



# POSEIDON GOLD LIMITED

A.C.N. 007 511 006

A PosGold Company

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## ANNUAL AND FINAL RELINQUISHMENT REPORT

### FOR EL 6306 - TAYLOR HILLS

### BARROW CREEK JOINT VENTURE PROJECT

### BARROW CREEK 1:250,000 SHEET SF53-6

# OPEN FILE

## VOLUME I OF I

**AUTHOR:** J SCHUSTERBAUER  
EXPLORATION GEOLOGIST

**DATE:** JANUARY 1992

**AUTHORISED BY:**

*C.M. Lee*

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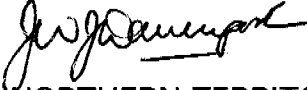
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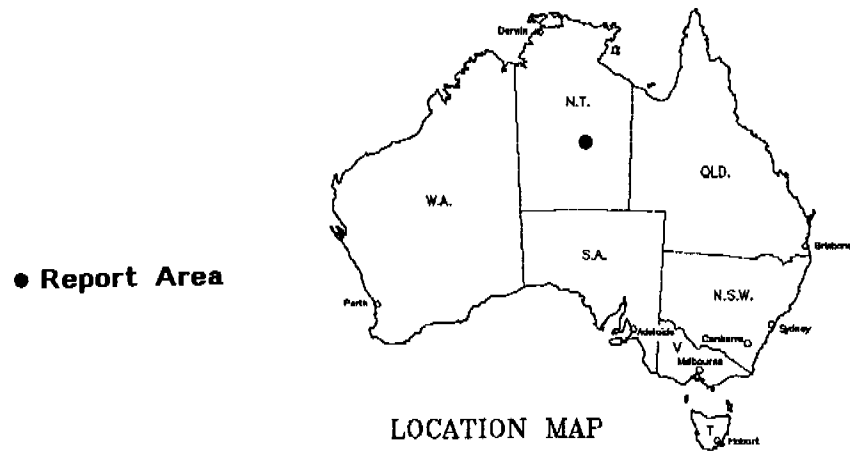
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2	-80 Mesh Soil Geochemical Results
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REPORT NO: 11026  
TITLE: ANNUAL AND FINAL REPORT FOR EL 6306 - TAYLOR HILLS  
BARROW CREEK JOINT VENTURE PROJECT  
AUTHOR: J SCHUSTERBAUER  
DATE: JANUARY 1993



## 1.0 SUMMARY

This report details the work conducted by Poseidon Gold Limited as project managers of the Barrow Creek Joint Venture covering EL 6306, during the period 16.11.91 to 15.11.92. The objective of the exploration programme has been to locate favourable hosts to gold mineralisation.

Work has included surveyed gridding, access road grading, minus 80 mesh soil sampling, geological mapping, a sacred site clearance survey and vacuum bedrock drilling.

Geochemical results from the vacuum drilling programme were of low order and hence a decision was made to surrender the balance of EL 6306 (i.e. 21 blocks).

## 2.0 INTRODUCTION

Exploration Licence 6306 forms part of the Barrow Creek group of tenements which are subject to a joint venture agreement between Poseidon Gold Limited (PGL), Poseidon Exploration (POSEX) and Yuendumu Mining Company (YMC). Exploration objectives have been directed towards discovery of "Granites" style gold mineralisation.

For the four years ending 15 November, 1992, a work programme including hand and compass gridding, access road grading, minus 80# soil sampling, geological mapping, sacred site clearance survey and bedrock vacuum drilling was completed. A summary of work statistics is presented in Table 1.

## TABLE 1

### SUMMARY WORK STATISTICS FOR EL 6306

#### FOR THE PERIOD 16.11.88 TO 15.11.92

Gridding	- Hand and Compass	0.6 km
	- Dozing	2.0 km
Minus 80 Mesh Soil Samples		258
Geological Mapping		Yes
Landsat Imagery		Yes
Vacuum Holes		40
Downhole Samples		40
Sacred Site Clearance Survey		Yes

#### **2.1 Location and Access**

Exploration Licence 6306 is located approximately 200 km south of Tennant Creek and 30 km north of the small service centre of Barrow Creek, refer Figure 1. The project area is accessed via station and previous exploration tracks.

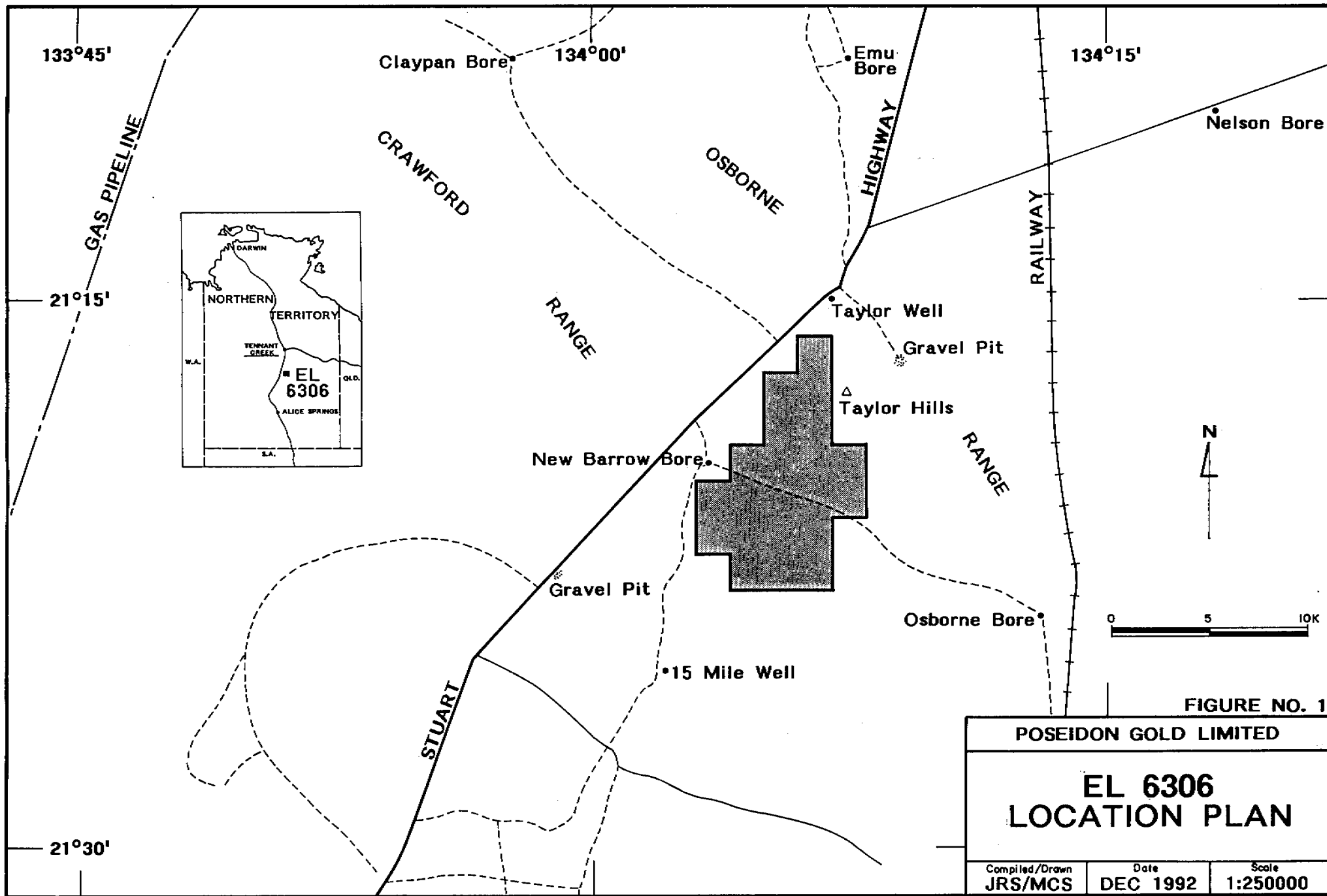
#### **2.2 Climate and Physiography**

The climate is typically hot in summer with mean daily temperatures ranging from 25°C to 40°C. During winter the temperature is ambient with mean daily temperatures varying from 10°C to 24°C.

A NW trending arcuate orthoquartzite ridge (Taylor Range) outcrops prominently within the northern part of the project area. Elsewhere, subcropping schistose sandstone and siltstone occur. The dominant vegetation is characterised by dense mulga and spinafex with lesser porcupine scrub and ti-tree.

#### **2.3. Tenure**

Exploration Licence 6306 comprising 21 graticular blocks is in a mature exploration stage having completed it's fourth year of tenure. Re-evaluation of all geological data (past and present) led to the downgrading of the area for the discovery of potentially economic gold mineralisation and hence, a decision to relinquish the tenement was made.



## **2.4 Previous Exploration**

The area under investigation shows little evidence of past exploration activity. At the Petrick's Prospect, a series of shallow prospecting pits expose weakly mineralised (Au-Cu) sheeted-quartz veins, refer Figure 2. Numerous small workings occur in the granites and amphibolites to the south and the south-east of the exploration licence where Sn, mica, W, Ta and Cu have been previously extracted by prospectors.

Kewanee Australia Pty. Ltd. conducted a broad exploration programme between 1970-1974 within the Crawford-Osborne Range area. Interpretation of geophysical, geochemical and geological data defined a number of potential base metal targets. These were subsequently followed up by a combination of percussion, diamond and RAB drilling techniques. A sub-economic Cu-Ni resource (Prospect D) of moderate tonnage was outlined but considered too low grade to warrant further investigation and a decision was made to relinquish the ground in late 1973.

