NORMANDY EXPLORATION LIMITED

A.C.N. 006 306 690

A Member of the Normandy Poseidon Group

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FINAL REPORT

EXPLORATION LICENCE 5359 (MATHISON CREEK)

26/3/88 TO 25/3/94

WILLEROO JOINT VENTURE

VOLUME 1 of 1

FERGUSSON RIVER 1:250 000 SHEET SD52-12
BOWMAN 1:100,000 SHEET 5628

Author: A.T. Price

Date: 7 June, 1994

Commodities: Lead, Zinc, Silver, Barite

Authorised by: Andy Price

Distribution: NT Department of Mines and Energy (1)
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Report No. 13177

CR94/376.

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REPORT NO.: 13177

TITLE: FINAL REPORT - EXPLORATION LICENCE 5359 (MATHISON CREEK) 26/3/88 TO 25/3/94 WILLEROO JOINT VENTURE

AUTHOR: A.T. Price

DATE: 8 June, 1994

LOCATION MAP

ABSTRACT

This report details all exploration carried out by Stockdale Prospecting Limited and Normandy Exploration Limited (previously Poseidon Exploration Limited) for Exploration Licence 5359 which formed part of the Willeroo Joint Venture. The licence expired on 25 March 1994.

The area was explored for diamonds and base metal mineralisation.

Work undertaken during the six year life of the licence included diamond and geochemical stream sampling, soil and rock chip sampling, mapping, airborne magnetics and radiometrics, gradient array IP and limited RC drilling.

No economic mineralisation was discovered and the licence was allowed to expire.

1. INTRODUCTION

The Willeroo Joint Venture was formed in 1990 between Poseidon Exploration Limited (now Normandy Exploration Limited) and Stockdale Prospecting Limited.

The aim of the Joint Venture was for Normandy to assess the prospectivity and undertake exploration for base metal mineralisation in the licence area.

Anomalous stream sediment samples, collected by Stockdale during routine diamond exploration, were followed up by Normandy with detailed stream sampling, followed by grid soil and rock chip sampling, mapping, gradient array IP and limited RC drilling. Airborne magnetics and radiometrics were also collected.

2. TENEMENT

Exploration Licence 5359 (Mathison Creek) was granted to Stockdale Prospecting Limited on 25 March, 1988 for a period of six years and formed part of the Willeroo Joint Venture.

Following an unsuccessful diamond search by Stockdale, the tenement was transferred to Normandy on June 28, 1991.

The licence expired on 26 March, 1994.

3. LOCATION AND ACCESS

EL 5359 is located on the Fergusson River (SD 52-12) 1:250 000 mapsheet, 85km southwest of Katherine (Figure 1). Vehicle access is gained via the Victoria Highway and then via station tracks of Scott Creek Station.

