	"									0·02		
617	217	227	"									0·03		
618	227	237	"									0·02		
619	237	247	"									0·02		
1152620	247	257	"									0·02		
DETECTION LIMIT												0·01		
ANALYTICAL METHOD												PM 209		

5 cm

Project	SHEFFIELD - MOINA	1 : 250 000 Sheet	BURNIE AMG Zone
Tenement	MOINA EL 7/74	DPO's	32049
Area / Prospect	SHEPHERD + MURPHY MINE		
Sheet No	1.		
Laboratory	ALS BRISBANE		
Collected By	B&F	Date	

028

CRA EXPLORATION PTY. LTD.

769030

SAMPLE NUMBER	DDH ML 3A INTERVAL (in feet)		Sample Type	ANALYSES Cu	Pb	Zn						Au ppm		Geological Observations
1152621	257	267	core grind									0·03		
622	267	277	"									0·02		
623	277	287	"									0·08		
624	287	297	"									0·02		
625	297	307	"									0·03		
626	307	317	"									0·10		
627	317	327	"									0·95	1·08	
628	327	337	"									0·09		
629	337	346	"									<0·01		
630	346	351	¼ split core									0·08		
631	351	356	"									0·08		
632	356	361	"									0·08		
633	361	366	"									0·06		
634	366	371	"									0·06		
635	371	376	"									0·08		
636	376	381	"									0·04		
637	381	386	"									0·04		
638	386	391	"									0·04		
639	391	396	"									0·04		
1152640	396	401	"									0·04		
DETECTION LIMIT												0·01		
ANALYTICAL METHOD												PM209		

5 cm

Project: SHEFFIELD - MOINA
1:250 000 Sheet: BURNIE
AMG Zone:
Sheet No: 2.

Tenement: MOINA EL 7/74
DPO's: 32049
Laboratory: ALS BRISBANE

Area / Prospect: SHEPHERD + MURPHY MINE
Collected By: BGF
Date:

029

CRA EXPLORATION PTY. LTD.

769031

SAMPLE NUMBER	DDH ML 3A INTERVAL (in feet)		Sample Type	ANALYSES Cu	Pb	Zn						Au ppm		Geological Observations
1152641	401	406	¼ split core									0·04		
642	406	411	"									0·08		
643	411	416	"									0·01		
644	416	421	"									0·18	0·16	
645	421	426	"									0·06		
646	426	431	"									0·08	0·08	
647	431	436	"									0·06	0·06	
648	436	441	"									0·06	0·07	
649	441	446	"									0·08		
650	446	451	"									0·06		
651	451	456	"									0·06		
652	456	461	"									0·04		
653	461	466	"									0·06		
654	466	471	"									0·06		
655	471	476	"									0·06		
656	476	481	"									0·01		
657	481	486	"									0·04		
658	486	491	"									2·18		
659	491	496	"									0·04		
1152660	496	501	"									0·05		
DETECTION LIMIT												0·01		
ANALYTICAL METHOD												PM 209		

5 cm

Project SHEFFIELD - MOINA

1 : 250 000 Sheet BURNIE AMG Zone

Sheet No 3.

Tenement MOINA EL 7/74

DPO's 32049, 32059

Laboratory ALS BRISBANE

Area / Prospect SHEPHERD + MURPHY MINE

Collected By BGF Date

080

CRA EXPLORATION PTY. LTD.

769032

SAMPLE NUMBER	DDH ML 3A INTERVAL (in feet)		Sample Type	ANALYSES Cu	Pb	Zn						Au ppm	Geological Observations
1152661	501	506	¼ split core									0·02	
662	506	511	"									0·01	
663	511	516	"									0·02	
664	516	521	"									0·01	
665	521	526	"									0·01	
666	526	531	"									0·03	
667	531	536	"									0·02	
668	536	541	"									0·03	
669	541	546	"									0·04	
670	546	551	"									0·01	
671	551	556	"									0·02	
672	556	561	"									<0·01	
673	561	566	"									0·02	
674	566	571	"									0·01	
675	571	576	"									0·01	
676	576	581	"									0·01	
677	581	586	"									0·01	
678	586	591	"									0·01	
679	541	596	"									0·01	
1152680	596	601	"									0·01	
DETECTION LIMIT												0·01	
ANALYTICAL METHOD												PM 209	

5 cm

Project: SHEFFIELD - MOINA

1:250 000 Sheet: BURNIE AMG Zone

Sheet No 4.

Tenement: MOINA EL 7/74

DPO's 32059

Laboratory: ALS BRISBANE

Area / Prospect: SHEPHERD + MURPHY MINE

Collected By: BGF Date

031

CRA EXPLORATION PTY. LTD.

769033

SAMPLE NUMBER	DDH ML 3A INTERVAL (in feet)		Sample Type	ANALYSES Cu	Pb	Zn						Au ppm		Geological Observations
1152681	601	606	¼ split core									<0·01		
682	606	611	"									0·01	0·01	
683	611	615	"									0·01	0·01	
—														
1152686	615	625	core grind									<0·01		
687	625	635	"									<0·01		
688	635	645	"									0·02		
689	645	655	"									0·01		
690	655	665	"									0·01		
691	665	675	"									0·01		
692	675	685	"									0·01		
693	685	695	"									0·04		
694	695	705	"									0·03		
695	705	715	"									0·03		
696	715	725	"									0·01		
697	725	735	"									0·01		
698	735	745	"									0·02		
699	745	755	"									0·01		
1152700	755	765	"									<0·01		
701	765	778	"									0·01	0·01	
DETECTION LIMIT												0·01		
ANALYTICAL METHOD												PM 209		

5 cm

Project SHEFFIELD - MOINA

1:250 000 Sheet BURNIE AMG Zone

Sheet No 5

Tenement MOINA EL 7/74

DPD's 32059, 32049

Laboratory ALS BRISBANE

Area / Prospect SHEPHERD + MURPHY MINE

Collected By BGF Date

002

769034
SHEET No.

C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

TENEMENT NAME MOINA No. 7174
PLAN – MAP REFERENCE RVANIE SK 55-3
CO-ORDINATES AZIMUTH DRILLERS COMMENCED DEPTH HOLE No. SMD5
RL COLLAR INCLINATION DRILL TYPE COMPLETED CASING LEFT DPO No(s) 38737

DEPTH From (M)	DEPTH To (M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ALS (BRIS) Au PPM PPM30g	Au PPM
					NQ HALF core sample	1654928	46	48		<0.01	
						929	48	50		<0.01	
						930	50	52		<0.01	
						931	52	54		<0.01	<0.01
						932	54	56		<0.01	
						933	56	58		<0.01	
						934	58	60		<0.01	
						935	60	62		<0.01	<0.01
						936	62	64		<0.01	
						937	64	66		<0.01	
						938	66	68		<0.01	
						939	68	70		<0.01	
						940	70	72		0.01	
						941	72	74		<0.01	
						942	74	76		<0.01	
						943	76	78		0.01	
						944	78	80		<0.01	
						945	80	82		<0.01	<0.01
					Det Limit				0.01		
					units						

033

769035

C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

SHEET No. 1

TENEMENT NAME Mona No. 7176

PLAN – MAP REFERENCE

CO-ORDINATES 8605 505 AZIMUTH – DRILLERS COMMENCED DEPTH 102m HOLE No. SMD 6

RL COLLAR INCLINATION -90° DRILL TYPE COMPLETED CASING LEFT DPO No(s) 38719

DEPTH From (M)	DEPTH To(M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ..... Au	Check Au
						1655001	21	24		0.05	
						1655002	24	27		0.05	
						1655003	27	30		0.04	
						1655004	30	33		0.10	
						1655005	33	36		0.30	
						1655006	36	39		0.10	
						1655007	39	42		0.10	
						1655008	42	45		0.08	
						1655009	45	48		0.07	
						1655010	48	51		0.08	
						1655011	51	54		0.11	
						1655012	54	57		0.08	
						1655013	57	60		0.15	
						1655014	60	63		0.09	
						1655015	63	66		0.15	0.16
						1655016	66	69		0.10	
						1655017	69	72		0.10	
						1655018	72	75		0.07	
						1655019	75	78		0.09	
						1655020	78	81		0.06	
						1655021	81	84		0.12	0.13
					Det. limit				0.01	0.01	
					UNITS				ppm		

034

769036

C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

SHEET No. 1

TENEMENT NAME MOINA No. 7174

PLAN – MAP REFERENCE RUANIC SK 55-3

CO-ORDINATES ..... AZIMUTH ..... DRILLERS ..... COMMENCED ..... DEPTH ..... HOLE No. SMD 7

RL COLLAR ..... INCLINATION ..... DRILL TYPE ..... COMPLETED ..... CASING LEFT ..... DPO No(s) 38732

DEPTH From (M)	DEPTH To (M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ALS (BRIS)) Au ppm FM 309	Au R ppm
					BAD Recovery BQ HALF C S	1654946	0	8		0.07	
					No 4 core sample	950	8	10		0.11	
						951	10	12		0.05	
						952	12	14		0.01	
						953	14	16		0.12	
						954	16	18		0.01	
						955	18	20		<0.01	
						956	20	22		0.01	
						957	22	24		0.01	
						958	24	26		0.05	
						959	26	28		0.08	0.10
						960	28	30		0.01	
						961	30	32		0.01	
						962	32	34		<0.01	
						963	34	36		0.02	0.02
						964	36	38		0.05	
						965	38	40		0.11	
						966	40	42		0.11	
						967	42	44		0.05	
						968	44	46		0.07	
						969	46	48		0.07	0.08
						970	48	50		0.10	
						971	50	52		0.32	
						972	52	54		1.72	
						973	54	56		0.12	
						974	56	58		0.01	
						975	58	60		<0.01	
						976	60	62		<0.01	
						977	62	64		<0.01	
						978	64	66		<0.01	

035

769037

C.R.A. EXPLORATION PTY. LIMITED

DRILL CORE LOG

SHEET No. 2

TENEMENT NAME MOINA No. 7174

PLAN – MAP REFERENCE RUNNIE SK: 55-3

CO-ORDINATES ..... AZIMUTH ..... DRILLERS ..... COMMENCED ..... DEPTH ..... HOLE No. SMD 7

RL COLLAR ..... INCLINATION ..... DRILL TYPE ..... COMPLETED ..... CASING LEFT ..... DPO No(s) .....

DEPTH From (M)	DEPTH To (M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ALS (BRIS)) Au ppm 0m 209	Au AVR ppm
					NQ ½ core SAMPLE	V654979	66	68		<0.01	
						980	68	70		<0.01	<0.01
						981	70	72		<0.01	
					De T Limit units				0.01		

C. 036

769038

C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

SHEET No. 01

TENEMENT NAME MOINA No. 717

PLAN – MAP REFERENCE

CO-ORDINATES 975E 90N AZIMUTH – DRILLERS COMMENCED DEPTH 71m HOLE No. SM07

RL COLLAR INCLINATION -90 DRILL TYPE COMPLETED CASING LEFT DPO No(s) 38719

DEPTH From (M)	DEPTH To(M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ALS (BRIS)) Pt	Pd	Au	Au CHECK
						1655025	10	12		<10	<10	0.18	0.19
						26	12	14		<10	<10	0.10	0.10
					Det limit					10	10	0.01	0.01
					UNITS					ppb		ppm	

097

C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

769039 SHEET No. 1

TENEMENT NAME MOINA No. 7/7

PLAN – MAP REFERENCE

CO-ORDINATES 150E 100S AZIMUTH — DRILLERS COMMENCED DEPTH 130 m HOLE No. SMD 9

RL COLLAR INCLINATION -90° DRILL TYPE COMPLETED CASING LEFT DPO No(s) 38718

DEPTH From (M)	DEPTH To(M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ALS) Au	Check Au
						165101	0	12		0.19	
						102	12	14		0.07	
						103	14	16		0.07	
						104	16	18		0.03	
						105	18	20		0.10	
						106	20	22		0.02	
						107	22	24		0.02	
						108	24	26		0.02	
						109	26	28		0.02	0.02
						110	28	30		0.03	
						111	30	32		0.02	
						112	32	34		0.02	
						113	34	36		0.01	
						114	36	38		0.02	
						115	38	40		0.02	
						116	40	42		0.02	
						117	42	44		0.02	
						118	44	46		0.02	
						119	46	48		0.02	
						120	48	50		0.01	
						121	50	52		0.02	
						122	52	54		0.02	
						123	54	56		0.02	
						124	56	58		0.02	
						125	58	60		0.02	
						126	60	62		0.02	0.02
						127	62	64		0.02	0.02
						128	64	66		0.03	
						129	66	68		0.02	
						130	68	70		0.02	
										ppm	

(033

C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

769040 SHEET No. 2

TENEMENT NAME Mona No. 7/79

PLAN – MAP REFERENCE

CO-ORDINATES 150E 1005 AZIMUTH — DRILLERS COMMENCED DEPTH 130 ~ HOLE No. SMD 9

RL COLLAR INCLINATION -90° DRILL TYPE COMPLETED CASING LEFT DPO No(s) 38718

DEPTH From (M)	DEPTH To (M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ACS) Au	Check Au	Pt	Pd
						165513	70	72		0.01			
						132	72	74		0.02			
						133	74	76		0.02			
						134	76	78		0.02			
						135	78	80		0.02			
						136	80	82		0.01			
						137	82	84		0.01			
						138	84	86		0.02			
						139	86	88		0.02			
						140	88	90		0.02			
						141	90	92		0.02		<10	<10
						142	92	94		0.10		<10	<10
						143	94	96		0.17		<10	<10
					pyrrhotite Skarn	144	96	98		1.30	1.25	<10	<10
						145	98	100		2.27		<10	<10
						146	100	102		0.72		<10	<10
						147	102	104		1.52		<10	<10
						148	104	106		0.10		<10	<10
						149	106	108		0.07		<10	<10
						150	108	110		0.07		<10	<10
						151	110	112		0.07		<10	<10
						152	112	114		0.09		<10	<10
						153	114	116		0.04		<10	<10
						154	116	118		0.49		<10	<10
						155	118	120		0.04		<10	<10
						156	120	122		0.03		<10	<10
						157	122	124		0.05		<10	<10
						158	124	126		0.02		<10	<10
						159	126	128		0.02		<10	<10
						160	128	130		0.02	0.02	<10	<10

089

C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

769041

SHEET No. 1

TENEMENT NAME MOINA No. 7174

PLAN – MAP REFERENCE RVANIE SK 55-3

CO-ORDINATES ..... AZIMUTH ..... DRILLERS ..... COMMENCED ..... DEPTH ..... HOLE No. SMD 10

RL COLLAR ..... INCLINATION ..... DRILL TYPE ..... COMPLETED ..... CASING LEFT ..... DPO No(s) 38734

DEPTH From (M)	DEPTH To(M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ALS (BRIS)) AU ppm	AUA ppm
					½ core sample BQ →	1654401	38	40		0.02	
					NQ ½ core sample ↓	402	40	42		0.01	
						403	42	44		<0.01	
						404	44	46		0.02	
						405	46	48		0.02	
						406	48	50		0.07	0.08
						407	50	52		0.18	
						408	52	54		0.07	
						409	54	56		0.07	
						410	56	58		0.10	0.08
						411	58	60		0.02	
						412	60	62		0.01	
						413	62	64		0.16	
						414	64	66		0.05	
						415	66	68		0.07	0.05
						416	68	70		0.07	
						417	70	72		0.16	0.12
						418	72	74		0.04	
						419	74	76		0.02	0.03
						420	76	78		0.02	
						421	78	80		0.24	
						422	80	82		0.01	
						423	82	84		0.02	
						424	84	86		<0.01	
						425	86	88		0.12	
					Det Limit	426	88	90		0.16	
					units 0.01	427	90	92		0.22	
						428	92	94		0.01	
						~~429~~					

040

C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

769042

SHEET No. 1

TENEMENT NAME MOINA No. 7174

PLAN – MAP REFERENCE BURNIE SK 55-3

CO-ORDINATES ..... AZIMUTH ..... DRILLERS ..... COMMENCED ..... DEPTH ..... HOLE No. SMD 12

RL COLLAR ..... INCLINATION ..... DRILL TYPE ..... COMPLETED ..... CASING LEFT ..... DPO No(s) 38735

DEPTH From (M)	DEPTH To (M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ALS (BRIS)) AU ppm	AUR ppm
					½ core sample NQ	1654429	91	93		0.02	
						430	93	95		0.02	
						431	95	97		0.05	
						432	97	99		0.10	0.06
						433	99	101		0.06	0.04
						434	101	103		0.08	
						435	103	105		<0.01	
						436	105	107		<0.01	
						437	107	109		<0.01	
						438	109	111		0.01	
						439	111	113		0.01	
						440	113	115		<0.01	
					½ core sample	441	115	117		<0.01	
						442	117	119		<0.01	
						443	119	121		0.01	0.01
						444	121	123		<0.01	
					Det Limit units				0.01		

041

C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

769043 SHEET No. 1

TENEMENT NAME MOINA No. 7/7\

PLAN – MAP REFERENCE

1450E

CO-ORDINATES 505 AZIMUTH 000° DRILLERS COMMENCED DEPTH 132m HOLE No. SMD-13

RL COLLAR INCLINATION 90 DRILL TYPE COMPLETED CASING LEFT DPO No(s) 38711

DEPTH From (M)	DEPTH To(M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ALS) Au	Au check	Pt	Pd
						1655201	0	2		0.01			
						1655202	2	4		0.02			
						1655203	4	6		0.01			
						1655204	6	8		0.01			
						1655205	8	10		0.01			
						1655206	10	12		0.02			
						1655207	12	14		0.02			
						1655208	14	16		0.02			
						1655209	16	18		0.03			
						1655210	18	20		0.03			
						1655211	20	22		0.05			
						1655212	22	24		0.14			
						1655213	24	26		0.04			
						1655214	26	28		0.04			
						1655215	28	30		0.04			
						1655216	30	32		0.03			
						1655217	32	34		0.03			
					Sandstone/Siltstone No sulphides.	1655218	34	36		0.68	0.69	<10	<10
						1655219	36	38		0.07			
						1655220	38	40		0.05			
						1655221	40	42		0.05			
						1655222	42	44		0.04			
						1655223	44	46		0.04			
						1655224	46	48		0.01			
						1655225	48	50		0.01			
						1655226	50	52		0.01			
						1655227	52	54		0.01			
						1655228	54	56		0.01			
						1655229	56	58		0.01			
						1655230	58	60		0.02			
						1655231	60	62		0.02			

042

C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

769044

SHEET No. 2

TENEMENT NAME..... No. .....

PLAN – MAP REFERENCE.....

CO-ORDINATES..... AZIMUTH..... DRILLERS..... COMMENCED..... DEPTH..... HOLE No. SMD-13

RL COLLAR..... INCLINATION..... DRILL TYPE..... COMPLETED..... CASING LEFT..... DPO No(s).....

DEPTH From (M)	DEPTH To(M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by.....) Au	Au check	Pt	Pd					
						1655232	62	64		0-01								
						1655233	64	66		0.01								
						1655234	66	68		0-01								
						1655235	68	70		0-02								
						1656236	70	72		0-02								
						1655237	72	74		0-03								
						1655238	74	76		0-02								
						1655239	76	78		0-02								
						1656240	78	80		0-02	0-02							
						1655241	80	82		0-02	0-02							
						1655242	82	84		0-01								
						1655243	84	86		0-36								
					86·2 – 87·35 Ram Sphal skarn	1655244	86	88		0-70	0-64	<10	<10					
					87·35 – 97·0 Sphal skarn	1655245	88	90		0-80	0-71	20	<10					
					Pt/ppb <10 ; Pd/ppb <10 ; Au/ppm 0·66	1655246	90	92		0-66		<10	<10					
					" <10 ; " <10 ; " 0·99	1655247	92	94		0-99		<10	<10					
						1655248	94	96		1-28	1-27	<10	<10					
					97 – 98·25 97 Skarn (minor sphal)	1655249	96	98		1-52	0-38	<10	<10					
					98·25 – 103·25 Sphal skarn	1655250	98	100		1-12	0-49	<10	<10					
						1655251	100	102		0-32	0-44							
						1655252	102	104		0-04								
						1655253	104	106		0-10								
						1655254	106	108		0-01								
						1655255	108	110		0-02								
						1656256	110	112		0-02								
						1656257	112	114		0-04								
						1655258	114	116		0-03								
						1655259	116	118		0-03								
					Pt/ppb <10 ; Pd/ppb <10 ; Au/ppm 0-16	1655260	118	120		0-16		<10	<10					
						1655261	120	122		0-02								

8.63 1.7 0-8 Au

043

769045

C.R.A. EXPLORATION PTY. LIMITED

DRILL CORE LOG

SHEET No. 3

TENEMENT NAME ..... No. .....

PLAN – MAP REFERENCE .....

CO-ORDINATES ..... AZIMUTH ..... DRILLERS ..... COMMENCED ..... DEPTH ..... HOLE No. SMD-13

RL COLLAR ..... INCLINATION ..... DRILL TYPE ..... COMPLETED ..... CASING LEFT ..... DPO No(s) .....

DEPTH From (M)	DEPTH To (M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ..... Au	Au CHECK	Pt	Pd
						165526**2**	122	124		0·01	0·02		
						165526**3**	124	126		0·02			
						165526**4**	126	128		0·01			
						165526**5**	128	130		0·05			
						165526**6**	130	132		0·03			
						METHOD				PM209 →		← PM217	
						DET. LIMIT				<0·01	<0·01	<10	<10
						UNITS				PPM		PPB	

044

769046

CRA EXPLORATION PTY. LTD.

DDH 77 SMD 16

SAMPLE NUMBER	INTERVAL (in metres)		Sample Type	ANALYSES Cu	Pb	Zn				Pt (ppb)	Pd (ppb)	Au ppm		Geological Observations
1152800	0	3·0	core grind r chips									0·01		
801	3·0	6·0	"									0·04		
802	6·0	9·0	"									0·01		
803	9·0	12·0	"									0·01		
804	12·0	15·0	"									0·01		
805	15·0	18·0	"									0·01		
806	18·0	21·0	"									0·01	0·01	
807	21·0	22·5	¼ split core									0·06		
808	22·5	24·0	"									0·02		
809	24·0	26·27	"									0·03		
810	26·27	28·1	pulps									0·14		
811	28·1	30·22	"									0·02		
812	30·22	32·0	"									0·02		
813	32·0	34·0	"									0·01		
814	34·0	36·0	"									0·03		
815	36·0	38·0	"									0·03		
816	38·0	40·0	"							<10	<10	2·58		
817	40·0	42·35	"									0·59		
818	42·35	44·2	"									0·06		
1152819	44·2	46·2	"									0·04		
DETECTION LIMIT												0·01		
ANALYTICAL METHOD												PM 209		

5 cm

Project: MOINA

Tenement: MOINA EL 7/74

Area / Prospect:

1 : 250 000 Sheet: BURNIE AMG Zone:

DPD's: 32050

Sheet No: 1

Laboratory: ALS BRISBANE

Collected By: BGF Date:

045

CRA EXPLORATION PTY. LTD.

769047

DDH 77 SMD 16

SAMPLE NUMBER	INTERVAL (in metres)		Sample Type	ANALYSES Cu	Pb	Zn				Pt ←ppb→	Pd	Au ppm		Geological Observations
1152820	46·2	48·2	pulps									0·03		
821	48·2	50·2	"									0·02		
822	50·2	52·2	"									0·06		
823	52·2	54·2	"									0·02	0·02	
824	54·2	55·7	"									0·02	0·02	
825	55·7	57·2	"									0·03		
826	57·2	59·2	"									0·04	0·06	
827	59·2	61·2	"									0·03		
828	61·2	63·2	"									0·05		
829	63·2	65·5	"									0·11		
830	65·5	68·1	"									0·46		
831	68·1	70·0	"							<10	<10	1·07		Skarn Mx - Sph - Gn.
832	70·0	72·55	"									0·57		
833	72·55	76·05	"									0·23		
834	76·05	78·05	"									0·23		
835	78·05	81·6	"									0·04		
836	81·6	82·35	"									0·08	0·08	
837	82·35	85·1	"									0·13		
838	85·1	87·1	"									0·09		
839	87·1	88·7	"									0·10		
DETECTION LIMIT												0·01		
ANALYTICAL METHOD												DM 209		

5 cm

Project: MOINA

Tenement: MOINA EL 7/74

1:250,000 Sheet: BURNIE AMG Zone

DPD's: 32050

Sheet No: 2.

Laboratory: ALS BRISBANE

Collected By: BGF Date:

046

CRA EXPLORATION PTY. LTD.

769048

SAMPLE NUMBER	DDH 77 SMD 16 INTERVAL (in metres)		Sample Type	ANALYSES Cu	Pb	Zn				Pt ppb	Pd ppb	Au ppm		Geological Observations
1152840	88.7	91.0	pulps									0.14		
841	91.0	93.0	"									0.10		
842	93.0	95.0	"									0.04		
843	95.0	97.0	"									0.07		
844	97.0	99.0	"									0.14		
845	99.0	101.7	"									0.21		
846	101.7	104.27	"									0.11		
847	104.27	106.0	"									0.08		
848	106.0	108.0	"									0.09		
849	108.0	110.0	"									0.15		
850	110.0	112.0	"									0.12		
851	112.0	114.0	"									0.15	0.16	
852	114.0	116.0	"									0.13		
853	116.0	118.0	"									0.06		
854	118.0	120.5	"									0.04		
855	120.5	123.0	"							<10	<10	0.21		
856	123.0	125.43	"							<10	<10	0.04		
857	125.43	128.75	"									0.06	0.08	
858	128.75	131.0	"									0.36		
1152859	131.0	133.0	"									0.84		
DETECTION LIMIT												0.01		
ANALYTICAL METHOD												PM 209		

5 cm

Project MOINA

Tenement MOINA EL 7/74

Area / Prospect

1 : 250 000 Sheet BURNIE AMG Zone

DPO's 32050

Sheet No 3.

Laboratory ALS BRISBANE

Collected By BGF Date

347

CRA EXPLORATION PTY. LTD.

769049

SAMPLE NUMBER	DDH 77 SMD 16 INTERVAL (in metres)		Sample Type	ANALYSES Cu	Pb	Zn				Pt ←ppb→	Pd	Au ppm		Geological Observations
1152860	133·0	135·0	pulps							<10	<10	1·01		
861	135·0	137·0	"							<10	<10	0·03		
862	137·0	140·0	core grinds							<10	<10	0·02		
863	140·0	143·0	"									0·02		
864	143·0	146·0	"									0·05		
865	146·0	149·0	"									0·01		
866	149·0	152·0	"									0·01		
867	152·0	154·0	"									0·02		
868	154·0	156·0	pulps									0·01	0·01	
869	156·0	159·0	core grinds									0·03		
870	159·0	162·0	"									0·01		
871	162·0	165·0	"									<0·01		
872	165·0	168·0	"									0·01		
1152873	168·0	171·0	"									0·01		
DETECTION LIMIT												001		
ANALYTICAL METHOD												PM 209		

5 cm

Project: MOINA

1:250 000 Sheet: BURNIE AMG Zone

Sheet No: 4.

Tenement: MOINA EL 7/74

DPO's: 32050, 32059

Laboratory: ALS BRISBANE

Area / Prospect:

Collected By: BGP Date:

048

C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

769050 SHEET No. 1

TENEMENT NAME MOINA No. 7174

PLAN – MAP REFERENCE RYANIE SH 55-3

CO-ORDINATES ... AZIMUTH ... DRILLERS ... COMMENCED ... DEPTH ... HOLE No. SMD 17

RL COLLAR ... INCLINATION ... DRILL TYPE ... COMPLETED ... CASING LEFT ... DPO No(s) 38729

DEPTH From (M)	DEPTH To (M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ALS (BRIS)) Cu ICP81	Pb ICP81	Zn	Ni	Au ppm FA	Au R			
					¼ core sample BQ	1654445	24	26		220	25	30	10	<0.01				
					NQ ¼ core sample	446	26	28		230	30	45	430	0.03				
					" " "	447	28	30		500	35	70	460	001				
					" " "	448	30	32		165	20	50	520	0.02				
						449	32	34		230	20	45	430	0.02	0.02			
					¼ core sample	450	34	36		155	60	65	220	0.01				
					" " "	451	36	38		75	10	40	60	0.01				
					" " "	452	38	40		125	15	40	550	0.02	0.02			
					" " "	453	40	42		180	20	45	530	0.06				
						454	42	44		145	25	50	200	0.01				

049

769051

CRA EXPLORATION PTY. LTD.

DDH 78 SMD 24

SAMPLE NUMBER	INTERVAL (in metres)		Sample Type	ANALYSES Cu	Pb	Zn						Au ppm	Geological Observations
1152878	0·0	3·0	core grind									0·01	
879	3·0	6·0	"									0·02	
880	6·0	9·0	"									0·01	
881	9·0	12·0	"									0·01	
882	12·0	15·0	"									0·03	
883	15·0	18·0	"									0·01	
884	18·0	21·0	"									0·02	
885	21·0	24·0	"									0·01	
886	24·0	27·0	"									0·01	
887	27·0	30·0	"									0·12	
888	30·0	33·0	"									<0·01	
889	33·0	36·0	"									0·02	
890	36·0	39·0	"									0·01	
891	39·0	42·0	"									0·01	
892	42·0	45·0	"									0·01	
893	45·0	48·0	"									0·02	
894	48·0	51·0	"									0·01	
895	51·0	54·0	"									0·01	
896	54·0	57·0	"									0·01	
1152897	57·0	60·0	"									0·01	
DETECTION LIMIT												0·01	
ANALYTICAL METHOD												PM 209	

5 cm

Project MOINA

1:250 000 Sheet BURNIE AMG Zone

Sheet No 1.

Tenement MOINA EL 7/74

DPO's 32059

Laboratory ALS BRISBANE

Area / Prospect

Collected By BGF Date

769052

030

CRA EXPLORATION PTY. LTD.

SAMPLE NUMBER	DDH 78 SMD 24 INTERVAL (in metres)		Sample Type	ANALYSES Cu	Pb	Zn						Au ppm		Geological Observations
1152878	60.0	63.0	core: grind									0.01	<0.01	
899	63.0	66.0	"									<0.01		
900	66.0	69.0	"									0.06		
901	69.0	72.0	"									0.04		
902	72.0	75.0	"									0.02		
903	75.0	78.0	"									0.01		
904	78.0	80.0	"									<0.01		
905	80.0	81.5	¼ split core									0.01		
906	81.5	83.0	"									0.60		
907	83.0	84.2	"									0.35		
908	84.2	86.25	"									0.47		
909	86.25	88.0	"									0.98		
910	88.0	89.5	"									0.81		
911	89.5	90.5	"									1.34		
912	90.5	92.0	"									0.27		
913	92.0	93.5	"									0.10		
914	93.5	95.25	"									0.18		
915	95.25	98.4	"									0.10		
916	98.4	100.0	"									0.14		
917	100.0	101.25	"									0.08	0.08	
DETECTION LIMIT												0.01		
ANALYTICAL METHOD												DM 209		

5 cm

Project	MOINA	1 : 250 000 Sheet	BURNIE AMG Zone
Tenement	MOINA EL 7/74	DPO's	32059
Area / Prospect			

Sheet No. 2.

Laboratory ALS BRISBANE

Collected By BGF Date

051

CRA EXPLORATION PTY. LTD.

769053

DDH 78 SMD 24

SAMPLE NUMBER	INTERVAL (in metres)		Sample Type	ANALYSES Cu	Pb	Zn						Au ppm		Geological Observations
1152918	101·25	106·5	¼ split core									0·11		
919	106·5	108·0	"									0·08		
920	108·0	109·5	"									0·05		
921	109·5	111·0	"									0·03		
922	111·0	112·5	"									0·03		
923	112·5	114·0	"									0·08		
924	114·0	115·5	"									0·05		
925	115·5	117·0	"									0·12	0·14	
926	117·0	118·5	"									0·09	0·10	
927	118·5	120·0	"									0·03		
928	120·0	121·5	"									0·01		
929	121·5	123·0	"									0·02		
930	123·0	124·5	"									0·03	0·03	
931	124·5	126·0	"									0·04		
932	126·0	127·5	"									0·05		
933	127·5	129·0	"									0·40		
934	129·0	130·5	"									0·22	0·18	
935	130·5	132·0	"									<0·01		
936	132·0	133·5	"									<0·01		
1152937	133·5	135·0	"									0·14	0·16	
DETECTION LIMIT												0·01		
ANALYTICAL METHOD												PDM 209		

5 cm

Project: MOINA

Tenement: MOINA EL 7/74

1:250 000 Sheet: BURNIE AMG Zone

DPD's: 32059, 32060

Sheet No: 3.

Laboratory: ALS BRISBANE

Collected By: BGF Date

032

769054

CRA EXPLORATION PTY. LTD.

SAMPLE NUMBER	DDH 78 SMD 24 INTERVAL (in metres)		Sample Type	ANALYSES Cu	Pb	Zn						Au ppm		Geological Observations
1152938	135·0	136·5	¼ split core									0·02		
939	136·5	138·0	"									0·02		
940	138·0	139·5	"									0·04		
941	139·5	141·0	"									0·06		
942	141·0	142·5	"									0·04		
943	142·5	144·0	"									0·04	0·02	
944	144·0	145·5	"									0·63	0·64	
945	145·5	147·0	"									1·79		
946	147·0	148·5	"									0·78		
947	148·5	150·0	"									0·27		
948	150·0	151·5	"									0·03		
949	151·5	153·0	"									0·04		
950	153·0	154·5	"									0·01		
951	154·5	156·0	"									0·04		
952	156·0	157·5	"									0·02		
953	157·5	159·0	"									0·02		
954	159·0	160·5	"									0·01		
955	160·5	162·0	"									<0·01		
956	162·0	163·5	"									<0·01		
1152957	163·5	165·0	"									0·01		
DETECTION LIMIT												0·01		
ANALYTICAL METHOD												FM 209		

5 cm

Project: MOINA

1:250 000 Sheet: BURNIE AMG Zone:

Sheet No: 4.

Tenement: MOINA EL 7/74

DPO's: 32060

Laboratory: ALS BRISBANE

Area / Prospect:

Collected By: BGF Date:

C. 053

769055

CRA EXPLORATION PTY. LTD.

SAMPLE NUMBER	DDH 78 SMD 24 INTERVAL (in metres)		Sample Type	ANALYSES Cu	Pb	Zn					Au ppm	Geological Observations
1152958	165·0	166·5	¼ split c/c								<0·01	
959	166·5	168·0	"								0·01	
1152960	168·0	169·8	"								<0·01	
DETECTION LIMIT											0·01	
ANALYTICAL METHOD											FM 209	

5 cm

Project MOINA

1 : 250 000 Sheet BURNIE AMG Zone

Sheet No 5.

Tenement MOINA EL 7/74

DPO's 32060

Laboratory ALS BRISBANE

Area / Prospect

Collected By BEF Date

769056

CRA EXPLORATION PTY. LTD.