Limited exploration was conducted by Australia Mining Co. Pty. Ltd in 1969 within the Crawford Range area. Emphasis was on the base metal potential within pegmatites, granites and metadolerites. Overall, results were disappointing and no additional work was undertaken.

## **3.0 GEOLOGICAL SETTING**

### **3.1 Regional Geology**

The oldest rocks in Barrow Creek are metamorphosed arenites, pelites, carbonates and volcanics of the Arunta Inlier. These rocks have been deformed and regionally metamorphosed to upper greenschist facies, possibly between 1810-1750Ma (Black, 1981).

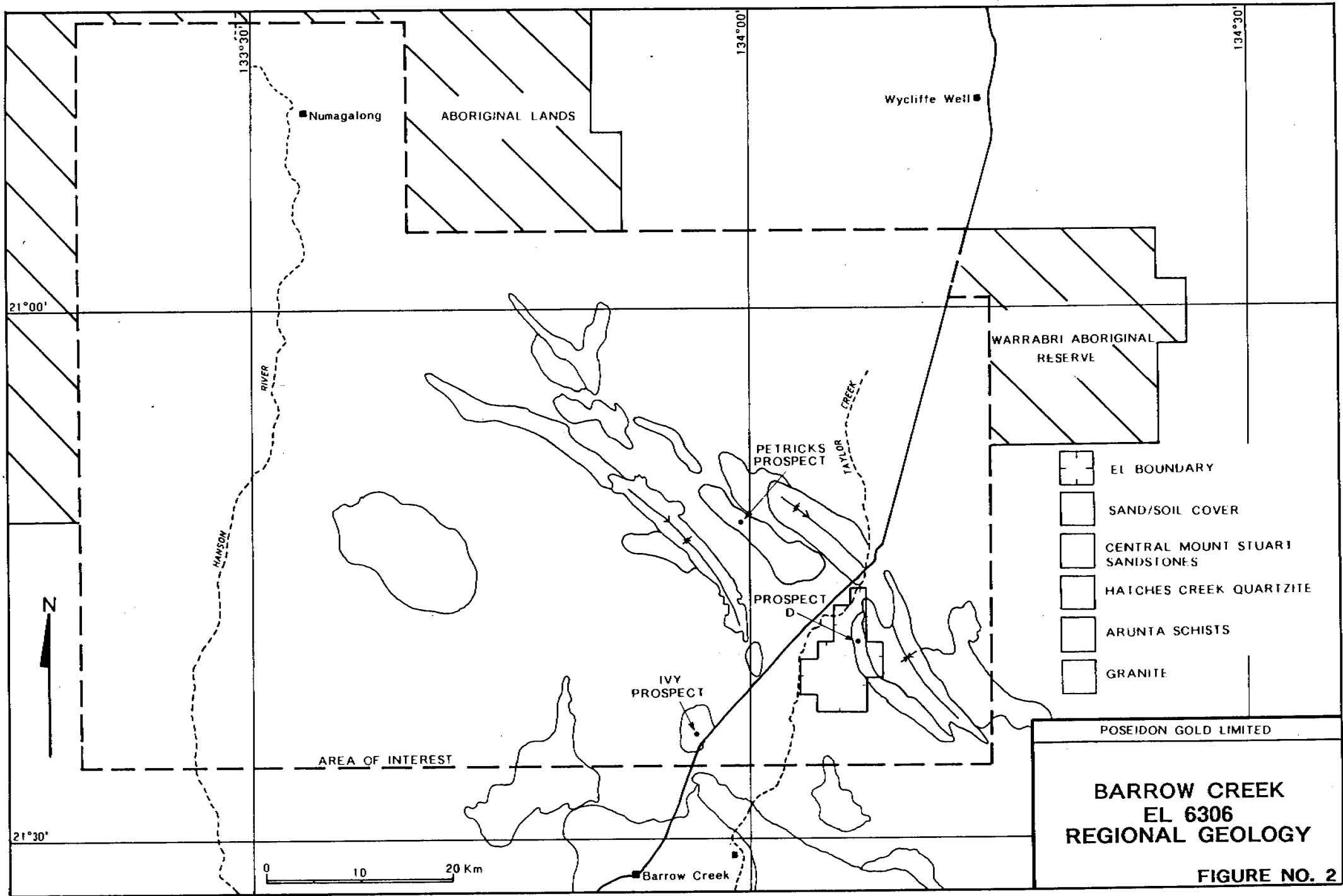
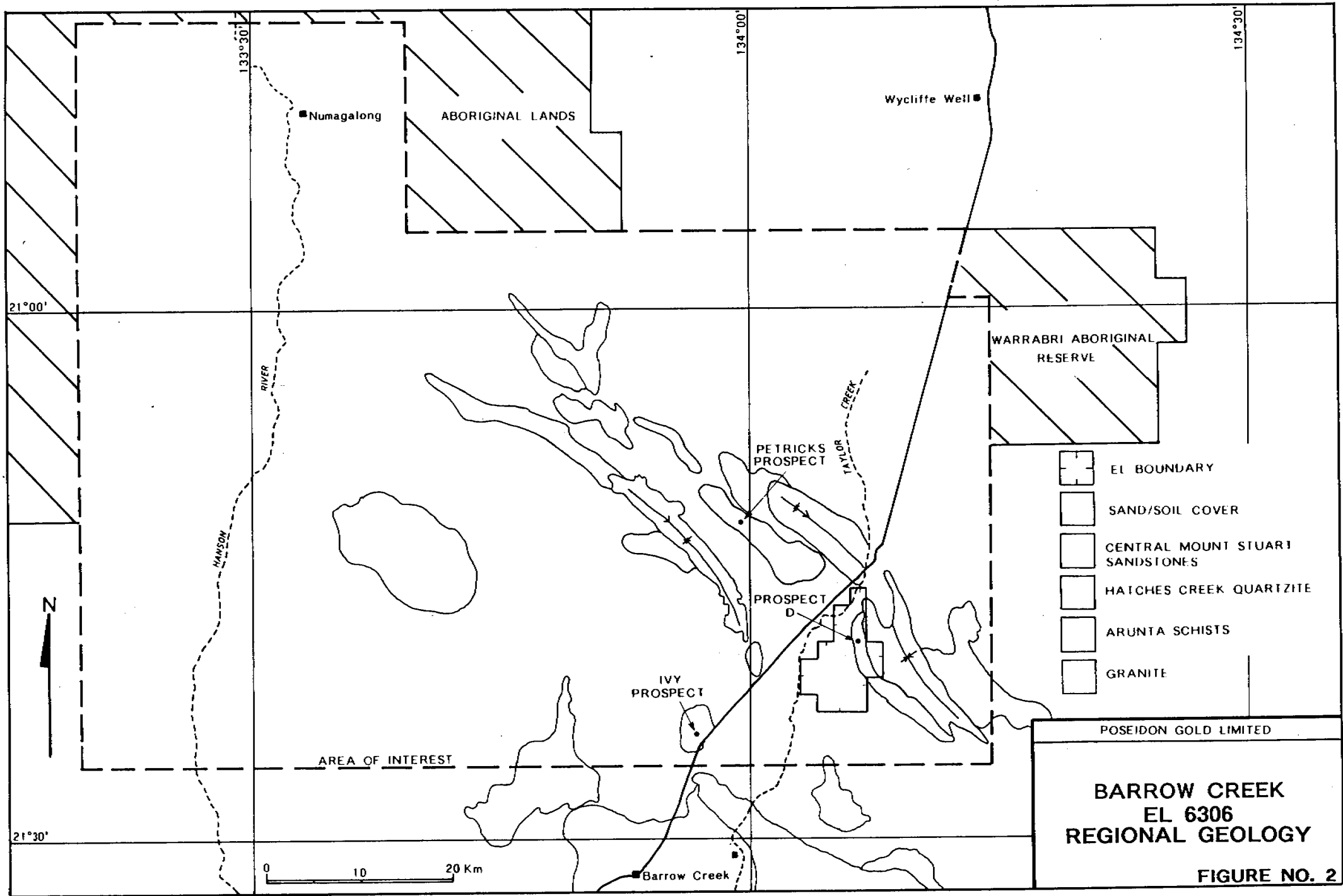
Unconformably overlying the Arunta basement rocks are the Lower Proterozoic, Hatches Creek Group comprising fluvial to shallow marine sediments and felsic to mafic volcanics. This sequence has been subdivided into two units based on deposition characteristics. The lower unit reflects relatively immature sandstones and pelites whilst the upper unit tends to more mature cross-bedded and ripple-marked arenites and siltstones.







After deposition, the Hatches Creek Group was folded about NW trending axes and metamorphosed to upper greenschist facies.

The Arunta Inlier and Hatches Creek Group were then extensively intruded by granites and pegmatite, possibly around 1660Ma (Blake and others, 1987)

A long period of erosion followed with subsequent deep weathering during the Tertiary to produce silicate and ferricrete horizons. During the Quaternary large areas of the plains were covered by a thin veneer of aeolian sands.





-  EL BOUNDARY
-  SAND/SOIL COVER
-  CENTRAL MOUNT STUART SANDSTONES
-  HATCHES CREEK QUARTZITE
-  ARUNTA SCHISTS
-  GRANITE

## **4.0 1988/1992 EXPLORATION PROGRAMME**

### **4.1 Geological Mapping**

Geological mapping compiled at 1:9192 scale by Kewanee Australia Pty Ltd during the early 1970's has been converted to 1:10,000 scale, refer Plate 1. This base geological map sheet was continually modified as new data became available.