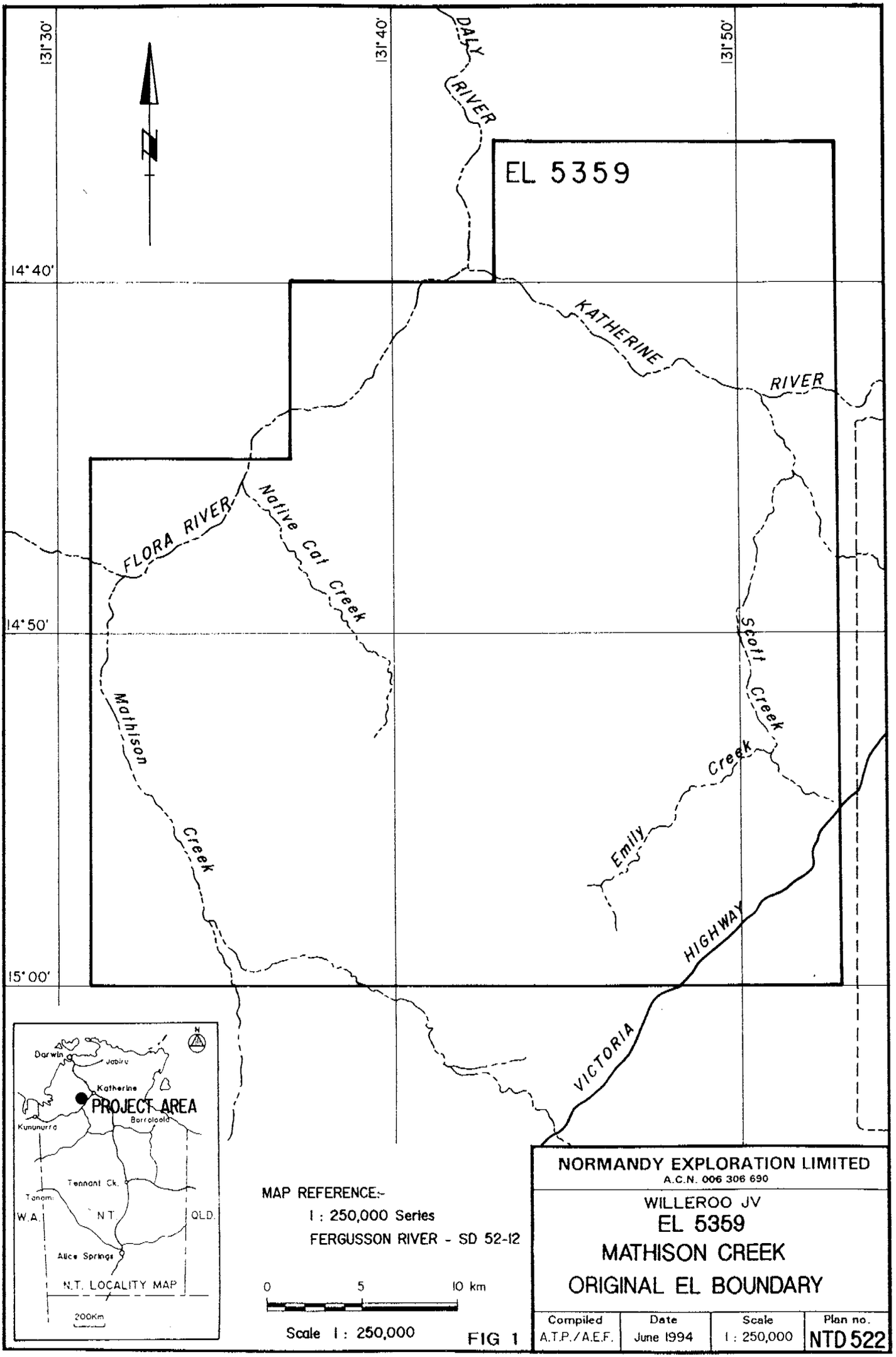
Access is restricted to the dry season, generally April to November.

4. PHYSIOGRAPHY

EL 5359 falls within the Daly River Basin physiographic unit. This is described as a wooded, gently undulating plain across which the Katherine and Flora Rivers flow.

The erosion of flat lying Cretaceous sediments has resulted in remnant mesas and dissected tablelands with an average relief, within the licence area, of 60 metres.

Alluvial and eluvial silts and sands exist as a thin cover over much of the licence area. Cracking black clays occur over parts of the Antrim Plateau Volcanics and Tindall Limestone.


131°30'
131°40'
131°50'
14°40'
14°50'
15°00'
N
DALY RIVER
EL 5359
KATHERINE RIVER
FLORA RIVER
Native Cat Creek
Mathison Creek
Scott Creek
Emily Creek
VICTORIA HIGHWAY
Darwin
Jabiru
Katherine
PROJECT AREA
Kununurra
Borroloola
Tennant Ck.
Tanami
W.A.
N.T.
QLD.
Alice Springs
N.T. LOCALITY MAP
200Km
MAP REFERENCE:-
1 : 250,000 Series
FERGUSSON RIVER - SD 52-12
0
5
10 km
Scale 1 : 250,000
FIG 1
NORMANDY EXPLORATION LIMITED
A.C.N. 006 306 690
WILLEROO JV
EL 5359
MATHISON CREEK
ORIGINAL EL BOUNDARY
Compiled
A.T.P./A.E.F.
Date
June 1994
Scale
1 : 250,000
Plan no.
NTD 522

5. REGIONAL GEOLOGY

Regionally the area lies along the boundary between the Victoria River Platform to the west and the Daly River Basin to the east. The Dorisvale Fault marks this boundary to the northwest and is interpreted to pass through the licence area.

The oldest rocks exposed in the region belong to the Banyan Formation of Upper Proterozoic age and are described as algal and oolitic limestone and dolomite with minor siltstone, sandstone and chert.

These are unconformably overlain by the Early Cambrian Antrim Plateau Volcanics (APV's) and consist of porphyritic to amygdaloidal tholeiitic flood basalts with minor interbeds of agglomerate and tuffaceous sandstone.

The Mid Cambrian to Ordovician Daly River Group unconformably overlies the APV's. The Group consists of three Formations. In ascending stratigraphic order they are Tindall Limestone, Jinduckin Formation and Oolloo Limestone.