DDH 78 SMD 25

SAMPLE NUMBER	INTERVAL (in metres)		Sample Type	Cu	Pb	Zn						Au ppm		Geological Observations
1152970	0	3.0	core. grinds									0.02		
971	3.0	6.0	"									0.01		
972	6.0	9.0	"									0.03		
973	9.0	12.0	"									0.08		
974	12.0	15.0	"									0.04		
975	15.0	18.0	"									0.04	0.05	
976	18.0	21.0	"									0.04		
977	21.0	24.0	"									0.03		
978	24.0	27.0	"									0.08		
979	27.0	30.0	"									0.02		
980	30.0	31.5	¼ split core									0.02		
981	31.5	33.0	"									<0.01		
982	33.0	34.5	"									0.01		
983	34.5	36.0	"									0.01		
984	36.0	37.5	"									0.01		
985	37.5	39.0	"									0.01		
986	39.0	42.0	core. grinds									0.01		
1152987	42.0	44.8	"									<0.01		
DETECTION LIMIT												0.01		
ANALYTICAL METHOD												PM 209		

5 cm

Project: MOINA

Tenement: MOINA 7/74

1:250,000 Sheet: BURNIE AMG Zone

DPD's: 32059

Sheet No: 1.

Laboratory: ALS BRISBANE

Collected By: BGF Date

055

C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

769057 SHEET No. 1

TENEMENT NAME MOINA No. 7174

PLAN – MAP REFERENCE BVANHOE SK 55-3

CO-ORDINATES ..... AZIMUTH ..... DRILLERS ..... COMMENCED ..... DEPTH ..... HOLE No. SMD 26

RL COLLAR ..... INCLINATION ..... DRILL TYPE ..... COMPLETED ..... CASING LEFT ..... DPO No(s) 38738

DEPTH From (M)	DEPTH To (M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ALS (BRIS)) AU	AUR
					HALF core SAMPLES	165455	2	4		0.01	
						456	4	6		0.01	
						457	6	8		0.01	
						458	8	10		0.01	0.01
						459	10	12		0.01	
						460	12	14		<0.01	
						461	14	16		<0.01	
						462	16	18		<0.01	
						463	18	20		<0.01	
						464	20	22		<0.01	
						465	22	24		0.01	
						466	24	26		<0.01	
						467	26	28		<0.01	
						468	28	30		<0.01	
						469	30	32		<0.01	
					HALF core	470	32	34		<0.01	
						471	34	36		0.01	
						472	36	38		<0.01	
						473	38	40		<0.01	
						474	40	42		<0.01	
						475	42	44		<0.01	<0.01
					44 TO 45 ½ core SAMPLE ¼ core SAMPLE 45 TO 46	476	44	46		<0.01	<0.01
						477	46	48		<0.01	
					1 METRE MISSING ½ core SAMPLE	478	48	50		<0.01	
						479	50	52		0.01	
						480	52	54		NR	
					HALF core SAMPLE	481	54	56		0.01	
					11 11 Detection Limit	482	56	58		<0.01	
					11 11 0.01	483	58	60		<0.01	
					11 11	484	60	62		<0.01	

058

C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

769058

SHEET No. 2

TENEMENT NAME MOINA No 7174

PLAN – MAP REFERENCE BYANIE SK 55-3

CO-ORDINATES ..... AZIMUTH ..... DRILLERS ..... COMMENCED ..... DEPTH ..... HOLE No. SMO 26

RL COLLAR ..... INCLINATION ..... DRILL TYPE ..... COMPLETED ..... CASING LEFT ..... DPO No(s) 38738

DEPTH From (M)	DEPTH To (M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ALS (BRIS)) Au								
					HALF core SAMPLE	1654485	62	64		<0.01								
					" "	486	64	66		<0.01								
					" "	487	66	68		<0.01								
					" "	488	68	70		<0.01								
					" "	489	70	72		<0.01								
					¼core 70.5 ¼ core SAMPLE TO 72	490	72	74		<0.01								
					¼ core SAMPLE 74-8 Full core HALF core SAMPLE	491	74	76		<0.01								
						492	76	78		<0.01								
						493	78	80		<0.01	<0.01							
						494	80	82		<0.01	<0.01							
						495	82	84		<0.01								
						496	84	86		<0.01								
						497	86	88		<0.01								
						498	88	90		<0.01								
						499	90	92		<0.01								
						500	92	94		<0.01								
						501	94	96		<0.01								
						502	96	98		<0.01								
						503	98	100		<0.01								
						504	100	102		<0.01								
						505	102	104		<0.01								
						506	104	106		<0.01								
						507	106	108		<0.01								
						508	108	110		<0.01								
						509	110	112		<0.01								
						510	112	114		<0.01								
						511	114	116		<0.01	0.01							
					Detec Limit 0.01	512	116	118		<0.01	<0.01							
						513	118	120		<0.01								
						514	120	122		<0.01								

057

769059

C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

SHEET No. 3

TENEMENT NAME MOINA No. 7174

PLAN – MAP REFERENCE BURNIE SK 55-3

CO-ORDINATES ..... AZIMUTH ..... DRILLERS ..... COMMENCED ..... DEPTH ..... HOLE No. SMD 26

RL COLLAR ..... INCLINATION ..... DRILL TYPE ..... COMPLETED ..... CASING LEFT ..... DPO No(s) 38738

DEPTH From (M)	DEPTH To (M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ALS (BRIS)) Au	AuR
						1654515	122	124		(0.01)	
						516	124	126		<0.01	
						517	126	128		<0.01	
						518	128	130		<0.01	
						519	130	132		<0.01	
						520	132	134		<0.01	
						521	134	136		<0.01	
						522	136	138		<0.01	
						523	138	140		<0.01	
						524	140	142		<0.01	
						525	142	144		<0.01	
						526	144	146		<0.01	
						527	146	148		<0.01	
						528	148	150		<0.01	
						529	150	152		<0.01	0.02
						530	152	154		<0.01	
						531	154	156		<0.01	
						532	156	158		<0.01	
						533	158	160		0.01	
						534	160	162		0.01	
						535	162	164		<0.01	
						536	164	166		<0.01	
						537	166	168		<0.01	
						538	168	170		<0.01	
						539	170	172		<0.01	
						540	172	174		<0.01	
						541	174	176		<0.01	
						542	176	178		<0.01	
						543	178	180		<0.01	
						544	180	182		0.01	

C.R.A. 058

C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

769060

SHEET No. 4

TENEMENT NAME MOINA No. 7174

PLAN – MAP REFERENCE BVANNE SK 55-3

CO-ORDINATES ..... AZIMUTH ..... DRILLERS ..... COMMENCED ..... DEPTH ..... HOLE No. SM026

RL COLLAR ..... INCLINATION ..... DRILL TYPE ..... COMPLETED ..... CASING LEFT ..... DPO No(s) 38738

DEPTH From (m M)	DEPTH To (M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ALS (BRIS)) AU	AUR
						1654545	182	184		0.01	
						546	184	186		<0.01	<0.01
						547	186	188		<0.01	<0.01
						548	188	190		0.02	
						549	190	192		0.01	
						550	192	194		0.01	
						551	194	196		0.01	
						552	196	198		<0.01	
						553	198	200		<0.01	
						1654606	200	202		0.02	
					Detec Limit 0.01						

059

C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

769061

SHEET No. 1

TENEMENT NAME MOINA No. 7174

PLAN – MAP REFERENCE BYRNIE SH 55-3

CO-ORDINATES ..... AZIMUTH ..... DRILLERS ..... COMMENCED ..... DEPTH ..... HOLE No. SMD 27

RL COLLAR ..... INCLINATION ..... DRILL TYPE ..... COMPLETED ..... CASING LEFT ..... DPO No(s) 38731

DEPTH From (M)	DEPTH To (M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ALS (BRIS)) AU ppm Fm 209	AUR ppm
					BQ ½ core SAMPLE	1654554	2	4		<0.01	
						555	4	6		0.01	
						556	6	8		0.01	
						557	8	10		0.04	
						558	10	12		0.01	
						559	12	14		0.01	
						560	14	16		0.01	
						561	16	18		0.01	
						562	18	20		0.01	
						563	20	22		0.01	
						564	22	24		0.02	
						565	24	26		0.01	
						566	26	28		0.02	
						567	28	30		0.01	
						568	30	32		0.01	
						569	32	34		0.02	
						570	34	36		0.02	
						571	36	38		0.02	
						572	38	40		0.01	
						573	40	42		0.01	0.02
						574	42	44		0.02	0.02
						575	44	46		0.05	
						576	46	48		0.05	
						577	48	50		0.07	
						578	50	52		0.09	
						579	52	54		0.07	
						580	54	56		0.07	
						581	56	58		0.02	
					NQ HALF core SAMPLE	582	58	60		0.01	
						583	60	62		0.01	

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769062

C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

SHEET No. 2
TENEMENT NAME MOINA No. 7174
PLAN – MAP REFERENCE BYRNIE SK 55-3
CO-ORDINATES ... AZIMUTH ... DRILLERS ... COMMENCED ... DEPTH ... HOLE No. SMD27
RL COLLAR ... INCLINATION ... DRILL TYPE ... COMPLETED ... CASING LEFT ... DPO No(s) 38731

DEPTH From (M)	DEPTH To (M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ALS (BRIS)) AU ppm	AUR ppm
						1654584	62	64		0.01	
					NQ HALF core SAMPLE	585	64	66		0.01	
						586	66	68		0.02	
						587	68	70		0.01	
						588	70	72		0.01	0.02
						589	72	74		0.05	0.04
					Det Limit units				0.01		

. 061

769063

CRA EXPLORATION PTY. LTD.

SAMPLE NUMBER	DDH 81 MD 42 INTERVAL (in metres)		Sample Type	ANALYSES Cu	Pb	Zn						Au ppm		Geological Observations
1152501	0	3·6	pulp+chips									0·03		
502	3·6	4·8	"									0·03		
503	4·8	8·3	"									0·02		
504	8·3	15·6	"									0·04		
505	15·6	18·4	+chips									0·01		
506	18·4	21·0	+chips									<0·01		
507	21·0	27·0	"									<0·01		
508	27·0	28·6	"									<0·01		
509	28·6	34·0	"									0·02		
510	34·0	36·0	"									0·02		
511	36·0	43·8	"									0·02		
512	43·8	44·6	"									0·02		
513	44·6	50·0	"									0·02		
514	50·0	57·0	"									0·01		
515	57·0	65·0	"									0·01		
516	65·0	73·0	"									0·02		
517	73·0	75·0	"									0·01	0·01	
518	75·0	81·0	"									0·01		
519	81·0	85·5	"									0·03		
1152520	85·5	90·0	"									0·02		
DETECTION LIMIT												0·01		
ANALYTICAL METHOD												PM 209		

5 cm

Project	SHEFFIELD - MOINA	1 : 250 000 Sheet	BURNIE AMG Zone
Tenement	MOINA 7/74	DPO's	32050
Area / Prospect	SHEPHERD + MURPHY AREA		

Sheet No 1.

Laboratory ALS BRISBANE

Collected By BGF Date

002

CRA EXPLORATION PTY. LTD.

769064

SAMPLE NUMBER	DDH 81 MD 42 INTERVAL (in metres)		Sample Type	ANALYSES Cu	Pb	Zn						Au ppm		Geological Observations
1152521	90.0	95.0	pulp									0.01		
522	95.0	101.0	"									0.01		
523	101.0	103.0	"									0.02		
524	103.0	110.0	"									0.02		
525	110.0	120.0	"									0.02		
526	120.0	127.0	"									0.02		
527	127.0	129.0	"									0.01		
528	129.0	135.0	"									0.01		
529	135.0	137.0	"									0.01		
530	137.0	140.0	"									0.02		
531	140.0	143.0	"									0.01		
532	143.0	145.0	"									0.01		
533	145.0	148.0	"									0.01		
534	148.0	151.0	"									0.02		
535	151.0	158.0	"									0.04	0.03	
536	158.0	160.0	"									0.08	0.08	
537	160.0	162.5	"									0.06		
538	162.5	164.6	"									0.05		
539	164.6	165.6	"									0.04		
1152540	165.6	167.8	"									0.03	0.02	
DETECTION LIMIT												0.01		
ANALYTICAL METHOD												PM 209		

5 cm

Project SHEFFIELD - MOINA

1 : 250 000 Sheet BURNIE AMG Zone

Sheet No 2.

Tenement MOINA EL 7/74

DPO's 32050

Laboratory ALS BRISBANE

Area / Prospect SHEPHERD + MURPHY AREA

Collected By BGF Date

003

769065

CRA EXPLORATION PTY. LTD.

DDH 81 MD 42

SAMPLE NUMBER	INTERVAL (in metres)		Sample Type	ANALYSES Cu	Pb	Zn						Au ppm		Geological Observations
1152541	167·8	168·8	pulp									0·03		
542	168·8	171·1	"									0·10		
543	171·1	174·1	"									0·06		
544	174·1	176·0	"									0·07	0·08	
545	176·0	177·0	"									0·08		
546	177·0	178·5	"									0·03		
547	178·5	179·5	"									0·11		
548	179·5	180·8	"									0·01		
549	180·8	183·1	" + chips									0·07		
550	183·1	184·45	" + chips									0·06		
551	184·45	184·95	"									0·02		
552	184·95	187·2	+ chips									0·01		
553	187·2	188·2	"									0·01		
554	188·2	188·8	"									0·01		
555	188·8	191·0	"									0·01		
556	191·0	192·6	"									0·01		
557	192·6	195·2	+ chips									0·01		
558	195·2	197·0	+ chips									0·01		
559	197·0	199·3	+ chips									0·01		
1152560	199·3	208·0	"									0·01		
DETECTION LIMIT												0·01		
ANALYTICAL METHOD												PM 209		

5 cm

Project SHEFFIELD - MOINA

1 : 250 000 Sheet BURNIE AMG Zone

Sheet No 3.

Tenement MOINA EL 7/74

DPD's 32050

Laboratory ALS BRISBANE

Area / Prospect SHEPHERD + MURPHY AREA

Collected By BGF Date

769066

064

C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

SHEET No. 1

TENEMENT NAME MOINA No 7174

PLAN – MAP REFERENCE BURNIE SK 55-3

CO-ORDINATES ..... AZIMUTH ..... DRILLERS ..... COMMENCED ..... DEPTH ..... HOLE No. 491

RL COLLAR ..... INCLINATION ..... DRILL TYPE ..... COMPLETED ..... CASING LEFT ..... DPO No(s) 38739

DEPTH From (M)	DEPTH To (M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ALS (BRIS)) Au
					1 core No Sample	1654733	100	102		0.01
						734	102	104		<0.01
						735	104	106		<0.01
						736	106	108		<0.01
						737	108	110		<0.01
						738	110	112		<0.01
						739	112	114		<0.01
						740	114	116		<0.01
						741	116	118		<0.01
						742	118	120		<0.01
						743	120	122		<0.01
						744	122	124		<0.01

769067

065

C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

SHEET No. 1

TENEMENT NAME MOINA No 7174

PLAN – MAP REFERENCE BURNIE SK 55-3

CO-ORDINATES .... AZIMUTH .... DRILLERS .... COMMENCED .... DEPTH .... HOLE No. SMD 29

RL COLLAR .... INCLINATION .... DRILL TYPE .... COMPLETED .... CASING LEFT .... DPO No(s) 38740

ASSAY VALUES (Analysed by ALS (BRIS)) ppm; ppm checks

DEPTH From	DEPTH To(M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	Sample No.	From (M)	To (M)	Rec (M)	Au ppm 10g	AuR
					BQ 0-2 Missing No Sample	1654607	0	2		NR	
					1 metre ½ core sample taken	1654608	2	4		0.01	0.02
					½ Core Sample ~~entire~~ hole BQ	609	4	6		0.01	0.02
					To 60m	610	6	8		0.02	
						611	8	10		0.01	
						612	10	12		0.22	0.24
						613	12	14		0.03	
						614	14	16		0.02	
						615	16	18		0.05	
						616	18	20		0.03	
						617	20	22		0.02	
						618	22	24		0.01	
						619	24	26		0.02	
						620	26	28		0.01	
						621	28	30		0.36	0.32
						622	30	32		<0.01	
						623	32	34		0.22	0.24
						624	34	36		0.04	
						625	36	38		0.01	
						626	38	40		<0.01	
						627	40	42		<0.01	
						628	42	44		<0.01	
						629	44	46		<0.01	
						630	46	48		<0.01	
						631	48	50		<0.01	
						632	50	52		<0.01	<0.01
						633	52	54		0.01	
						634	54	56		<0.01	
						635	56	58		0.01	
						636	58	60		0.02	

769068

068

C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

SHEET No. 2

TENEMENT NAME MOINA No 7174

PLAN – MAP REFERENCE BURNIE SH. 55-3

CO-ORDINATES ..... AZIMUTH ..... DRILLERS ..... COMMENCED .....

RL COLLAR ..... INCLINATION ..... DRILL TYPE ..... COMPLETED .....

DEPTH ..... HOLE No. SM029

CASING LEFT ..... DPO No(s) 38740

DEPTH To(M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ALS (BRIS)) ppm Au	Au Checks
				BQ ¼ core SAMPLE TAKEN TO FINISH	1654637	60	62		0.01	
					638	62	64		0.06	
					639	64	66		0.06	
					640	66	68		0.01	
					641	68	70		0.01	
					642	70	72		0.01	
					643	72	74		0.02	
					644	74	76		0.01	
					645	76	78		<0.01	
					646	78	80		<0.01	
					647	80	82		<0.01	
					648	82	84		<0.01	
					649	84	86		<0.01	<0.01
					650	86	88		<0.01	<0.01
					651	88	90		<0.01	
					652	90	92		<0.01	
					653	92	94		<0.01	
					654	94	96		<0.01	
					655	96	98		<0.01	
					656	98	100		<0.01	
					657	100	102		<0.01	
					658	102	104		<0.01	<0.01

007

769069

C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

SHEET No. 1

TENEMENT NAME MOINA No. 7174

PLAN – MAP REFERENCE BURNIE SK 55-3

CO-ORDINATES ..... AZIMUTH ..... DRILLERS ..... COMMENCED ..... DEPTH ..... HOLE No. SMO 31

RL COLLAR ..... INCLINATION ..... DRILL TYPE ..... COMPLETED ..... CASING LEFT ..... DPO No(s) 38733

DEPTH From (M)	DEPTH To (M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ALS (BRIS)) AU ppm pm20A	AUR ppm
					BQ ½ core SAMPLE	1654982	11	13		0.20	
						983	13	15		0.08	0.07
						984	15	17		<0.01	
					NQ ¼ core SAMPLE	985	17	19		<0.01	0.01
					NQ ½ core Sample	986	19	21		0.01	
						987	21	23		0.01	
						988	23	25		<0.01	
						989	25	27		0.01	
						990	27	29		0.01	0.01
						991	29	31		<0.01	
						992	31	33		<0.01	
						993	33	35		0.01	
						994	35	37		0.01	
						995	37	39		0.01	
						996	39	41		<0.01	
					Det limit units				0.01		

068

769070

C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

SHEET No. 01
TENEMENT NAME MOINA No. 7174
PLAN – MAP REFERENCE
CO-ORDINATES 650E 222N AZIMUTH – DRILLERS COMMENCED DEPTH 164 m HOLE No. SMD33
RL COLLAR INCLINATION -90 DRILL TYPE COMPLETED CASING LEFT DPO No(s) 38719

DEPTH From (M)	DEPTH To(M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by .....) Au	Pt	Pd
						1655022	52	54		Q·05	<10	<10
						023	54	56		0·02	<10	<10
						1655024	56	58		0·03	<10	<10
					Det. Limit					0·01	10	10
					UNITS					ppm	ppb	ppb

069

769071

C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

SHEET No. 1

TENEMENT NAME MOINA No. 7174

PLAN – MAP REFERENCE BYANIE 55.55-3

CO-ORDINATES ..... AZIMUTH ..... DRILLERS ..... COMMENCED ..... DEPTH ..... HOLE No. SMD 37

RL COLLAR ..... INCLINATION ..... DRILL TYPE ..... COMPLETED ..... CASING LEFT ..... DPO No(s) 38739

DEPTH To(M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ALS (BRIS)) Au	Au R
				½ core sample in Bag	1654590	145	147		0.01	
					591	147	149		<0.01	
					592	149	151		0.01	
					593	151	153		<0.01	
					594	153	155		<0.01	
					595	155	157		0.03	
					596	157	159		0.01	0.02
					597	159	161		0.01	0.01
					598	161	163		<0.01	
					599	163	165		0.02	
					600	165	167		<0.01	
					601	167	169		<0.01	
					602	169	171		<0.01	
					603	171	173		<0.01	
					604	173	175		<0.01	
					605	175	176.5		<0.01	

070

769072

CRA EXPLORATION PTY. LTD.

SAMPLE NUMBER	DDH 80 MD 39 INTERVAL (in metres)		Sample Type	ANALYSES Cu	Pb	Zn				Pt ppb	Pd ppb	Au ppm		Geological Observations
1152401	0·0	3·0	core grind									<0·01		
402	3·0	6·0	"									0·01		
403	6·0	9·0	"									0·02		
404	9·0	12·0	"									0·02		
405	12·0	15·0	"									0·02		
406	15·0	18·0	"									0·01		
407	18·0	21·0	"									0·01		
408	21·0	24·0	"									0·02		
409	24·0	27·0	"									<0·01	0·02	
410	27·0	30·0	"									0·01	0·02	
411	30·0	33·0	"									0·04		
412	33·0	36·0	"									0·02	0·01	
413	36·0	39·0	"							<10	<10	0·02		
414	39·0	42·0	"							<10	<10	0·01		
415	42·0	45·0	"							<10	<10	0·01		
416	45·0	48·0	"							<10	<10	0·01		
417	48·0	51·0	"									0·01		
418	51·0	54·0	"									0·02		
419	54·0	57·0	"									0·02		
1152420	57·0	60·0	"									0·02		
DETECTION LIMIT												0·01		
ANALYTICAL METHOD												PM 209		

5 cm

Project MOINA - SHEFFIELD | 1:250 000 Sheet BURNIE | AMG Zone | Sheet No. 1.

Tenement MOINA EL 7/74 | DPO's 32059 | Laboratory ALS BRISBANE

Area / Prospect SHEPHERD + MURPHY AREA | Collected By BEF | Date

071

769073

CRA EXPLORATION PTY. LTD.

SAMPLE NUMBER	DDH 80 MD 39 INTERVAL (in metres)		Sample Type	ANALYSES Cu	Pb	Zn						Au ppm		Geological Observations
1152421	60·0	63·0	core grind									0·01		
422	63·0	66·0	"									0·02		
423	66·0	69·0	"									0·06	0·04	
424	69·0	72·0	"									0·01		
425	72·0	75·0	"									0·02		
426	75·0	78·0	"									0·02		
427	78·0	81·0	"									0·01		
428	81·0	84·0	"									0·01		
429	84·0	87·0	"									0·02		
430	87·0	90·0	"									<0·01		
431	90·0	93·0	"									0·02		
432	93·0	96·0	"									0·02		
433	96·0	99·0	"									0·02		
434	99·0	102·0	"									0·03		
435	102·0	105·0	"									0·01		
436	105·0	108·0	"									0·01		
437	108·0	111·0	"									0·03		
438	111·0	114·0	"									0·02		
439	114·0	117·0	"									0·04		
1152440	117·0	120·0	"									0·02		
DETECTION LIMIT												0·01		
ANALYTICAL METHOD												1M 209		

5 cm

Project MOINA - SHEFFIELD | 1 : 250 000 Sheet BURNIE | AMG Zone | Sheet No. 2.

Tenement : MOINA EL 7/74 | DPO's 32059 | Laboratory ALS BRISBANE

Area : SHEPHERD - MURPHY AREA | Collected By BEF | Date :

072

769074

CRA EXPLORATION PTY. LTD.

DDH 80 MD 39

SAMPLE NUMBER	INTERVAL (in metres)		Sample Type	ANALYSES Cu	Pb	Zn				Pt ←ppb→	Pd	Au ppm	
1152441	120·0	123·0	core grind									0·02	
442	123·0	126·0	"									0·04	
443	126·0	129·0	"									0·03	
444	129·0	132·0	"									0·02	
445	132·0	135·0	"									0·01	
446	135·0	138·0	"									0·01	0·02
447	138·0	141·0	"									0·03	
448	141·0	145·5	"									0·02	
449	190·0	191·5	¼ split core									1·14	
450	191·5	193·0	"									0·16	
451	193·0	194·5	"							IS	IS	1·20	
452	194·5	196·0	"							IS	IS	1·98	
453	196·0	197·5	"									0·26	
454	197·5	199·0	"									0·06	
455	199·0	200·5	"									0·30	
456	200·5	202·0	"									0·64	
457	202·0	203·5	"									0·57	
458	203·5	205·0	"									0·43	
459	205·0	206·5	"									0·11	
1152460	206·5	208·0	"									0·03	
DETECTION LIMIT												0·01	
ANALYTICAL METHOD												PM 209	

Geological Observations

IS = Insufficient Sample

5 cm

Project: MOINA - SHEFFIELD

1:250 000 Sheet: BURNIE AMG Zone:

Sheet No: 3.

Tenement: MOINA EL 7/74

DPG's: 32059, 32060

Laboratory: ALS BRISBANE

Area / Prospect: SHEPHEARD & MURPHY AREA

Collected By: BEF Date:

013

769075

CRA EXPLORATION PTY. LTD.

DDH 80 MD 39

SAMPLE NUMBER	INTERVAL (in metres)		Sample Type	ANALYSES Cu	Pb	Zn						Au ppm		Geological Observations
1152461	208·0	209·5	¼ split core									0·01		
462	209·5	211·0	"									0·01		
463	211·0	212·5	"									0·02		
464	212·5	214·0	"									0·08		
465	214·0	215·5	"									<0·01		
466	215·5	217·0	"									0·47		
467	217·0	218·5	"									0·25	0·26	
468	218·5	220·0	"									0·02		
469	220·0	221·5	"									0·02		
470	221·5	223·0	"									0·01		
471	223·0	224·5	"									0·01		
472	224·5	226·0	"									<0·01		
473	226·0	227·5	"									<0·01		
474	227·5	229·0	"									<0·01		
475	229·0	230·5	"									<0·01		
476	230·5	232·0	"									<0·01		
477	232·0	233·5	"									<0·01		
478	233·5	235·0	"									<0·01		
479	235·0	236·5	"									0·12		
1152480	236·5	238·0	"									0·01		
DETECTION LIMIT												0·01		
ANALYTICAL METHOD												PM 209		

5 cm

Project: MOINA - SHEFFIELD

1 250 000 Sheet: BURNIE AMG Zone

Sheet No.: 4.

Tenement: MOINA EL 7/74

DPO's: 32060, 32061

Laboratory: ALS BRISBANE

Area / Prospect: SHEPHERD & MURPHY AREA

Collected By: BEF Date

074

769076

CRA EXPLORATION PTY. LTD.

DDH 80 MD 39

SAMPLE NUMBER	INTERVAL (in metres)		Sample Type	ANALYSES Cu	Pb	Zn						Au ppm	Geological Observations
1152481	238·0	239·5	¼ split core									<·01	
482	239·5	241·0	"									<·01	
483	241·0	242·5	"									0·02	
484	242·5	244·0	"									0·02	
485	244·0	245·5	"									<0·01	
486	245·5	247·0	"									<0·01	
487	247·0	248·5	"									<0·01	
488	248·5	250·0	"									<0·01	
489	250·0	251·5	"									<0·01	
490	251·5	253·0	"									<0·01	
491	253·0	254·5	"									<0·01	
492	254·5	256·0	"									<0·01	
493	256·0	257·5	"									<0·01	
494	257·5	259·0	"									<0·01	
1152495	259·0	260·4	"									<0·01	
DETECTION LIMIT												0·01	
ANALYTICAL METHOD												PM 209	

5 cm

Project MOINA - SHEFFIELD

1 : 250 000 Sheet BORNIE AMG Zone

Sheet No 5.

Tenement MOINA EL 7/74

DPO's 32061

Laboratory ALS BRISBANE

Area / Prospect SHEPHERD + MURPHY ADFA

Collected By BGF Date

015

769077

C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

SHEET No. 01

TENEMENT NAME MOINA No E47/74

PLAN – MAP REFERENCE

CO-ORDINATES 1301E 106N AZIMUTH — DRILLERS COMMENCED DEPTH 360.4 HOLE No. SMD-39

RL COLLAR INCLINATION -90° DRILL TYPE COMPLETED CASING LEFT DPO No(s) 38719

DEPTH From (M)	DEPTH To (M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by) Au	Pt	Pd
						165502	190	193		0.86	<10	20
						55028	193	196		1.00	<10	20
					Detect Limit					0.01	10	10
					UNITS					ppm	ppb	→

076

769078

C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

SHEET No. 1

TENEMENT NAME MOINA No. 7174

PLAN – MAP REFERENCE RVANIE SK 55-3

CO-ORDINATES ..... AZIMUTH ..... DRILLERS ..... COMMENCED ..... DEPTH ..... HOLE No. MD 49

RL COLLAR ..... INCLINATION ..... DRILL TYPE ..... COMPLETED ..... CASING LEFT ..... DPO No(s). 38739

DEPTH From (M)	DEPTH To (M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ALS (BRIS)) Au	AuR
						165430	94	96		0·34	0·44
						165431	96	98·3		0·18	0·25

017

769079

SHEET No. 1

C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

TENEMENT NAME MOINA No. 7174

PLAN – MAP REFERENCE BYRNIE SK 55-3

CO-ORDINATES ..... AZIMUTH ..... DRILLERS ..... COMMENCED ..... DEPTH ..... HOLE No MD41

RL COLLAR ..... INCLINATION ..... DRILL TYPE ..... COMPLETED ..... CASING LEFT ..... DPO No(s) 38741

DEPTH From	DEPTH To(M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by AGS (BRIS)) AU	AUR
					Bad Recovery 0 to 8 1654659	1654659	0	8		046	
						1654663	8	10		0·03	
						1654664	10	12		0·02	
						665	12	14		0·03	
						666	14	16		0·01	
						667	16	18		0·02	
						668	18	20		0·26	0·28
						669	20	22		0·09	0·08
						670	22	24		0·05	
						671	24	26		0·07	
						672	26	28		0·07	
						673	28	30		0·11	
						674	30	32		0·46	0·44
						675	32	34		0·26	0·22
						676	34	36		0·05	0·06
						677	36	38		0·21	0·20
						678	38	40		0·39	0·42
						679	40	42		0·09	0·08
						680	42	44		<0·01	
						681	44	46		0·01	
						682	46	48		<0·01	<0·01
						683	48	50		<0·01	<0·01
						684	50	52		0·01	
						685	52	54		0·01	
						686	54	56		<0·01	
						687	56	58		<0·01	
						688	58	60		<001	
						689	60	62		<0·01	
						690	62	64		<0·01	
						691	64	66		<0·01	

018

769080

C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

SHEET No. 2
TENEMENT NAME MOINA No. 7174
PLAN – MAP REFERENCE RYANIE SH. 55-3
CO-ORDINATES ..... AZIMUTH ..... DRILLERS ..... COMMENCED ..... DEPTH ..... HOLE No. M041
RL COLLAR ..... INCLINATION ..... DRILL TYPE ..... COMPLETED ..... CASING LEFT ..... DPO No(s) 38741

DEPTH From	DEPTH To(M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ALS (BRIS)) Au	AuR
						1654692	66	68		<0.01	
						693	68	70		<0.01	
						694	70	72		<0.01	
						695	72	74		<0.01	
						696	74	76		<0.01	
						697	76	78		<0.01	
						698	78	80		0.01	
						699	80	82		<0.01	
						700	82	84		0.04	0.03
						701	84	86		0.03	0.02
						702	86	88		0.01	
						703	88	90		0.01	
						704	90	92		0.01	
						705	92	94		0.03	
						706	94	96		0.01	
						707	96	98		<0.01	
						708	98	100		0.05	
						709	100	102		0.01	
						710	102	104		<0.01	
						711	104	106		<0.01	
						712	106	108		0.01	
						713	108	110		<0.01	
						714	110	112		0.01	
						715	112	114		0.01	
						716	114	116		0.01	
						717	116	118		<0.01	
						718	118	120		<0.01	<0.01
						719	120	122		<0.01	<0.01
						720	122	124		0.02	
						721	124	126		0.02	

079

769081

C.R.A. EXPLORATION PTY. LIMITED

DRILL CORE LOG

SHEET No. 3

TENEMENT NAME MOINA No. 7174

PLAN – MAP REFERENCE BYRNIE SK 55-3

CO-ORDINATES..... AZIMUTH..... DRILLERS..... COMMENCED..... DEPTH..... HOLE No. M041

RL COLLAR..... INCLINATION..... DRILL TYPE..... COMPLETED..... CASING LEFT..... DPO No(s). 38741

DEPTH From	DEPTH To(M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ALS (BRIS)) Au ppm	Au R check
						722	126	128		(0.01)	
						723	128	130		(0.01)	
						724	130	132		(0.01)	
						725	132	134		(0.01)	
						726	134	136		(0.01)	
						727	136	138		(0.01)	
						728	138	140		0.02	
						729	140	142		(0.01)	
						730	142	144		(0.01)	
						731	144	146		(0.01)	
						732	146	148		(0.01)	
						165480	148	150.7		(0.01)	(0.01)

APPENDIX 3

DRILL LOGS M01 AND M02

769083

081

C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

SHEET No. 01
TENEMENT NAME MOINA No. 7174
PLAN – MAP REFERENCE

CO-ORDINATES 1550 E 100 S
AZIMUTH 0m – N/A; 139m – 190° (mag)
DRILLERS DIAMOND DRILLERS TAS.
COMMENCED 29-11-1987
DEPTH 130.5
HOLE No. DD87MO2

RL COLLAR 660.4 ASL (EXACT)
INCLINATION 0m – -90°; 139m – -89°
DRILL TYPE LONGYEAR 38
COMPLETED 4-12-1987
CASING LEFT 13.1m PVC
DPO No(s). 46262