### **4.2 Landsat Imagery**

Processed Landsat Thematic Mapper scenes were acquired and have been used to identify target structures and to assist the interpretation of drainage and sheet wash patterns for soil sampling exercises.

### **4.3 Soil Geochemistry**

A minus 80 mesh regional soil sampling programme was completed over the project area on 500 x 250 metre spacings, refer Plates 2, 3 and 4. A total of 258 samples were collected. The results of this geochemical survey are presented with their AMG co-ordinates in Appendix 2.

This work delineated a subtle gold response proximal to Prospect D with a peak gold value of 7ppb Au. Muted arsenic responses up to 11ppm were recorded.

### **4.4 Vacuum Drilling**

At Prospect D, a programme of geochemical bedrock vacuum drilling was completed using a tractor mounted rig contracted from Tracey's Drilling, Tennant Creek. Vacuum drilling was conducted on 50 metre traverse lines across an altered doleritic sill with vertical holes spaced every 10 metres.

All vacuum drillholes were terminated upon intersecting either mottled chips, variegated saprolite or fresh bedrock. Systematic downhole sampling was undertaken on 1 metre intervals.

40 bottom of hole samples containing saprolite material were collected and submitted to AMDEL (Darwin) for low level gold-base metal analysis. Gold was determined by using an aqua regia digestion method with a carbon rod/AAS finish. The lower detection limit for gold was set at 2ppb Au.

#### **4.4.1 Prospect D**

40 vacuum drillholes for 149 metres were drilled to test the potential for economic gold mineralisation within an altered doleritic sill, refer Plate 5 for drillhole locations. Dominant lithologies intersected included dolerite, shale, quartz greywacke and siltstone, refer Plate 6. Intermittent sericite and silica alteration were noted. Gold values were of low tenor with values ranging from <1 ppb Au to 33ppb Au. Arsenic responses were low with values ranging from <5ppm As to 80ppm As. Summary downhole lithological and geochemical results are contained in Appendix 3.

**4.5 Aboriginal Issues**

EL 6306 was granted subject to the Aboriginal Sacred Sites Act. Prior to the implementation of low impact exploration techniques, such as soil and rock chip sampling a sacred site clearance survey was initiated. This established exclusion zones for sacred sites around the Taylor Hills area, refer Plate 1. No exploration was undertaken within these exclusion areas.

**5.0 EXPENDITURE FOR THE YEAR FOUR OF TENURE**  
**(16-11-91 to 15-11-92)**

The expenditure incurred on EL 6306 totals \$4,237 which falls short of the Year Four covenant of \$15,000. An increase in expenditure incurred on EL6307 which necessitated an overall reduction in expenditure within EL6306.

**TABLE 2**

Expenditure Statement for EL 6306 for the year ending 15-11-92

	\$
Administration and Reporting	117
Assays	93
Drilling - Vacuum	1,709
Hire of Equipment	40
Motor Vehicle Expenses	240
Salaries	1,647
Wages	365
Accommodation	26
	-----
TOTAL	\$4,237
	-----

**6.0 REFERENCES**

Black, L.P., 1981- Age of the Warramunga Group, Tennant Creek Block, Northern Territory, BMR Journal of Australia Geology and Geophysics, 6, 253-257.

Blake, T.U., Stewart A.J., Sweet, I.P., and Hone, I.E., 1987-Geology of the Proterozoic Davenport Province, central Australia. Bureau of Mineral Resources, Australia, Bulletin, 226.

APPENDIX 1

TENEMENT SCHEDULE

**TENEMENT SCHEDULE**

EL 6306

TITLE HOLDER: Poseidon Gold Limited  
DATE GRANTED: 16-11-88  
EXPIRY DATE: 15-11-92  
AREA: 21 blocks

**APPENDIX 2**

**-80 MESH SOIL GEOCHEMICAL RESULTS**

## APPENDIX 2

## -80# SOIL GEOCHEMISTRY

SNN	E(AMG)	N(AMG)	Au ppb	As ppm
1020	403020	7643161	0	0
1380	403020	7641551	1	2
1366	403109	7642033	0	0
1581	403115	7640467	0	4
3818	403158	7643489	3	0
1025	403161	7642666	0	2
3848	403250	7640927	0	3
1379	403276	7641512	0	0
1019	403280	7643099	0	3
1580	403361	7640416	0	3
1365	403363	7641995	2	4
3817	403396	7643495	3	0
1026	403404	7642623	0	0
3847	403424	7640895	0	0
1018	403518	7643074	0	0
1579	403608	7640375	0	0
1364	403615	7641955	1	0
3846	403645	7640879	0	2
3816	403647	7643500	2	0
1027	403656	7642582	1	4
1378	403764	7641419	0	4
1017	403768	7643037	0	0
1578	403854	7640340	0	3
1363	403855	7641916	0	0
1028	403901	7642538	0	0
3815	403905	7643497	0	0
1016	404005	7642988	0	0
1577	404098	7640305	0	2
1362	404101	7641865	0	3
3814	404150	7643500	7	2
1029	404158	7642503	0	0
3845	404161	7640769	0	0
1377	404266	7641333	0	2
1015	404266	7642941	0	0
1361	404343	7641823	0	5
1576	404346	7640262	1	2
1030	404388	7642450	0	4
3813	404393	7643493	3	0
2913	404506	7644467	2	2
1014	404509	7642896	0	0
3836	404530	7642938	0	0
2090	404550	7650700	1	2
2091	404550	7650450	0	0
1329	404562	7644959	0	4
1360	404586	7641789	0	2
1575	404588	7640223	0	3
1031	404634	7642415	0	5
3812	404639	7643499	3	2
3844	404642	7640718	0	4
1376	404753	7641255	0	3
2912	404754	7644436	4	3
1013	404757	7642857	0	0
3835	404785	7642938	2	5
1328	404812	7644915	0	2
1574	404836	7640183	0	0
1359	404841	7641753	0	0
2092	404850	7650000	0	4
2093	404850	7650250	0	2
2094	404850	7650500	0	2
2095	404850	7650750	2	3

2096	404850	7651000	0	4
2097	404850	7651250	0	0
1032	404886	7642369	0	0
3811	404893	7643505	3	2
1012	404992	7642812	0	2
1375	404999	7641225	0	5
2911	405004	7644394	4	3
3834	405028	7642941	2	0
1327	405072	7644872	0	2
1573	405088	7640136	0	2
1358	405095	7641714	0	0
1033	405130	7642322	0	3
3810	405140	7643500	0	2
3843	405148	7640639	0	0
1374	405230	7641183	0	3
2910	405247	7644353	3	3
1011	405251	7642771	0	5
3833	405274	7642947	2	2
1326	405311	7644832	0	3
1572	405329	7640100	0	0
1357	405334	7641673	0	0
1034	405378	7642284	0	0
3809	405395	7643502	3	3
1373	405484	7641128	0	0
1010	405497	7642729	0	0
2909	405502	7644319	5	3
3832	405520	7642954	1	2
1325	405557	7644793	0	0
1571	405572	7640055	0	2
1356	405579	7641625	0	0
1035	405628	7642240	0	0
3842	405641	7640563	0	2
3808	405646	7643503	2	0
1372	405735	7641085	0	0
1009	405740	7642680	0	0
2908	405756	7644276	2	3
3831	405780	7642954	1	0
1324	405803	7644759	0	0
1570	405823	7640009	0	4
1355	405825	7641592	0	0
1036	405864	7642194	0	4
3841	405881	7640522	0	3
3807	405896	7643504	3	2
1371	405972	7641047	0	2
1008	405989	7642637	0	2
2907	406006	7644239	2	3
3830	406032	7642959	0	4
1323	406053	7644719	0	0
1569	406072	7639975	0	0
1354	406076	7641552	0	2
1037	406116	7642153	0	3
3840	406133	7640483	2	0
3806	406144	7643505	0	0
1370	406215	7640999	3	0
1007	406233	7642597	0	0
2906	406233	7644194	0	4
3829	406281	7642961	1	0
1322	406293	7644679	0	3
1568	406315	7639941	0	0
1353	406323	7641516	0	0
1038	406363	7642101	0	2
3839	406379	7640451	0	0
3805	406401	7643510	3	0
1369	406467	7640957	0	3
2905	406489	7644160	0	2
1006	406496	7642549	0	3
3828	406523	7642970	2	0
1321	406552	7644631	0	0
1352	406557	7641473	0	0
1567	406561	7639899	1	0
1039	406603	7642060	0	0