The Tindall Limestone consists of calcilutite, coarsely crystalline limestone and minor sandstone and calcareous mudstone.

The Jinduckin Formation conformably overlies the Tindall Limestone and consists of flaggy, friable, ferruginous sandstone and siltstone with minor limestone and dolostone. The Manbulloo Limestone Member occurs as lenses within the Jinduckin Formation.

The Oolloo Limestone is a partly silicified limestone of Early Ordovician age conformably overlying the Jinduckin Formation.

The Cretaceous Mullaman Beds, consisting of sandstones and siltstones, unconformably overlie the Daly River Group in the licence area and have been extensively lateritised during the Cainozoic.

6. JOINT VENTURE EXPLORATION

1988-1991 *Stockdale Prospecting Ltd*

Stockdale collected regional diamond and geochemical stream samples. Barite-galena veining was observed in Antrim Plateau Volcanics west of Mathison Creek. Anomalous Pb values were detected on the east side of Mathison Creek draining Tindall Limestone and Jinduckin Formation.

For more detail refer to the relevant Stockdale reports for the 1988 to 1991 period.

1991-1993 *Normandy Exploration Ltd*

- ***1991*** - Stream and soil sampling east of Mathison Creek reproduced Pb anomalies reported by Stockdale. Infill stream and rock chip sampling outlined a 15 km^2 highly anomalous zone with Pb values up to 960 ppm in poorly defined drainages.

  Maximum rock chip values of 2.1% Pb, 8.2% Ba, 40 ppm Sb, 3900 ppm Zn, 4.2 ppm Ag were recorded adjacent to the maximum stream Pb value in a siliceous fine grained rock with ferruginous breccia zones containing coarse barite clasts.

  For more detail on the 1991 program, refer to the 1991 and 1992 Stockdale Annual Reports in Section 2 and Appendix 1 respectively.

- ***1992*** - Grid soil and rock chip sampling outlined a significant geochemical zone of lead, with lesser but supporting Zn, Ag, Ba, As, Sb and U, associated with interpreted epithermal silica replacement of Tindall Limestone. Interpretation of the airborne magnetic and radiometric data revealed NW trending features/faults coincident with the zone of anomalous geochemistry. Interpretation of the gradient array IP data did not reveal any response attributable to sulphide mineralisation.

  For more detail on the 1992 program, refer to the 1992 Annual Report by Poseidon Exploration.

  The front pages of all previous Annual Reports for EL 5359 are included in Appendix 2.

- ***1993***

  RC DRILLING

  A total of 11 holes for 393 metres were drilled (Encl. 2). All holes were drilled at -60° to grid west, except for WRC 9, vertical. WRC 1-8 were drilled to test the main geochemical anomaly coincident with a low ridge of silica ± barite rock. (Silica Ridge)

  Depth to basement (Antrim Plateau Volcanics) in the Silica Ridge locality varied between 25 and 40 metres. This was overlain by a basal red mudstone unit 15-20m thick which in turn is overlain by 15-25m of saprolitic clays (after mudstone/siltstone?) and includes thin silicified limestone units and minor interbeds of red mudstone. An unusual feature of this upper unit is a 3-7m unconsolidated sand layer intersected in holes WRC 2-5 and 7.

  A interpreted vertical? feeder zone/fault was not intersected.

WRC 9 was drilled on the flats to the east of the silica ridge and intersected weathered Antrim Plateau Volcanics at 8 metres.

WRC 10 and 11 tested anomalous Zn + Pb with associated Fe+Mn on a low ridge 1.5km to the east of the silica ridge. Both holes intersected Antrim Plateau Volcanics at less than 5 metres with only WRC 11 intersecting minor red mudstone above the volcanics.

A total of 91 composite samples were collected and analysed by Amdel Laboratories in Darwin for the following:

Cu, Pb, Zn, Ag, Fe, Mn, Ni, Co	AA1 (AAS)
Ba	XRF1 (XRF)
Au	AA9 (AAS-carbon rod)

A further 13 re-splits were collected from mineralised intercepts. The re-splits were analysed by Amdel in Darwin for Pb and Ag by AAS and Ba by XRF.

Results of interest are tabled below:

Hole	From	To	m @ % Pb	Lithology
WRC4	0	4	4m @ 1.82% Pb	sap with mod sil + chalc (ex Lst)
WRC4	4	8	4m @ 5.82% Pb	sap with minor-mod sil rock
WRC5	8	12	4m @ 1.19% Pb	sap with minor sil + Ba
Re-splits (bulked)				
WRC4	2	8	6m @ 3.63% Pb	as above
WRC5	8	9	1m @ 1.28% Pb	as above
WRC3	2	7	5m @ 1.16% Pb	clay-sap + chalc

MAPPING

Detailed mapping over Silica Ridge was undertaken (Encl. 1). Minor galena mineralisation was observed in a barite vein within 15 metres of WRC 4, but was limited in extent (<5m).