DEPTH From (M)	DEPTH To (M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ALS (BRIS).) FA2-9 AAS Au	ICS82 Cu	Pb	Zn	Ag	As	Fe%	Bi	Mn
0-0	1.0	–	HW		PRECOLLAR As surface a brecciated quartz sandstone with abundant euhedral arsenopyrite. Petrological sample 1651859 was taken from a surface exposure.														
1.0	3.0	0.7	HQ		SANDSTONE: Off white quartz rich type. Strongly fractured (Aseno)		1231901	1.0	2.0		0.02	35	80	40	<1	1750	3.64	10	210
3.0	3.8	0.5	HQ		SANDSTONE: Grey quartz rich sandstone. Between 3.4 and 3.5m see a pyrite + arsenopyrite rich zone (E% combined)		1231902	2.0	4.0		0.01	40	105	20	<1	1550	1.01	10	200
3.8	5.5	0.9	HQ		SANDSTONE: Creamy coloured, variably oxidized. Intensely fractured, arsenopyrite dissem throughout (<<0.5%). Oxidized		1231903	4.0	6.0		0.01	40	80	30	<1	400	1.03	<5	90
5.50	7.5	1.5	HQ		SANDSTONE Cream coloured clay present in interstices, oxidized locally. Some clay rich interbeds?		1231904	6.0	8.0		<0.01	20	70	15	<1	360	0.63	<5	10
7.50	8.9	0.9	HQ		SANDSTONE: Argillaceous, cream coloured with dissem pyrite / haematite 0.5%. Variable clay content.		1231905	8.0	10.0		0.02	15	70	20	<1	105	0.33	<5	25
8.9	10.5	0.7	HQ		SANDSTONE: Quartz rich – Pale grey-blue colour. Base of oxidation at 10 m. Trace disseminated pyrite														
10.5	11.6	0.4	HQ		SANDSTONE: As above		1231906	10.0	12.00		<0.01	5	75	5	<1	30	0.18	<5	45
11.6	12.8	0.2	HQ		SANDSTONE – SILTSTONE: Cream – buff colour, dominantly a qtz rich sandstone with lesser clay rich interbeds. Local minor pyrite (≈ 0.1%).														
12.8	13.5	0.5	HQ		SANDSTONE – SILTSTONE Cream – grey colour. Sand > Silt. Kaolinitized		1231907	12.0	14.0		<0.01	115	50	25	<1	220	0.61	<5	5
13.5	15.3	1.8	HQ		SANDSTONE: Minor siltstone interbeds orientated at 50° to C.A. at 14.3m. Has been considerably stained														
15.3	16.5	1.2	HQ		SANDSTONE: Minor siltstone and pebble beds. Fine grained beds show greater clay alteration. Sandstone is generally quartz rich with variable kaolinitization. Patchy dissem pyrite and arsenopyrite (total 0.1%) Strongly fractured		1231908	14.0	16.0		<0.01	130	110	55	<1	38	0.78	<5	5
16.5	20.6	3.7	HQ		SAND STONE Strongly Kaolinitized (as above) strongly fractured. Petrological sample 1651852 taken from 18.5 – 18.6m		1231909	16.00	18.0		<0.01	55	100	70	<1	34	0.80	<5	20
					Cream – medium grey colour. 5% disseminated pyrite. Rock fabric shows evidence of strong deformation (Pet). Kaolinite occurs as interstitial material. Occasional q + (pyrite) veinlets		1231910	18.0	20.0		<0.01	90	135	20	<1	26	0.70	<5	20

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C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

SHEET No. 02
TENEMENT NAME MOINA No. 7/74
PLAN – MAP REFERENCE

CO-ORDINATES 1550 E 1.00 S AZIMUTH 0m – NA 129m – 190° (mag). DRILLERS DIAMOND DRILLERS TAS COMMENCED 29-11-1987 DEPTH 130.5 m HOLE No. DD87M02

RL COLLAR 660.4 m ASL INCLINATION 0m – –90° 129m – –89° DRILL TYPE LONGYEAR 38 COMPLETED 4-12-1987 CASING LEFT 131 PVC DPO No(s) 46262

DEPTH From (M)	DEPTH To (M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ALS (BRIS)) PM209 FIRE Au	← ICS82 → Cu	Pb	Zn	Ag	As	Fe%	Bi	Mn
20.6	22.5	1.8	HQ		SANDSTONE: Pale grey colour, [illegible] fracturing		1231911	20.00	22.00		<0.01	65	80	60	<1	18	0.29	<5	<5
22.5	28.9	5.7	HQ		SANDSTONE: Pale grey-cream coloured quartz rich rock.														
					Weak to moderately fractured. Roughly parallel sided zones of		1231912	22.00	24.00		<0.01	110	140	270	<1	34	0.72	<5	<5
					pyrite – chl – amphibole? 2.5 cm wide at 30° to CA between 22.5		1231913	24.00	26.00		<0.01	80	65	140	<1	55	0.53	<5	10
					and 25.5 m. Some very fine grained disseminated pyrite (total 0.8%)														
					Locally oxidized clay fractures. Variable clay content. Strongly		1231914	26.00	28.00		<0.01	45	55	20	<1	100	0.42	<5	<5
					fractured between 27.7 and 28.5 m. Pyrite veinlets // to C.A		1231915	28.0	28.9		<0.01	60	30	15	<1	16	0.26	<5	<5
					between 27.7 and 28.9 m		1231916	28.9	30.0		<0.01	120	50	15	<1	48	0.62	<5	<5
28.9	32.5	2.7	NQ		SANDSTONE Light grey coloured fractured with minor QTZ		1231917	30.0	32.0		<0.01	250	115	85	<1	17	0.99	<5	<5
					veins. Between 31 & 32 m pyrite ≈20% with clots >> veins.		1231918	32.0	34.0		<0.01	115	55	25	<1	220	0.70	<5	<5
					Vein pyrite and clots are all oriented sub // to the core axis.		1231919	34.0	36.0		0.01	165	35	10	<1	17	0.38	<5	5
					Vein pyrite generally 2-3 mm wide and are at 30° to the CA		1231920	36.0	38.0		<0.01	170	55	65	<1	28	0.72	<5	<5
					SANDSTONE: Siliceous type, pale grey colour		1231921	38.0	40.0		<0.01	210	40	15	<1	11	0.52	<5	<5
32.5	41.7	7.8	NQ		SANSTONE: Recrystallized (partially) quartz rich type. Occasional		1231922	40.0	42.0		0.01	130	90	30	<1	18	0.73	<5	<5
					siltstone interbeds which show strong clay alteration (kaolinitization		1231923	42.0	44.0		0.01	340	60	20	<1	14	0.97	<5	<5
					on eg 37.7 m. Generally fractured and unoxidized. Locally patchy		1231924	44.0	46.0		<0.01	520	280	75	<1	15	0.80	<5	<5
					pyrite (upto 6%) is developed.		1231925	46.0	48.0		<0.01	330	45	20	<1	12	0.65	<5	<5
41.7	43.0	1.3	NQ		SANDSTONE: Mottled buff-orange colour – oxidized quartz rich		1231926	48.0	50.0		<0.01	830	40	10	<1	10	0.70	<5	<5
					sandstone. Some disseminated clays		1231927	50.0	52.0		0.01	155	210	5	<1	55	1.82	<5	<5
43.0	50.0		NQ		SANSTONE: Light grey colour. Qtz rich sandstone. Variable		1231928	52.0	54.0		0.01	210	85	5	<1	65	2.29	<5	<5
					clay content (gen light grey (white) colour. Dissem pyrite ≈ <1%.		1231929	54.0	56.0		0.01	35	40	5	<1	55	0.65	10	<5
					Heavy core losses between 46.5 and 50 m – intensely fractured.		1231930	56.0	58.0		<0.01	60	35	5	<1	30	0.38	<5	<5
50.0	54.6		NQ		FAULT BRECCIA: HUGO'S FAULT — Oxidized mustard to pale		1231931	58.0	60.0		<0.01	25	30	5	<1	36	0.51	<5	<5
					creame coloured with Angular fragments of quartz rich		1231932	60.0	62.0		<0.01	10	25	5	<1	10	0.18	<5	10
					sandstone set in a clay rich matrix.		1231933	62.0	64.0		<0.01	45	30	10	<1	8	0.22	<5	10
54.6	66.3		NQ		SANDSTONE: Light grey colour, quartz rich, some interstitial		1231934	64.0	66.0		<0.01	35	30	5	<1	16	0.33	<5	15
					clay and lesser clay bands (thought to be controlled by original		1231935	66.0	68.0		<0.01	5	30	5	<1	5	0.22	<5	85
					lithological variations). Pyrite veinlets generally orientated at		1231936	68.0	70.0		<0.01	60	30	10	<1	6	0.26	<5	15
					30° to the C.A as are clay veinlets with pyrite selvages.		1231937	70.0	72.0		0.01	<5	30	<5	<1	4	0.19	<5	10
66.3	72.5		NQ		SANDSTONE Light grey quartzite. Very minor clays and no		1231938	72.0	74.0		<0.01	5	25	<5	<1	4	0.16	<5	<5
					[illegible] Fracturing [illegible] at 40° to CA						<								

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C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

SHEET No. 03
TENEMENT NAME MOINA No. 7/74
PLAN – MAP REFERENCE

CO-ORDINATES 1550E 100S AZIMUTH 0m – N/A 129m – 190° (mag) DRILLERS DIAMOND Drillers Tas COMMENCED 29-11-1987 DEPTH 130.5m HOLE No. DD87MO2
RL COLLAR 660.4m ASL INCLINATION 0m – -90° 129m – -89° DRILL TYPE LONGYEAR 38 COMPLETED 4-12-1987 CASING LEFT 131m PVC DPO No(s) 4626?

DEPTH From (M)	DEPTH To (M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	Au (PM EC9 FIRE)	Cu	Pb	Zn	Ag	As	Fe%	Bi	Mn
						ASSAY VALUES (Analysed by ALS (BRIS))						← IC582 →							
72.5	75.8		NQ		SANSTONE: Light grey quartzite with clay rich zones (cobalt		1231939	74.0	76.0		<0.01	<5	20	<5	<1	3	0.14	<5	10
					silt layers) orientated at 45° to C.A. Clays are a cream-														
					yellow colour, trace disseminated pyrite														
75.8	81.7		NQ		SANDSTONE: Light grey siliceous type with minor dissem-		1231940	76.0	78.0		<0.01	5	20	<5	<1	3	0.14	<5	25
					inated pyrite = 0.1%. Locally fractured and weakly oxidised		1231941	78.0	80.0		<0.01	5	20	<5	<1	4	0.16	<5	15
					between 80 and 81.0 metres. Between 75.8 and 76.4 m QTZ-		1231942	80.0	82.0		<0.01	50	15	<5	<1	4	0.27	<5	5
					carbonate veining 1cm wide is noted and this contains														
					rare specks of sphalerite? At 81 m see good bedding at														
					80° to the C A														
81.7	88.5		NQ		SANDSTONE: Light grey coloured quartzite with well defined		1231943	82.0	84.0		0.02	75	10	<5	1	4	0.29	<5	20
					bedding b/n 83.2 and 83.8 m defined interbedded fine and		1231944	84.0	86.0		0.01	50	10	<5	1	46	0.95	15	45
					coarse grained sandstone. Pyrite occurs on selvages and		1231945	86.0	88.0		0.01	130	15	<5	<1	12	0.25	5	25
					disseminations and totals ≈ <1%. Occasional clay rich band														
88.5	93.1		NQ		SANDSTONE: Light grey colour, common veins of QTZ-SC?-Mo?		1231946	88.0	90.0		0.01	240	30	<5	1	8	0.35	<5	20
					amphibole. Quartz rich sandstone, trace kaoline in fractures.		1231947	90.0	92.0		0.01	65	10	<5	<1	7	0.33	20	50
					Hornfelsed.														
93.1	99.2		NQ		SANDSTONE: Light grey colour Siliceous, locally pyrite – bint		1231948	92.0	94.0		0.01	110	15	80	<1	8	1.09	<5	125
					? (musc?) – SC veining is very strong with pyrite dissem +		1231949	94.0	96.0		0.02	115	20	80	<1	11	1.30	<5	130
					veins = 5% of the rock volume. Locally intensely fractured. Some														
					biotite veinlets present														
99.2	100.8	1.6	NQ		SANSTONE STRONGLY KAOLINITIZED mildly hornfelsed 5% diss		1231950	96.0	98.0		0.01	125	35	185	<1	3	0.73	<5	55
					and veinlet pyrite. Veins of QZ-MO-scheelite veins.		1231951	98.0	100.0		0.01	125	20	185	<1	6	1.44	<5	240
					see 10ppm Mo b/n 98-100 m, UV determination for scheelite.														
					Petrological sample 165185? collected from 99.3 to 99.4 m.														
					Albite tentatively identified => acid alteration														
100.8	107.3		NQ		SANDSTONE: Light grey quartz rich type Hornfelsed. Fractures		1231952	100.0	102.0		<0.01	70	20	290	<1	10	1.27	<5	250
					dominantly 10° to C A and are often filled with fine		1231953	102.0	104.0		<0.01	135	25	100	<1	19	1.87	<5	185
					grained pyrite.														
107.3	110.2		NQ		SANDSTONE/SILTSTONE: Light grey quartz rich sandstone inter-		1231954	104.0	106.0		<0.01	180	35	680	<1	16	2.29	<5	300
					calated with cream-buff coloured clay rich siltstone bed		1231955	106.0	108.0		0.01	195	25	140	1	26	2.97	<5	170
					Veinlet of microxtaline pyrite at 50° to C A. Hornfelsed		1231956	108.0	110.0		0.01	25	30	290	<1	15	1.20	<5	85

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C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

SHEET No. 04
TENEMENT NAME MOINA No. 7/74
PLAN – MAP REFERENCE

CO-ORDINATES 1550 E 1005 AZIMUTH 0m – N/A 129m – 190° (mag) DRILLERS DIAMOND DRILLERS TAS COMMENCED 29-11-1987 DEPTH 130.5 HOLE No. DD87MO2
RL COLLAR 660.4 ASL INCLINATION 0m – 90° 129m – 89° DRILL TYPE LONGYEAR 38 COMPLETED 4-12-1987 CASING LEFT 131m PVC DPO No(s) 46262

DEPTH From (M)	DEPTH To (M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	Au	Cu	Pb	Zn	Ag	As	Fe%	Bi	Mn
											FIRE ASS	← IC582 →							
10.2	113.9		NQ		SANDSTONE Hornfelsed pale grey-green colour. Patchy pyrite		123/957	110.0	112.0		0.01	130	15	70	<1	17	1.35	<5	105
					distribution py up to 10% in places. Alteration = QZ-CHL-BIOT-EPI			112.0	114.0										
					DOTE?-PY in character. Fractured														
13.9	120.4		NQ		SANDSTONE Hornfelsed quartzite. Chlorite / Biotite rich		123/958	114.0	116.0		0.01	185	20	90	<1	22	2.07	<5	210
					patchy alteration. At 119.5m see QZ-BIOT-ANAH? veining sub-		123/959	116.0	118.0		0.02	30	25	190	<1	3	1.70	<5	350
					// to the core axis														
20.4	124.0	3.5	NQ		SANDSTONE Hornfelsed quartzite. 123-124m very pyritic ≥20%														
					lim = vein 120.4-121.0m Mag-Biot-Amphibole-Qz? veins														
					// to CA.														
24.0	130.5		NQ		SANDSTONE: Hornfelsed. Petrological sample 165/854 collected		123/960	118.0	120.0		0.02	185	30	100	<1	11	3.15	<5	610
					between 125.7 and 125.8m. Colour ranges from light grey		123/961	120	122.0		0.01	50	20	65	<1	6	3.43	<5	710
					to green and cream. More fractured zones tend to be more		123/962	122	124.0		0.01	60	45	300	<1	12	1.50	<5	350
					pyritic such as 130-130.5m. See 129.4-129.7m for clay		123/963	124	126.0		0.01	50	25	650	<1	40	2.45	10	390
					(kaolinite) rich bands (alunite?) Some fractures are		123/964	126	128.0		0.01	50	50	125	<1	20	3.84	<	560
					clay filled. Minor alunite veinlets. Lots of degraded biotite.		123/965	128	130.0		0.01	55	25	480	<1	9	1.57	<5	145
							123/966	130	130.5		0.01	70	20	390	1	14	1.09	<5	150
							123/967				0.01	200	20	380	2	55	1.77	<5	150

ASSAY VALUES (Analysed by ALS (66/5))

035

769087

CO-ORDINATES..... AZIMUTH..... D

RL COLLAR..... INCLINATION..... D

DEPTH From (M)	DEPTH To(M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION BLOCK TO BLOCK
					RECOVERIES CD87 M02
0	1				
1·0	3·0	0·7	HQ		
3·0	3·8	0·5	↑		
3·8	5·5	0·9			
5·5	7·5	1·5			
7·5	8·9	0·9			
8·9	10·5	0·7			
10·5	11·1	0·2			
11·1	11·6	0·2			
11·6	12·8	0·2			
12·8	13·5	0·5	↓		
13·5	15·3	1·8	HQ		
15·3	16·5	1·2	↑		
16·5	18·5	1·8			
18·5	20·6	1·9			
20·6	21·4	0·8			
21·4	22·5	1·0			
22·5	23·5	0·9			
23·5	25·5	1·9			
25·5	26·4	0·7			
26·4	27·7	1·1			
27·7	28·5	0·7			
28·5	28·9	0·4	↓		
28·9	31·5	2·1	NQ		
31·5	32·5	0·7			
32·5	33·4	0·8			
33·4	34·5	1·1			
34·5	35·3	0·7			
35·3	35·9	0·3			
35·9	37·50	1·4			

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CO-ORDINATES..... AZIMUTH..... DI

RL COLLAR..... INCLINATION..... DI

DEPTH From (M)	DEPTH To(M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION
					BLOCK TO BLOCK
37·5	38·7	1·0			RECOVERIES DDB7M02
38·7	40·5	1·7			
40·5	41·4	0·8			
41·4	42·4	1·0			
42·4	43·5	1·0			
43·5	45·2	0·7			
45·2	46·5	0·8			
46·5	48·2	0·2			
48·2	50·0	0·2			
50·0	50·6	0·3			
50·6	52·5	1·5			
52·5	54·10	0·7			
54·10	54·60	0·4			
54·6	55·5	0·7			
55·5	56·5	0·9			
56·5	57·9	1·2			
57·9	59·3	1·2			
59·3	60·2	0·8			
60·2	61·0	0·8			
61·0	61·6	0·5			
61·6	62·6	1·0			
62·6	63·5	0·9			
63·5	64·4	0·9			
64·4	65·4	0·8			
65·4	66·3	0·9			
66·3	67·5	1·2			
67·5	68·9	1·4			
68·9	69·9	1·0			
69·9	71·7	1·7			
71·7	73·5	1·7			
73·5	74·6	1·1			

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CO-ORDINATES..... AZIMUTH..... D

RL COLLAR..... INCLINATION..... D

DEPTH From (M)	DEPTH To(M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION
					BLOCK TO BLOCK RECOV-
126·0	127·5	0·7			ERIES FOR DD87M02
127·5	129·7	1·5			
129·7	130·5	0·8			

038

CO-ORDINATES..... AZIMUTH..... D

RL COLLAR..... INCLINATION..... D

DEPTH From (M)	DEPTH To(M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION
					BLOCK TO BLOCK
74·6	75·8	1·1			RECOVERIES DD87M02
75·8	76·4	0·6			
76·4	78·9	2·5			
78·9	80·1	1·1			
80·1	81·7	1·6			
81·7	82·5	0·7			
82·5	85·5	2·9			
85·5	86·7	1·2			
86·7	88·5	1·8			
88·5	90·8	2·2			
90·8	93·1	2·0			
93·1	94·6	1·2			
94·6	96·9	2·2			
96·9	97·5	0·3			
97·5	98·0	0·3			
98·0	99·8	1·3			
99·8	100·9	1·0			
100·9	102·4	1·5			
102·4	103·5	1·1			
103·5	105·6	2·0			
105·6	107·3	1·4			
108·7	108·7	0·9			
108·7	110·2	1·2			
110·2	112·5	2·0			
112·5	113·9	1·2			
113·9	115·2	1·3			
115·2	116·1	0·8			
116·1	118·5	1·6			
118·5	120·4	1·8			
120·4	124·0	2·4			
124·0	126·0	1·6			

089

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C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

SHEET No. 01

TENEMENT NAME Moina No. 7174

PLAN – MAP REFERENCE

2000E

CO-ORDINATES 280N AZIMUTH N/A DRILLERS Diamond Drillers Tas COMMENCED 24-11-1987 DEPTH 80.0 HOLE No. DD87M01

RL COLLAR 695m ASL INCLINATION -90° DRILL TYPE LONGYEAR 38 COMPLETED 28-11-1987 CASING LEFT 0-3m PVC DPO No(s) 46260

DEPTH From (M)	DEPTH To (M)	Core Rec. (M)	Core Size	~~Metres~~ Mag Sus	CORE DESCRIPTION	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ALS (PERTH)) PM209 Fire Au	IC582 Ag	As	Cu	Pb	Zn	Bi	Fe%	Mn
0	1.0	–	HW		PRE COLLAR													
1.0	2.0	0.2	HQ	(1-2) 2x10⁻⁵	Clean off white quartz sandstone medium grained	1653752	1.0	2.0	0.2	14.1	3	24	45	15	15	5	0.82	55
1.0	2.0				RE SAMPLED (1/4 CORE) AND ASSAYED BY AMDEL (DPO 46272)	1651863	1.0	2.0	0.2									
2.0	4.0	0.64	HQ	(2-4) 2x10⁻⁵	Quartz sandstone as above 3.0-4.0m is grey coloured	1653753	2.0	4.0	0.64	1.98	1	13	15	25	20	<5	0.84	230
					at 3.5m see a HE vein at 90° to the core axis which bleach													
					es the surrounding rock													
2.0	4.0	0.64	HQ		RESAMPLED (1/4 CORE) AND ASSAYED BY AMDEL (DPO 46272)	1651864	2.0	4.0	0.64									
4.0	5.38	1.0	HQ	(4-6) 4-6x10⁻⁵	Light grey quartz sandstone with zones of skarn (veins) at 90° to C.A	1653754	4.0	6.0		0.19	1	11	70	15	65	<5	5.76	4450
5.38	6.40		HQ		VESUVIANITE-DIOPSIDE SKARN with minor (5%) amphibole and	1651865	4.0	5.38										
					garnet Intensely developed, pyrite 5-15% with disseminations	1651866	5.38	6.00										
					> vein Some secondary carbonate and QZ-PY-SCHEELITE													
					veining orientated // to C.A. Pet Sample 1651855 taken from 6.0-6.1m													
6.40	7.00	0.6	HQ	(6-8) 6x10⁻⁴	SANDSTONE, Pale white colour, medium grained cut by secondary	1653755	6.00	7.00		0.01	2	11	85	15	120	5	8.59	8600
					scheelite - magnetite - pyrite veins running // to the core axis (C.A)	1653756	7.00	8.00		0.01	1	20	50	60	85	<5	3.61	3250
7.00	8.50	1.50	NQ		SANDSTONE - Pale white → buff coloured. Strongly fractured. Veins	1653757	8.0	10.0		<0.01	1	13	35	25	60	<5	3.98	3550
					// to C.A. of QTZ-DIOPSIDE Pyrite disseminated 3-5%.													
8.50	9.9	1.4	NQ	(8-10) 2-6x10⁻⁴	SANDSTONE - Grey-green rock. Strongly altered and fractured													
					Significant diopside ? developed Vein QZ+PY+AMPH/DIOP													
					is seen and are 1-30mm diam Mag sus = 2x10⁻³ SI.													
9.9	10.6	0.7	NQ		SKARN - QZ-DIOP-PY-AMPH-(ST) TYPE. Pyrite occurs as													
					disseminations and clots and constitutes 10-15% of the rock vol.													
					Possibly some arsenopyrite intergrown with the pyrite. Fluorite													
					?) present													
10.6	11.4	0.8	NQ	(10-12) 2x10⁻⁴	SANDSTONE - Grey-green colour. Vein QZ-DIOP?-PY common	1653758	10.0	12.0		<0.01	1	40	25	150	160	<5	8.19	4400
					Relict bedding at 45° to C.A ??													
11.3	12.3		NQ	(12-14) 2-6x10⁻⁴	SKARN - VESUVIANITE?-DIOPSIDE type Brown in colour with													
					2% disseminated pyrite. Coarse grained texture													
12.3	14.0		NQ		SANDSTONE - Grey green colour, some diopside altered to	1653759	12.0	14.0		<0.01	1	16	80	10	115	<5	3.13	2600
					amphibole present. QZ-MUSC-DIOP?-AMPH veins present Pyrite clots													
14.0	17.0		NQ	(14-16) 2-6x10⁻⁴	As Above	1653760	14.0	16.0		<0.01	1	19	45	45	70	<5	2.07	990

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C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

SHEET No. 02

TENEMENT NAME MOINA No. 7/74

PLAN – MAP REFERENCE

2000 E

CO-ORDINATES 280 N AZIMUTH N/A DRILLERS DRILLERS TAS COMMENCED 24-11-1987 DEPTH 80.0 HOLE No. DD87M01

RL COLLAR 695 m ASL INCLINATION -90 DRILL TYPE LONGYEAR 38 COMPLETED 28-11-1988 CASING LEFT 0-3m PVC DPO No(s) 46260

DIAMOND

DEPTH From (M)	DEPTH To(M)	Core Rec. (M)	Core Size	METRES MAG SUS (SI)	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by A.C.S. LABS) ← IC582 → Au	Ag	As	Cu	Pb	Zn	Bi	Fe %	Mn
17.0	19.2	2.1	NQ	(16-18) 2.6×10^{-4}	SANDSTONE: Grey to green colour, patchy alteration with		1653761	16.00	18.00		<0.01	1	18	65	35	125	<5	1.79	580
					granular diopside - ? - pyrite	strong developed Pyrite 10%	1653762	18.00	20.00		<0.01	1	22	125	105	170	<5	4.70	2900
				(18-20) 2.6×10^{-4}	variably fractured														
19.2	21.2	1.9	NQ	(20-22) 2.6×10^{-4}	SANDSTONE Grey green colour. Originally a medium grained quartzite														
					Pyrite present as disseminations and veinlets. Secondary amphibole														
					gives the rock its green colour. At 20.9m a QZ-PY vein														
21.2	22.5	1.2	NQ	(22-24) 2.6×10^{-4}	SANDSTONE: Grey-green colour as above. Amphibole rich		1653763	20.00	22.00		<0.01	1	13	260	115	280	<5	5.30	5150
22.5	25.6	3.1	NQ	(24-26) 2.6×10^{-4}	SANDSTONE: Grey - white/blue colour, relatively unaltered. Minor		1653764	22.00	24.00		<0.01	1	16	70	30	70	5	2.13	1300
					pyrite + (pyrrhotite?) along fractures. Embryonic skarn development														
					most of which has been altered to amphibole. See an alteration														
					induced(?) layering at 20-30° to the C.A.														
25.6	27.2	1.6	NQ	(26-28) 2.6×10^{-4}	SANDSTONE Ex quartzite - altered as above		1653765	24.00	26.00		<0.01	1	12	40	25	110	<5	1.19	360
27.2	29.4	3.1	NQ	(28-30) 2.6×10^{-4}	SANDSTONE/SKARN. Patchy DIOP-ANDRADITE-VESUV' skarn as patches		1653766	26.00	28.00		<0.01	1	16	140	85	310	<5	4.12	1550
					surrounded by grey quartz-pyrite material. Skarn clots														
					have a green-grey colour. Some CHL'														
29.4	31.6	2.1	NQ	(30-32) 2.6×10^{-4}	SANDSTONE: Silicic grey-blue pyritic sandstone (1%). Occurs in		1653767	28.00	30.00		<0.01	1	14	100	55	120	<5	4.12	1950
					pods of ST? (poss silicite) - DIOP - 3-5cm diam and these are aligned		1653768	30.00	32.00		0.01	1	65	20	45	120	<5	2.64	1150
					to the C.A. Weakly fractured														
31.6	34.7	3.1	NQ	(32-34) 2.6×10^{-4}	SANDSTONE Dark grey colour, massive and laminated (bedding		1653769	32.00	34.00		0.01	1	80	20	65	80	<5	3.66	1500
					ion at 50° to C.A.) At 33.5m S_0=45° defined by 4cm		1653770	34.00	36.00		<0.01	2	80	85	110	160	<5	4.34	1400
					size thin compositional & grainsize difference contrasts the attention.														
34.7	36.8	2.1	NQ	(34-36) 3×10^{-2}	SANDSTONE Massive dark grey colour, fracturing intensity		1653771	36.00	38.00		<0.01	2	42	45	260	190	<5	3.92	1700
				(36-38) 2.6×10^{-4}	increasing, fractures lined with amphibole + magnetite. Some Po														
36.8	41.0	3.1	NQ	(38-40) 2.6×10^{-4}	SANDSTONE As above but lower Magnetite		1653772	38.00	40.00		<0.01	1	28	50	85	100	<5	3.10	1750
41.0	42.1	1.1	NQ	(41-42) $0.6-0.6$	QZ-AMPHIBOLE-DIOP-MAGNETITE	SKARN. Mottled grey-green-grey	1653773	40.00	42.00		<0.01	1	13	85	60	280	<5	7.60	1650
					rock 20% Magnetite + pyrite. Amphibole replaces pre-existing														
					Diopside and garnet. Petrologised sample 1651856 was collected														
					between 41.4 and 41.5m														
42.1	44.0	1.9	NQ	(42-44)	SANDSTONE: Pale-Med grey-green colour, amphiboles disseminated		1653774	42.00	44.00		<0.01	1	16	10	75	240	<5	1.56	1100
					throughout the core. Minor fracturing Magnetite-amphibole														
					veinlets present near 42m 43-46m see silicate bands at 45° C.A.														

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C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

SHEET No. 03
TENEMENT NAME MOINA No. 7/74
PLAN – MAP REFERENCE

CO-ORDINATES 2000 E 380 N AZIMUTH N/A DRILLERS DIAMOND DRILLERS TAS. COMMENCED 24-11-1987 DEPTH 80.0m HOLE No. DD87MO1

RL COLLAR 695m ASL INCLINATION -90 DRILL TYPE LONGYEAR 38 COMPLETED 28-11-1987 CASING LEFT 0-3m PVC DPO No(s) 46260

DEPTH From (M)	DEPTH To(M)	Core Rec. (M)	Core Size	(metres) Mag Suses.	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ALS (BRIS)) PM209 FIRE Au	IC582 Ag	As	Cu	Pb	Zn	Bi	Fe%	Mn
44.0	47.00	3.0	NQ	(44-46) 2.6×10^{-4}	SANDSTONE: Quartzite, hornfelsed,	mottled green-grey-brown. Amphibole	1653775	44.00	46.00		<0.01	1	17	5	30	95	<5	1.20	650
					present. Minor fracturing and	pyrite 1-2%. Irregular pyrite													
					fracture fills parallel to the CA	6% 45.6-47.8m	1653776	46.00	48.00		<0.01	1	30	15	25	430	<5	2.62	1000
7.00	50.00	3.00	NQ	(46-48) 2.6×10^{-4}	SANDSTONE Quartzite, hornfelsed,	grey-green colour, amphibole	1653777	48.00	50.00		<0.01	1	24	35	40	130	<5	2.09	700
					clays and diopside minor. Fracturing	dominantly 30° to CA Py = 1%.													
50.00	52.90	2.8	NQ	(48-50) 2.6×10^{-4}	SANDSTONE As above		1653778	50.00	52.00		<0.01	1	40	25	90	510	<5	2.07	800
52.90	55.30	2.4	NQ	(50-52) 2.6×10^{-4}	SANDSTONE: Hornfelsed Quartzite	. Pet sample 1651857 was collected	1653779	52.00	54.00		<0.01	1	28	15	50	150	<5	1.82	720
					between 52.90 and 53.00 metres. See	select Diopside altered to													
					amphibole and some interstitial	clays, carbonates and chlorite													
					3-4% dissem. and veinlet pyrite														
55.3	57.4	2.1	NQ		SANSTONE/SILTSTONE/SHALE IN	TERBEDS. Preferential alteration	1653780	54.00	56.00		<0.01	1	20	15	40	75	<5	2.12	1350
					along finer grained beds So	= 48° to CA. 1% pyrite along													
					fractures and bedding planes.														
57.4	60.3	2.9	NQ		SANDSTONE/SILTSTONE/SHALE IN	TERBEDS. As above lighter beds	1653761	56.00	58.00		<0.01	3	100	20	390	125	<5	1.31	500
					are more siliceous while the darker	ones are more CY-AMP-PY rich	1653782	58.00	60.00		<0.01	1	85	10	60	65	<5	1.39	440
60.30	61.30	0.9	NQ		SANDSTONE: Pale - buff coloured,	quartz rich. Intensely fractured													
					with dissem. + fracture fill py	rite = 1%.													
61.30	62.00	0.7	NQ		SANDSTONE Pale grey coloured -	hornfelsed with minor pyrite	1653783	60.00	62.00		<0.01	1	46	20	60	70	<5	0.73	260
					veins at 45° to CA. Only minor	amphibole.													
62.00	63.5	1.4	NQ		SANDSTONE: Hornfelsed, Pale grey	- buff coloured with occasional	1653784	62.00	64.00		<0.01	1	28	15	70	130	<5	1.07	620
					siltstone interbeds which show	increased alteration. 3% pyrite													
63.50	67.6	4.0	NQ		with veinlets > disseminations.		1653785	64.00	66.00		<0.01	1	38	55	65	75	<5	2.78	1700
67.60	70.6	3.0	NQ		SANDSTONE: Hornfelsed, grey to	greenish-grey colour (mottled).	1653786	66.00	68.00		0.01	1	22	50	45	30	<5	2.21	450
					Petrological sample 1651858 taken	from 70.3 to 70.4m. 3%	1653787	68.00	70.00		0.01	1	22	65	30	25	<5	2.96	1100
					pyrite associated with the green	amphibole patches and													
					fracture fills. Some intergrowths	of QZ-ALUNITE. Carbonate													
					≈10% and epidote 5%. Amphib	ole has been replaced by													
					carbonate in places.														
70.6	71.5	0.9	NQ		SANDSTONE Hornfelsed as above														

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C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

SHEET No. 04

TENEMENT NAME MOINA No. 7/74

PLAN – MAP REFERENCE

CO-ORDINATES 280 N 2000E AZIMUTH N/A DRILLERS DIAMOND DRILLERS TAS COMMENCED 24-11-1987 DEPTH 80.0m HOLE No. DD87M01

RL COLLAR 695m ASL INCLINATION -90 DRILL TYPE LONGYEAR 28 COMPLETED 28-11-1987 CASING LEFT 0-3m PVC DPO No(s) 46260

DEPTH From (M)	DEPTH To(M)	Core Rec. (M)	Core Size	(METRES) Maj Sum.	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ALS (BRIS)) FA/AAS FIRE	← ICS80 → Ag	As	Cu	Pb	Zn	Bi	Fe%	Mn
											Au								
1.50	74.0	2.5	NQ		SANDSTONE: Grey to greenish-grey colour. Hornfelsed Amphibole present throughout. 73-74.5m is very strongly altered, abundant amphibole, carbonate and sulphides (≈10% max)		1653788	70.00	72.00		0.01	1	24	50	25	70	<5	1.58	210
							1653789	72.00	74.00		0.02	1	19	260	35	45	<5	1.77	185
4.00	75.20	1.2	NQ		SANDSTONE: Bowing-green to grey colour Strongly hornfelsed moderately fractured 1-3% limonite pyrite		1653790	74.00	76.00		0.02	1	14	65	15	65	<5	1.34	160
15.20	77.00	1.8	NQ		SANDSTONE: Grey to green-grey colour variable amphibole content moderately fractured		1653791	76.00	78.00		0.01	1	16	40	30	55	<5	1.08	260
17.00	78.20	1.2	NQ		SANDSTONE: Hornfelsed, amphibole and minor carbonate alteration 1% limonite and fracture fill pyrite		1653792	78.00	80.00		50.01	1	28	90	15	45	<5	1.21	165
78.20	80.00	1.8	NQ		SANDSTONE: Green coloured (abundant amphibole) 2-7% limonite fracture fill pyrite. Strongly hornfelsed Fractured Carbonate in some veinlets Increased limonite pyrite between 78.2 and 78.6m														
80.0	= END OF HOLE																		

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C.R.A. EXPLORATION PTY. LIMITED

DRILL CORE LOG

SHEET No. .....

TENEMENT NAME..... No. .....

PLAN – MAP REFERENCE.....

CO-ORDINATES..... AZIMUTH..... DRILLERS..... COMMENCED..... DEPTH..... HOLE No. .....