3838	406625	7640408	3	2
3804	406643	7643507	5	2
1368	406726	7640922	0	2
2904	406741	7644119	0	2
1316	406742	7644604	2	4
1005	406745	7642507	0	0
3827	406774	7642978	1	6
1351	406806	7641440	0	3
1315	406813	7644588	0	5
1566	406816	7639855	0	3
1040	406850	7642012	0	3
1314	406878	7644578	0	0
3837	406879	7640359	0	2
3803	406896	7643508	7	3
1313	406943	7644569	0	0
1551	406977	7640869	1	0
2921	406980	7644200	3	3
1004	406988	7642458	0	0
2903	406990	7644085	0	3
1312	406991	7644563	0	0
3826	407026	7642967	3	0
1311	407041	7644560	0	0
1041	407049	7641972	0	4
1586	407054	7639812	0	2
1383	407058	7641383	0	3
2920	407080	7644220	3	3
1310	407099	7644548	0	2
1395	407129	7640320	5	5
1309	407148	7644537	0	0
3802	407153	7643507	2	0
1042	407174	7641933	0	0
2919	407180	7644230	3	4
1308	407194	7644529	0	2
1003	407204	7642441	0	0
1552	407218	7640836	0	0
2902	407232	7644045	0	3
1307	407239	7644520	0	2
2918	407280	7644250	3	3
3819	407290	7642955	5	0
1306	407290	7644508	0	0
4110	407295	7642432	0	2
1587	407301	7639769	0	0
1384	407309	7641346	2	3
1305	407340	7644499	0	3
1043	407364	7641896	0	3
1396	407370	7640278	2	0
2917	407380	7644270	3	3
1304	407388	7644495	0	4
3801	407394	7643492	6	0
1303	407441	7644489	0	2
1553	407460	7640797	1	3
4109	407467	7642401	0	2
2916	407470	7644710	4	3
2901	407483	7644002	0	2
1302	407493	7644481	3	11
3820	407506	7642968	1	2
1301	407543	7644472	0	2
1588	407544	7639730	0	4
1385	407557	7641296	0	2
2914	407580	7644075	3	3
1044	407613	7641860	0	4
1397	407622	7640241	2	0
3116	407640	7643464	0	4
2915	407680	7644680	0	2
1554	407708	7640751	0	0
4108	407720	7642364	0	3
3821	407756	7642960	3	0
1589	407789	7639693	0	4
1386	407798	7641260	0	3
1398	407863	7640203	1	3
1045	407868	7641808	0	0

3117	407899	7643427	0	3
1555	407944	7640713	3	3
4107	407966	7642311	0	0
3822	407997	7642964	2	0
1387	408033	7641224	0	0
1590	408035	7639645	0	0
1399	408102	7640159	0	5
1046	408108	7641774	0	4
3118	408144	7643383	12	3
1556	408192	7640671	2	0
4106	408202	7642269	0	3
3823	408259	7642969	2	0
1591	408284	7639609	0	0
1388	408289	7641185	1	3
1047	408358	7641720	0	4
1400	408362	7640113	0	4
3119	408396	7643341	4	2
1557	408430	7640624	2	0
4105	408448	7642227	1	0
3824	408495	7642967	3	0
1389	408537	7641137	0	2
1592	408542	7639568	0	0
1048	408604	7641672	0	3
3101	408606	7640079	0	0
3120	408646	7643311	0	2
1558	408684	7640585	0	0
4104	408702	7642183	0	4
3825	408743	7642961	4	0
1390	408783	7641083	2	2
1593	408793	7639532	0	2
3121	408841	7643281	0	2
1049	408855	7641641	0	0
3102	408863	7640043	3	3
1559	408930	7640548	2	0
4102	408956	7642135	0	2
1594	409027	7639488	0	3
1391	409028	7641055	5	0
1050	409100	7641588	0	0
3103	409104	7640004	2	3
4103	409180	7642093	0	4
1560	409186	7640505	3	3
4101	409246	7641557	0	0
1595	409281	7639447	0	2
1392	409283	7641007	3	3
3104	409359	7639959	0	2
1561	409421	7640472	3	2
1393	409524	7640972	2	0
1596	409528	7639409	0	0
3105	409616	7639921	2	2
1562	409670	7640417	2	0
1394	409761	7640941	0	0
1597	409775	7639367	0	0
3106	409846	7639879	12	2
1563	409915	7640369	3	0
1598	410013	7639317	0	0
3107	410103	7639832	2	2
1564	410164	7640331	0	0
1599	410257	7639283	0	0
3108	410341	7639789	0	2
1565	410407	7640287	2	3
1600	410508	7639239	0	0
3109	410594	7639741	9	3
1346	410763	7639197	0	0
3110	410845	7639705	5	3

**APPENDIX 3**

**DOWNHOLE VACUUM GEOCHEMICAL RESULTS**

**AND LITHOLOGICAL LOGS**

**PDV-001 TO PDV-040**

<b>ABBREVIATIONS:</b>	RS	-	Red Soil	ch	-	chlorite
	DD	-	Dolerite	s	-	sericite
	GW	-	Greywacke	b	-	biotite
	SH	-	Shale	li	-	limonite
	SS	-	Schist	h	-	haematite
	Q	-	Quartzite	ma	-	malachite
				si	-	silicification
				Sz	-	Shear zone

## APPENDIX 3

## DOWNHOLE VACUUM GEOCHEMICAL RESULTS AND LITHOLOGICAL LOGS

BHID	E(AMG)	N(AMG)	FROM	TO	SNN	LITHO	Au ppb	As ppm
PDV 1	5100	5000	5	6	200332	DD/SI/C	2.0	20
PDV 2	5100	4990	4	5	200337	DD/CH/C	0.0	25
PDV 3	5100	4980	6	7	200344	DD/CH	0.0	25
PDV 4	5100	4970	4	5	200349	DD/CH	0.0	20
PDV 5	5100	4960	5	6	200355	DD/CH/C	0.0	15
PDV 6	5100	4950	2	3	200358	DD/MA/Q	33.0	60
PDV 7	5100	4940	2	3	200361	GW/B/S	11.5	0
PDV 8	5100	4930	8	9	200370	SL	1.0	10
PDV 9	5100	4920	4	5	200375	SS/CH/B	2.0	10
PDV 10	5100	4910	2	3	200378	SS/CH/B	2.0	0
PDV 11	5100	4900	2	3	200381	SS	0.0	0
PDV 12	5050	4930	2	3	200384	SS/Q/B/S	2.0	0
PDV 13	5050	4940	3	4	200388	SS/LI/S	0.0	0
PDV 14	5050	4950	4	5	200393	GW/Q/S	4.0	0
PDV 15	5050	4960	3	4	200397	SS/CH/C	5.5	10
PDV 16	5050	4970	3	4	200401	SS/B/S/Q	5.0	0
PDV 17	5050	4980	3	4	200405	SH/CH/S	0.0	25
PDV 18	5050	4990	9	10	200415	C/LI	0.5	15
PDV 19	5050	5000	0	1	200416	RS/GW	0.0	0
PDV 20	5050	5010	3	4	200420	DD/CH/L	0.0	0
PDV 22	5000	5040	5	6	200427	GW/Q/S/B	0.0	10
PDV 23	5000	5030	3	4	200431	GW/H/S/	0.0	55
PDV 24	5000	5020	2	3	200434	GW/Q/LI	0.0	85
PDV 25	5000	5010	2	3	200437	GW/B/S/L	1.0	0
PDV 26	5000	5000	2	3	200440	DD/CH/C	0.0	5
PDV 27	5000	4990	3	4	200444	SS/B/S/C	1.0	0
PDV 28	5000	4980	2	3	200447	SS/Q/B/S	0.0	0
PDV 29	5000	4970	2	3	200450	SS/B/S/Q	0.0	0
PDV 30	4950	4980	2	3	200453	SS/Q/B/S	0.0	0
PDV 31	4950	4990	1	2	200455	SZ/Q/SL	0.0	35
PDV 32	4950	5000	1	2	200457	SZ/Q/SL	0.0	10
PDV 33	4950	5010	1	2	200459	SL/Q	0.0	10
PDV 34	4950	5020	1	2	200461	SW/Q	0.0	5
PDV 35	4950	5030	0	1	200462	GW/Q	0.0	10
PDV 36	4900	5000	1	2	200464	SZ/GW/Q	0.0	10
PDV 37	4900	5010	2	3	200467	GW/Q	0.0	15
PDV 38	4900	5020	2	3	200470	SW/Q/LI	0.0	10
PDV 39	4900	5030	2	3	200473	SW/H/Q	0.0	200
PDV 40	4900	5040	1	2	200475	SS/Q	0.0	10

**APPENDIX 4**

**BIBLIOGRAPHIC DATA-SHEET**

**BIBLIOGRAPHIC DATA-SHEET**

REPORT NUMBER	11026
REPORT NAME	ANNUAL AND FINAL REPORT FOR EL 6306 - TAYLOR HILLS
PROSPECT NAME(S)	EL 6306 BARROW CREEK
OWNER/JV PARTNERS	POSEIDON GOLD LIMITED/YUENDUMU MINING COMPANY/POSEIDON EXPLORATION
KEYWORDS	VACUUM DRILLING, -80# SOIL GEOCHEMISTRY, GEOLOGY.
COMMODITIES	GOLD
TECTONIC UNIT	Bullion Schist
1:250,000 MAP SHEET	Barrow Creek SF 53-6
1:100,000 MAP SHEET	TAYLOR 5755