The prominent outcrops of the silica rock unit includes ferruginous zones, barite breccias, barite veins with minor galena and silicified limestone with brachiopod moulds? have little vertical and lateral extent and appear to be erosion remnants of hydrothermally silicified/altered Tindall Limestone.

DISCUSSION

A project review was undertaken following completion of the drilling. It is concluded that most of EL 5359 contains only a thin veneer (<50m) of basal Daly Basin sediments, including Tindall Limestone. The prospectivity of the licence was consequently downgraded and the tenement was allowed to expire.

7. EXPENDITURE 1993/94

Exploration expenditure for the final year totalled $52,935.33, details of which are presented below. The covenant for the period was set at $70,000.

• Office Costs	$ 8,714.47
• Travel - Accommodation - Meals	625.35
• Field Supplies/Counsumables	1,323.60
• Equipment Maintenance & Repair	36.27
• Vehicle Costs	1,152.68
• Assaying	2,094.30
• Tenement Costs	9,650.00
• Drafting	160.49
• Contractors/Casuals	1,184.50
• RC Drilling	13,803.87
• Site Preparation/Rehabilitation	520.00
• Salaries/Wages	13,669.80
Total:	**$52,935.33**

APPENDIX 1

RC DRILLING

COLLAR DATA, ASSAYS AND LITHCODES

COLLAR DATA

HOLE	GRID-E	GRID-N	EASTING	NORTHING	RL	DEPTH	AZ	GRID-AZ	DIP
WRC1	10901	12750	773506	8355922	117	40	259	270	-60
WRC2	11000	12750	773602	8355946	120	40	259	270	-60
WRC3	11050	12738	773653	8355946	122	23	259	270	-60
WRC4	11100	12725	773705	8355946	124	48	259	270	-60
WRC5	11150	12713	773757	8355946	126	52	259	270	-60
WRC6	11200	12663	773817	8355909	126	52	259	270	-60
WRC7	11170	12655	773790	8355894	126	40	259	270	-60
WRC8	11300	12673	773912	8355943	125	46	259	270	-60
WRC9	12000	12750	774573	8356187	114	18	0	0	-90
WRC10	12800	12435	775425	8356074	130	10	259	270	-60
WRC11	13030	12555	775620	8356246	124	10	259	270	-60