RL COLLAR..... INCLINATION..... DRILL TYPE..... COMPLETED..... CASING LEFT..... DPO No(s).....

DEPTH From (M)	DEPTH To(M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by.....)

APPENDIX 4

GOLD RE-ASSAYING M01

C.R.A. EXPLORATION PTY. LIMITED
(INC. IN N.S.W.)
1207 TASMAN HIGHWAY, CAMBRIDGE, TASMANIA 7170

P.O. BOX 138
BELLERIVE 7018
TELEGRAMS: CRAEX
TELEX: AA57144
TELEPHONE: 48 5499
AREA CODE: (002)

769097

IN REPLY PLEASE QUOTE
FRF.W6.23.7/74

2 February 1988

Memorandum to: T W DICKSON

From: F R FUNNELL

Copy: FILE

RE: GOLD ASSAYING DD87MO1, MOINA E.L. 7/74

Drillhole DD87MO1 was drilled during November 1987 to test a combined magnetic/IP geophysical anomaly located in the Dalcoath Hill Road area. Upon completion the core was cut into two metre intervals and half core samples were despatched to ALS (Brisbane) for analysis, (DPO 46260).

Gold values were determined by fire assay using a 50g charge (Lab. code PM209). Initial assay results indicated the interval 1.0-2.0m contained 14.1ppm Au and 2.0-4.0m 1.98ppm Au. These assay results were surprising in that the interval 1.0-4.0m is predominantly a clean Moina Sandstone, it was also noted that the assay values showed a disturbing tail-off downhole. A second split was taken from the material held at ALS pulped, divided into two samples and assayed by ALS and COMLABS (AMDEL - Adelaide) under DPO 46273 and 46276 respectively. Both Labs returned similarly high assay results. This suggests that if contamination was responsible for the high values it must have occurred during the initial crushing stage of sample preparation.

It was decided to despatch a quarter core sample of the 1.0-6.0m interval from the remaining core held at the Hobart Office to COMLABS in Adelaide for gold analysis by fire assay, (Lab. code FA/1, DPO 46272). Pulps prepared by COMLABS from the quarter core were sent to ALS for gold determination under DPO 46275. In both cases the quarter core samples failed to return a gold assay in excess of 0.01ppm.

This leaves two possibilities open:

1. Coarse gold is distributed unhomogenously through the core.

2. Massive gold contamination occurred during the initial crushing stage of ALS's sample preparation.

The interval 1.0 to 2.0m, which supposedly contained 14.1ppm Au, was examined in minute detail and no visible gold was noted. It is considered unlikely that the gold could be distributed such that a sample interval which returned 14.1ppm initially could, upon resampling return only 0.01ppm Au.

The tail off in assays and totally unrepeatability of the high grade values all point to contamination having occurred during the initial sample preparation. How contamination of this magnitude occurred is unclear as ALS (Brisbane) does not carry out any grade control work.

It is recommended that no further work be carried out on the skarns or enclosing Moina Sandstone encountered in DD87MO1.

F.R. Funnell.

F R FUNNELL

Australian Laboratory Services PTY LTD
CONSULTING ANALYTICAL CHEMISTS
INCORPORATED IN QUEENSLAND

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LABORATORY REPORT

Brisbane Head Office and Laboratory
32 Shand Street, Stafford, Q. 4053.
P.O. Box 68, Everton Park, Q. 4053.
Phone: (07) 352 5577. Telex: ALSEV 42344
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Perth Office and Laboratory
16 Bessandean Road, Bayswater, W.A. 6053
Phone: (09) 272 2300. Fax: (09) 272 5787
Townsville Laboratory
21 Bombala Street, Garbutt, Q. 4814
Phone: (077) 79 9155. Fax: (077) 799 729.
Charters Towers Laboratory
18 Drew Street, Charters Towers, Q. 4820
Phone: (077) 87 4155. Fax: (077) 87 4220.
Bendigo Laboratory
127A Victoria Street, Eaglehawk, Vic. 3556.
Phone: (054) 46 1390. Fax (054) 46 1389.

CRA EXPLORATION PTY. LTD.
P.O. BOX 138
ROSNY PARK
TAS 7018

COPY

Batch Number: M083-i

MR. F. FUNNELL

No. of Samples: 41
Date Received: 09/12/87
Date Completed: 17/12/87

Order No. DPO 46260 Sample Type: CORE

SAMPLE NUMBER	Element Unit Method	Au ppm PM209	Au(R) ppm CHECKS
1653752		14.1	14.6
1653753		1.98	
1653754		0.19	
1653755		0.01	
1653756		0.01	
1653757		<0.01	
1653758		<0.01	
1653759		<0.01	
1653760		<0.01	
1653761		<0.01	
1653762		<0.01	
1653763		<0.01	
1653764		<0.01	
1653765		<0.01	
1653766		<0.01	
1653767		<0.01	
1653768		0.01	
1653769		0.01	
1653770		<0.01	
1653771		<0.01	
1653772		<0.01	
1653773		<0.01	
1653774		<0.01	
1653775		<0.01	
1653776		<0.01	
1653777		<0.01	
1653778		<0.01	
1653779		<0.01	
1653780		<0.01	
1653781		<0.01	
Detection Limit:		0.01	

Comments:

Signatory:

Australian Laboratory Services PTY. LTD.

769100

CONSULTING ANALYTICAL CHEMISTS

INCORPORATED IN QUEENSLAND

LABORATORY REPORT

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Townsville Laboratory
21 Bombala Street, Garbutt, Q. 4814
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Charters Towers Laboratory
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Bendigo Laboratory
[illegible] Williamson Street, Eaglehawk, Vic. 3556.
Phone (054) 46 1390. Fax (054) 46 1389.

Client: CRA EXPLORATION PTY. LTD.

Address: P.O. BOX 138
ROSNY PARK
TAS 7018

Page 1 of 1

Batch Number: A076

Contact: MR. F. FUNNELL

No. of Samples: 4

Order No. DPO 46273 EX M083 Sample Type: PULP EX M083

Date Received: 15/01/88

Date Completed: 19/01/88

SAMPLE NUMBER	Element / Unit / Method	Au ppm PM209				
1653752		8.76				
1653753		2.20				
1653754		0.20				
1653755		0.01				
Detection Limit:		0.01				

Comments:

Signatory: [signature]

Registered Laboratory No. 825

FORM ALS 01

CSS

LASSIC COMLABS LIMITED

769101

Job: COM8AD0111
O/N: DPO 46276

ANALYTICAL REPORT

SAMPLE	Au
1653752	13.0
1653753	2.2
1653754	0.48
1653755	0.01
UNITS	ppm
SCHEME	FAS1

CLASSIC COMLABS LIMITED

769102

Job: COM8AD0043
O/N: DPO 46272

ANALYTICAL REPORT

SAMPLE	Au
1651863	0.08
1651864	0.01
1651865	<0.01
1651866	0.01
UNITS	ppm
SCHEME	FAS1

Australian Laboratory Services PTY. LTD.

769103

CONSULTING ANALYTICAL CHEMISTS

INCORPORATED IN QUEENSLAND

LABORATORY REPORT

Brisbane Head Office and Laboratory
32 Shand Street, Stafford, Q. 4053.
P.O. Box 66, Everton Park, Q. 4053.
Phone: (07) 352 5577. Telex: ALSEV 4234
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16 Bassendean Road, Bayswater, W.A. 6053.
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21 Bombala Street, Garbutt, Q. 4814
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Charters Towers Laboratory
18 Drew Street, Charters Towers, Q. 4820
Phone: (077) 87 4155. Fax: (077) 87 4220.

Bendigo Laboratory
[illegible] Victoria Street, Eaglehawk, Vic. 3556.
Phone: (054) 48 1796. Fax (054) 46 1389.

RECEIVED 21 JAN 1988 CRAE HOBART

Page 1 of 1

Client: CRA EXPLORATION PTY. LTD.

Address: P.O. BOX 138
ROSNY PARK
TAS 7018

Batch Number: A075

Contact: MR. F. FUNNELL

No. of Samples: 4

Date Received: 14/01/88

Order No. DPO 46275 Sample Type: DRILL CORE PULP

Date Completed: 18/01/88

SAMPLE NUMBER	Element Unit Method	Au ppm PM209	Au(R) ppm CHECKS			
1651863		0.01				
1651864		<0.01				
1651865		<0.01	<0.01			
1651866		0.01				
Detection Limit:		0.01				

Comments:

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Registered Laboratory 825

Signatory: G. Dunn

FORM ALS 01

APPENDIX 5

BISMUTH CREEK SOIL SAMPLE LEDGERS

193

CRA EXPLORATION PTY. LIMITED

March 1985

LINE 1200E

SAMPLE NUMBER	LOCATION						ROCK TYPE			MINERALISATION							METAL CONTENT ppm / %									Geological Observations
	Co-ordinates AMG / Grid					Interval																				
	East	North				From	To																			
1652449	1200E	200S		SL													15	20	15	<1	9	<5	70	0.70	0.02	
1652450	1200E	180S		SL													15	15	5	<1	5	<5	80	0.67	<0.01	
1652451	1200E	160S		SL													25	15	10	<1	6	10	55	0.73	<0.01	
1652452	1200E	140S		SL													25	25	15	<1	7	90	100	3.26	<0.01	
1652453	1200E	120S		SL													20	25	15	<1	5	40	155	2.39	<0.01	
1652454	1200E	100S		SL													35	30	25	<1	4	165	140	5.30	0.01	
1652455	1200E	80S		SL													30	15	25	<1	4	20	165	2.58	0.01	
1652456	1200E	60S		SL													30	30	165	1	<1	15	1.15%	11.7	0.01	
1652457	1200E	40S		SL													40	35	70	1	4	<5	1.60%	10.8	<0.01	
1652458	1200E	20S		SL													35	35	100	1	<1	10	9150	10.6	0.01	
1652459	1200E	00		SL													40	30	65	1	4	15	4200	8.23	0.01	
1652460	1200E	20N		SL													30	20	30	<1	5	20	720	5.25	0.01	
1652461	1200E	40N		SL													10	30	10	<1	15	<5	130	1.48	<0.01	
1652462	1200E	60N		SL													20	5	15	<1	15	<5	115	1.26	0.01	
1652463	1200E	80N		SL													15	10	15	<1	6	<5	250	1.27	<0.01	
1652464	1200E	100N		SL													35	40	5	<1	32	<5	65	1.42	<0.01	
1652465	1200E	120N		SL													25	40	20	8	32	<5	200	2.47	0.01	
1652466	1200E	140N		SL													10	<5	5	<1	6	<5	55	0.73	0.01	
1652467	1200E	160N		SL													15	20	15	<1	10	35	75	3.21	<0.01	
																	2	5	2	1	1	5	5	0.01	0.01	
																	<				IC 580		→		PM 209	

GEOCHEMICAL ROCK SAMPLING LEDGER

DETECTION LIMIT

ANALYTICAL METHOD

TENEMENT NAME : MOINA 7174

PROJECT : Bismuth Ck soils AMG ZONE :

SHEET No. : 01

AREA / PROSPECT : SHEPHERD & MURPHY

DPO's : 38725

LABORATORY : ALS (BRISBANE)

MAP / PHOTO REF : TASK

SAMPLE No.'s : 1652449-1652467

COLLECTED BY : JH DATE : 29-6-87

769105

104

March 1985

CRA EXPLORATION PTY. LIMITED

LINE 1200E

SAMPLE NUMBER	LOCATION							ROCK TYPE			MINERALISATION							METAL CONTENT ppm / %									Geological Observations
	Co-ordinates AMG / Grid		ENCLOSURE	S. TYPE	WIDTH (m)	Interval		MAJOR ROCK	MINOR ROCK	ALTERATION	VISIBLE	STYLE	MAJOR	MINOR	MINOR	GANGUE	ICOS	Cu	Pb	Zn	Ag	As	Bi	Mn	Fe %	Au	
	East	North				From	To																				
1652468	1200E	180N		SL														45	<5	95	<1	2	<5	810	5.04	0.02	
1652469	1200E	200N		SL														55	20	105	<1	<1	20	2850	11.3	0.01	
DETECTION LIMIT																		2	5	2	1	1	5	5	0.01	0.01	
ANALYTICAL METHOD																		←			IC S80				→	PM209	

GEOCHEMICAL ROCK SAMPLING LEDGER

TENEMENT NAME : MOINA 7/74

PROJECT : Bismuth Ck soils AMG ZONE :

SHEET No. : 02

AREA / PROSPECT : SMEPERD & MURPHY

DPO's : 38725

LABORATORY : ALS (BRIS)

MAP / PHOTO REF : TASH

SAMPLE No.'s : 1652468 - 1652469

COLLECTED BY : JH DATE 29-6-87

901691

105

March 1985

CRA EXPLORATION PTY. LIMITED

LINE 1300E

SAMPLE NUMBER	LOCATION							ROCK TYPE			MINERALISATION							METAL CONTENT ppm / %									Geological Observations
	Co-ordinates AMG / Grid		EXPOSURE	S. TYPE	WIDTH (m)	Interval		MAJOR ROCK	MINOR ROCK	ALTERATION	VISIBLE	STYLE	MAJOR	MINOR	MINOR	GANGUE	LODE	Cu	Pb	Zn	Ag	As	Bi	Mn	Fe %	Au	
	East	North				From	To																				
1652470	1300E	300S		SC														20	10	25	<1	2	5	160	2·59	<0·01	
471	"	280S		SC														15	10	10	<1	<1	15	45	0·93	0·01	
472	"	260S		SC														5	25	5	<1	3	<5	30	0·30	<0·01	
473	"	240S		SC														10	<5	5	<1	1	<5	25	0·29	<0·01	
474	"	220S		SC														5	15	<2	<1	2	25	15	0·32	<0·01	
475	"	200S		SC														10	5	5	<1	3	<5	80	0·86	<0·01	
476	"	180S		SC														15	15	5	<1	4	<5	75	0·77	<0·01	
477	"	160S		SC														5	10	5	<1	2	<5	30	0·28	<0·01	
478	"	140S		SC														5	5	5	<1	2	<5	60	0·44	0·01	
479	"	120S		SC														25	10	5	<1	4	<5	30	0·64	<0·01	
480	"	100S		SC														10	10	2	<1	4	15	25	0·54	0·01	
481	"	80S		SC														25	10	5	<1	7	<5	80	2·08	<0·01	
482	"	60S		SC														10	10	15	<1	5	<5	65	1·02	<0·01	
483	"	40S		SC														35	5	10	<1	10	<5	100	1·73	<0·01	
484	"	20S		SC														15	25	10	<1	40	<5	65	1·01	<0·01	
485	"	00		SC														15	105	5	<1	19	<5	65	1·01	<0·01	
486	"	20N		SC														25	45	20	<1	60	<5	150	1·42	<0·01	
487	"	40N		SC														30	35	10	<1	26	<5	90	1·59	0·01	
1652488	"	60N		SC														10	<5	5	<1	14	<5	35	0·75	0·01	
																		2	5	2	1	1	5	5	0·01	0·01	
																		←			IC 5 80				→	PM209	

GEOCHEMICAL ROCK SAMPLING LEDGER

DETECTION LIMIT

ANALYTICAL METHOD

TENEMENT NAME : MOINA 7/74

PROJECT : Bismuth Ck. Soils AMG ZONE :

SHEET No. : 03

AREA / PROSPECT : SHEPHERD & MURPHY

DPO's : 38725

LABORATORY : ALS (BRIS)

MAP / PHOTO REF : TASH:

SAMPLE No's : 1652470 - 1652483

COLLECTED BY : JH DATE : 29-6-87

A69107

CRA EXPLORATION PTY. LIMITED

March 1985

SAMPLE NUMBER	LOCATION: Co-ordinates AMG / Grid East	North	Exposure	S. Type	Width (m)	Interval From	To	ROCK TYPE: Major Rock	Minor Rock	Alteration	MINERALISATION: Visible	Style	Major	Minor	Minor	Gangue	Log	METAL CONTENT ppm / %: Cu	Pb	Zn	Ag	As	Bi	Mn	Fe %	Au	Geological Observations
1652489	1300E	80N		SL														20	15	10	<1	22	<5	60	2.03	0.01	
1652490	1300E	100N		SL														30	20	15	<1	24	<5	115	2.14	<0.01	

GEOCHEMICAL ROCK SAMPLING LEDGER

	Cu	Pb	Zn	Ag	As	Bi	Mn	Fe %	Au
DETECTION LIMIT	2	5	2	1	1	5	5	0.01	0.01
ANALYTICAL METHOD	←			IC 580				→	PM209

TENEMENT NAME: MOINA 7/74

PROJECT: Bismuth Ck soils. AMG ZONE:

SHEET No.: 04

AREA / PROSPECT: SHEPHERD & MURPHY

DPO's: 38725

LABORATORY: ALS (BRIS)

MAP / PHOTO REF: TASh:

SAMPLE No.: 1652489-1652490

COLLECTED BY: JH

DATE: 29-6-87

801697

107

March 1985

CRA EXPLORATION PTY. LIMITED

LINE 1400E

SAMPLE NUMBER	LOCATION						ROCK TYPE			MINERALISATION						METAL CONTENT ppm / %								Geological Observations
	Co-ordinates AMG / Grid		EXPOSURE	S. TYPE	WIDTH (m)	Interval		MAJOR ROCK	MINOR ROCK	ALTERATION	VISIBLE	STYLE	MAJOR	MINOR	MINOR	GANGUE	LODE	Cu	Pb	Zn	Ag	As	Bi	Mn	Fe %	Au	
	East	North				From	To																			
1652491	1400E	400S		SL														65	<5	135	<1	<1	<5	550	9.81	<0.01	
492	"	380S		SL														20	80	20	<1	4	<5	75	1.87	<0.01	
493	"	360S		SL														10	10	15	<1	4	<5	105	1.32	<0.01	
494	"	340S		SL														30	15	20	<1	28	<5	55	3.99	<0.01	
495	"	320S		SL														35	20	40	<1	7	<5	85	4.33	0.01	
497	"	280S		SL														20	20	15	<1	6	15	65	4.89	0.01	
498	"	260S		SL														15	<5	10	<1	5	<5	75	1.11	0.01	
499	"	240S		SL														20	<5	5	<1	10	<5	65	1.27	0.01	
500	"	220S		SL														5	<5	2	<1	4	<5	35	1.06	0.01	
501	"	200S		SL														40	10	15	<1	28	<5	120	5.52	<0.01	
503	"	160S		SL														20	10	15	<1	36	<5	310	1.11	0.01	
504	"	140S		SL														25	20	40	<1	135	<5	810	2.59	0.01	
505	"	120S		SL														20	<5	15	<1	17	<5	185	1.60	0.02	
506	"	100S		SL														10	10	10	<1	7	<5	140	0.88	0.01	
507	"	80S		SL														30	75	15	<1	1100	<5	125	1.45	0.01	
508	"	60S		SL														15	80	5	<1	34	<5	55	0.79	0.01	
509	"	40S		SL														25	35	5	<1	1100	<5	85	1.33	0.02	
510	"	20S		SL														20	10	10	<1	75	<5	65	1.98	0.01	
1652511	"	00S		SL														15	5	10	<1	19	<5	80	1.40	0.01	
GEOCHEMICAL ROCK SAMPLING LEDGER										DETECTION LIMIT								2	5	2	1	1	5	5	0.01	0.01	
										ANALYTICAL METHOD								←			IC 580			→		PM 209	

TENEMENT NAME : MOINA 7/74 — PROJECT : Bismuth Ck soils — AMG ZONE : — SHEET No. : 05

AREA / PROSPECT : SHEPHERD & MURPHY — DPO's : 38725 — LABORATORY : ALS (BRIS)

MAP / PHOTO REF : TASK — SAMPLE No.'s : — COLLECTED BY : JH — DATE : 29-6-87

1691109

108

March 1985

CRA EXPLORATION PTY. LIMITED

LINE 1500E

SAMPLE NUMBER	LOCATION							ROCK TYPE			MINERALISATION						METAL CONTENT ppm / %									Geological Observations
	Co-ordinates AMG / Grid		OUTCROP	S TYPE	WIDTH (m)	Interval		MAJOR ROCK	MINOR ROCK	ALTERATION	VISIBLE	STYLE	MAJOR	MINOR	MINOR	GANGUE	LOCK	Cu	Pb	Zn	Ag	As	Bi	Mn	Fe %	Au	
	East	North				From	To																				
1652512	1500E	5005		SL														60	<5	95	<1	<1	<5	1150	8.76	0.01	
513	"	4805		SL														65	<5	110	1	<1	<5	1250	12.4	0.01	
514	"	4605		SL														60	<5	120	<1	<1	<5	1350	10.8	0.02	
515	"	4405		SL														55	<5	115	<1	<1	<5	980	10.5	0.02	
516	"	4205		SL														65	<5	140	<1	<1	<5	1100	13.0	0.01	
517	"	4005		SL														55	30	80	<1	<1	140	1100	7.58	0.01	
518	"	3805		SL														60	55	120	<1	<1	30	240	6.17	0.02	
519	"	3605		SL														55	65	35	<1	9	145	145	5.49	0.01	
520	"	3405		SL														25	35	25	<1	5	25	95	3.93	0.03	
521	"	3205		SL														20	45	15	<1	9	95	85	3.78	0.01	
522	"	3005		SL														15	30	15	<1	8	.5	60	2.19	0.01	
523	"	2805		SL														15	25	15	<1	8	10	70	3.57	0.02	
524	"	2605		SL														30	40	10	4	15	15	135	2.75	0.01	
525	"	2405		SL														30	20	20	<1	16	10	80	5.20	0.02	
527	"	2005		SL														10	45	5	<1	20	45	80	0.62	0.02	
528	"	1805		SL														20	30	15	<1	80	30	210	2.89	0.02	
529	"	1605		SL														30	45	15	<1	145	25	210	3.95	0.05	
530	"	1405		SL														60	55	25	<1	155	15	120	3.18	0.01	
531	1500E	1205		SL														55	50	50	<1	75	20	470	5.46	0.02	
1652532	1500E	1005		SL														65	55	100	<1	42	50	600	7.79	0.01	
																		DETECTION LIMIT			2	5	2	1	1	5	5	0.01	0.01
																		ANALYTICAL METHOD	←	—	—	IC 58	0	—	—	→		PM209

GEOCHEMICAL ROCK SAMPLING LEDGER

TENEMENT NAME : MOINA 7174

AREA / PROSPECT : SHEPHERD & MURPHY

MAP / PHOTO REF : TASH:

PROJECT : Bismuth Ck soils AMG ZONE :

DPO's : 38725

SAMPLE No.'s : 1652512 → 1652532

SHEET No. : 06

LABORATORY : ALS (BRIS)

COLLECTED BY : JH DATE : 29-6-87

01-1697

March 1985

109

CRA EXPLORATION PTY. LIMITED

LINE 1600E

SAMPLE NUMBER	LOCATION						ROCK TYPE			MINERALISATION						METAL CONTENT ppm / %									Geological Observations
	Co-ordinates AMG / Grid		EXPOSURE	SITE	WIDTH (m)	Interval	MAJOR ROCK	MINOR ROCK	ALTERATION	VISIBLE	STYLE	MAJOR	MINOR	MINOR	GANGUE	LODE	Cu	Pb	Zn	Ag	As	Bi	Mn	Fe %	Au	
	East	North				From To																				
1652533	1600E	600S		SL													50	15	80	<1	4	<5	830	7.24	0.01	
534	"	580S		SL													55	5	100	<1	<1	<5	740	7.60	<0.01	
535	"	560S		SL													50	5	95	<1	<1	<5	1150	6.63	0.01	
536	"	540S		SL													55	<5	90	<1	<1	<5	710	8.50	0.01	
538	"	500S		SL													70	<5	130	1	<1	<5	1700	12.2	0.01	
539	"	480S		SL													65	<5	105	1	<1	<5	900	13.0	0.01	
540	"	460S		SL													125	<5	2	2	<1	<5	25	1.70	0.01	
541	"	440S		SL													15	10	5	<1	3	<5	45	0.66	0.01	
542	"	420S		SL													10	20	2	<1	6	<5	15	0.37	0.02	
543	"	400S		SL													15	<5	5	<1	185	<5	35	1.23	0.01	
544	"	380S		SL													30	<5	5	<1	36	<5	20	1.03	0.01	
545	"	360S		SL													10	<5	5	<1	17	<5	45	1.11	0.01	
546	"	340S		SL													10	<5	2	<1	28	<5	35	0.99	0.01	
547	"	320S		SL													35	15	5	<1	40	<5	45	2.04	0.01	
548	"	300S		SL													5	<5	2	<1	9	10	25	0.40	0.01	
550	"	260S		SL													5	<5	5	<1	2	<5	40	0.21	0.01	
551	"	240S		SL													65	5	15	<1	15	30	175	1.96	0.01	
552	1600E	220S		SL													10	20	2	<1	3	<5	65	0.55	0.01	
1652553	1600E	200S		SL													5	5	5	<1	3	<5	35	0.29	0.02	
GEOCHEMICAL ROCK SAMPLING LEDGER																	DETECTION LIMIT			2	5	2	1	1	5	5	0.01	0.01	
																	ANALYTICAL METHOD			←				IC 580			→	PM209	

TENEMENT NAME : MOINA 7174 — PROJECT : Bismuth Ck soils · AMG ZONE : — SHEET No. : 07

AREA / PROSPECT : SHEPHERD & MURPHY — DPO's : 38725 — LABORATORY : ALS (BRIS)

MAP / PHOTO REF : TASH — SAMPLE No.'s : 1652533 → 1652553 — COLLECTED BY : JH — DATE : 29-6-87

769111

March 1985

110

CRA EXPLORATION PTY. LIMITED

LINE 1700E

SAMPLE NUMBER	LOCATION							ROCK TYPE			MINERALISATION						METAL CONTENT ppm / %									Geological Observations
	Co-ordinates AMG / Grid		EXPOSURE	S. TYPE	WIDTH (m)	Interval		MAJOR ROCK	MINOR ROCK	ALTERATION	VISIBLE	STYLE	MAJOR	MINOR	MINOR	GANGUE	LODE	Cu	Pb	Zn	Ag	As	Bi	Mn	Fe %	Au.	
	East	North				From	To																				
1652555	1700E	6805		SL														25	20	40	<1	1	<5	300	5.24	0.02	
556	"	6605		SL														30	<5	35	<1	2	<5	250	2.58	0.02	
557	"	6405		SL														50	10	80	<1	<1	<5	820	7.66	0.04	
558	"	6205		SL														10	15	10	<1	4	20	75	1.00	0.02	
559	"	6005		SL														10	15	10	<1	4	15	50	2.19	0.01	
560	"	5805		SL														5	10	<2	<1	5	<5	20	0.31	0.03	
561	"	5605		SL														5	10	2	<1	4	10	25	0.33	0.02	
562	"	5405		SL														5	5	2	<1	3	10	30	0.44	0.01	
563	"	5205		SL														10	20	10	<1	5	10	45	2.01	0.02	
564	"	5005		SL														5	10	2	<1	4	10	30	0.57	0.02	
565	"	4805		SL														5	5	2	<1	3	5	55	0.36	0.02	
566	"	4605		SL														10	<5	2	<1	2	<5	35	0.41	0.01	
571	"	3605		SL														10	<5	2	<1	3	5	30	0.76	<0.01	
572	"	3405		SL														15	15	5	<1	7	180	55	1.39	<0.01	
573	"	3205		SL														10	<5	2	<1	4	15	100	0.66	<0.01	
1652574	1700E	3005		SL														30	<5	<2	<1	5	10	45	1.51	<0.01	
DETECTION LIMIT																		2	5	2	1	1	5	5	0.01	0.01	
ANALYTICAL METHOD																		<			IC 580				→	PM209	

GEOCHEMICAL ROCK SAMPLING LEDGER

TENEMENT NAME : MOINA 7174

PROJECT : Bismuth Ck soils AMG ZONE :

SHEET No. : 08

AREA / PROSPECT : SHEPHERD & MURPHY

DPO's : 38725

LABORATORY : ALS (BRIS)

MAP / PHOTO REF : TASK

SAMPLE No.'s : 1652555 → 1652574

COLLECTED BY : JH DATE : 29-6-87

769112

111

March 1985

CRA EXPLORATION PTY. LIMITED

LINE 18006

SAMPLE NUMBER	LOCATION							ROCK TYPE			MINERALISATION						METAL CONTENT ppm / %									Geological Observations
	Co-ordinates AMG / Grid		EXPOSURE	S. TYPE	WIDTH (m)	Interval		MAJOR ROCK	MINOR ROCK	ALTERATION	VISIBLE	STYLE	MAJOR	MINOR	MINOR	GANGUE	LOOK	Cu	Pb	Zn	Ag	As	Bi	Mn	Fe %	Au	
	East	North				From	To																				
1652575	18006	8005		SL														60	5	85	<1	<1	<5	165	9.77	<0.01	
576	"	7805		SL														55	<5	50	<1	<1	<5	100	13.2	0.01	
577	"	7605		SL														70	<5	80	<1	<1	<5	105	8.23	<0.01	
578	"	7405		SL														65	10	70	<1	<1	<5	110	7.37	<0.01	
579	"	7205		SL														85	<5	75	1	<1	<5	85	10.4	<0.01	
580	"	7005		SL														35	10	65	<1	<1	<5	85	5.50	0.01	
581	"	6805		SL														20	20	15	<1	4	10	90	3.91	<0.01	
582	"	6605		SL														10	25	10	<1	5	25	85	2.10	<0.01	
583	"	6405		SL														10	25	10	<1	5	25	60	0.59	<0.01	
584	"	6205		SL														5	20	2	<1	6	10	30	0.57	<0.01	
585	"	6005		SL														45	20	5	<1	7	10	55	1.19	0.01	
586	"	5805		SL														30	10	2	<1	5	5	45	0.63	<0.01	
587	"	5605		SL														140	5	5	<1	17	10	95	1.54	0.01	
588	"	5405		SL														10	5	<2	<1	4	5	30	0.54	0.01	
589	"	5205		SL														10	25	10	<1	6	20	40	0.79	0.01	
590	"	5005		SL														5	15	<2	<1	5	10	20	0.32	0.01	
591	"	4805		SL														5	20	2	<1	8	10	40	0.56	<0.01	
592	"	4605		SL														5	15	2	<1	5	10	35	0.58	<0.01	
593	"	4405		SL														5	15	2	<1	3	<5	40	0.57	<0.01	
594	18006	4205		SL														15	20	<2	<1	5	<5	30	0.50	<0.01	
1652595	18006	4005		SL														10	<5	5	<1	3	15	45	0.36	0.01	
																		2	5	2	1	1	5	5	0.01	0.01	
GEOCHEMICAL ROCK SAMPLING LEDGER											DETECTION LIMIT															
											ANALYTICAL METHOD							←	—	—	IC 580	—	—	→		PM209	

TENEMENT NAME : MOINA 7/74

PROJECT : Bismuth Ck soils. AMG ZONE :

SHEET No. : 09

AREA / PROSPECT SHEPHERD & MURPHY

DPO's : 38725

LABORATORY : ALS (BRISBANE)

MAP / PHOTO REF TASK:

SAMPLE No.'s : 1652575 → 1652595

COLLECTED BY : JH DATE : 29-6-87

16691 13

March 1985

112

CRA EXPLORATION PTY. LIMITED

LINE 1900E

SAMPLE NUMBER	LOCATION Co-ordinates AMG / Grid East	North	OUTCROP	S TYPE	WIDTH (m)	Interval From	To	ROCK TYPE MAJOR ROCK	MINOR ROCK	ALTERATION	MINERALISATION VISIBLE	STYLE	MAJOR	MINOR	MINOR	GANGUE	LODE	METAL CONTENT ppm / % Cu	Pb	Zn	Ag	As	Bi	Mn	Fe %	Au	Geological Observations
1652596	19006	9005		SL														80	<5	175	<1	<1	<5	840	13·2	0·01	
597	"	8805		SL														80	<5	60	<1	<1	<5	120	7·09	<0·01	
598	"	8605		SL														70	<5	65	1	<1	<5	120	9·85	0·01	
599	"	8405		SL														60	<5	70	1	<1	<5	210	8·54	0·01	
1652600	"	8205		SL														95	<5	65	1	<1	<5	280	12·5	0·02	
1652301	"	8005		SL														85	<5	65	1	<1	<5	145	9·92	0·01	
302	"	7805		SL														65	<5	15	1	<1	<5	125	7·91	0·01	
304	"	7405		SL														10	20	5	<1	2	<5	35	0·86	0·01	
306	"	7005		SL														10	35	5	<1	3	<5	50	1·22	0·01	
307	"	6805		SL														15	50	15	<1	<1	<5	55	1·55	0·01	
308	"	6605		SL														5	130	5	<1	5	<5	350	0·46	0·01	
309	"	6405		SL														15	30	30	<1	<1	25	55	0·68	0·01	
310	"	6205		SL														10	25	10	<1	3	20	80	1·13	0·01	
311	"	6005		SL														15	25	15	<1	4	15	75	2·06	0·02	
212	"	5805		SL														15	110	5	<1	<1	25	40	1·33	0·05	
313	"	5605		SL														5	25	10	<1	<1	45	25	3·52	<0·01	
315	"	5205		SL														35	65	10	<1	22	20	45	1·28	0·02	
1652316	"	5005		SL														5	10	5	<1	3	<5	65	0·61	0·01	
DETECTION LIMIT																		2	5	2	1	1	5	5	0·01	0·01	
ANALYTICAL METHOD																		←			IC580			→		PM209	

GEOCHEMICAL ROCK SAMPLING LEDGER

TENEMENT NAME : MOINA 7/74

AREA / PROSPECT : SHEPHERD & MURPHY

MAP / PHOTO REF : TASK:

PROJECT : Bismuth Ck. soils AMG ZONE :

DPO's : 38725

SAMPLE No.'s : 1652596 → 1652600
1652301 → 1652316

SHEET No. : 10

LABORATORY : ALS (BRIS)

COLLECTED BY : JH DATE : 29-6-87

March 1985

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CRA EXPLORATION PTY. LIMITED

LINE 2000E

SAMPLE NUMBER	LOCATION							ROCK TYPE			MINERALISATION						METAL CONTENT ppm / %									Geological Observations
	Co-ordinates AMG / Grid		ELEVATION	S TYPE	WIDTH (m)	Interval		MAJOR ROCK	MINOR ROCK	ALTERATION	VISIBLE	STYLE	MAJOR	MINOR	MINOR	GANGUE	LOG									
	East	North				From	To											Cu	Pb	Zn	Ag	As	Bi	Mn	Fe %	Au	
1652323	2000E	8805		SL														110	<5	95	1	<1	<5	440	15.7	0.02	
324	"	8605		SL														50	<5	20	1	<1	10	85	5.72	0.01	
325	"	8405		SL														10	40	5	<1	2	20	40	1.35	0.01	
326	"	8205		SL														5	10	5	<1	3	15	40	0.85	0.01	
327	"	8005		SL														5	25	5	<1	4	10	85	2.42	0.01	
329	"	7605		SL														5	40	10	<1	1	15	65	1.72	<0.01	
330	"	7405		SL														10	30	15	<1	<1	10	40	1.80	0.01	
331	"	7205		SL														5	55	10	<1	<1	15	65	1.32	0.07	
332	"	7005		SL														20	25	30	<1	<1	30	115	5.58	0.07	
333	"	6805		SL														10	25	10	<1	4	60	135	2.88	0.01	
334	"	6605		SL														10	40	30	<1	2	30	100	1.64	0.03	
1652335	"	6405		SL														5	45	10	<1	<1	15	25	0.73	0.02	
DETECTION LIMIT																		1	5	2	1	1	5	5	0.01	0.01	
ANALYTICAL METHOD																		←			IC580				→	PM209	