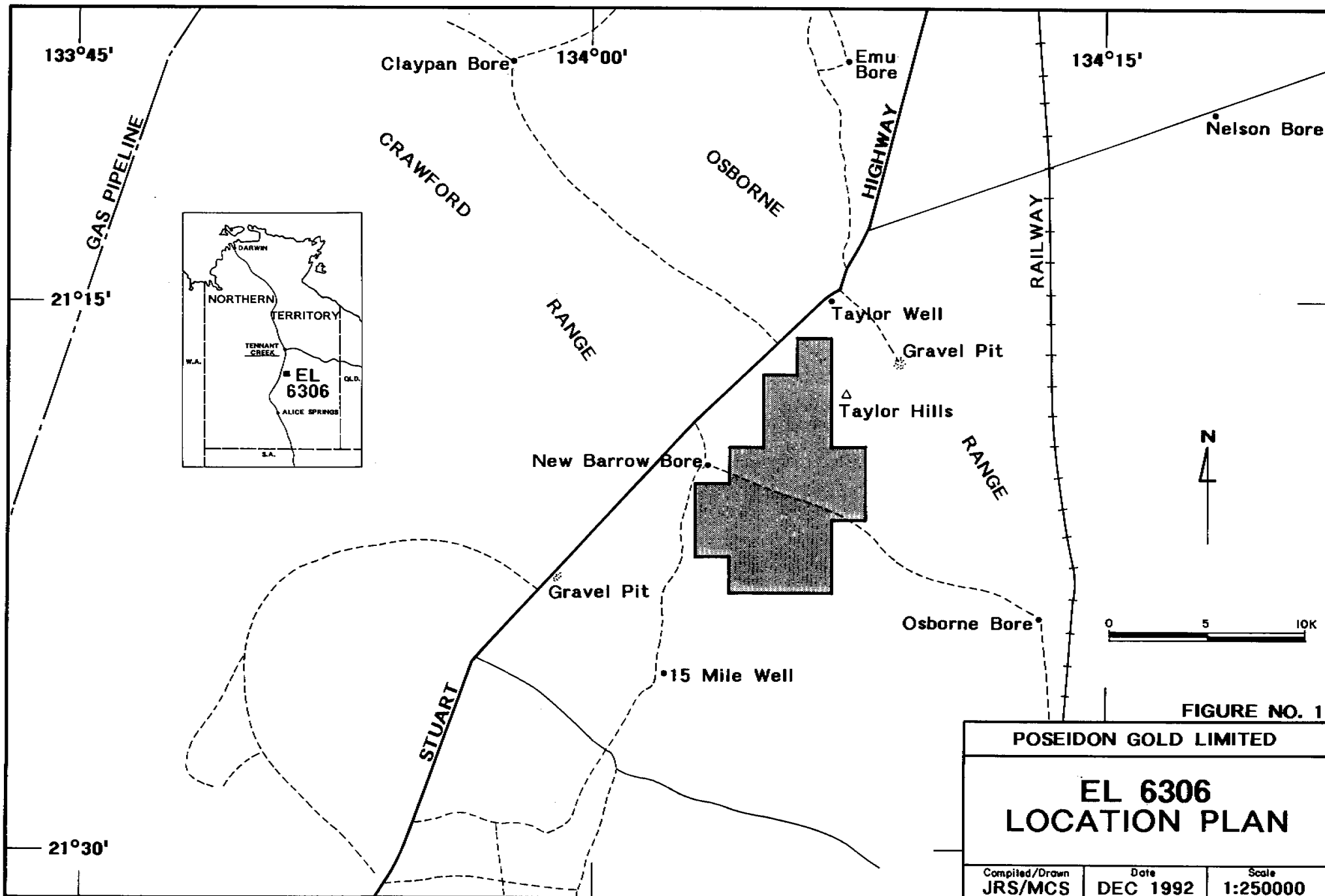
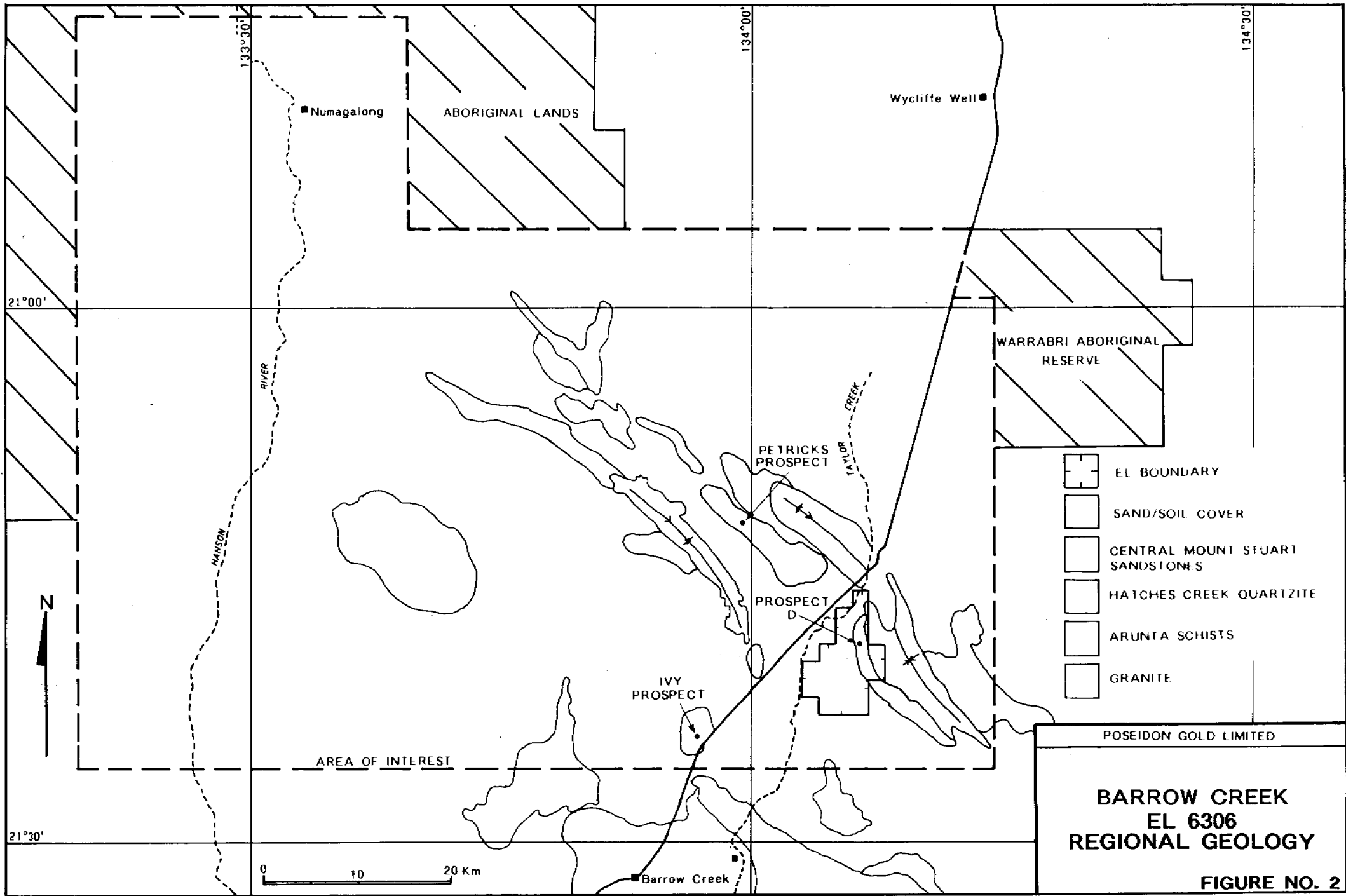








FIGURE NO. 1

POSEIDON GOLD LIMITED		
<b>EL 6306 LOCATION PLAN</b>		
Computed/Drawn JRS/MCS	Date DEC 1992	Scale 1:250000



-  EL BOUNDARY
-  SAND/SOIL COVER
-  CENTRAL MOUNT STUART SANDSTONES
-  HATCHES CREEK QUARTZITE
-  ARUNTA SCHISTS
-  GRANITE

POSEIDON GOLD LIMITED

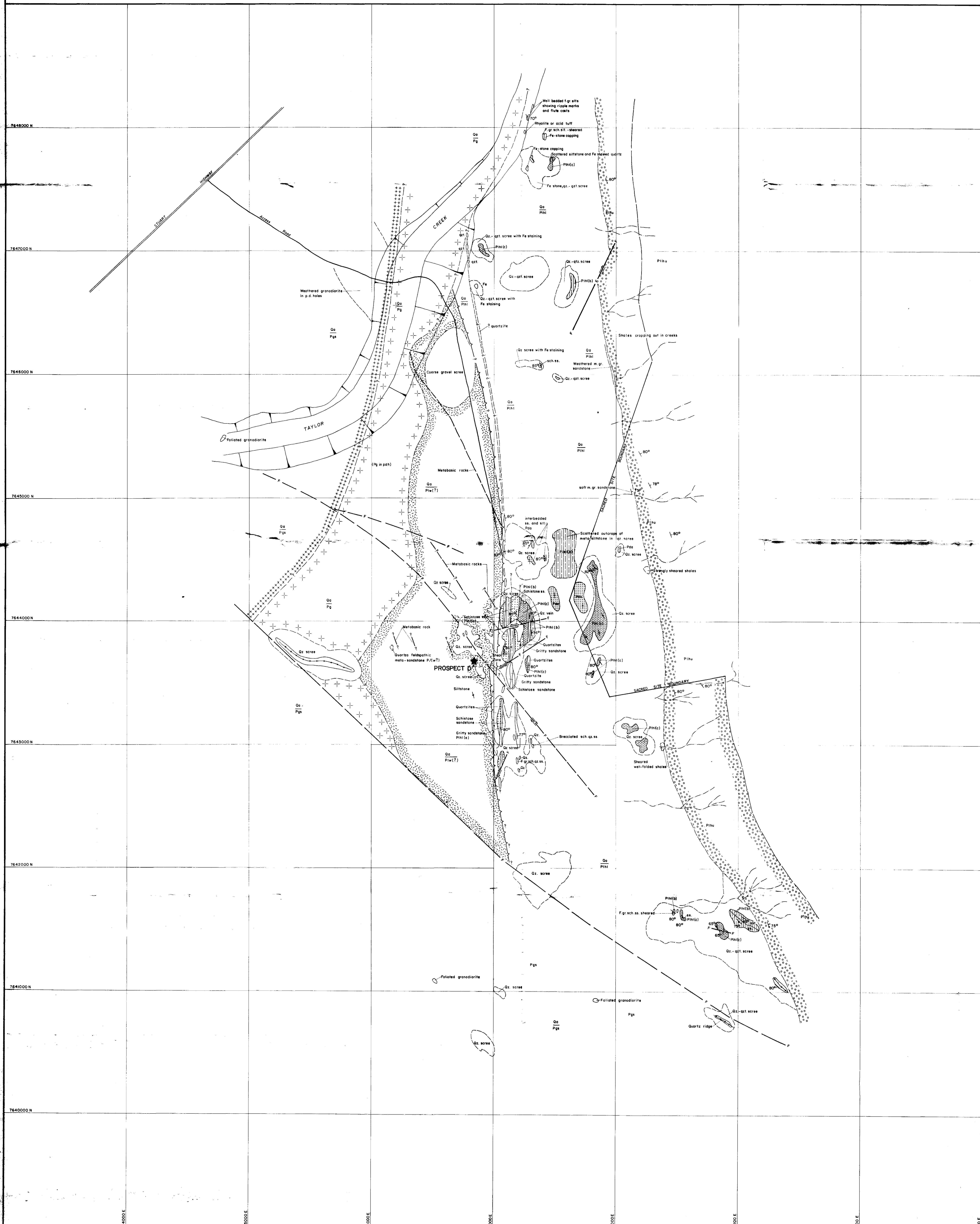
**BARROW CREEK  
EL 6306  
REGIONAL GEOLOGY**