GEOCHEMICAL ROCK SAMPLING LEDGER

TENEMENT NAME : MOINA 7174

AREA / PROSPECT : SHEPHERD & MURPHY

MAP / PHOTO REF : TASK

PROJECT : Bismuth Ch soil AMG ZONE :

DPO's : 38725

SAMPLE No.'s : 1652323 → 1652335

SHEET No. : 11

LABORATORY : ALS (BRIS)

COLLECTED BY : JH DATE : 29-6-87

269116

March 1985

114

CRA EXPLORATION PTY. LIMITED

LINE 2100E

SAMPLE NUMBER	LOCATION							ROCK TYPE			MINERALISATION						METAL CONTENT ppm / %									Geological Observations
	Co-ordinates AMG / Grid		EXPOSURE	S TYPE	WIDTH (m)	Interval		MAJOR ROCK	MINOR ROCK	ALTERATION	VISIBLE	STYLE	MAJOR	MINOR	MINOR	GANGUE	LODE	Cu	Pb	Zn	Ag	As	Bi	Mn	Fe %	Au	
	East	North				From	To																				
1652338	2100E	11005		SL														85	<5	125	1	<1	<5	540	16.6	0.02	
339	2100E	10805		SL														90	<5	120	<1	<1	<5	510	15.7	0.03	
340	"	10605		SL														90	<5	135	1	<1	<5	500	14.6	0.01	
341	"	10405		SL														95	<5	145	1	<1	<5	520	15.6	0.03	
342	"	10205		SL														20	20	75	1	<1	<5	260	14.4	0.02	
343	"	10005		SL														50	<5	25	1	<1	<5	105	7.31	0.01	
344	"	9805		SL														5	60	15	<1	<1	<5	25	0.88	<0.01	
345	"	9605		SL														5	620	45	<1	4	<5	50	1.19	0.01	
346	"	9405		SL														5	85	5	<1	3	10	90	0.83	0.02	
347	"	9205		SL														5	35	5	<1	2	15	65	0.72	0.02	
348	"	9005		SL														5	10	5	<1	2	<5	55	0.44	0.01	
349	"	8805		SL														5	15	5	<1	3	<5	30	0.73	0.02	
350	"	8605		SL														5	35	20	<1	1	<5	135	0.96	0.02	
351	"	8405		SL														5	35	5	<1	<1	5	50	0.44	0.02	
352	"	8205		SL														5	25	5	<1	2	10	90	1.75	0.01	
353	"	8005		SL														15	20	25	<1	2	5	95	4.58	0.01	
354	"	7805		SL														10	20	15	<1	3	15	95	2.30	0.02	
355	"	7605		SL														20	30	15	<1	<1	10	40	0.67	<0.01	
356	"	7405		SL														25	25	65	<1	<1	10	340	2.13	0.02	
357	"	7205		SL														25	45	60	<1	<1	<5	175	1.25	0.01	
1652358	2100E	7005		SL														20	25	65	<1	<1	40	310	2.49	0.02	
																		2	5	2	1	1	5	5	0.01	0.01	
																		←			IC 580				→	PM209	

GEOCHEMICAL ROCK SAMPLING LEDGER

DETECTION LIMIT

ANALYTICAL METHOD

TENEMENT NAME : MOINA 7/74

PROJECT : Bismuth Ck soils AMG ZONE :

SHEET No. : 12

AREA / PROSPECT : SHEPHERD & MURPHY

DPO's : 38725

LABORATORY : ALS (BRIS)

MAP / PHOTO REF : TASH

SAMPLE No.'s : 1652336 → 1652358

COLLECTED BY : JH DATE : 29-6-87

769116

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March 1985

CRA EXPLORATION PTY. LIMITED

LINE 2200E

SAMPLE NUMBER	LOCATION							ROCK TYPE			MINERALISATION							METAL CONTENT ppm / %									Geological Observations
	Co-ordinates AMG / Grid		EXPOSURE	S. TYPE	WIDTH (m)	Interval		MAJOR ROCK	MINOR ROCK	ALTERATION	VISIBLE	STYLE	MAJOR	MINOR	MINOR	GANGUE	LODE	Cu	Pb	Zn	Ag	As	Bi	Mn	Fe %	Au	
	East	North				From	To																				
1652359	2200E	1200S		SL														10	40	10	<1	2	5	45	0.90	0.03	
360	"	1180S		SL														2	30	2	<1	1	5	30	0.40	0.02	
361	"	1160S		SL														2	35	<2	<1	3	<5	35	0.38	0.02	
362	"	1140S		SL														2	25	5	<1	2	<5	40	0.89	0.02	
364	"	1100S		SL														10	65	5	<1	4	<5	55	1.03	0.01	
365	"	1080S		SL														5	25	10	<1	4	<5	130	0.63	0.02	
366	"	1060S		SL														5	30	2	<1	3	<5	30	0.45	0.02	
367	"	1040S		SL														5	70	10	<1	3	<5	65	1.43	0.02	
368	"	1020S		SL														5	300	5	<1	3	5	35	1.32	0.02	
369	"	1000S		SL														2	30	<2	<1	5	.5	25	0.78	0.01	
370	"	980S		SL														5	35	75	<1	2	<5	230	2.26	0.01	
371	"	960S		SL														10	30	35	<1	2	<5	185	1.48	0.01	
372	"	940S		SL														10	30	10	<1	<1	<5	105	0.61	0.01	
373	"	920S		SL														15	50	15	<1	3	<5	60	0.87	0.01	
374	"	900S		SL														10	95	35	<1	<1	10	85	0.77	0.02	
375	"	880S		SL														15	30	90	<1	<1	<5	200	4.15	0.01	
376	"	860S		SL														15	35	55	<1	<1	<5	185	2.31	0.03	
377	"	840S		SL														25	25	55	<1	<1	<5	115	4.18	0.03	
1652378	"	820S		SL														5	40	20	<1	3	<5	45	0.73	0.02	
																		2	5	2	1	1	5	5	0.01	0.01	
																		←				1C580			→	PM209	

GEOCHEMICAL ROCK SAMPLING LEDGER

DETECTION LIMIT

ANALYTICAL METHOD

TENEMENT NAME : MOINA 7/74

PROJECT : Bismuth Ck soils, AMG ZONE :

SHEET No. : 13

AREA / PROSPECT : SHEPHERD & MURPHY

DPO's : 38725

LABORATORY : ALS (BRIS)

MAP / PHOTO REF : TASH:

SAMPLE No.'s : 1652359 → 1652378

COLLECTED BY : JH

DATE : 29-6-87

769111

March 1985

CRA EXPLORATION PTY. LIMITED

LINE 2300E

SAMPLE NUMBER	LOCATION							ROCK TYPE			MINERALISATION						METAL CONTENT ppm / %									Geological Observations
	Co-ordinates AMG / Grid		EXPOSURE	S. TYPE	WIDTH (m)	Interval		MAJOR ROCK	MINOR ROCK	ALTERATION	VISIBLE	STYLE	MAJOR	MINOR	MINOR	GANGUE	LOCK									
	East	North				From	To											Cu	Pb	Zn	Ag	As	Bi	Mn	Fe %	Au	
1652380	2300E	13005		SL														85	<5	150	1	<1	<5	470	13.3	0.01	
381	2300E	12805		SL														75	<5	100	1	<1	<5	470	17.2	0.02	
382	"	12605		SL														5	65	115	<1	<1	<5	240	2.56	0.06	
383	"	12405		SL														50	10	135	1	<1	<5	470	12.1	<0.01	
384	"	12205		SL														60	10	120	1	<1	<5	440	12.1	<0.01	
385	"	12005		SL														30	15	70	<1	2	<5	160	5.49	0.01	
386	"	11805		SL														75	<5	135	1	<1	<5	300	15.3	0.01	
387	"	11605		SL														50	30	25	1	<1	<5	45	1.64	0.01	
388	"	11405		SL														20	40	20	<1	3	<5	70	5.13	0.01	
389	"	11205		SL														35	35	40	<1	<1	<5	200	9.78	0.02	
390	"	11005		SL														5	95	5	<1	3	<5	40	1.32	0.01	
391	"	10805		SL														5	100	5	<1	4	<5	35	1.01	<0.01	
392	"	10605		SL														15	75	270	<1	<1	<5	720	4.33	0.01	
393	"	10405		SL														20	35	30	<1	<1	<5	155	0.63	<0.01	
394	"	10205		SL														15	40	10	<1	<1	<5	110	0.26	0.02	
395	"	10005		SL														5	25	10	<1	2	<5	75	0.83	0.01	
396	"	9805		SL														5	15	5	<1	4	<5	45	0.73	0.01	
397	"	9605		SL														5	35	10	<1	1	<5	35	0.51	0.01	
398	"	9405		SL														10	3800	170	<1	4	<5	60	1.38	0.08	
399	"	9205		SL														70	15	180	<1	<1	<5	1650	12.6	0.01	
1652400	"	9005		SL														5	25	16	<1	3	<5	80	1.35	0.01	
																		2	5	2	1	1	5	5	0.01	0.01	
GEOCHEMICAL ROCK SAMPLING LEDGER											DETECTION LIMIT															
											ANALYTICAL METHOD							←				1C680		→		PM 209	

TENEMENT NAME : MOINA 7174

PROJECT : Bismuth Ck soils. AMG ZONE :

SHEET No. : 14

AREA / PROSPECT : SHEPHERDZ MURPHY

OPO's : 38725

LABORATORY : ALS (BRIS)

MAP / PHOTO REF : TASH

SAMPLE No's : 1652380 → 1652400

COLLECTED BY : JH

DATE : 29-6-87

769118

APPENDIX 6

ISIS RIVER SOIL SAMPLE LEDGERS

March 1985

CRA EXPLORATION PTY. LIMITED

SAMPLE NUMBER	LOCATION: Co-ordinates AMG / Grid: WEST	SOUTH	EXPOSURE	S TYPE	WIDTH (m)	Interval: From	To	ROCK TYPE: MAJOR ROCK	MINOR ROCK	ALTERATION	MINERALISATION: VISIBLE	STYLE	MAJOR	MINOR	MINOR	GANGUE	CODE	METAL CONTENT ppm / %: Bi ppm IC581	Mn ppm IC581	Mo ppm IC581	Au ppm PM209	Au(R) ppm Checks	Cu ppm IC581	Pb ppm IC581	Zn ppm IC581	Ag ppm IC581	Fe % IC581	Geological Observations
1651901	900	000																5	1000	<5	0·01	0·01	40	45	105	1	6·32	
902	"	020																<5	1400	<5	<0·01		35	55	110	2	7·43	
903	"	040																<5	1400	<5	<0·01		35	55	70	2	6·01	
904	"	060																<5	3750	<5	0·01		1300	85	105	2	7·05	
905	"	080																<5	390	<5	0·01		40	60	55	2	8·97	
906	"	100																<5	590	<5	<0·01		35	65	40	1	8·10	
907	"	120																<5	2600	<5	0·01		40	110	170	2	8·05	
908	"	140																<5	1·14%	<5	0·01		45	130	110	2	8·00	
909	"	160																<5	4250	<5	<0·01		45	45	320	1	6·49	
910	"	180																5	1·31%	10	0·02		35	45	230	2	7·41	
911	"	200																5	960	<5	0·01	0·01	50	55	140	1	5·25	
912	"	220																80	5950	<5	0·04		210	70	250	2	9·57	
913	"	240																15	1650	<5	0·01		30	40	60	1	5·59	
914	"	260																10	1200	<5	0·01		25	30	90	1	4·27	
915	"	280																95	7000	<5	0·02		100	40	175	2	9·04	
916	"	300																100	9450	<5	0·02		35	80	130	2	9·13	
917	"	320																5	9050	15	<0·01		20	40	185	2	7·15	
1651918	900	340																<5	3050	<5	<0·01		35	115	280	2	8·89	
NS	900	360		CO-ORD			IN	RIVER																				

GEOCHEMICAL ROCK SAMPLING LEDGER

DETECTION LIMIT

ANALYTICAL METHOD

TENEMENT NAME: MOINA EL 7/74	PROJECT: IRIS RV SOILS AMG ZONE:	SHEET No.: 01
AREA / PROSPECT: MAIN SRM GRID	OPO's: 35034	LABORATORY: ALS (BRIS)
MAP / PHOTO REF: TASK 3537	SAMPLE No.s: 1651901 — 1651918	COLLECTED BY: FF/RC DATE: 1-10-87

769120

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March 1985

CRA EXPLORATION PTY. LIMITED

SAMPLE NUMBER	LOCATION						ROCK TYPE			MINERALISATION						METAL CONTENT ppm / %									Geological observations
	Co-ordinates AMG / Grid		OUTCROP	S. TYPE	WIDTH (m)	Interval	MAJOR ROCK	MINOR ROCK	ALTERATION	VISIBLE	STYLE	MAJOR	MINOR	MINOR	GANGUE	Bi ppm	Mn ppm	Mo ppm	Au ppb	Au(R) ppb	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Fe %	
	WEST	SOUTH				From To										ICS81	ICS81	ICS81	PM209	checks	ICS81	ICS81	ICS81	ICS81	ICS81	
1651919	900	380														<5	1050	<5	0.01		20	45	135	1	5.35	
920	"	400														<5	1050	<5	0.01		20	55	135	1	5.37	
921	"	420														<5	1000	<5	<0.01	<0.01	30	55	90	2	9.19	
922	"	440														<5	580	<5	0.03		30	75	75	2	10.0	
923	"	460														<5	360	<5	<0.01		25	40	55	2	7.69	
924	"	480														5	300	<5	0.02		25	70	85	2	7.22	
925	"	500														<5	210	<5	0.01		20	60	65	2	5.99	
926	"	520														5	580	<5	0.01		20	125	60	1	4.08	
927	"	540														<5	630	<5	0.01		35	75	140	2	6.65	
928	"	560														5	300	<5	0.06		30	65	105	2	7.36	
929	"	580														<5	200	<5	<0.01		15	50	70	2	6.16	
930	"	600														<5	670	<5	0.01		40	70	115	2	8.84	
931	"	620														<5	760	<5	<0.01		25	85	150	2	6.12	
932	"	640														<5	1150	<5	<0.01		20	85	130	2	7.06	
933	"	660														<5	230	<5	<0.01	<0.01	20	65	105	2	6.22	
934	"	680														<5	470	<5	0.01		30	120	185	2	6.62	
935	"	700														<5	230	<5	<0.01		20	75	160	2	4.33	
936	"	720														<5	110	<5	<0.01		25	70	165	1	5.68	
937	"	740														110	3250	<5	0.01		65	135	180	2	10.6	

GEOCHEMICAL ROCK SAMPLING LEDGER

DETECTION LIMIT

ANALYTICAL METHOD

TENEMENT NAME : MOINA EL 7/74

PROJECT : IRIS RV SOILS AMG ZONE :

SHEET No. : 02

AREA / PROSPECT : MAIN S&M GRID

DPO's : 35034

LABORATORY : ALS (BRIS)

MAP / PHOTO REF : TASA 3537

SAMPLE No.'s : 1651919 – 1651937

COLLECTED BY : FF/RC DATE : 1-10-87

1691121

March 1985

CRA EXPLORATION PTY. LIMITED

120

SAMPLE NUMBER	LOCATION							ROCK TYPE			MINERALISATION							METAL CONTENT ppm / %									Geological Observations
	Co-ordinates AMG / Grid					Interval																					
	WEST	SOUTH				From	To											Bi ppm IC581	Mn ppm IC581	Mo ppm IC581	Au ppm PM209	Au(R) ppm checks	Cu ppm IC581	Pb ppm IC581	Zn ppm IC581	Ag ppm IC581	Fe % IC581	
1651938	900	760																15	4.67%	<5	<0.01	<0.01	35	45	410	2	12.2	
939	"	780																60	1.09%	<5	<0.01		70	100	240	2	9.89	
940	"	800																110	5250	<5	<0.01		70	185	150	2	10.8	
941	"	820																90	3500	<5	<0.01		65	125	115	2	9.21	
942	"	840																160	8900	<5	0.01		65	260	145	3	8.90	
943	"	860																40	2550	<5	<0.01		35	75	85	1	4.71	
944	"	880																70	9250	<5	<0.01		125	240	380	2	7.71	
945	"	900																90	6800	<5	<0.01	<0.01	115	160	470	3	5.99	
946	"	920																280	6100	<5	<0.01		95	310	220	4	7.11	
947	"	940																260	1.32%	<5	0.02		70	180	330	3	13.4	
948	"	960																270	9250	<5	0.02		30	170	80	2	10.8	
949	"	980																280	1.26%	<5	0.03		40	240	90	3	11.6	
1651950	900	1000																120	9400	<5	<0.01		85	95	130	3	10.6	

GEOCHEMICAL ROCK SAMPLING LEDGER

DETECTION LIMIT

ANALYTICAL METHOD

TENEMENT NAME : MOINA EL 7/74

PROJECT : IRIS Ru SOILS AMG ZONE :

SHEET No. : 03

AREA / PROSPECT : MAIN SAM GRID

DPO's : 35034

LABORATORY : ACS (BRIS)

MAP / PHOTO REF : TASL 3537

SAMPLE No's : 1651938-1651950

COLLECTED BY : FF/RC DATE : 1-10-87

7691122

March 1985

CRA EXPLORATION PTY. LIMITED

SAMPLE NUMBER	LOCATION Co-ordinates AMG / Grid WEST	SOUTH	LANDUSE	S. TYPE	WIDTH (m)	Interval From	To	ROCK TYPE MAJOR ROCK	MINOR ROCK	ALTERATION	MINERALISATION VISIBLE	STYLE	MAJOR	MINOR	MINOR	GANGUE	LOCK	METAL CONTENT ppm / % Bi ppm IC581	Mn ppm IC581	Mo ppm IC581	Au ppm PM209	Au(R) ppm checks	Cu ppm IC581	Pb ppm IC581	Zn ppm IC581	Ag ppm IC581	Fe %	Geological Observations
1651501	1000	000																<5	680	<5	<0.01		15	25	95	1	4.67	River Bank
502	"	020																<5	620	<5	<0.01		10	20	85	1	3.83	" "
503	"	040																<5	1050	<5	<0.01		15	5	45	1	2.43	
504	"	060																<5	5600	<5	0.02		15	15	65	2	5.83	
505	"	080																5	1550	<5	<0.01		25	25	70	2	6.11	
506	"	100																50	1050	<5	0.03		85	40	95	3	9.44	
507	"	120																10	1050	<5	0.01		35	25	60	3	8.03	
508	"	140																30	1150	<5	0.02		35	35	60	2	9.37	
509	"	160																70	3750	<5	0.06		40	40	70	3	10.3	
510	"	180																30	4550	<5	0.03		30	40	85	2	8.49	
511	"	200																20	3850	<5	0.03		35	60	75	2	9.19	
512	"	220																40	7700	<5	0.01		55	50	55	3	11.6	
513	"	240																50	4950	<5	0.01		25	25	65	1	7.3	
514	"	260																20	400	<5	0.01		15	20	25	2	6.05	
515	"	280																<5	290	<5	0.03		25	50	40	4	7.88	
516	"	300																440	3950	5	<0.01		120	15	85	4	21.9	
517	"	320																380	1.00%	<5	<0.01	<0.01	45	<5	60	3	19.9	
518	"	340																150	1.04%	<5	<0.01	<0.01	30	15	50	2	9.42	
1651519	"	360																270	7650	<5	<0.01		60	25	70	3	11.6	

GEOCHEMICAL ROCK SAMPLING LEDGER

DETECTION LIMIT

ANALYTICAL METHOD

TENEMENT NAME : MOINA EL 7/74

PROJECT : IRIS Rv SOILS

AMG ZONE :

SHEET No. : 01

AREA / PROSPECT : MAIN S&M GRID

DPO's : 35034

LABORATORY : ALS (BRIS)

MAP / PHOTO REF : TASL 3337

SAMPLE No's : 161501-519

COLLECTED BY : FF/KC

DATE : 1-10-87

769123

122

March 1985

CRA EXPLORATION PTY. LIMITED

SAMPLE NUMBER	LOCATION							ROCK TYPE			MINERALISATION						METAL CONTENT ppm / %										Geological Observations
	Co-ordinates AMG / Grid		EXPOSURE	S. TYPE	WIDTH (m)	Interval		MAJOR ROCK	MINOR ROCK	ALTERATION	VISIBLE	STYLE	MAJOR	MINOR	MINOR	GANGUE	LOGS	Bi ppm ICS81	Mn ppm ICS81	Mo ppm ICS81	Au ppm PM209	Au(R) ppm checks	Cu ppm ICS81	Pb ppm ICS81	Zn ppm ICS81	Ag ppm ICS81	Fe % ICS81	
	WEST	SOUTH				From	To																				
165/520	1000	380																50	2400	<5	0·01		10	35	25	1	4·41	River Bank
521	"	400																470	1·35%	<5	0·04		45	180	195	3	14·0	
522	"	420																10	1438	<5	<0·01		25		140	3	11·9	
523	"	440																5	330	<5	0·01		10	10	15	2	5·01	C-B Hoing
524	"	460																<5	230	<5	<0·01		10	15	5	1	4·05	" "
525	"	480																<5	140	<5	<0·01		15	20	10	1	4·27	" "
526	"	500																<5	180	<5	<0·01		20	15	20	2	6·80	" "
527	"	520																<5	260	<5	<0·01		25	35	30	3	8·36	" "
528	"	540																<5	270	<5	<0·01		20	15	20	2	7·06	
529	"	560																<5	420	<5	0·06		20	15	40	3	7·53	
530	"	580																<5	640	<5	0·01		10	30	85	2	3·47	C-B Hoing
531	"	600																<5	1900	<5	0·05		55	55	95	4	11·2	
532	"	620																<5	350	<5	0·06		30	50	85	2	8·62	
533	"	640																<5	200	<5	0·03		20	60	115	3	11·0	
534	"	660																<5	2100	<5	<0·01		40	35	65	3	11·1	
535	"	680																<5	3500	<5	0·04	0·01	40	20	80	3	9·62	
536	"	700																5	3300	<5	0·03	0·01	45	20	110	3	10·8	C-B Hoing
537	"	720																50	4000	<5	<0·01		60	35	160	3	11·7	
538	"	740																50	8450	10	<0·01		65	45	195	2	9·49	

GEOCHEMICAL ROCK SAMPLING LEDGER

DETECTION LIMIT

ANALYTICAL METHOD

TENEMENT NAME : MOINA EL 7/74

PROJECT : IRIS RIVER SOILS AMG ZONE :

SHEET No. : 02

AREA / PROSPECT MAIN S&M GRID

DPO's : 35034

LABORATORY : ALS (BRIS)

MAP / PHOTO REF TAS4 5537

SAMPLE No.'s : 165/520 - 165/538

COLLECTED BY : F.F/RC DATE : 1-10-87

769124

123

CRA EXPLORATION PTY. LIMITED

March 1985

SAMPLE NUMBER	LOCATION							ROCK TYPE			MINERALISATION						METAL CONTENT ppm / %									Geological observations
	Co-ordinates AMG / Grid		OUTCROP	S. TYPE	WIDTH (m)	Interval		MAJOR ROCK	MINOR ROCK	ALTERATION	VISIBLE	STYLE	MAJOR	MINOR	MINOR	GANGUE	LOCK	Bi ppm (ICP581)	Mn ppm (ICP581)	Mo ppm (ICP581)	Ag ppm (PM209)	Au(R) ppm (Checks)	Cu ppm (ICP581)	Pb ppm (ICP581)	Zn ppm (ICP581)	Ag ppm (ICP581)	Fe % (ICP581)	
	WEST	SOUTH				From	To																				
165/539	1000	760																90	3550	5	<0.01		30	75	150	2	4.88	
540	"	780																50	4100	5	0.01		55	95	230	2	9.06	
541	"	800																140	6500	<5	<0.01		65	70	290	2	8.95	
543	"	820																920	2.53%	<5	0.03		330	590	800	7	22.4	
543	"	840																360	1.35%	<5	0.02		135	260	300	6	16.9	
544	"	860																470	1.52%	<5	0.02		260	490	400	6	13.9	
545	"	880																60	3100	<5	0.01		70	140	195	4	12.8	
546	"	900																5	230	<5	<0.01		20	45	25	2	5.98	
547	"	920																<5	1.05%	<5	0.01		30	70	100	2	8.51	
548	"	940																<5	1550	<5	0.03		80	75	380	4	12.5	
549	"	960																<5	340	<5	<0.01		75	60	260	4	11.5	
550	"	980																<5	550	<5	0.01		40	65	60	3	13.3	
165/551	1000W	1000S																<5	70	<5	0.01		<5	10	<5	<1	0.75	

GEOCHEMICAL ROCK SAMPLING LEDGER

DETECTION LIMIT

ANALYTICAL METHOD

TENEMENT NAME : MOINA EL 7/74

PROJECT : IRIS RIVER SOILS AMG ZONE :

SHEET No. : 03

AREA / PROSPECT MAIN S&M GRID

DPO's : 35034

LABORATORY : ALS (BRIS)

MAP / PHOTO REF TASK 3537

SAMPLE No's : 165/539 - 165/551

COLLECTED BY : FF/RC DATE : 1-10-87

769125

104

March 1985

CRA EXPLORATION PTY. LIMITED

SAMPLE NUMBER	LOCATION							ROCK TYPE			MINERALISATION						METAL CONTENT ppm / %									Geological observations
	Co-ordinates AMG / Grid					Interval																				
	WEST	SOUTH				From	To										Bi ppm IC581	Mn ppm IC581	Mo ppm IC581	Au ppm FA/GC	Au(R) ppm checks	Cu ppm IC581	Pb ppm IC581	Zn ppm IC581	Ag ppm IC581	Fe % IC581	
1651301	1100	000															<5	1250	<5	0·01		40	30	85	2	552	
302	1100	020															<5	1450	<5	0·01		30	45	85	2	383	
303	"	040															<5	2600	<5	<0·01		25	40	105	2	538	
304	"	060															<5	6450	<5	<0·01		35	25	60	3	426	
305	"	080															20	5000	<5	0·02		210	35	95	3	752	
306	"	100															<5	770	<5	<0·01		20	30	85	1	525	
307	"	120															<5	580	<5	<0·01		5	<5	15	1	468	
308	"	140															<5	2800	<5	<0·01		35	<5	100	1	962	
309	"	160															120	3650	<5	<0·01		65	40	210	2	11·4	
310	"	180															160	3700	<5	0·01		80	70	290	3	11·6	
311	"	200															140	3450	<5	<0·01		70	70	360	2	896	
312	"	220															90	3400	<5	0·01		60	70	350	1	696	
313	"	240															280	7950	<5	0·03	002	95	90	660	2	972	
314	"	260															20	900	<5	001		30	50	350	2	824	
315	"	280															340	1150	<5	0·18		70	110	230	2	747	
316	"	300															1450	7950	15	0·71		170	80	740	1	941	
317	"	320															300	9650	<5	0·01	001	110	65	240	2	11·1	
318	"	340															10	1750	<5	008	0·10	55	10	130	2	968	
1651319	1100	360															610	8900	<5	0·04		35	70	105	2	140	

GEOCHEMICAL ROCK SAMPLING LEDGER

DETECTION LIMIT

ANALYTICAL METHOD

TENEMENT NAME : MOINA EL 7/74

PROJECT : IRIS RIVER SOILS AMG ZONE :

SHEET No. : 01

AREA / PROSPECT : MAIN S&M GRID

DPO's : 35034

LABORATORY : ALS (BRIS)

MAP / PHOTO REF : TAS4 3537

SAMPLE No.'s : 1651301 - 1319

COLLECTED BY : FF/RC DATE : 1-10-87

7691926

March 1985

CRA EXPLORATION PTY. LIMITED

SAMPLE NUMBER	LOCATION Co-ordinates AMG / Grid WEST	SOUTH	Lithology	S. Type	Width (m)	Interval From	To	ROCK TYPE Major Rock	Minor Rock	Alteration	MINERALISATION Visible	Style	Major	Minor	Minor	Gangue	Code	Bi ppm IC581	Mn ppm IC581	Mo ppm IC581	Au ppm PM204	Au(R) ppm checks	Cu ppm IC581	Pb ppm IC581	Zn ppm IC581	Ag ppm IC581	Fe % IC581	Geological Observations
1651320	1100	380																460	9650	10	0·03		45	40	140	2	14·6	
321	"	400																60	3200	<5	0·02		40	40	110	2	8·17	
322	"	420																150	3250	<5	0·01		45	45	90	2	9·77	
323	"	440																20	1400	<5	0·01		40	25	65	1	8·76	
324	"	460																30	1650	<5	0·01		55	15	135	1	9·37	
325	"	480																10	490	<5	0·01		30	30	65	2	4·94	
326	"	500																30	220	<5	0·01		5	25	15	<1	1·88	
327	"	520																5	130	<5	<0·01		<5	<5	5	<1	1·95	
328	"	540																5	260	<5	<0·01		20	15	35	1	5·20	
329	"	560																5	300	<5	0·01		30	20	50	2	7·49	
330	"	580																<5	290	<5	<0·01		25	20	60	2	8·42	
331	"	600																<5	450	<5	<0·01		30	25	70	2	9·35	
332	"	620																<5	650	<5	<0·01		15	15	65	1	5·34	
333	"	640																<5	600	<5	<0·01		25	25	60	2	9·64	
334	"	660																60	1·04%	<5	0·02		55	35	170	2	11·5	
335	"	680																50	1·08%	<5	0·02		50	45	280	2	10·6	
336	"	700																40	4500	<5	0·01		30	35	155	1	7·66	
337	"	720																10	700	<5	<0·01		15	10	70	1	5·69	
1651338	1100	740																5	150	<5	<0·01		10	15	25	<1	4·47	

GEOCHEMICAL ROCK SAMPLING LEDGER

DETECTION LIMIT

ANALYTICAL METHOD

TENEMENT NAME: MOINA EL. 7/74	PROJECT: IRIS RIVER SOILS AMG ZONE:	SHEET No.: 02
AREA / PROSPECT: MAIN S&M GRID.	OPO's: 35034	LABORATORY: ALS (BRIS)
MAP / PHOTO REF: TASA 3537	SAMPLE No.s: 1651320 - 1338	COLLECTED BY: FF/RC DATE: 1-10-87

769127

CRA EXPLORATION PTY. LIMITED

March 1985

SAMPLE NUMBER	LOCATION							ROCK TYPE			MINERALISATION						METAL CONTENT ppm / %									Geological Observations
	Co-ordinates AMG / Grid		LANDUSE	S TYPE	WIDTH (m)	Interval		MAJOR ROCK	MINOR ROCK	ALTERATION	VISIBLE	STYLE	MAJOR	MINOR	MINOR	GANGUE	LOCK	B ppm IC581	Mn ppm IC581	Mo ppm IC581	Au ppm PM204	Au(R) ppm checks	Cu ppm IC581	Pb ppm IC581	Zn ppm IC581	Ag ppm IC581	Fe % IC581	
	WEST	SOUTH				From	To																				
1651339	1100	760																<5	80	<5	<0.01	<0.01	<5	<5	<5	<1	0.62	
340	"	780																<5	320	<5	<0.01		<5	<5	15	<1	1.22	
341	"	800																<5	140	<5	<0.01		15	15	10	1	6.13	
342	"	820																<5	1350	<5	<0.01		5	10	40	1	2.62	
343	"	840																<5	2000	<5	<0.01		50	<5	155	3	12.0	
344	"	860																5	2850	<5	0.02		65	<5	170	3	12.8	
345	"	880																<5	2100	<5	<0.01		75	<5	240	4	12.5	
346	"	900																<5	1850	<5	<0.01		65	<5	140	4	12.4	
347	"	920																<5	3100	<5	<0.01		65	<5	145	4	12.2	
348	"	940																<5	2150	<5	<0.01		60	5	130	2	10.1	
349	"	960																<5	730	<5	<0.01		50	30	110	2	8.58	
1651350	"	980																<5	120	<5	<0.01		15	15	25	1	5.47	
1651351	"	1000																<5	360	<5	<0.01	<0.01	<5	<5	<5	<1	0.97	

GEOCHEMICAL ROCK SAMPLING LEDGER

DETECTION LIMIT

ANALYTICAL METHOD

TENEMENT NAME : MOINA EL 7174

PROJECT : IRIS RV GRID AMG ZONE :

SHEET No. : 03

AREA / PROSPECT : MAIN S&M GRID.

DPO's : 35034

LABORATORY : ALS (BRIS)

MAP / PHOTO REF : TASK 3537

SAMPLE No's : 1651339 - 1651351

COLLECTED BY : FF/RC DATE : 1-10-87

769128

127

March 1985

CRA EXPLORATION PTY. LIMITED

SAMPLE NUMBER	LOCATION							ROCK TYPE			MINERALISATION						METAL CONTENT ppm / %									Geological Observations	
	Co-ordinates AMG / Grid		EXPOSURE	S. TYPE	WIDTH (m)	Interval		MAJOR ROCK	MINOR ROCK	ALTERATION	VISIBLE	STYLE	MAJOR	MINOR	MINOR	GANGUE	CODE	Bi ppm IC58	Mn PPM IC58	Mo PPM IC58	Au ppm FM209	Au(R) ppm check	Cu PPM IC58	Pb PPM IC58	Zn PPM IC58	Ag PPM IC58	Fe2O3 % IC58	Horizon Samples
	WEST	SOUTH				From	To																				
1651801	1200	000																<5	940	<5	001		65	40	60	3	8.74	B-C
802	"	020																<5	920	<5	0.01		45	55	65	3	9.39	C
803	"	040																<5	670	<5	0.02		45	40	55	2	7.63	C
804	"	060																5	800	5	0.02		75	35	45	2	9.66	C
805	"	080																<5	740	5	0.07		40	35	30	1	5.86	C
806	"	100																<5	510	5	0.01		25	30	50	1	4.64	C
807	"	120																<5	570	5	0.01		20	25	50	1	3.98	C
808	"	140																45	2200	<5	002		70	50	115	3	13.9	B-C
809	"	160																960	5850	5	0.03		80	65	200	3	10.6	C
810	"	180																15	580	5	0.03		35	30	310	1	3.98	C
811	"	200																145	4450	10	002		80	145	95	2	8.15	C
812	"	220																320	5400	10	005		115	160	170	3	11.5	C
813	"	240																90	4600	5	0.03		100	100	290	4	14.7	C
814	"	260																410	1062	10	004		200	75	400	5	23.8	C
815	"	280																90	5150	5	0.03		270	110	250	4	15.0	C
816	"	300																5	2650	<5	0.01		60	40	95	3	12.1	C
817	"	320																<5	1000	<5	0.01		45	30	60	3	9.56	C
818	"	340																<5	1300	<5	0.01		40	100	60	3	7.46	B-C
1651819	1200	360																<5	1300	<5	0.01	0.01	75	45	90	4	16.0	B-C
																	DETECTION LIMIT										
																	ANALYTICAL METHOD										

GEOCHEMICAL ROCK SAMPLING LEDGER

TENEMENT NAME : MOINA EL 7/74

PROJECT : IRIS RU SOILS AMG ZONE :

SHEET No. :

AREA / PROSPECT : MAIN S&M GRID

DPO's : 35034

LABORATORY : ALS BRIS

MAP / PHOTO REF : TASH 5557

SAMPLE No.'s : 1651801 – 819

COLLECTED BY : FF/RC DATE : 1-10-87

1690129

123

CRA EXPLORATION PTY. LIMITED

March 1985

SAMPLE NUMBER	LOCATION							ROCK TYPE			MINERALISATION							METAL CONTENT ppm / %										Geological observations
	Co-ordinates AMG / Grid		EXPOSURE	S TYPE	WIDTH (m)	Interval		MAJOR ROCK	MINOR ROCK	ALTERATION	VISIBLE	STYLE	MAJOR	MINOR	MINOR	GANGUE	LOCK	Bi ppm ICS81	Mn ppm ICS81	Mo ppm ICS81	Au ppm PM2C9	Au(R) ppm checks	Cu ppm ICS81	Pb ppm ICS81	Zn ppm ICS81	Ag ppm ICS81	Fe % ICS81	SAMPLED
	WEST	SOUTH				From	To																					
1651820	1200	380																<5	1350	<5	<0.01		70	35	75	4	150	B-C
821	1200	400																<5	1500	<5	<0.01		70	35	85	4	144	C
822	"	420																<5	720	<5	<0.01		55	40	60	3	10.1	C
823	"	440																<5	740	<5	<0.01		45	40	65	2	9.39	C
824	"	460																<5	650	<5	0.01		55	50	60	2	9.22	C
825	"	480																<5	850	<5	0.02		50	40	65	3	9.20	C
826	"	500																<5	520	<5	0.01		50	70	50	2	7.75	C
827	"	520																<5	920	<5	<0.01		45	40	60	3	9.99	C
828	"	540																<5	2200	<5	<0.01		40	40	95	3	9.73	C
829	"	560																<5	2850	<5	0.01		55	135	130	3	12.7	C
850	"	580																<5	5100	<5	<0.01		30	35	125	2	7.14	C
831	"	600																<5	500	<5	0.03		15	35	10	1	2.26	From CK - QUESTIONABLE
832	"	620																<5	420	<5	0.01		40	40	35	2	5.67	C
833	"	640																<5	240	<5	<0.01		20	20	10	1	3.20	C
834	"	660																<5	260	5	<0.01		10	30	<5	1	2.87	C
835	"	680																<5	70	5	<0.01	0.02	5	10	<5	<1	0.60	C
836	"	700																60	870	<5	0.04	0.04	40	85	60	3	6.18	C
837	"	720																<5	290	<5	0.02		20	45	15	2	9.68	C
1651838	"	740																<5	3100	<5	<0.01		70	45	120	4	143	C

GEOCHEMICAL ROCK SAMPLING LEDGER

DETECTION LIMIT

ANALYTICAL METHOD

TENEMENT NAME : MONA EL 7/74

PROJECT : IRIS RC SOILS AMG ZONE :

SHEET No. :

AREA / PROSPECT : MAIN SSM GRID

DPO's : 35034

LABORATORY : ALS (BRIS)

MAP / PHOTO REF : TASA 5537

SAMPLE No's : 1651820 - 1838

COLLECTED BY : FF/RC DATE : 1-10-87

March 1985

129

CRA EXPLORATION PTY. LIMITED

SAMPLE NUMBER	LOCATION							ROCK TYPE			MINERALISATION						METAL CONTENT ppm / %									Geological observations
	Co-ordinates AMG / Grid		OUTCROP	S. TYPE	VEGN (%)	Interval		MAJOR ROCK	MINOR ROCK	ALTERATION	VISIBLE	STYLE	MAJOR	MINOR	MINOR	GANGUE	LODE	Bi ppm ICS81	Mn ppm ICS81	Mo ppm ICS81	Au ppm FA30	Au(R) ppm Leaks	Cu ppm ICS81	Pb ppm ICS81	Zn ppm ICS81	Ag ppm ICS81	Fe % ICS81	
	WEST	SOUTH				From	To																				
165/839	1200	760																<5	610	<5	<0.01		55	35	90	3	11.6	
840	"	780																<5	570	<5	<0.01		60	40	135	4	11.5	
841	"	800																<5	110	<5	<0.01		30	55	55	3	11.2	
842	"	820																<5	1150	<5	<0.01		15	35	65	1	5.68	
843	"	840																<5	180	<5	<0.01		10	35	30	1	2.34	
844	"	860																<5	50	<5	<0.01	<0.01	10	55	10	<1	1.84	
845	"	880																<5	360	<5	<0.01		40	65	155	3	8.68	
846	"	900																<5	2700	<5	<0.01		95	45	390	4	14.6	
847	"	920																<5	3150	<5	<0.01		85	70	540	4	12.6	
848	"	940																5	830	<5	<0.01		45	115	115	2	7.90	
849	"	960																125	5400	<5	0.03		90	60	330	4	13.1	
850	"	980																65	1700	<5	<0.01		100	85	490	4	14.6	
165/851	1200W	1000S																90	12.4%	<5	0.01		130	125	450	4	16.2	

GEOCHEMICAL ROCK SAMPLING LEDGER

DETECTION LIMIT

ANALYTICAL METHOD

TENEMENT NAME : MOINA EL 7/74

PROJECT : IRIS Rn SOILS AMG ZONE :

SHEET No. :

AREA / PROSPECT MAIN S&M GRID

DPO's : 35034

LABORATORY : ALS (BRIS)

MAP / PHOTO REF TASA 3537

SAMPLE No.'s : 165/839 – 851

COLLECTED BY : FF/RC DATE : 1-10-87

7691131

130

March 1985

CRA EXPLORATION PTY. LIMITED

LINE 1300 W

SAMPLE NUMBER	LOCATION: Co-ordinates AMG / Grid WEST	SOUTH	SAMPLE	S TYPE	WIDTH (m)	Interval From	To	ROCK TYPE: MAJOR ROCK	MINOR ROCK	ALTERATION	MINERALISATION: VISIBLE	STYLE	MAJOR	MINOR	MINOR	GANGUE	LOG	METAL CONTENT ppm / %: Bi ppm IC581	Mn ppm IC581	Mo ppm IC581	Au ppm PM209	Au(2) ppm checks	Cu ppm IC581	Pb ppm IC581	Zn ppm IC581	Ag ppm IC581	Fe % IC581	Geological observations
1651985	1300	500																<5	1800	15	<0.01		65	30	120	1	11.1	
986	"	520																<5	3250	<5	<0.01		35	25	50	<1	5.53	
987	"	540																<5	320	10	<0.01		25	10	35	1	4.58	
988	"	560																<5	85	<5	<0.01		<5	<5	<5	<1	1.36	
989	"	580																<5	280	5	<0.01		25	5	25	1	6.41	
990	"	600																<5	310	10	<0.01		35	15	45	2	8.55	
991	"	620																<5	110	<5	<0.01		10	30	<5	<1	2.90	
992	"	640																<5	135	<5	<0.01		<5	20	<5	<1	2.43	
993	"	660																<5	1450	10	<0.01		80	<5	80	2	9.70	
994	"	680																<5	1000	15	<0.01		55	10	80	2	12.4	
995	"	700																<5	900	20	<0.01		70	<5	95	2	12.8	
996	"	720																<5	550	10	<0.01		35	<5	65	1	4.65	
997	"	740																<5	1450	10	<0.01		35	<5	70	2	8.56	
998	"	760																<5	740	10	<0.01	<0.01	35	10	65	1	8.06	
1651999	"	780																<5	1950	10	<0.01		50	<5	85	1	9.25	
1652000	"	800																<5	750	10	<0.01		25	5	50	1	7.92	
1653167	"	820																<5	600	15	<0.01		50	10	60	1	10.0	
168	"	840																<5	130	<5	<0.01		10	<5	<5	<1	4.69	
169	"	860																<5	55	<5	<0.01		<5	5	<5	<1	1.35	

GEOCHEMICAL ROCK SAMPLING LEDGER

DETECTION LIMIT

ANALYTICAL METHOD

TENEMENT NAME: MOINA EL 7/74	PROJECT: IRIS RIVER SOILS AMG ZONE:	SHEET No.: 01
AREA / PROSPECT: MAIN S&M GRID	DPO's: 35046	LABORATORY: ALS (BRIS)
MAP / PHOTO REF: TAS4 3537	SAMPLE No's: 1651985 — 2000, 1653167 — 169	COLLECTED BY: FF/RC DATE: 28-1-6-87

7691132

March 1985

CRA EXPLORATION PTY. LIMITED

131

SAMPLE NUMBER	LOCATION: Co-ordinates AMG / Grid WEST	LOCATION: Co-ordinates AMG / Grid SOUTH	LOCATION: EXPOSURE	LOCATION: S TYPE	LOCATION: WIDTH (m)	LOCATION: Interval From	LOCATION: Interval To	ROCK TYPE: MAJOR ROCK	ROCK TYPE: MINOR ROCK	ROCK TYPE: ALTERATION	MINERALISATION: VISIBLE	MINERALISATION: STYLE	MINERALISATION: MAJOR	MINERALISATION: MINOR	MINERALISATION: MINOR	MINERALISATION: GANGUE	LOCN	METAL CONTENT ppm / %: Bi ppm IC581	Mo ppm IC581	Mo ppm IC581	Au ppm PM329	Au(2) ppm check	Cu ppm IC581	Pb ppm IC581	Zn ppm IC581	Ag ppm IC581	Fe % IC581	Geological observations
165170	1300	880																400	2800	10	0.22	0.24	145	55	65	2	16.1	
171	"	900																700	4850	20	0.54	0.50	410	75	240	3	20.4	
172	"	920																430	2960	20	0.40	0.42	670	95	930	5	33.0	
173	"	940																630	5050	15	0.52	0.56	320	105	190	3	18.9	
174	"	960																230	3400	15	0.07		200	160	270	3	13.9	
175	"	980																300	1500	10	0.03		55	85	40	2	5.14	
165176	"	1000																400	5050	15	0.06	0.04	180	175	260	3	9.95	

GEOCHEMICAL ROCK SAMPLING LEDGER

DETECTION LIMIT

ANALYTICAL METHOD

TENEMENT NAME : Mount E.L. 7/74

PROJECT : Iris Rc Soils AMG ZONE :

SHEET No. : 02

AREA / PROSPECT MAIN S&M GRID

DPO's : 35046

LABORATORY ALS (BRIS)

MAP / PHOTO REF TASK 3537

SAMPLE No's : 165170 - 176

COLLECTED BY FF/RC DATE : 28-10-87

March 1985

CRA EXPLORATION PTY. LIMITED

132

SAMPLE NUMBER	LOCATION Co-ordinates AMG / Grid WEST	SOUTH	Interval From	To	ROCK TYPE	MINERALISATION	METAL CONTENT ppm / % Bi ppm ICS81	Mn ppm ICS81	Mo ppm ICS81	Au ppm PM824	Au(R) ppm checks	Cu ppm ICS81	Pb ppm ICS81	Zn ppm ICS81	Ag ppm ICS81	Fe % ICS81	Geological observations
	1400																
1651976	1400	500					<5	1600	20	0.05		40	30	65	2	10.0	
977	"	520					<5	710	15	0.02		35	15	55	2	8.27	
978	"	540					<5	970	20	0.01		55	20	70	2	10.5	
979	"	560					<5	720	25	0.01		50	17	75	2	10.8	
980	"	580					<5	690	20	<0.01		50	20	80	2	9.57	
981	"	600					<5	1250	15	0.02		40	15	110	2	10.0	
982	"	620					<5	920	30	<0.01		75	25	105	2	12.4	
983	"	640					<5	1300	25	<0.01		60	20	105	2	11.5	
1651583	"	660					<5	3000	20	<0.01		45	30	100	2	10.2	
584	"	680					<5	1350	25	<0.01		65	20	100	2	12.1	
585	"	700					<5	1800	25	<0.01		60	50	105	2	12.0	
1651586	"	720					<5	1250	25	<0.01		70	20	105	2	12.7	
1651587	"	740					<5	1200	20	<0.01		65	65	90	2	11.2	
1651588	"	760					<5	1600	25	<0.01		65	30	115	2	11.7	
589	"	780					<5	1200	20	<0.01		60	25	115	2	9.42	
590	"	800					<5	1750	20	<0.01		65	35	125	2	11.0	
591	"	820					<5	1300	20	<0.01		55	35	100	2	11.1	
592	"	840					<5	1200	20	<0.01		75	30	110	2	12.2	

GEOCHEMICAL ROCK SAMPLING LEDGER

DETECTION LIMIT

ANALYTICAL METHOD ICS81 PM824

TENEMENT NAME: MOINA EL 7/74

PROJECT: IRIS RISE SOILS AMG ZONE:

SHEET No.: 1

AREA / PROSPECT: MAIN S&M GRID

DPO's: 35046

LABORATORY: ALS (BRIS)

MAP / PHOTO REF: TASH 3537

SAMPLE Nos: 1651976 - 1993
1651583 - 1651600

COLLECTED BY: FF/KC DATE: 28-10-87

769134

133

CRA EXPLORATION PTY. LIMITED

March 1985

SAMPLE NUMBER	LOCATION							ROCK TYPE			MINERALISATION						METAL CONTENT ppm / %									Geological observations
	Co-ordinates AMG / Grid					Interval																				
	WEST	SOUTH				From	To										Bi ppm IC581	Mn ppm IC581	Mo ppm IC581	Au ppm PM209	Au(R) ppm checks	Cu ppm IC581	Pb ppm IC581	Zn ppm IC581	Ag ppm IC581	Fe % IC581	
593	1400	860															<5	410	10	<0.01		35	30	70	1	6.28	
594		880															<5	2600	25	<0.01		75	30	100	2	11.8	
595		900															105	230	<5	<0.01		15	35	10	<1	4.77	
596		920															250	7650	10	0.04	0.05	90	65	55	2	9.83	
597		940															15	190	<5	<0.01		10	25	<5	<1	1.23	
598		960															<5	65	<5	<0.01		<5	30	<5	<1	1.09	
599		980															155	290	<5	0.01		55	40	40	<1	4.05	
1651600		1000															125	580	5	0.04		70	65	100	1	5.56	

GEOCHEMICAL ROCK SAMPLING LEDGER

DETECTION LIMIT

ANALYTICAL METHOD

TENEMENT NAME : MOINA GL 7/74

PROJECT : ERIS RIVER SOILS AMG ZONE :

SHEET No. : 2

AREA / PROSPECT

DPO's : 35046

LABORATORY : ALS (BRIS)

MAP / PHOTO REF TASH 3537

SAMPLE No's :

COLLECTED BY : DATE :

7691135

134

March 1985

CRA EXPLORATION PTY. LIMITED

LINE 1500 W

SAMPLE NUMBER	LOCATION							ROCK TYPE			MINERALISATION						METAL CONTENT ppm / %										Geological observations
	Co-ordinates AMG / Grid					Interval											Bi ppm	Mn ppm	Mo ppm	Au ppm	Au(R) ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Fe %	
	WEST	SOUTH				From	To										ICS81	ICS81	ICS81	FM209	clocks	ICS81	ICS81	ICS81	ICS81	ICS81	
1651552	1500	500															<5	4000	<5	<0.01		60	15	155	1	13.0	
553	"	520															<5	2900	<5	<0.01	0.01	45	10	150	2	9.89	
554	"	540															<5	1700	<5	<0.01		65	10	130	2	12.9	
555	"	560															<5	2400	<5	<0.01		75	20	140	1	14.8	
556	"	580															<5	1100	<5	<0.01		65	5	95	2	13.0	
557	"	600															<5	500	<5	<0.01		80	10	100	2	19.5	
558	"	620															<5	510	<5	<0.01		50	10	80	1	12.9	
559	"	640															<5	640	<5	<0.01		45	15	105	<1	9.21	
560	"	660															<5	690	<5	<0.01		60	15	120	2	14.0	
561	"	680															<5	660	<5	<0.01		45	15	115	1	10.6	
562	"	700															<5	1150	<5	<0.01		60	15	85	1	10.1	
563	"	720															<5	2650	<5	<0.01		50	15	120	1	11.1	
564	"	740															<5	1950	<5	<0.01		70	15	140	1	12.8	
565	"	760															<5	1600	<5	<0.01		60	10	110	1	9.95	
566	"	780															<5	530	<5	<0.01		70	10	100	2	13.1	"B" Horizon sampled.
567	"	800															<5	580	<5	<0.01		65	10	110	<1	10.8	
568	"	820															<5	480	<5	<0.01		60	15	110	1	7.54	
569	"	840															<5	1250	<5	<0.01		85	10	140	1	13.0	
1651570	1500	860															<5	264	<5	<0.01		45	15	95	1	6.40	

GEOCHEMICAL ROCK SAMPLING LEDGER

DETECTION LIMIT

ANALYTICAL METHOD

TENEMENT NAME : MOINA EL 7174

PROJECT : IRIS RV SOILS AMG ZONE :

SHEET No. : 01

AREA / PROSPECT MAIN S&M GRID.

DPO's :

LABORATORY : ALS (BRIS)

MAP / PHOTO REF TASL 3537

SAMPLE No's : 1651552 - 570

COLLECTED BY : FI/RC DATE : 28-10-87

7991336

135

March 1985

CRA EXPLORATION PTY. LIMITED

SAMPLE NUMBER	LOCATION							ROCK TYPE			MINERALISATION						METAL CONTENT ppm / %										Geological Observations
	Co-ordinates AMG / Grid					Interval											Bi ppm	Mn ppm	Mo ppm	Au ppm	Au(R) ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Fe %	
	WEST	SOUTH	EXPOSURE	S TYPE	WIDTH (m)	From	To	MAJOR ROCK	MINOR ROCK	ALTERATION	VISIBLE	STYLE	MAJOR	MINOR	MINOR	GANGUE	LOCK	IC581	IC581	IC581	PM209	checks	IC581	IC581	IC581	IC581	IC581	
165571	1500	880															<5	125	<5	<0.01		30	20	20	1	5.96	
572	"	900															<5	80	<5	<0.01		25	15	10	<1	6.37	
573	"	920															<5	85	<5	<0.01		20	15	<2	<1	4.71	
574	"	940															<5	80	<5	<0.01		15	20	<2	<1	4.66	
575	"	960															<5	35	<5	<0.01		10	5	<2	<1	2.39	
576	"	980															<5	40	<5	<0.01	<0.01	10	10	<2	<1	3.46	
165577	1500	1000															<5	25	<5	<0.01	<0.01	10	15	<2	<1	2.52	

GEOCHEMICAL ROCK SAMPLING LEDGER

DETECTION LIMIT

ANALYTICAL METHOD

TENEMENT NAME : MOINA EL 7174

PROJECT : Iris Rd Soils AMG ZONE :

SHEET No. : 02

AREA / PROSPECT MAIN S & M GRID

DPO's :

LABORATORY : ALS (BRIS)

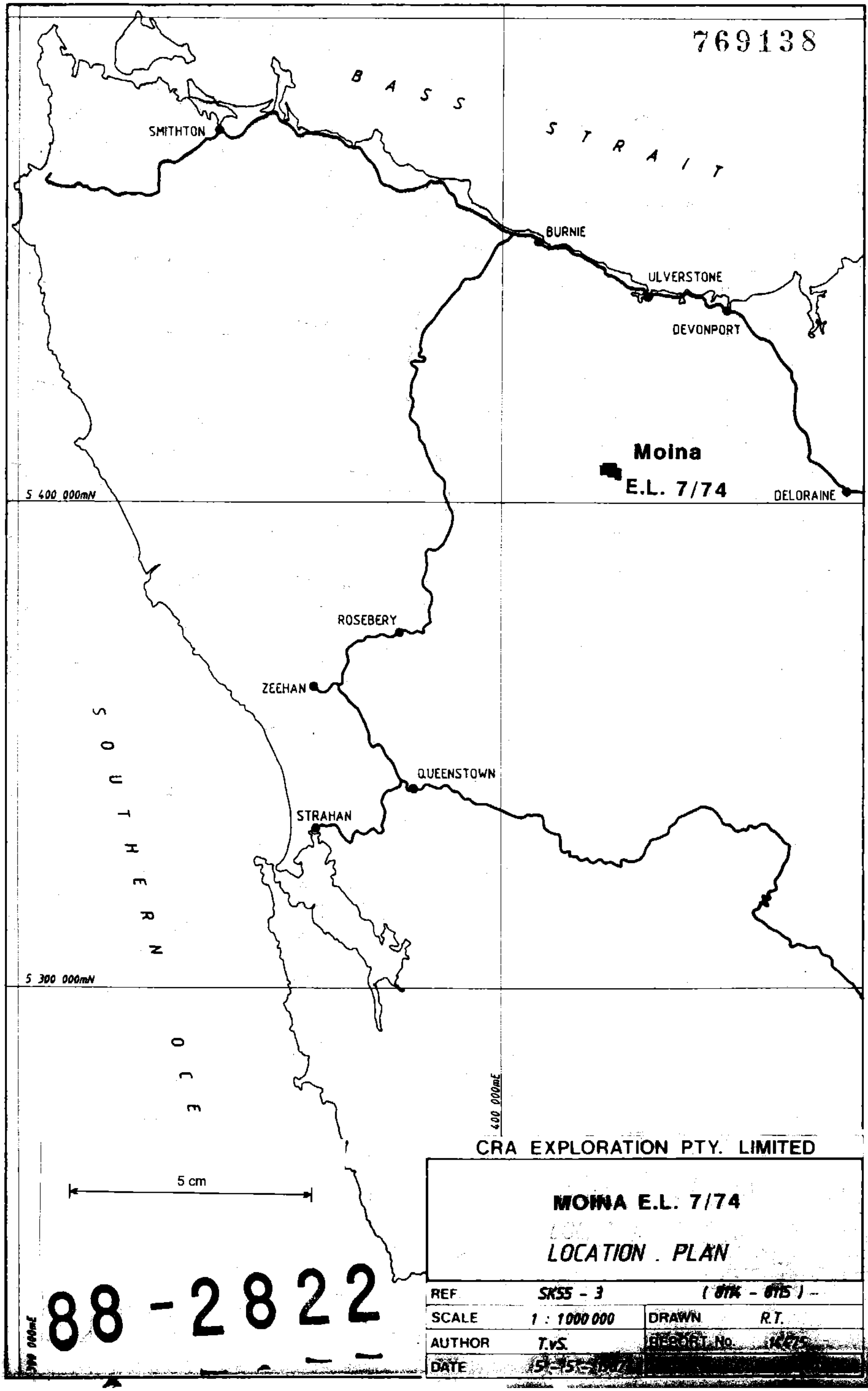
MAP / PHOTO REF TASH 3537

SAMPLE No's : 165571 - 577

COLLECTED BY FF/RC DATE 28-10-87

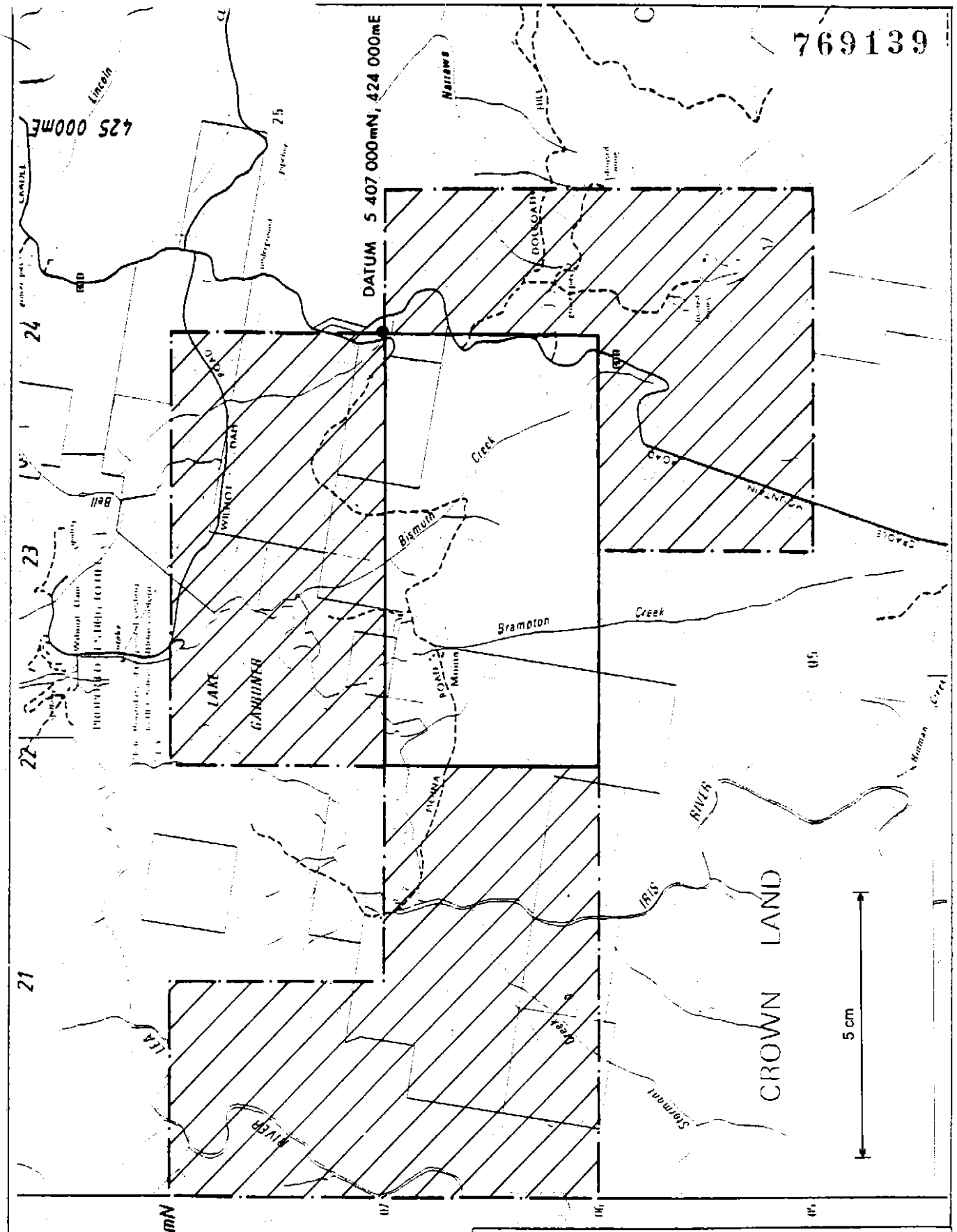
A16692

136


769138
BASS STRAIT
SMITHTON
BURNIE
ULVERSTONE
DEVONPORT
Moina
E.L. 7/74
DELORAINE
5 400 000mN
ROSEBERY
ZEEHAN
QUEENSTOWN
STRAHAN
SOUTHERN
OCE
5 300 000mN
400 000mE
5 cm
CRA EXPLORATION PTY. LIMITED
MOINA E.L. 7/74
LOCATION . PLAN
REF SK55 - 3
SCALE 1 : 1000 000
DRAWN R.T.
AUTHOR T.vS.
REPORT No.
DATE
88 -2822

137

769139



CRA EXPLORATION PTY. LIMITED

MOINA E.L. 7/74
APPLICATION
FOR RETENTION LICENCE
2 km²

REF.	SK55 - 3		*(B114 - B115)
SCALE	1 : 25.000	DRAWN	RT
AUTHOR	T.W.D.	REPORT No.	15173
DATE	JUNE 1988	PLAN No.	TASh 3467

AREA TO BE RELINQUISHED

88 2822

769140

88-2822

CRA EXPLORATION PTY. LIMITED

MOINA E.L. 7/74 7500
MOINA PROSPECT
GEOLOGICAL PLAN

REF.	SK55 - 3	(8014 - 8114 - 8115)	
SCALE	1 : 10000	DRAWN	R.T.
AUTHOR	T.v.S.	REPORT No.	15173
DATE	9 - 2 - 1987	PLAN No. TASh	3290

769141

88-2822

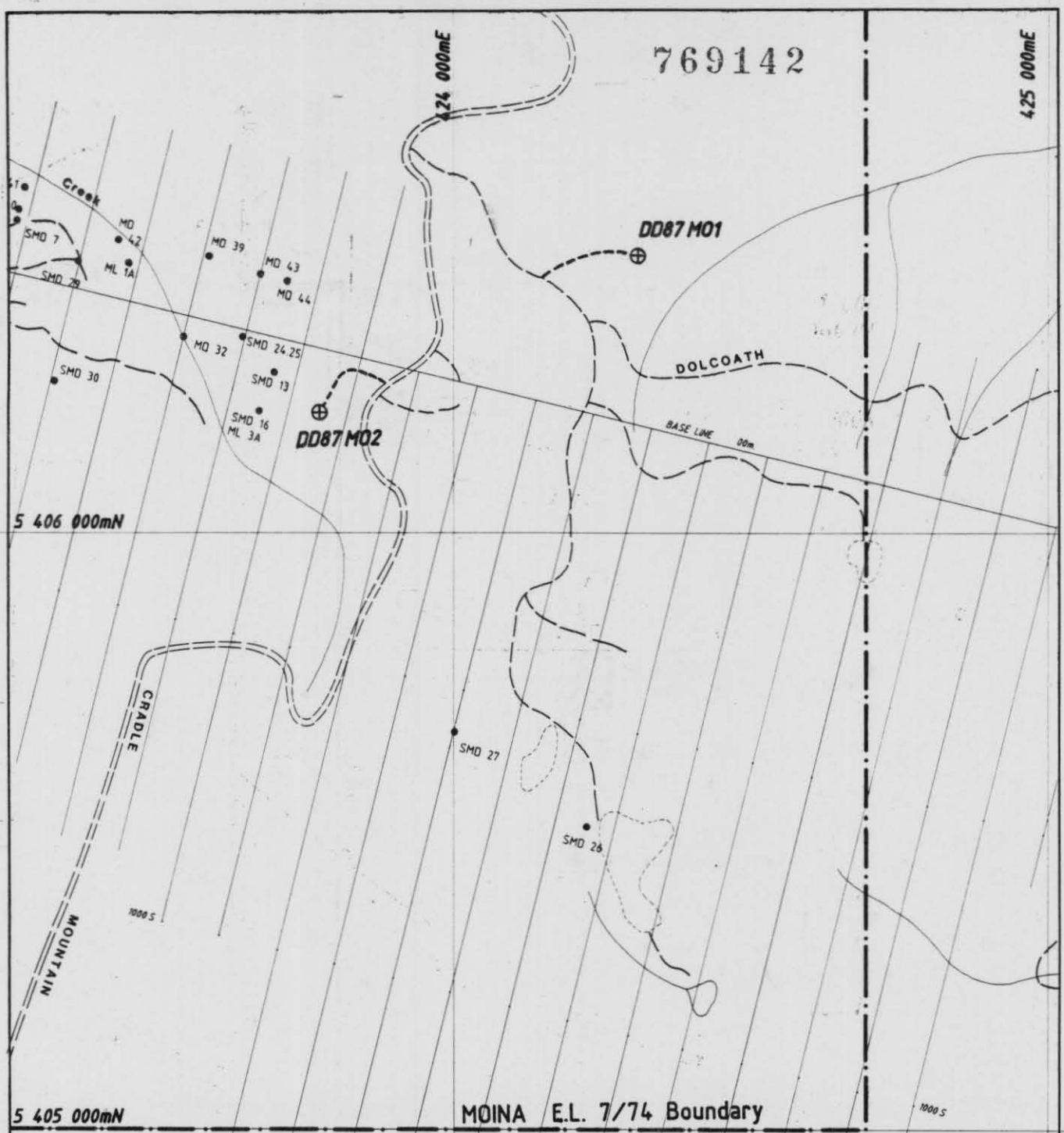
CRA EXPLORATION PTY. LIMITED

MOINA E.L. 7/74 7502
MOINA PROSPECT
GRID & DRILLHOLE LOCATION PLAN

REF.	SK55 - 3		(8014 - 8114 - 8115)
SCALE	1 : 10 000	DRAWN	R.T.
AUTHOR	T.v.S.	REPORT No.	15173
DATE	3 - 3 - 1987	PLAN No. TASh	3225

138

88-2822



HOLE	ATTITUDE	PLANNED DEPTH
DD87 MO1	VERTICAL	80m
DD87 MO2	VERTICAL	130m

proposed track construction
total legnth; 350m.