**FIGURE NO. 2**

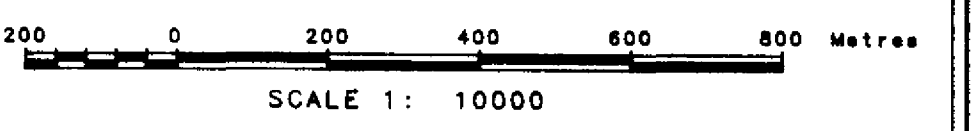


LEGEND

- |  |   |  |                                 |
|--|---|--|---------------------------------|
|  | Pink Granite  |  | Quartz vein                     |
|  | Foliated granodiorite   |  | 80° Attitude of bedding         |
|  | Melo-dolite   |  | Unconformity                    |
|  | Ortho quartzite   |  | Mineralized metabasic           |
|  | Gritty schistose qz. ss.                                      |  | Inferred geological boundary    |
|  | Schistose ss.   |  | Fault                           |
|  | Interbedded schistose ss. and silt.                           |  | Sacred site boundary (surveyed) |
|  | Metabasic rock, feldspathic ss., siltstone and quartz schist. |  | Sacred site boundary (inferred) |



7638000 N 402000 E 404000 E 406000 E 408000 E 410000 E

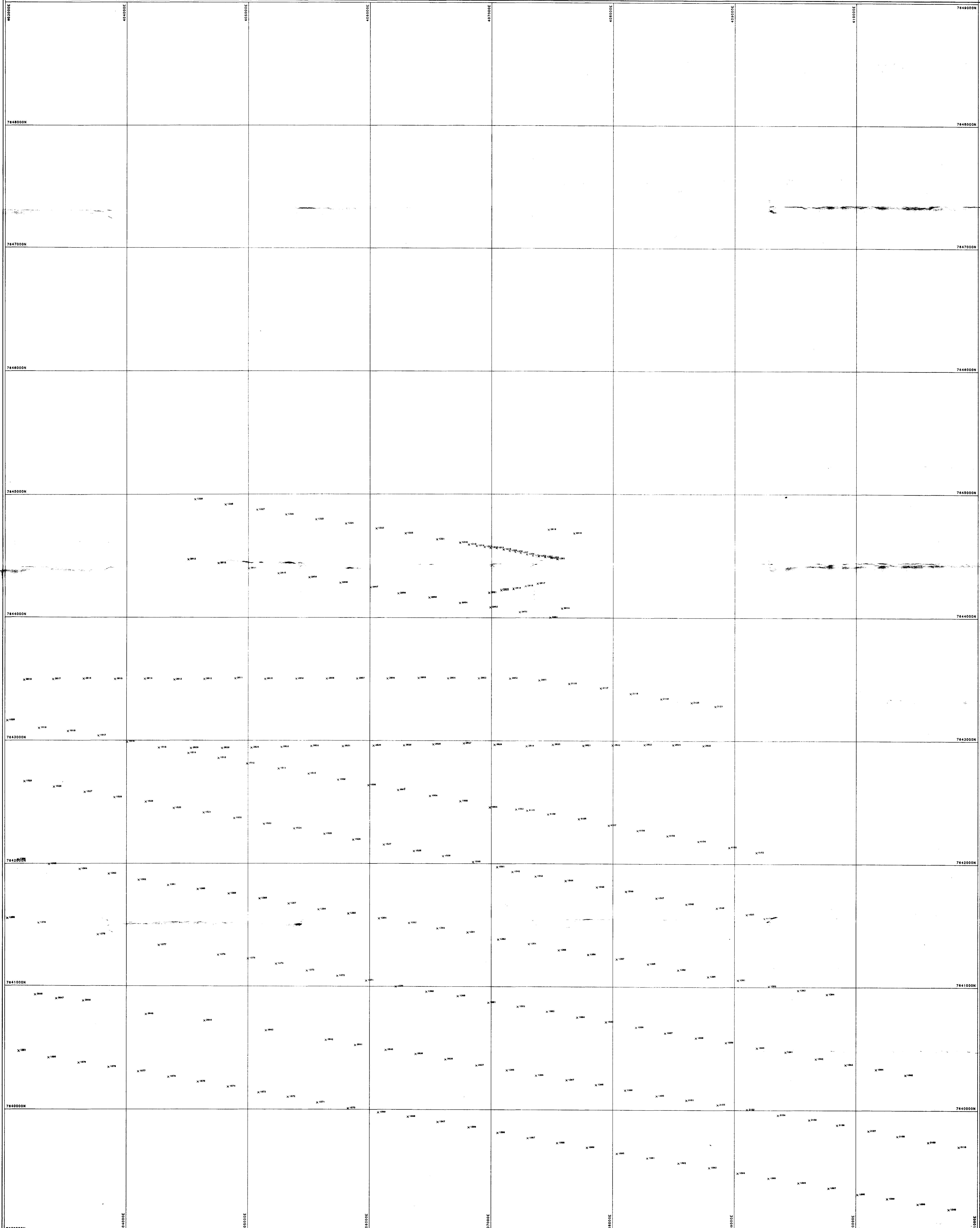


SCALE 1: 10000



DATE	8 JAN 93	DRAWN		DESIGNED	
DWG No		DATAMINE		CHECKED	
				APPROVED	

PLATE NO. 2



08/01/93

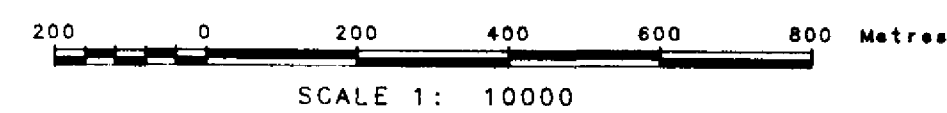
CR 93/085

POSEIDON GOLD LIMITED

BARROW CREEK JOINT VENTURE

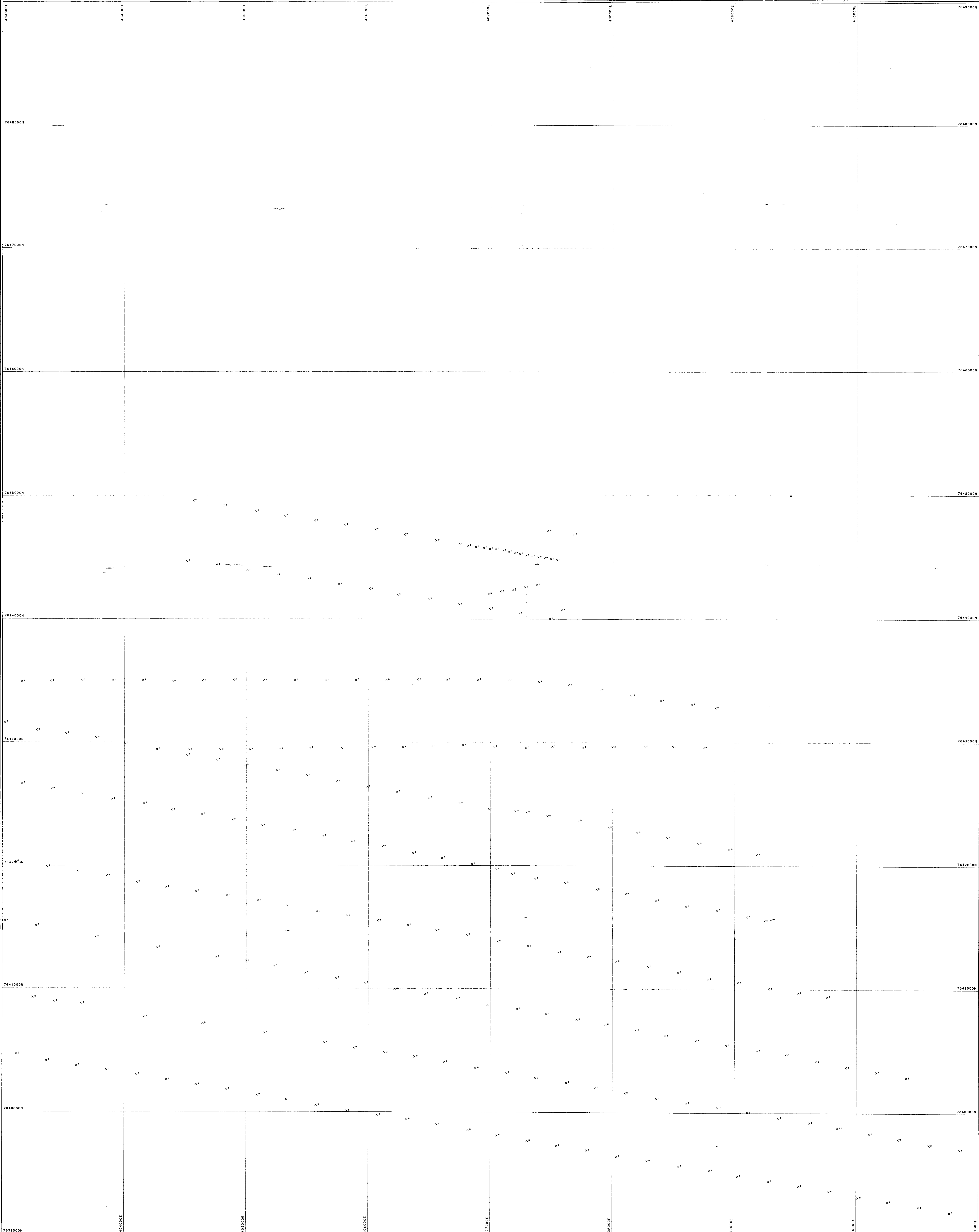
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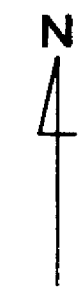
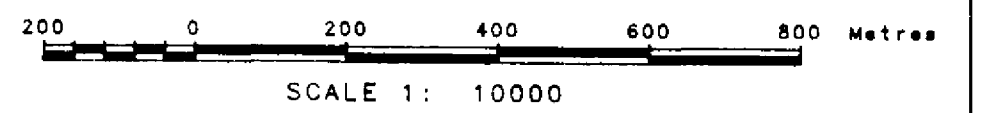
EL 6306



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			APPROVED

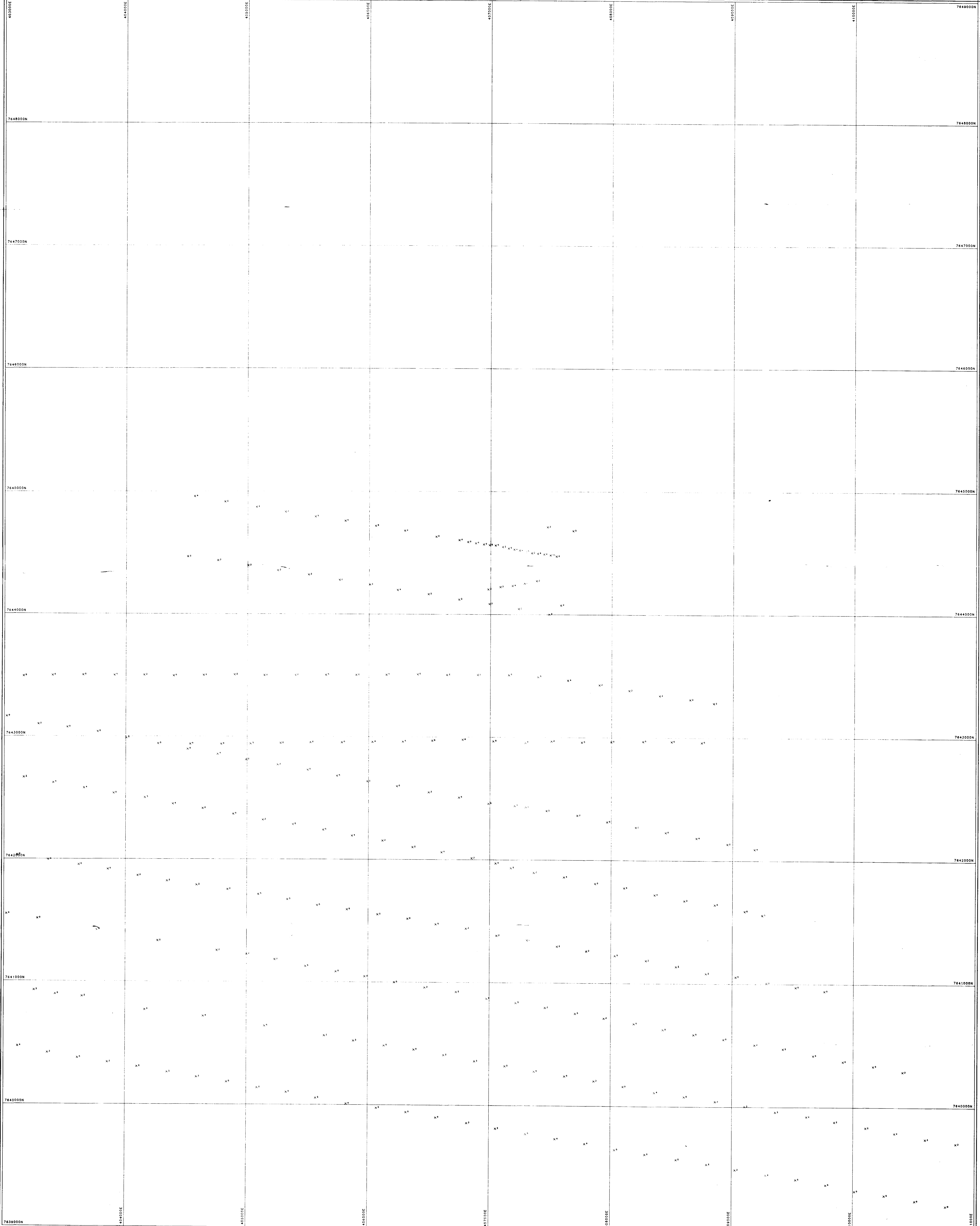
PLATE NO. 3





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				APPROVED	

PLATE NO. 4



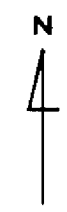
CR93/088

POSEIDON GOLD LIMITED

BARROW CREEK JOINT VENTURE

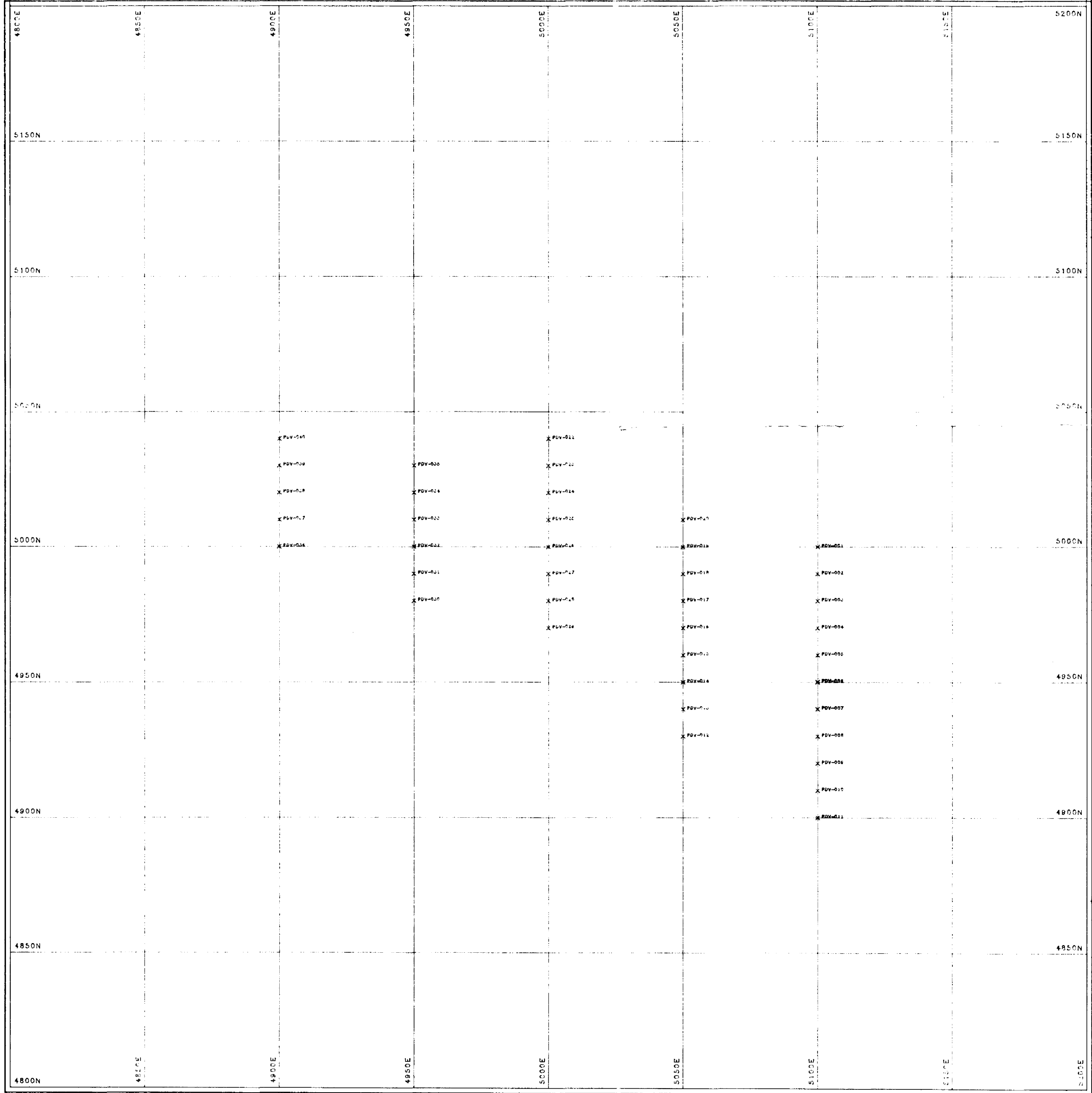
VACUUM DRILL HOLE LOCATION PLAN

PROSPECT D



SCALE 1:1000	DRAWN DATAMINE	DATE 6 JAN 93	CHECKED
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PLATE NO. 5



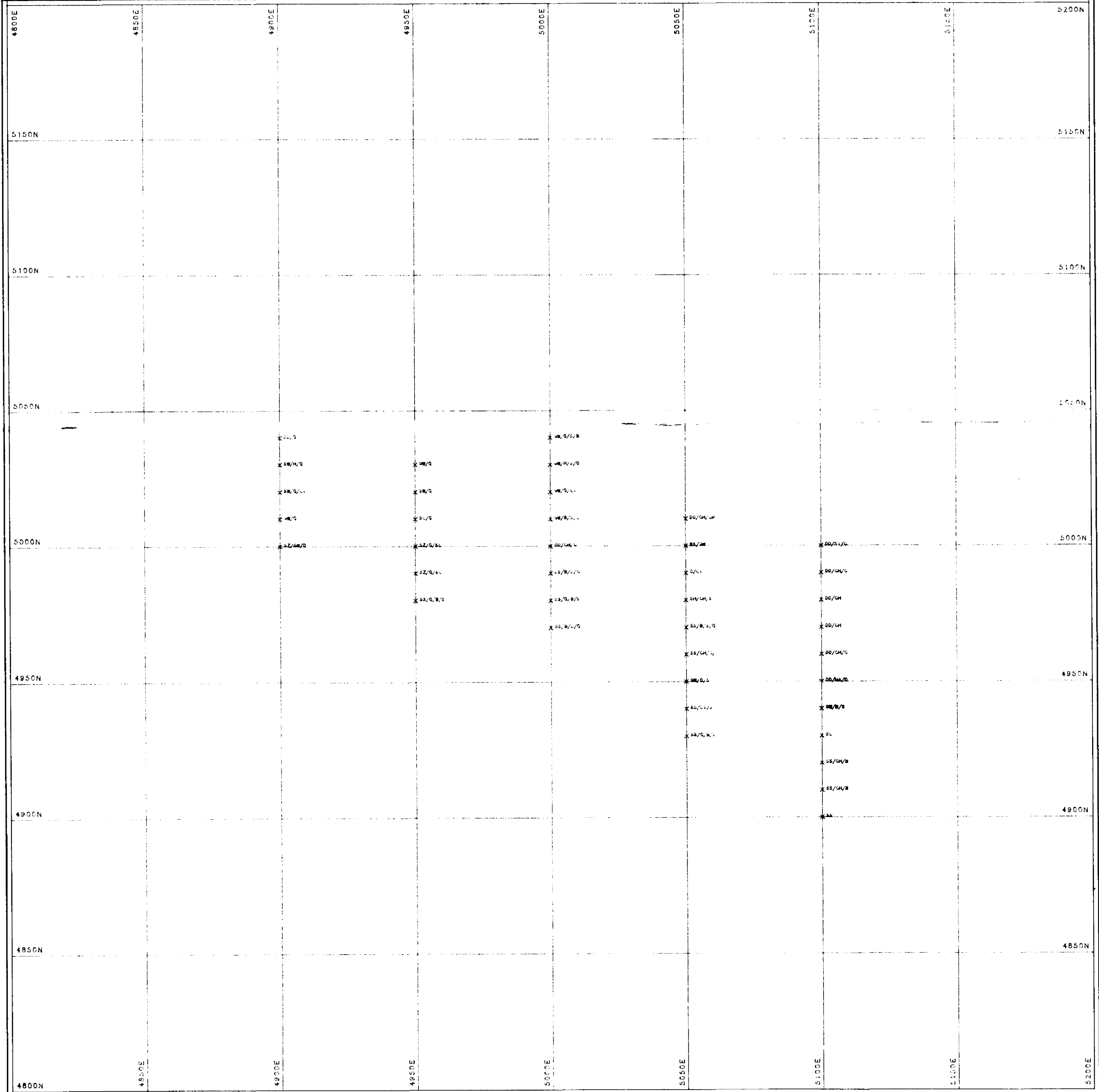
CR93/088

POSEIDON GOLD LIMITED  
BARROW CREEK JOINT VENTURE  