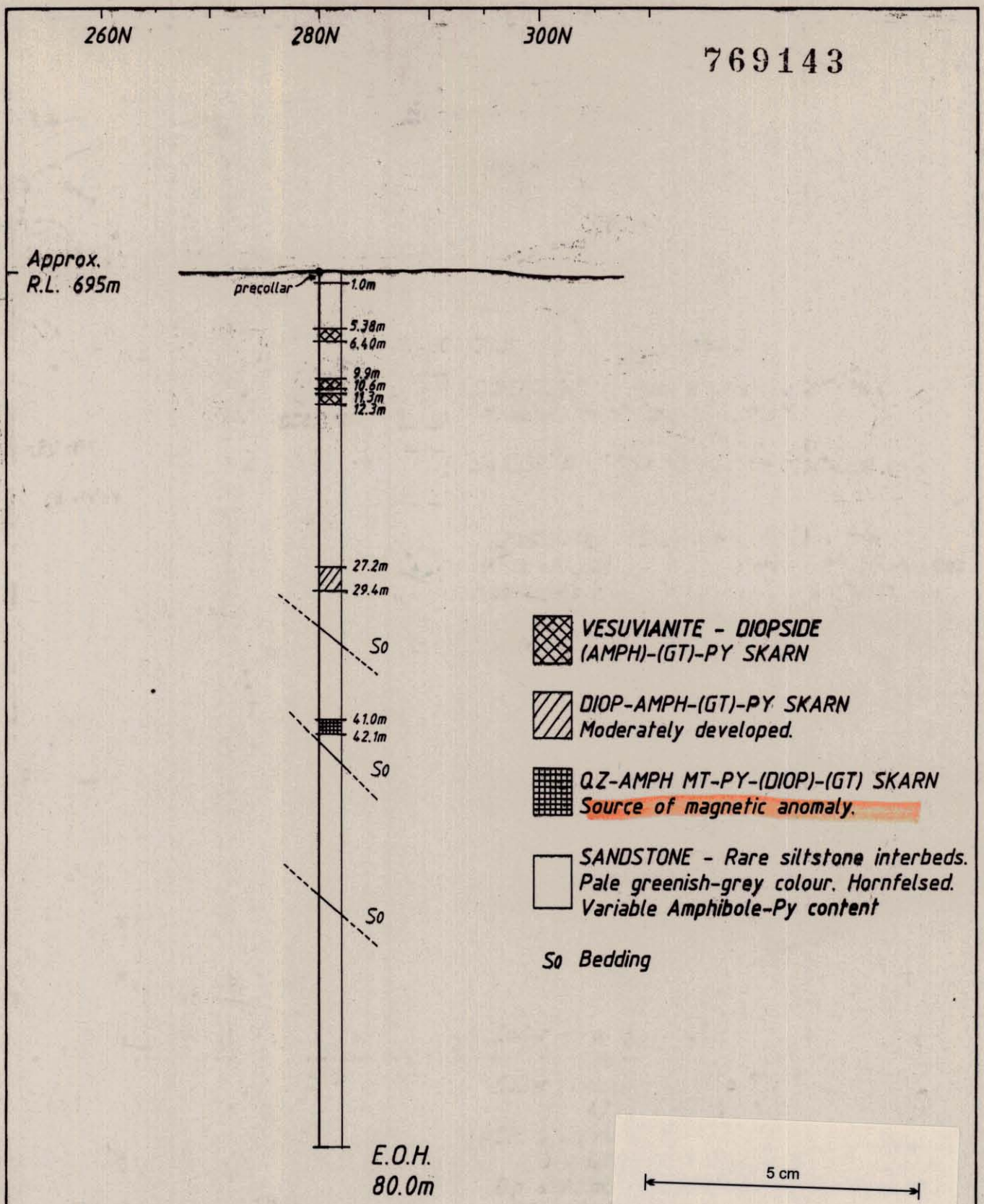
CRA EXPLORATION PTY. LIMITED

MOINA E.L. 7/74
MOINA PROSPECT
PROPOSED DRILLHOLE LOCATIONS

REF.	SKSS - 3		(8114 - 8115)
SCALE	1 ; 10,000	DRAWN	R.T.
AUTHOR	F.R.F.	REPORT No.	15173
DATE	29 - 9 - 1987	PLAN No.	TASh 352

139

769143



Collar co-ords : 2000E
Local : 280N
Collar co-ords : 424 300mE
A.M.G. : 5 406 530mN
Dip : -90°
Azimuth : N/A
End of Hole : 80.0m

CRA EXPLORATION PTY. LIMITED

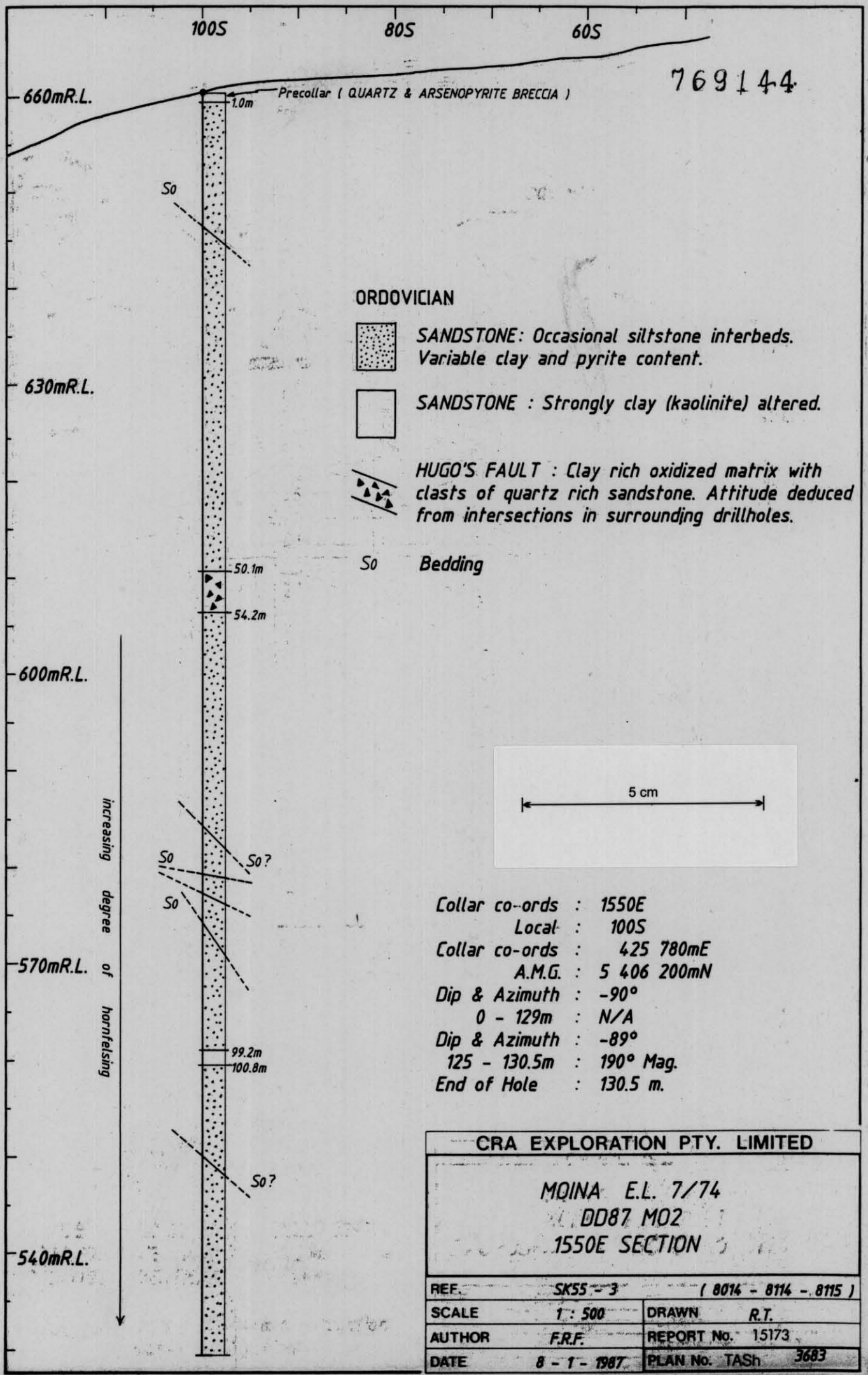
MOINA E.L. 7/74
DD87 M01
2000E SECTION

REF.	SK55 - 3	(8014 - 8114 - 8115)	
SCALE	1 : 500	DRAWN	R.T.
AUTHOR	F.R.F.	REPORT No.	15173
DATE	8 - 1 - 1988	PLAN No. TASh	3682

88 2822

140

769144



Collar co-ords : 1550E
Local : 100S
Collar co-ords : 425 780mE
A.M.G. : 5 406 200mN
Dip & Azimuth : -90°
0 - 129m : N/A
Dip & Azimuth : -89°
125 - 130.5m : 190° Mag.
End of Hole : 130.5 m.

88-2822

CRA EXPLORATION PTY. LIMITED

MOINA E.L. 7/74
DD87 M02
1550E SECTION

REF.	SK55 - 3	(8014 - 8114 - 8115)	
SCALE	1 : 500	DRAWN	R.T.
AUTHOR	F.R.F.	REPORT No.	15173
DATE	8 - 1 - 1987	PLAN No. TASh	3683

WILMOT ROAD
DAM ROAD
CRADLE MOUNTAIN ROAD
CETHANA ROAD
LAKE GAIRDNER
F.S.L. 472m
MOINA
Brampton Creek
Bismuth Creek
DOLCOATH HILL ROAD
Narrawa Creek
CRADLE MOUNTAIN ROAD
BASE LINE 00m.
425 000mE
5 405 000mN
MD 36
MD 38
MD 37
MD 33
MD 34
MD 41
MD40
MD 42
MD 39
MD 43
MD 44
MD 13
MD 27
MD 26
DOM 1
SMD 14
SMD 12
SMD 10
SMD 15
28
SMD 7
SMD 29
ML 1A
SMD 6
ML 2
SMD 30
SMD 11
SMD 4
SMD 21
SMD 9
SMD 5
MD 35
SMD 22
SMD 8
SMD 23
16
3A
24 25
32
500 N
500 S
1000 S
1500 S
200W
0 E
200E
400E
600E
800E
1000E
1200E
1400E
1600E
1800E
2000E
2200E
2400E
2600E
2800E
3000E
3200E
A.M.G. North
Mag. Nth.
769145
5 cm
88-2822

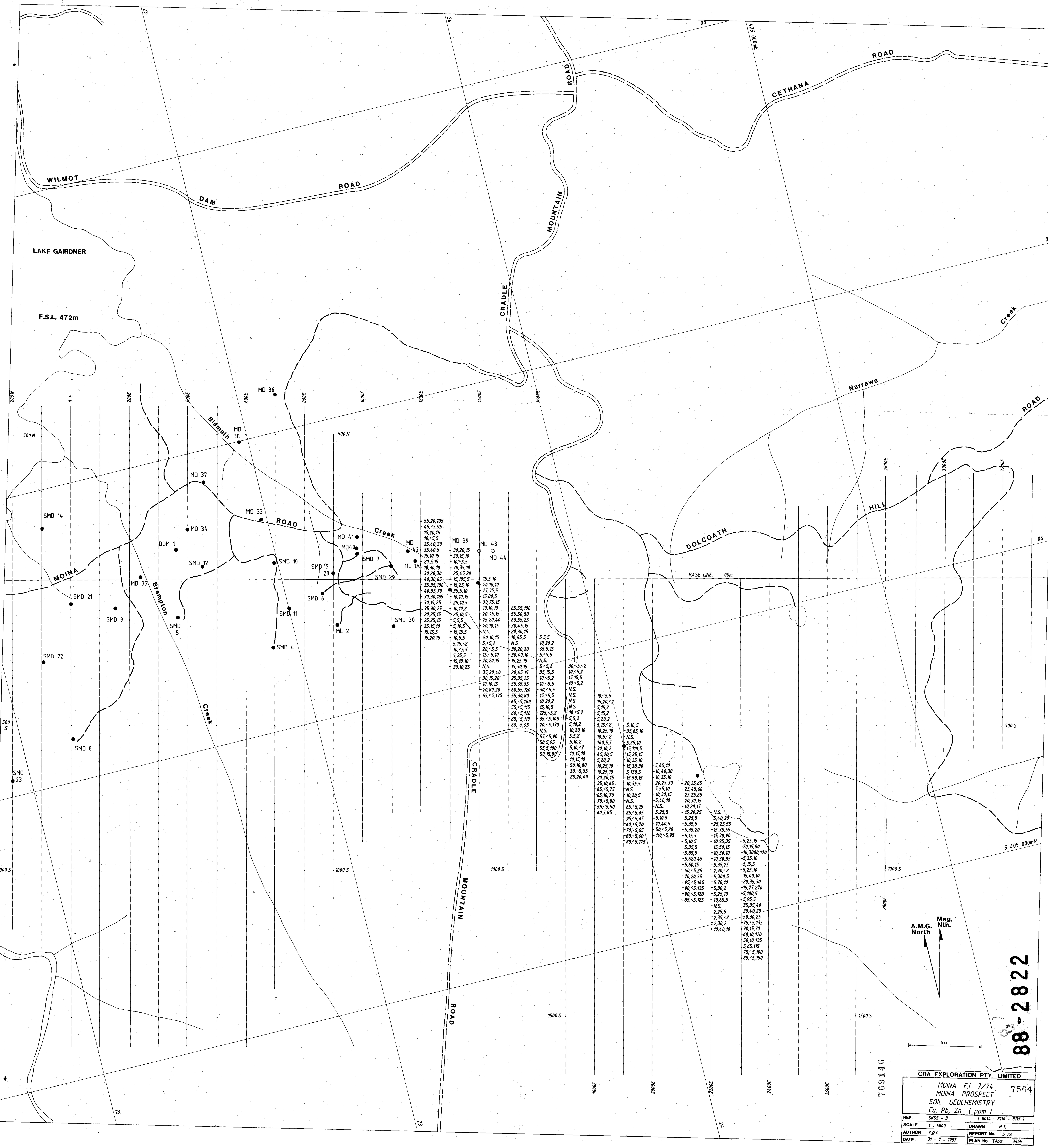
** NOTE **
All sample numbers are prefixed by 1655.

N.S. - No samples taken, Site unsuitable.

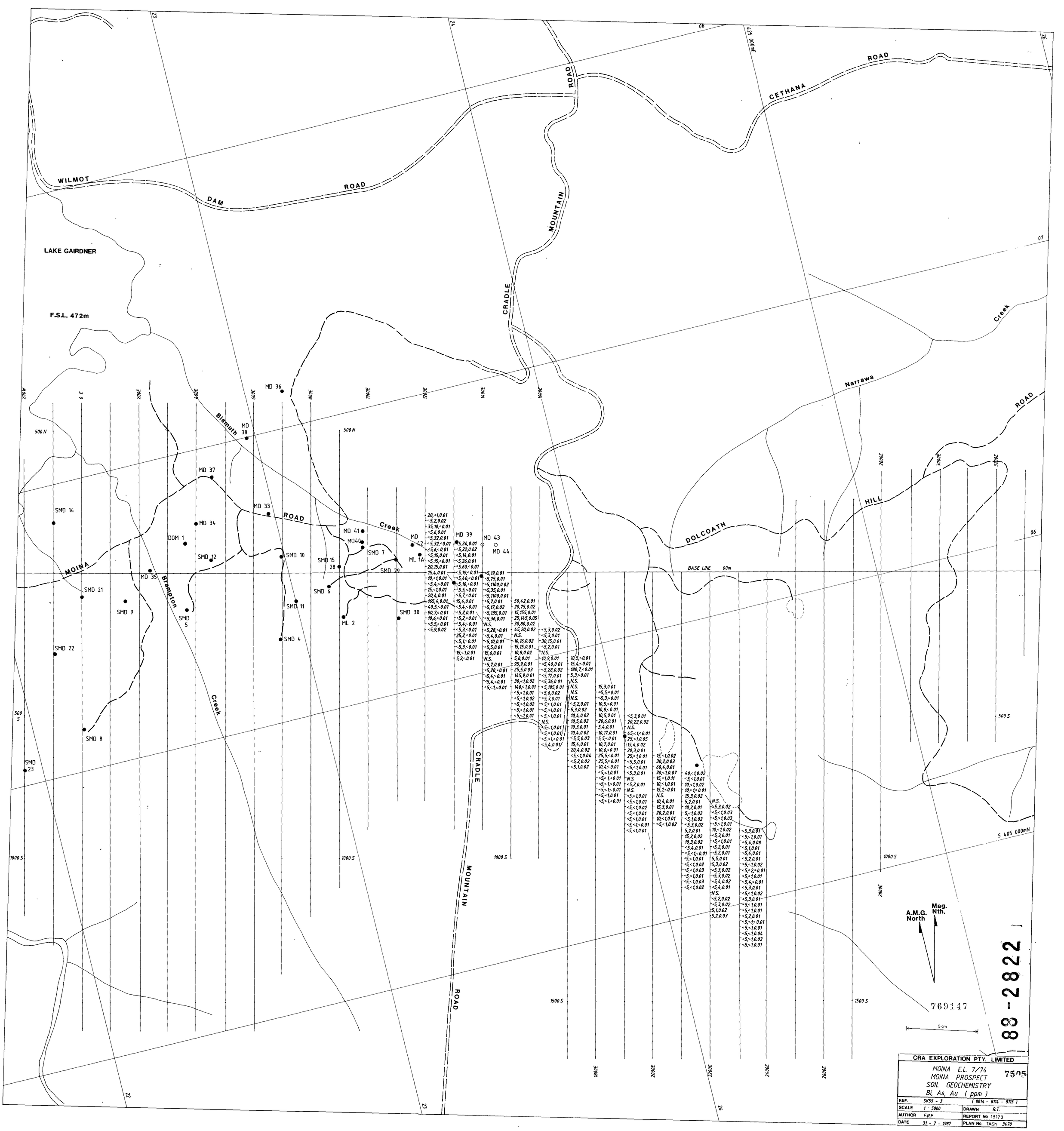
CRA EXPLORATION PTY. LIMITED

MOINA E.L. 7/74 7503
MOINA PROSPECT
SOIL GEOCHEMISTRY
SAMPLE NUMBER LOCATIONS

REF	SK55 - 3	(8014 - 8114 - 8115)	
SCALE	1 5000	DRAWN	R.T.
AUTHOR	F.R.F.	REPORT No.	15173
DATE	3 - 7 - 1987	PLAN No	TASh 3454



WILMOT DAM ROAD
CETHANA ROAD
CRADLE MOUNTAIN ROAD
LAKE GAIRDNER
F.S.L. 472m
MOINA ROAD
DOLCOATH HILL ROAD
Narrawa Creek
Bismuth Creek
Brampton Creek
BASE LINE 00m.
425 000mE
5 405 000mN
08
07
06
22
23
24
26
200W
0 E
200E
400E
600E
800E
1000E
1200E
1400E
1600E
1800E
2000E
2200E
2400E
2600E
2800E
3000E
3200E
500 N
500 S
1000 S
1500 S
MD 36
MD 38
MD 37
MD 33
MD 34
DOM 1
SMD 12
MD 35
SMD 14
SMD 21
SMD 9
SMD 5
SMD 22
SMD 8
SMD 23
SMD 10
SMD 11
SMD 4
MD 41
MD40
SMD 7
SMD 15
28
SMD 6
SMD 29
ML 2
SMD 30
MD 42
ML 1A
MD 39
MD 43
MD 44
1200E: 55,20,105 / 45,<5,95 / 15,20,15 / 10,<5,5 / 25,40,20 / 35,40,5 / 15,10,15 / 20,5,15 / 10,30,10 / 30,20,30 / 40,30,65 / 35,35,100 / 40,35,70 / 30,30,165 / 30,15,25 / 35,30,25 / 20,25,15 / 25,25,15 / 25,15,10 / 15,15,5 / 15,20,15
1300E: 30,20,15 / 20,15,10 / 10,<5,5 / 30,35,10 / 25,45,20 / 15,105,5 / 15,25,10 / 35,5,10 / 10,10,15 / 25,10,5 / 10,10,2 / 25,10,5 / 5,5,5 / 5,10,5 / 15,15,5 / 10,5,5 / 5,15,<2 / 10,<5,5 / 5,25,5 / 15,10,10 / 20,10,25
1400E: 15,5,10 / 20,10,10 / 25,35,5 / 15,80,5 / 30,75,15 / 10,10,10 / 20,<5,15 / 25,20,40 / 20,10,15 / N.S. / 40,10,15 / 5,<5,2 / 20,<5,5 / 15,<5,10 / 20,20,15 / N.S. / 35,20,40 / 30,15,20 / 10,10,15 / 20,80,20 / 65,<5,135
1500E: 65,55,100 / 55,50,50 / 60,55,25 / 30,45,15 / 20,30,15 / 10,45,5 / N.S. / 30,20,20 / 30,40,10 / 15,25,15 / 15,30,15 / 20,45,15 / 25,35,25 / 55,65,35 / 60,55,120 / 55,30,80 / 65,<5,140 / 55,<5,115 / 60,<5,120 / 65,<5,110 / 60,<5,95
1600E: 5,5,5 / 10,20,2 / 65,5,15 / 5,<5,5 / N.S. / 5,<5,2 / 35,15,5 / 10,<5,2 / 10,<5,5 / 30,<5,5 / 15,<5,5 / 10,20,2 / 15,10,5 / 125,<5,2 / 65,<5,105 / 70,<5,130 / N.S. / 55,<5,90 / 50,5,95 / 55,5,100 / 50,15,80
1700E: 30,<5,<2 / 10,<5,2 / 15,15,5 / 10,<5,2 / N.S. / N.S. / N.S. / N.S. / 10.<5.2 / 5,5,2 / 5,10,2 / 10,20,10 / 5,5,2 / 5,10,2 / 5,10,<2 / 10,15,10 / 10,15,10 / 50,10,80 / 30,<5,35 / 25,20,40
1800E: 10,<5,5 / 15,20,<2 / 5,15,2 / 5,15,2 / 5,20,2 / 5,15,<2 / 10,25,10 / 10,5,<2 / 140,5,5 / 30,10,2 / 45,20,5 / 5,20,2 / 10,25,10 / 10,25,10 / 20,20,15 / 35,10,65 / 85,<5,75 / 65,10,70 / 70,<5,80 / 55,<5,50 / 60,5,85
1900E: 5,10,5 / 35,65,10 / N.S. / 5,25,10 / 15,110,5 / 15,25,15 / 10,25,10 / 15,30,30 / 5,130,5 / 15,50,15 / 10,35,5 / N.S. / 10,20,5 / N.S. / 65,<5,15 / 85,<5,65 / 95,<5,65 / 60,<5,70 / 70,<5,65 / 80,<5,60 / 80,<5,175
2000E: 5,45,10 / 10,40,30 / 10,25,10 / 20,25,30 / 5,55,10 / 10,30,15 / 5,40,10 / N.S. / 5,25,5 / 5,10,5 / 10,40,5 / 50,<5,20 / 110,<5,95
2100E: 20,25,65 / 25,45,60 / 25,25,65 / 20,30,15 / 10,20,15 / 15,20,25 / 5,25,5 / 5,35,5 / 5,35,20 / 5,15,5 / 5,10,5 / 5,35,5 / 5,85,5 / 5,620,45 / 5,60,15 / 50,<5,25 / 70,20,75 / 95,<5,145 / 90,<5,135 / 90,<5,120 / 85,<5,125
2200E: N.S. / 5,40,20 / 25,25,55 / 15,35,55 / 15,30,90 / 10,95,35 / 15,50,15 / 10,30,10 / 10,30,35 / 5,35,75 / 2,30,<2 / 5,300,5 / 5,70,10 / 5,30,2 / 5,25,10 / 10,65,5 / N.S. / 2,25,5 / 2,35,<2 / 2,30,2 / 10,40,10
2300E: 5,25,15 / 70,15,80 / 10,3800,170 / 5,35,10 / 5,15,5 / 5,25,10 / 15,40,10 / 20,35,30 / 15,75,270 / 5,100,5 / 5,95,5 / 35,35,40 / 20,40,20 / 50,30,25 / 75,<5,135 / 30,15,70 / 60,10,120 / 50,10,135 / 5,65,115 / 75,<5,100 / 85,<5,150
A.M.G. North
Mag. Nth.
5 cm
88-2822
769146
CRA EXPLORATION PTY. LIMITED
MOINA E.L. 7/74
MOINA PROSPECT
SOIL GEOCHEMISTRY
Cu, Pb, Zn (ppm)
7504
REF. SK55 - 3 (8014 - 8114 - 8115)
SCALE 1 : 5000
DRAWN R.T.
AUTHOR F.R.F
REPORT No. 15173
DATE 31 - 7 - 1987
PLAN No. TASh 3469



CRA EXPLORATION PTY. LIMITED

MOINA E.L. 7/74
MOINA PROSPECT
SOIL GEOCHEMISTRY
Bi, As, Au (ppm)

7595

REF.	SK55 - 3	(8014 - 8114 - 8115)	
SCALE	1 : 5000	DRAWN	R.T.
AUTHOR	F.R.F	REPORT No	15173
DATE	31 - 7 - 1987	PLAN No.	TASh 3470

WILMOT ROAD
DAM ROAD
CETHANA ROAD
CRADLE MOUNTAIN ROAD
LAKE GAIRDNER
F.S.L. 472m
MOINA
Bismuth Creek
Brampton Creek
DOLCOATH HILL
Narrawa Creek
CRADLE MOUNTAIN ROAD
BASE LINE 00m.
425 000mE
5 405 000mN
MD 36
MD 38
MD 37
MD 33
MD 34
MD 41
MD40
MD 42
MD 39
MD 43
MD 44
DOM 1
SMD 14
SMD 12
SMD 10
SMD 15
28
SMD 7
SMD 29
ML 1A
SMD 6
ML 2
SMD 30
SMD 11
SMD 4
MD 35
SMD 21
SMD 9
SMD 5
SMD 22
SMD 8
SMD 23
2850,11.3
810,5.04
75,3.21
55,0.73
200,2.47,(8)
65,1.42
250,1.27
115,1.26
130,1.48
720,5.25
4200,8.23
9150,10.6
14000,10.8
11500,11.7
165,2.58
140,5.0
155,2.39
100,3.26
55,0.73
80,0.67
70,0 70
15,2.14
60,2.03
35,0.75
90,1.59
150,1.42
65,1.01
65,1.01
100,1.73
65,1.02
80,2 08
25,0.54
30,0.64
60,0.44
30,0.28
75,0 77
80,0 86
15,0 32
25,0 29
30,0 30
45,0 93
160,2 59
80,1 40
65,1 98
85,1.33
55,0.79
125,1 45
140,0 87
185,1.60
810,2 59
310,1 11
N.S
120,5 52
35,1.06
65,1.27
75,1.11
65,4 89
N.S
85,4 33
55,3.99
105,1 32
75,1 87
550,9 81
600,7.79
470,5.46
120,3.18
210,3.95
210,2.89
80,0 62
N.S.
80,5.20
135,2.75 (4)
70,3.57
60,2.19
85,3.78
95,3 93
145,5 49
240,6 17
1100,7 58
1100,13.0
980,10 5
1350,10.8
1250,12 4
1150,8 76
35,0.29
65,0.55
175,1.96
40,0 21
N.S
25,0.40
45,2.04
35,0.99
45,1.11
20,1.03
35,1.23
15,0 37
45,0 66
25,1.70 (2)
900,13.0
1700,12.2
N.S.
710,8.50
1150,6.63
740,7.60
830,7.24
45,1.51
100,0.66
55,1.39
30,0.76
N.S.
N.S.
N.S.
N.S.
35,0.41
55,0.36
30,0.57
45,2 01
30,0.44
25,0.33
20,0.31
50,2.19
75,100
820,7.66
250,2.58
300,5.24
45,0.36
30,0.50
40,0 57
35,0 58
40,0.56
20,0 32
40,0 79
30,0 54
95,1.54
45,0 63
55,1.19
30,0 57
60,0.59
85,2 10
90,3 91
85,5.50
85,10 4
110,7.27
105,8 23
100,13.2
165,9.77
65,0.61
45,1.28
N.S.
25,3.52
40,1.33
75,2.06
80,1 13
55,0 68
350,0 46
55,1.55
50,1.22
N.S.
35,0 86
N.S
125,7 91
145,9.92
280,12 5
210,8 54
120,9.85
120,7.09
840,13.2
25,0.73
100,1.64
135,2.88
115,5.58
65,1 32
40,1.80
65,1.72
N.S.
85,2.42
40,0.85
40,1.35
85,5.72
440,15.7
310,2.49
175,1.23
340,2.13
40,0.67
95,2.30
95,4 58
90,1.75
50,0.44
135,0 96
30,0.73
55,0.44
65,0.72
90,0.83
50,1.19
25,0.88
105,7.31
260,14.4
520,15.6
500,14.6
510,15.7
540,16.6
N.S.
45,0 73
115,4 18
185,2 31
200,4.13
85,0.77
60,0.87
105,0.61
185,1.48
230,2 26
25,0.78
35,1 32
65,1.43
30,0.45
130,0.63
55,1.03
N.S.
40,0.89
35,0 38
30,0.40
45,0.90
80,1.35
1650,12 6
60,1 38
35,0.51
45,0.73
75,0.83
110,0.26
155,0.63
720,4.33
35,1.01
40,1.32
200,9.78
70,5.13
45,1.64
300,15.3
160,5.49
440,12.1
470,12.1
240,2.56
470,17.2
470,13.3
MD 36
MD 38
MD 37
MD 33
MD 34
MD 41
MD40
MD 42
MD 39
MD 43
MD 44
DOM 1
SMD 14
SMD 12
SMD 10
SMD 15
28
SMD 7
SMD 29
ML 1A
SMD 6
ML 2
SMD 30
SMD 11
SMD 4
MD 35
SMD 21
SMD 9
SMD 5
SMD 22
SMD 8
SMD 23
200W
0 E
200E
400E
600E
800E
1000E
1200E
1400E
1600E
1800E
2000E
2200E
2400E
2600E
2800E
3000E
3200E
500 N
500 S
1000 S
1500 S
22
23
24
26
08
07
06
A.M.G. North
Mag. Nth.
5 cm
769148
88 2822
CRA EXPLORATION PTY. LIMITED
MOINA E.L. 7/74 7506
MOINA PROSPECT
SOIL GEOCHEMISTRY
Mn (ppm), Fe % (Ag)
REF SK55 - 3 (8014 - 8114 - 8115)
SCALE 1 : 5000
DRAWN R.T.
AUTHOR F.R.F
REPORT No. 15173
DATE 31 - 7 - 1987
PLAN No. TASh 3471
* NOTE *
All samples assayed for Ag, only results greater than 1 ppm shown thus: (8).

420 000mE

5 409 000mN

WILMOT

Lea River

LAKE GAIRDNER

F.S.L. 472m

MOINA

BASE LINE 00m.

SMD 14

SMD 17

SMD 21

SMD 20

SMD 22

SMD 23

SMD 31

SMD 8

DOM 2

DOM 3

Stormont River

Iris River

1600W. 1400W 1200W. 1000W. 800W 600W. 400W. 200W. 0W.

500 N 500 S 1000 S 1500 S

769149

5 cm

88-2822

* NOTE *
All sample Numbers prefixed by 1651 ..... unless shown in full.

CRA EXPLORATION PTY. LIMITED			7507
MOINA E.L. 7/74 IRIS RIVER SOIL GEOCHEMISTRY SAMPLE NUMBER LOCATION PLAN			
REF.	SK55 - 3	(8014 - 8114 - 8115)	
SCALE	1 : 5000	DRAWN	R.T.
AUTHOR	F.R.F	REPORT No.	15173
DATE	28 - 10 - 1987	PLAN No. TASh	3547

420 000mE

5 409 000mN

21

09

22

08

16

07

06

19

Lea River

WILMOT

LAKE GAIRDNER

F.S.L. 472m

1600W.

1400W.

1200W.

1000W.

800W.

600W.

400W.

200W

0W.

500 N

BASE LINE 00m.

SMD 14

MOINA

SMD 17

SMD 21

SMD 20

SMD 22

SMD 23

SMD 8

500 S

1000 S

1500 S

3200W

3000W

2800W

2600W

Stormont River

45,40,60	40,30,85	15,25,95	40,45,105
45,55,65	30,45,85	10,20,85	35,55,110
45,40,55	25,40,105	15,5,45	35,55,70
75,55,45	35,25,60	15,15,65	1300,85,105
40,35,30	210,35,95	25,25,70	40,60,55
25,30,50	20,30,85	85,40,95	35,65,40
20,25,50	5,<5,15	35,25,60	40,110,170
70,50,115	35,<5,100	35,35,60	45,130,110
80,65,200	65,40,210	40,40,70	45,45,320
35,30,310	80,70,290	30,40,85	35,45,230
80,145,95	70,70,360	35,60,75	50,55,140
115,160,170	60,70,350	55,50,55	210,70 250
100,100,290	95,90,660	25,25,65	30,40,60
200,75,400	30,50,350	15,20,25	25,30,90
230,110,280	70,110,230	25,50,40	100,40,175
60,40,95	170,80,740	120,15,85	35,80,130
45,30,60	110,65,240	45,<5,60	70 40,185
40,100,60	55,10,130	30,15,50	35,115,280
75,45,90	35,70,105	60,25,70	N.S
70,35,75	45,40,140	10,35,25	20 45,135
70,35,85	40,40,110	45,180,195	20,55,135
55,40,60	45,45,90	25,15,140	30 55 90
45,40,65	60,25,65	10,10,15	30,75,75
55,50,60	55,15,135	10,15,5	25,40,55
50,40,65	30,30,65	15,20,10	25,70,85
50,70,50	5,25,15	20,15,20	20,60,65
45,40,60	-5,<5,5	25,35,30	20,125,60
40,40,95	20,15,35	20,15,20	35,75,140
55,30,130	30,20,50	20,15,40	30,65,105
30,35,125	25,20,60	10,30,85	15,50,70
15,35,10	30,25,70	55,55,95	40,70,115
40,40,35	15,15,65	30,50,85	25,85,150
20,20,10	25,25,60	20,60,115	20,85,130
10,30,<5	55,35,170	40,35,65	20 65,105
5,10,<5	50,45,280	40,20,80	30,170,85
40,85,60	30,35,155	45,20,110	20 75,160
20,45,15	15,10,70	60,35,160	25,70,165
70,45,120	10,15,25	65,45,195	65,135,180
55,35,90	<5,<5,<5	30,75,150	35,45,410
60,40,135	<5,<5,15	55,95,20	70,100,240
30,85,55	15,15,10	65,70,290	70,185,150
15,35,65	5,10,40	330,590,800	65,175,115
10,35,30	50,<5,155	135,260,300	65,260,145
10,55,10	65,<5,170	260,490,400	35,75,85
40,65,155	75,<5,240	70,140,195	125,240,380
95,45,390	65,<5,140	20,45,25	115,160,470
85,70,540	65,<5,145	30,70,100	95,310,220
45,115,115	60,5,130	80,75,380	70,180,330
90,60,330	50,30,110	75,60,260	30,170,80
100,85,490	15,15,25	40,65,60	60,240,90
130,125,450	<5,<5,<5	<5,10,<5	85,95,130

60,15,155	40,30,65	65,30,120	
45,10,150	35,15,55	35,25,50	
65,10,130	55,20,70	25,10,35	
75,20,140	50,15,75	<5,<5,<5	
65,5,95	50,20,80	25,5,25	
80,10,100	40,15,110	35,15,45	
50,10,80	75,25,105	10,30,<5	
45,15,105	60,20,105	5,20,<5	
60,15,120	45,30,100	50,<5,80	
45,15,115	65,20,100	55,10,80	
60,15,85	60,50,105	70,<5,95	
50,15,120	70,20,105	35,<5,65	
70,15,140	65,65,90	35,<5,70	
60,10,110	65,30,115	35,10,65	
70,10,100	60,25,115	50,<5,85	
65,10,110	65,35,125	35,5,50	
60,15,110	55,35,100	50,10,60	
85,10,140	75,30,110	10,<5,<5	
45,15,95	35,30,70	<5,<5,<5	
30,20,20	75,30,100	145,55,65	
25,15,10	15,35,10	410,75,240	
20,15,<2	90,65,55	670,95,930	
15,20,<2	10,25,<5	320,105,190	
10,5,<2	<5,30,<5	200,160,270	
10,10,<2	55,40,40	55,85,40	
10 15,<2	70,65,100	180,175,260	

769150

5 cm

88-2822

CRA EXPLORATION PTY. LIMITED

7508

MOINA E.L. 7/74
IRIS RIVER SOIL GEOCHEMISTRY
Cu - Pb - Zn (ppm)

REF.	SK55 - 3	(8014 - 8114 - 8115)	
SCALE	1 : 5000	DRAWN	R.T.
AUTHOR	F.R.F.	REPORT No.	15173
DATE	28 - 10 - 1987	PLAN No.	TASh 3548

420 000mE

5 405 000mN

420 000mE

5 409 000mN

21

09

22

08

19

07

06

16

Lea River

WILMOT

LAKE GAIRDNER

F.S.L. 472m

1600W.

1400W.

1200W.

1000W.

800W.

600W.

400W.

200W.

0W.

500 N

BASE LINE 00m

SMD 14

SMD 17

SMD 21

SMD 20

SMD 22

SMD 23

SMD 8

MOINA

500 S

1000 S

1500 S

3200W.

3000W.

2800W.

2600W.

Stormont River

Lea River

470 000mE

5 405 000mN

5 cm

769151

88-2822

CRA EXPLORATION PTY. LIMITED

MOINA E.L. 7/74 7501

IRIS RIVER SOIL GEOCHEMISTRY

Bi - Ag - Au (ppm)

REF.	SK55 - 3	(8014 - 8114 - 8115)	
SCALE	1 : 5000	DRAWN	R.T.
AUTHOR	F.R.F.	REPORT No.	15173
DATE	28 - 10 - 1987	PLAN No.	TASh 3549

420 000mE

5 409 000mN

21

09

22

08

19

07

06

Lea River

WILMOT

LAKE GAIRDNER

F.S.L. 472m

1600W.