VACUUM BEDROCK GEOLOGY  
PROSPECT D



SCALE 1:1000	DRAWN DATAMINE	DATE 6 JAN 93	CHECKED
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PLATE NO. 6



CR93/088

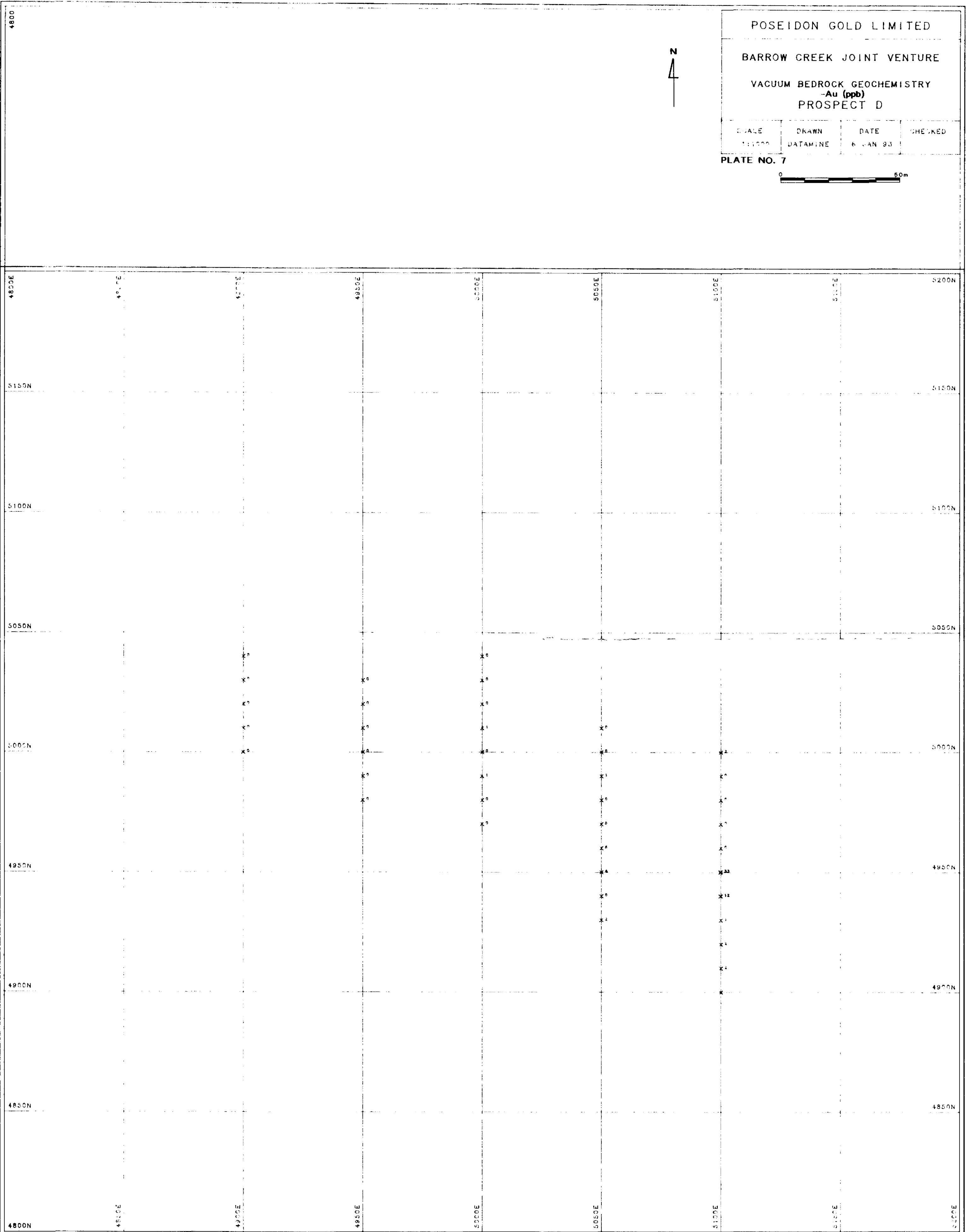
POSEIDON GOLD LIMITED

BARROW CREEK JOINT VENTURE

VACUUM BEDROCK GEOCHEMISTRY  
-Au (ppb)  
PROSPECT D

SCALE	DRAWN	DATE	CHECKED
1:1000	DATAMINE	6 JAN 93	

PLATE NO. 7

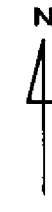


CR93/088

POSEIDON GOLD LIMITED

BARROW CREEK JOINT VENTURE

VACUUM BEDROCK GEOCHEMISTRY  
-As (ppm)  
PROSPECT D



SCALE	DRAWN	DATE	CHECKED
1:1000	LATAMINE	6 JAN 93	

PLATE NO. 8