1400W.

1200W.

1000W.

800W.

600W.

400W.

200W.

0 W.

500 N

BASE LINE 00m.

SMD 14

SMD 17

SMD 21

SMD 20

SMD 22

SMD 23

SMD 8

MOINA

500 S

1000 S

1500 S

3200W.

3000W.

2800W.

2600W.

Stormont

420 000mE

5 405 000mN

5 cm

769152

88-2822

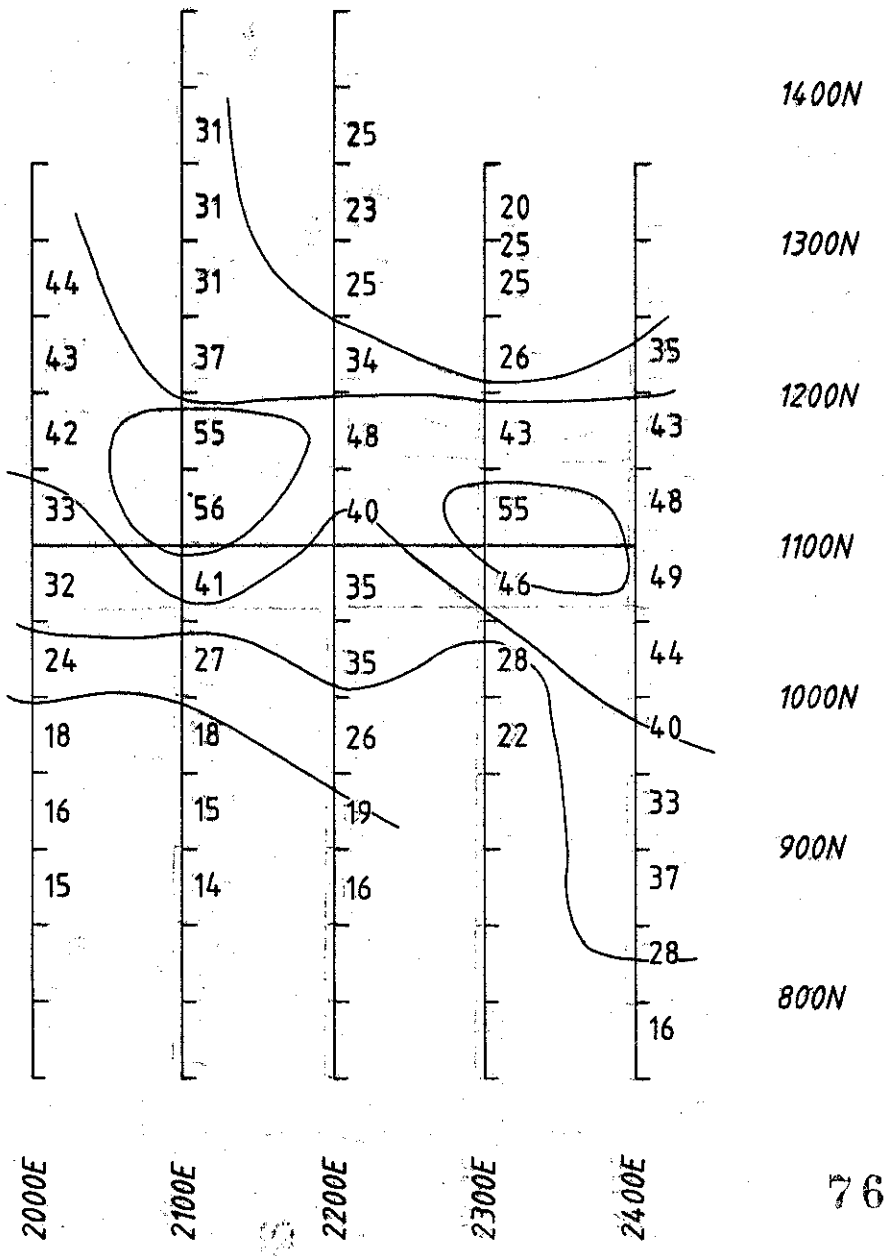
CRA EXPLORATION PTY. LIMITED

MOINA E.L. 7/74 7509

IRIS RIVER SOIL GEOCHEMISTRY

Fe (%) - Mn - Mo (ppm)

REF.	SK55 - 3	(8114 - 8014 - 8115)	
SCALE	1 : 5000	DRAWN	R.T.
AUTHOR	F.R.F.	REPORT No.	15173
DATE	28 - 10 - 1987	PLAN No.	TASh 3550



769153

5 cm

Values calculated by averaging values for n = 1 and n = 2.

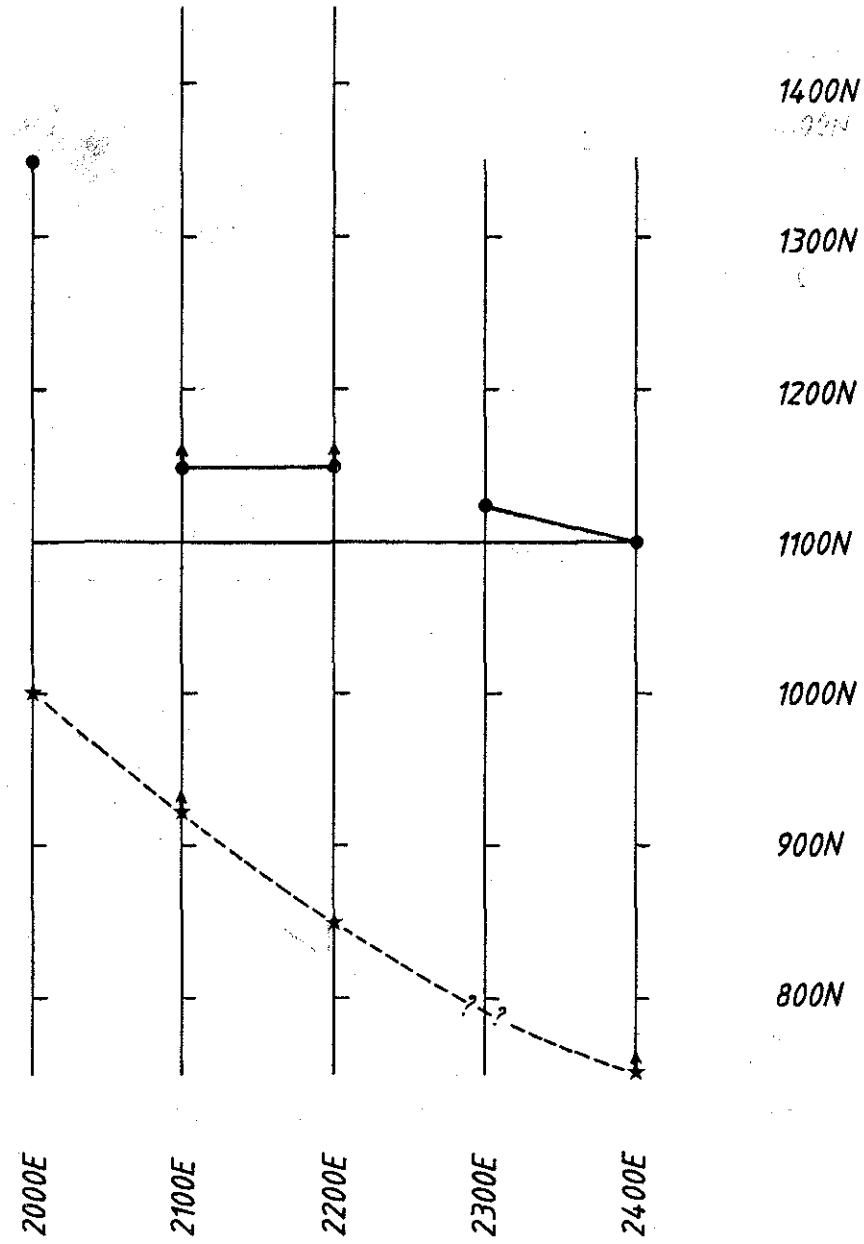
CRA EXPLORATION PTY. LIMITED

MOINA E.L. 7/74
DOLCOATH ROAD GRID
CHARGEABILITY CONTOURS

REF.	SK55 - 3		(8014 - 8114 - 8115)
SCALE	1 : 5000	DRAWN	R.T.
AUTHOR	T.v.S.	REPORT No.	15173
DATE	8 - 10 - 1987	PLAN No.	TASh 3530

88-2822

142



5 cm

8-8-2822

769154

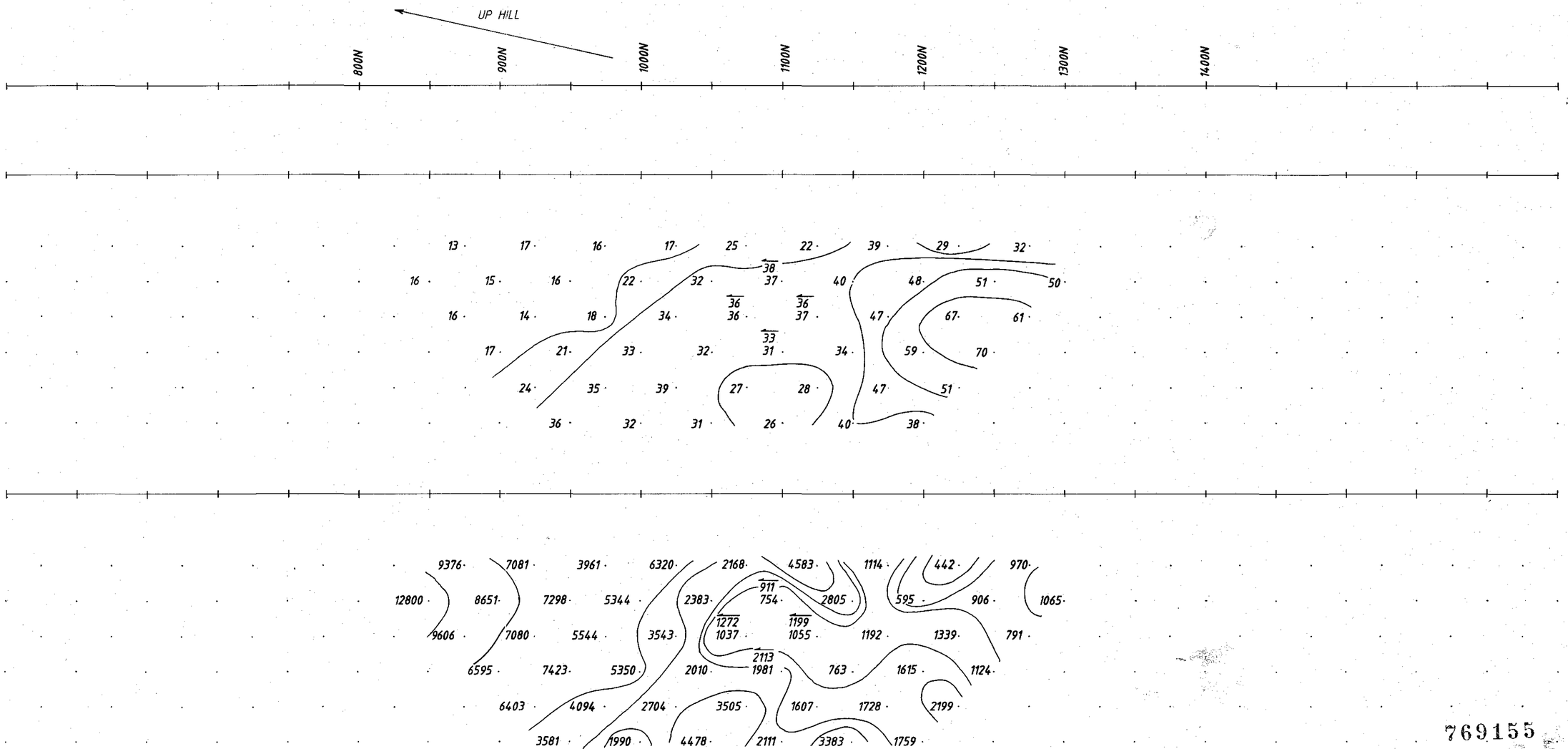
Chargeability Anomaly with Dip Direction.

Resistivity Anomaly with Dip Direction.

CRA EXPLORATION PTY. LIMITED

MOINA E.L. 7/74
DOLCOATH ROAD GRID
I.P. SURVEY ANOMALY POSITIONS

REF.	SK55 - 3	(8014 - 8114 - 8115)	
SCALE	1 : 5000	DRAWN	R.T.
AUTHOR	T.vS.	REPORT No.	15173
DATE	8 - 10 - 1987	PLAN No. TASh	3531



Array.	Dipole - Dipole.
Dipole legnth.	50 metres.
Transmitter type.	Huntec Mk IV 7.5kW
Timing sequence.	2 sec. on 2 sec. off
Receiver type.	Huntec Mk IV s/n
Integration time.	Delay time 50 msec. width 150 msec.
I.P. Measured over one current pulse.	
Contractor.	SOLO GEOPHYSICS & CO.

5 cm

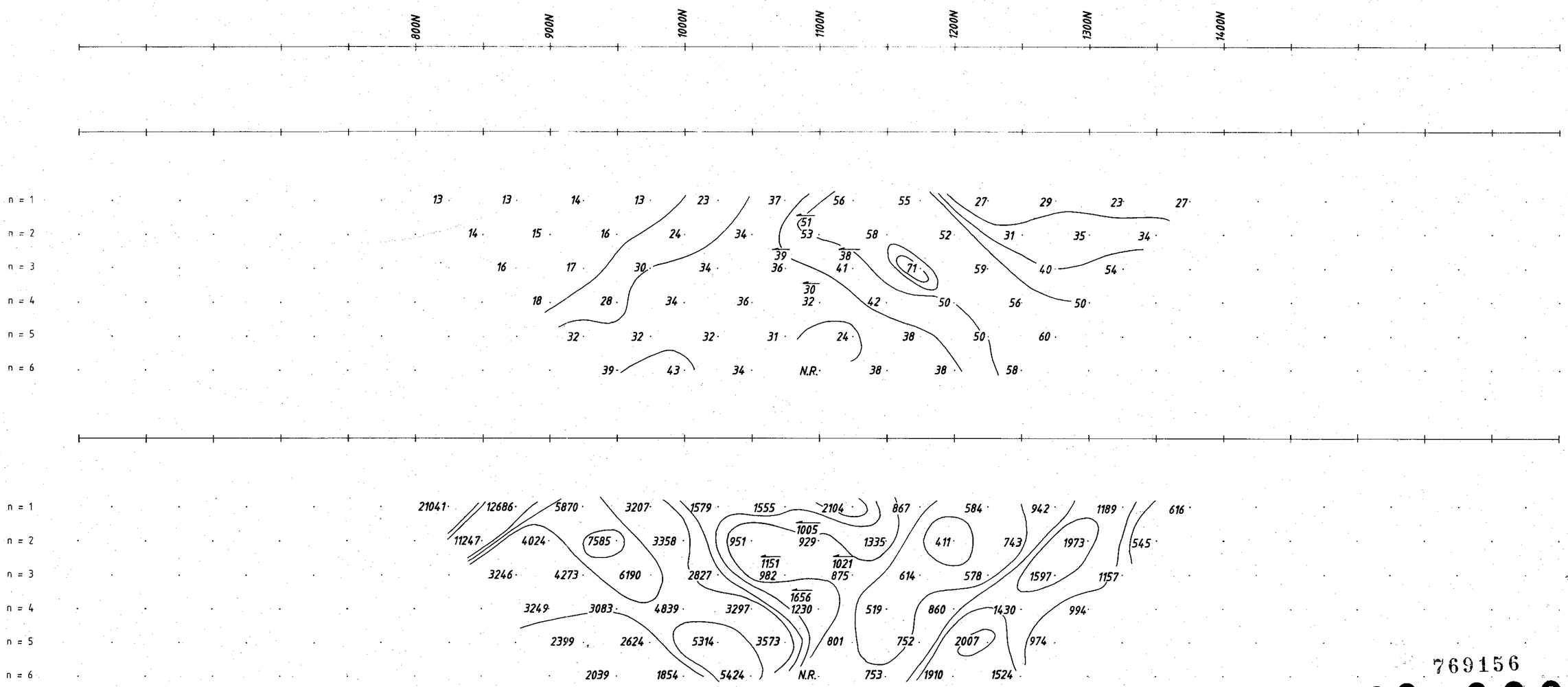
769155

88-2822

CRA EXPLORATION PTY. LIMITED

MOINA E.L. 7/74 7510
DOLCOATH ROAD ANOMALY
I.P. TRAVERSE
LINE 2000E

REF.	SK55 - 3	(8014 - 8114 - 8115)	
SCALE	1 : 2500	DRAWN	R.T.
AUTHOR	T.vS.	REPORT No.	15173
DATE	23 - 9 - 1987	PLAN No. TASh	3505



Array.	Dipole - Dipole.
Dipole legnth.	50 metres.
Transmitter type.	Huntec Mk IV 7.5 kW
Timing sequence.	2 sec. on 2 sec. off
Receiver type.	Huntec Mk IV s/n
Integration time.	Delay time 50 msec. width 150 msec.
I.P. Measured over one current pulse.	
Contractor.	SOLO GEOPHYSICS & CO.

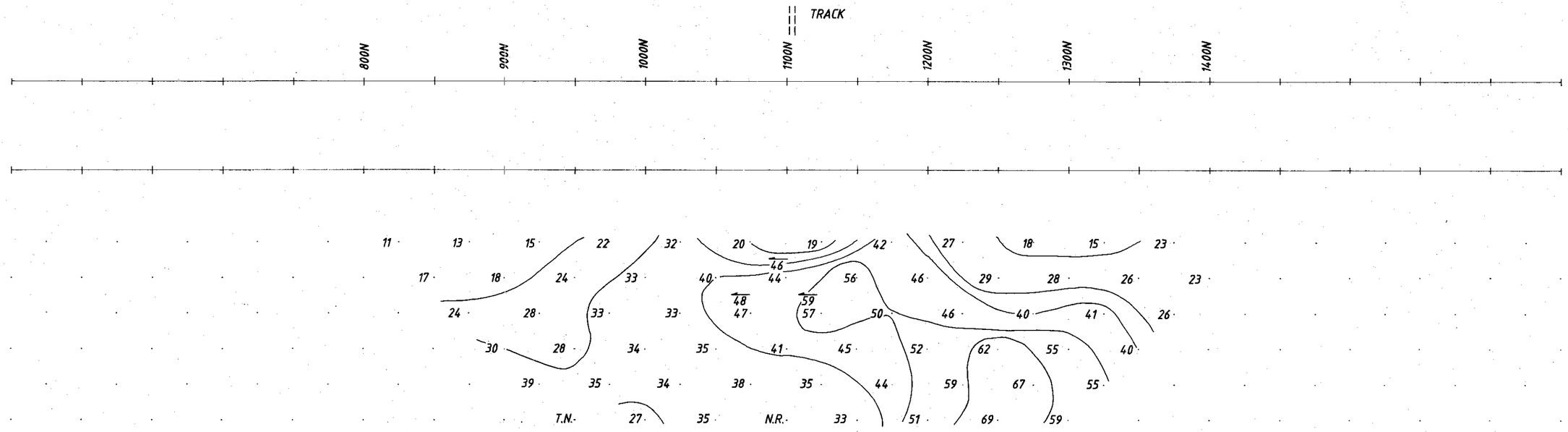
769156

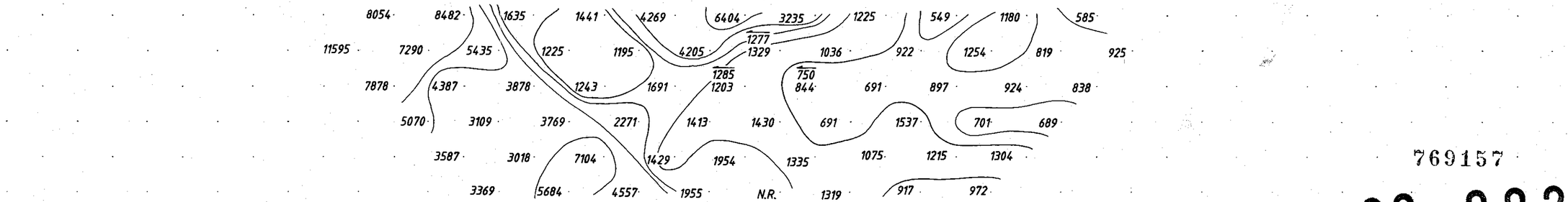
88-2822

CRA EXPLORATION PTY. LIMITED

MOINA E.L. 7/74 7511
DOLCOATH ROAD ANOMALY
I.P. TRAVERSE
LINE 2100E

REF.	SK55 - 3	(8014 - 8114 - 8115)	
SCALE	1 : 2500	DRAWN	R.T.
AUTHOR	T.vS.	REPORT No.	15173
DATE	23 - 9 - 1987	PLAN No. TASh	3506





Culture Plan

Apparent Chargeability (msecs)

Apparent Resistivity (ohm m)

769157

88-2822

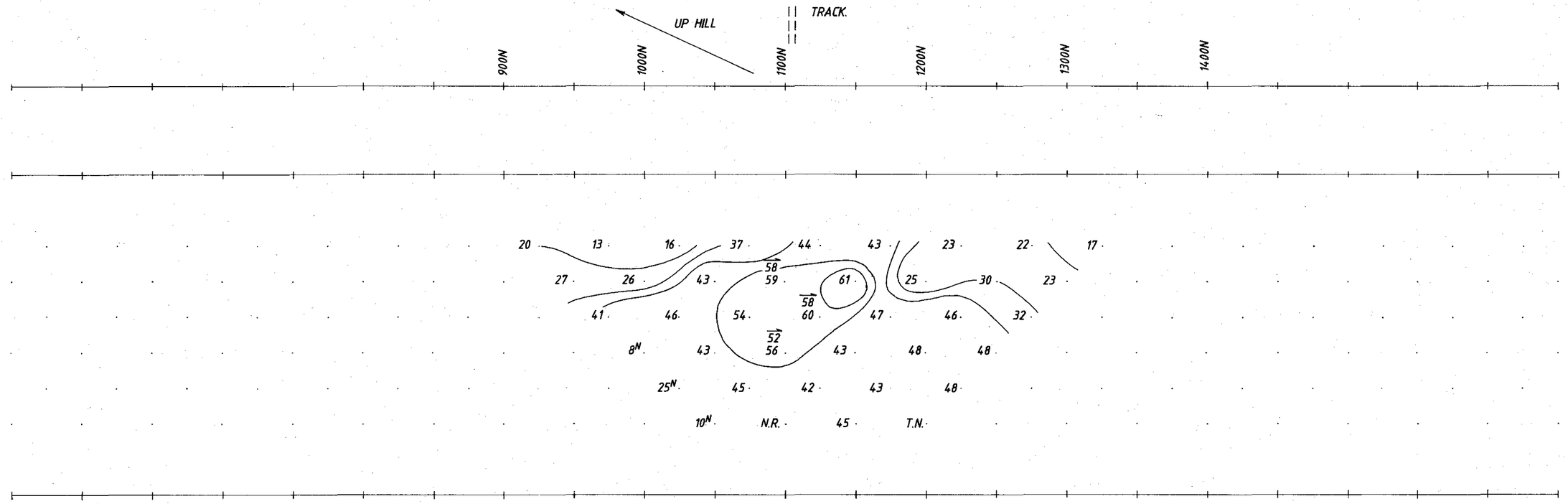
Array.	Dipole - Dipole.
Dipole legnth.	50 metres.
Transmitter type.	Huntec Mk IV 7.5 kW
Timing sequence.	2 sec. on 2 sec. off
Receiver type.	Huntec Mk IV s/n
Integration time.	Delay time 50 msec. width 150 msec.
I.P. Measured over one current pulse.	
Contractor.	SOLO GEOPHYSICS & CO.

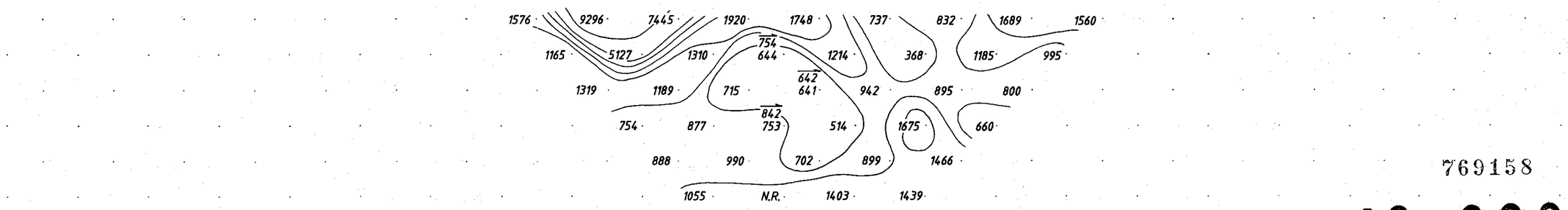
5 cm

CRA EXPLORATION PTY. LIMITED

MOINA E.L. 7/74 7512
DOLCOATH ROAD ANOMALY
I.P. TRAVERSE
LINE 2200E

REF.	SK55 - 3	(8014 - 8114 - 8115)	
SCALE	1 : 2500	DRAWN	R.T.
AUTHOR	T.vS.	REPORT No.	15173
DATE	23 - 9 - 1987	PLAN No. TASh	3507





Array.	Dipole - Dipole.
Dipole legnth.	50 metres.
Transmitter type.	Huntec Mk IV 7.5 kW
Timing sequence.	2 sec. on 2 sec. off
Receiver type.	Huntec Mk IV s/n
Integration time. Delay time 50 msec. width 150 msec.	
I.P. Measured over one current pulse.	
Contractor.	SOLO GEOPHYSICS & CO.

5 cm

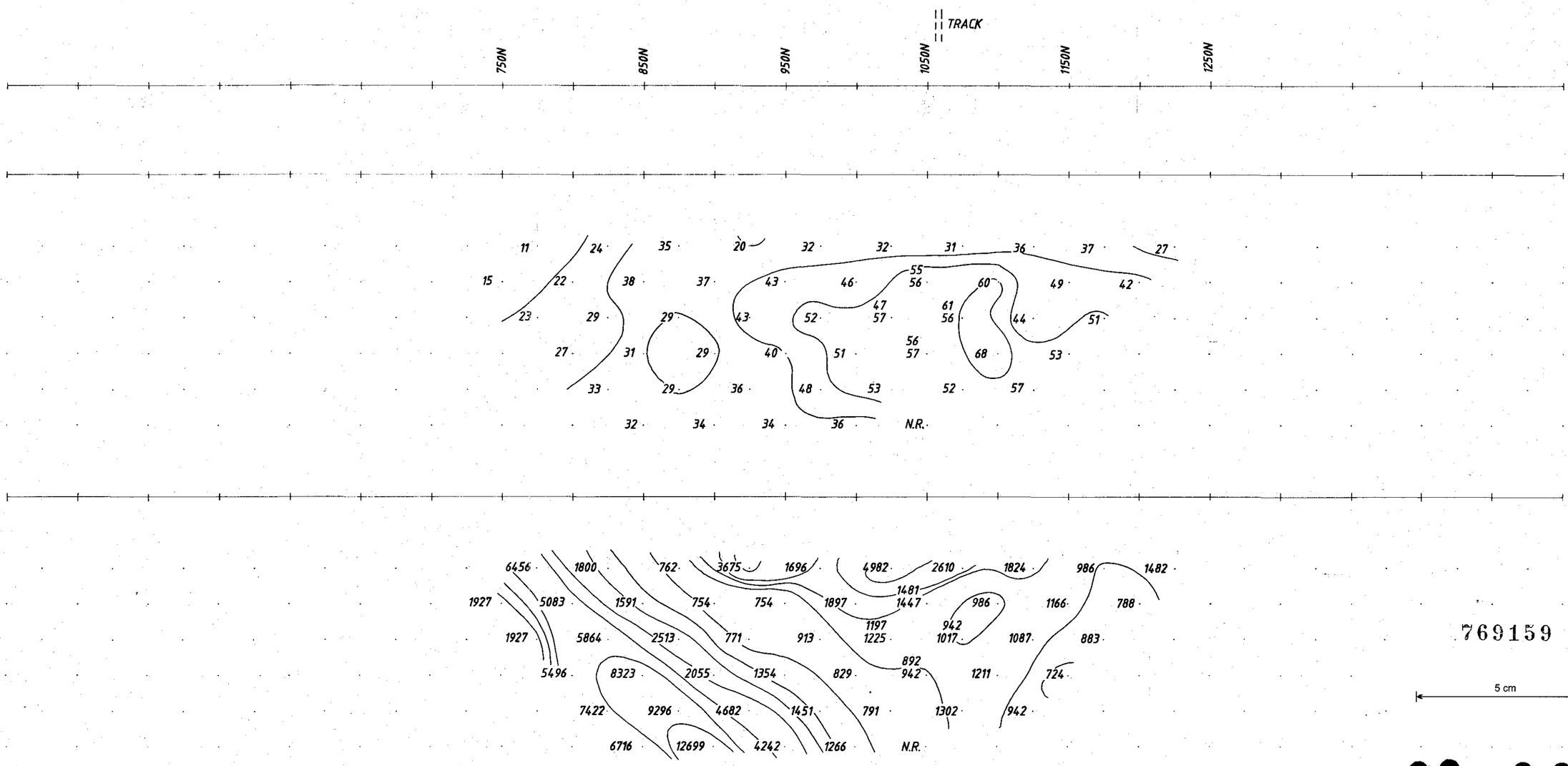
769158

88-2822

CRA EXPLORATION PTY. LIMITED

MOINA E.L. 7/74 7513
DOLCOATH ROAD ANOMALY
I.P. TRAVERSE
LINE 2300E

REF.	SK55 - 3	(8014 - 8114 - 8115)	
SCALE	1 : 2500	DRAWN	R.T.
AUTHOR	T.vS.	REPORT No.	15173
DATE	23 - 9 - 1987	PLAN No. TASh	3508



Array.	Dipole - Dipole.
Dipole legnth.	50 metres.
Transmitter type.	Huntec Mk IV 7.5 kW
Timing sequence.	2 sec. on 2 sec. off.
Receiver type.	Huntec Mk IV s/n
Integration time.	Delay time 50 msec. width 150 msec.
I.P.	Measured over one current pulse.
Contractor.	SOLO GEOPHYSICS & CO.

Culture Plan

Apparent Chargeability (msecs)

Apparent Resistivity (ohm.m)

769159

5 cm

88-2822

CRA EXPLORATION PTY. LIMITED

MOUNT MOINA E.L. 7/74

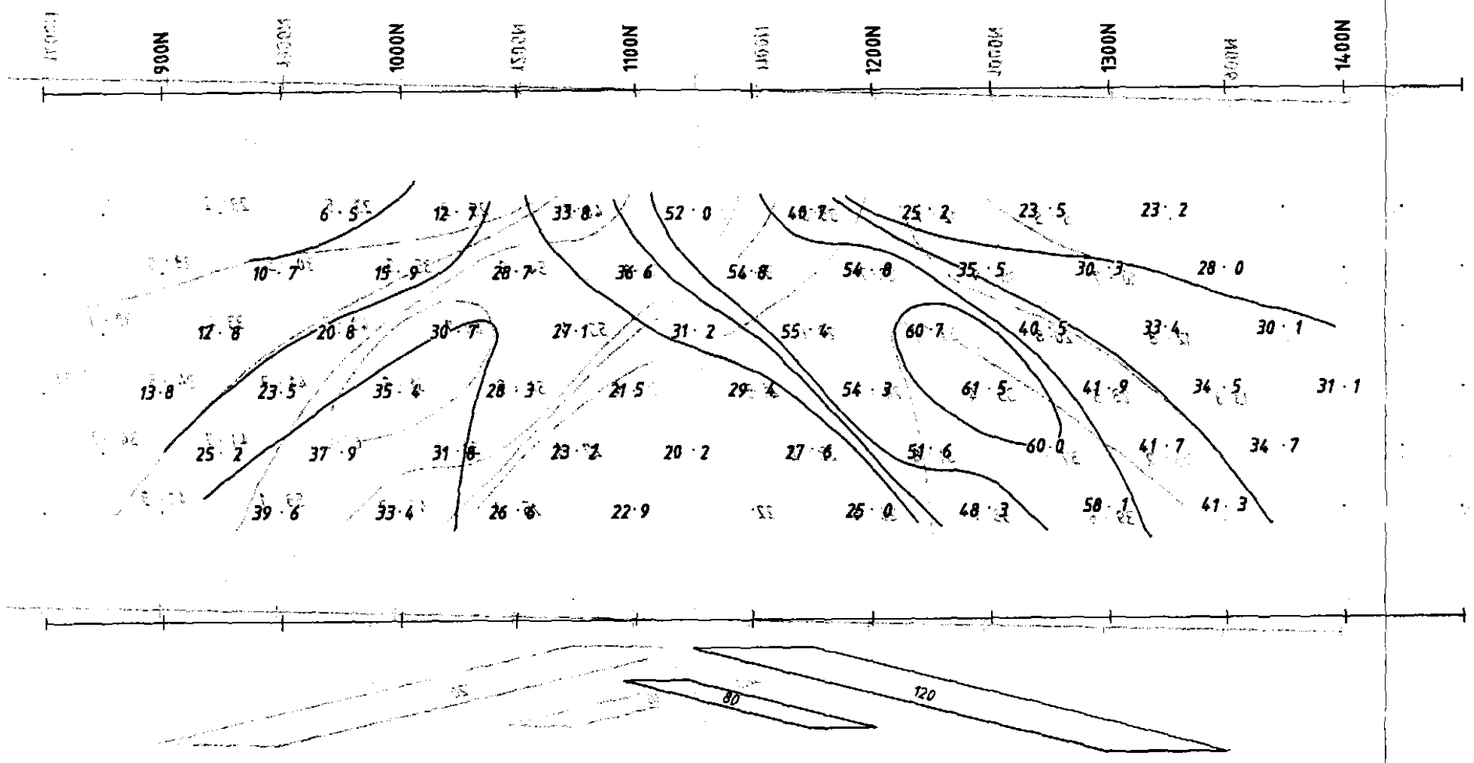
DOLCOATH ROAD ANOMALY

I.P. TRAVERSE

SOLO LINE 2400E

7514

REF.	SK55 - 3	(8014 - 8114 - 8115)	
SCALE	1 : 2500	DRAWN	R.T.
AUTHOR	T.v.S.	REPORT No.	15173
DATE	23 - 9 - 1987	PLAN No. TASh	3509



769160

5 cm

88-2822

CRA EXPLORATION PTY. LIMITED		
MOINA E.L. 7/74 DOLCOATH ROAD CHARGEABILITY ANOMALY LINE 2100E COMPUTER MODEL		
REF.	SK55 - 3	(8014 - 8115 - 8114)
SCALE	1 : 2500	DRAWN R.T.
AUTHOR	T.vS.	REPORT No. 15173
DATE	8 - 10 - 1987	PLAN No. TASh 3532