ASSAYS

HOLE	FROM	TO	SAMPNO	AU	CU	PB	ZN	AG	FE	MN	NI	CO	BA
WRC1	0	4	315501	-0.001	52	2440	770	-1	70200	3480	53	27	32400
WRC1	4	8	315502	0.006	36	1140	690	-1	31000	1070	42	11	5800
WRC1	8	12	315503	-0.001	75	480	410	-1	29000	3760	34	26	19800
WRC1	12	16	315504	-0.001	11	-4	72	-1	22200	3310	24	6	1400
WRC1	16	20	315505	-0.001	9	5	49	-1	26400	2000	29	9	600
WRC1	20	24	315506	-0.001	9	5	55	-1	30000	2320	43	21	520
WRC1	24	28	315507	-0.001	46	-4	63	-1	31400	1590	40	31	1060
WRC1	28	32	315508	-0.001	94	4	590	-1	59400	1000	33	35	230
WRC1	32	36	315509	-0.001	165	-4	570	-1	80800	700	31	41	300
WRC1	36	40	315510	0.002	52	-4	390	-1	75600	1080	30	40	350
WRC2	7	11	315511	-0.001	27	2740	660	-1	30800	5450	40	23	43600
WRC2	11	15	315512	-0.001	33	1210	610	-1	25400	2890	52	21	24600
WRC2	15	19	315513	-0.001	24	37	75	-1	9200	1840	26	14	25000
WRC2	19	23	315514	-0.001	6	-4	30	-1	20200	2590	21	6	680
WRC2	23	27	315515	-0.001	5	8	47	-1	25800	1580	24	8	2200
WRC2	27	31	315516	-0.001	9	7	51	-1	30800	1240	38	17	400
WRC2	31	35	315517	-0.001	28	4	52	-1	34400	1290	38	26	1020
WRC2	35	40	315518	-0.001	210	-4	280	-1	61800	880	31	39	430
WRC3	0	2	309988			9870		2					55000
WRC3	2	7	309989			11600		2					15100
WRC3	14	19	315519	0.001	61	1620	830	-1	28800	5220	51	44	47400
WRC3	19	23	315520	-0.001	29	8	63	-1	20600	1650	26	25	1700
WRC4	0	4	315521	0.003	98	18200	840	2	50600	3520	100	75	7100
WRC4	4	8	315522	0.003	86	58200	950	8	56800	750	62	17	1920
WRC4	8	12	315523	-0.001	51	3420	680	2	25800	2530	42	32	1520
WRC4	12	16	315524	0.004	45	8300	1070	-1	27000	6490	76	42	149000
WRC4	16	20	315525	-0.001	49	2810	730	-1	21600	5810	51	39	229000
WRC4	20	24	315526	-0.001	71	700	590	-1	31600	3850	51	30	21000
WRC4	24	28	315527	-0.001	27	900	550	-1	51600	5390	46	16	13200
WRC4	28	32	315528	0.001	14	340	200	-1	41000	2840	25	11	3500
WRC4	32	36	315529	-0.001	9	230	145	-1	39200	2510	29	7	1440
WRC4	36	40	315530	-0.001	25	165	120	-1	33600	2000	40	12	1740
WRC4	40	44	315531	-0.001	26	5	70	-1	32000	1590	49	27	280
WRC4	44	48	315532	-0.001	100	-4	300	-1	47800	1050	41	30	330
WRC5	0	4	315533	-0.001	89	660	490	-1	65200	1830	82	86	6500
WRC5	4	8	315534	-0.001	52	2110	145	-1	35600	1780	22	19	3200
WRC5	8	12	315535	-0.001	145	11900	1480	2	89200	3090	90	42	22400
WRC5	12	16	315536	-0.001	64	9700	570	1	20000	1350	38	20	6700
WRC5	16	20	315537	-0.001	20	1400	770	1	16000	1700	71	23	2150
WRC5	20	24	315538	-0.001	47	4080	2060	-1	56600	5520	110	36	27400
WRC5	24	28	315539	-0.001	105	520	470	-1	32800	6170	42	19	4250
WRC5	28	32	315540	-0.001	9	63	73	-1	24200	2750	30	6	1480
WRC5	32	36	315541	0.001	11	18	69	-1	28400	1960	39	10	1160
WRC5	36	40	315542	0.002	7	12	84	-1	31800	1890	54	21	460
WRC5	40	44	315543	-0.001	14	10	68	-1	36400	1100	47	27	900
WRC5	44	48	315544	0.001	29	8	60	-1	34600	1270	44	24	510
WRC5	48	52	315545	0.001	145	13	240	-1	55600	1090	39	32	330
WRC6	0	4	315546	0.001	63	280	240	-1	45200	490	50	17	8000
WRC6	4	8	315547	0.001	54	420	130	-1	41200	1340	26	69	1580
WRC6	8	12	315548	0.001	120	2290	1410	-1	55200	5490	56	60	920
WRC6	12	16	315549	0.001	120	6710	1840	-1	84600	300	98	58	13100
WRC6	16	20	315550	0.001	73	930	1110	-1	52600	7210	73	52	1740
WRC6	20	24	315551	0.001	59	2200	1550	-1	46200	7250	66	29	44400
WRC6	24	28	315552	-0.001	49	195	420	-1	44400	4600	41	14	6400
WRC6	28	32	315553	-0.001	14	33	175	-1	35600	3410	32	6	2450
WRC6	32	36	315554	-0.001	7	29	135	-1	32600	2170	33	7	2100
WRC6	36	40	315555	0.001	7	22	105	-1	37600	1480	49	10	420
WRC6	40	44	315556	0.001	9	17	86	-1	32000	1740	45	23	360

HOLE	FROM	TO	SAMPNO	AU	CU	PB	ZN	AG	FE	MN	NI	CO	BA
WRC6	44	48	315557	-0.001	10	14	68	-1	35200	1620	50	29	1220
WRC6	48	52	315558	-0.001	130	15	270	-1	47600	1240	47	30	680
WRC7	0	4	315559	0.003	170	4810	1430	2	62000	5970	49	61	38600
WRC7	4	8	315560	0.002	99	5180	1500	1	99800	5250	89	42	75000
WRC7	8	12	315561	0.001	55	2380	1180	1	46600	6170	74	48	7100
WRC7	12	16	315562	-0.001	34	850	670	-1	21400	1180	51	16	1140
WRC7	16	20	315563	-0.001	21	850	330	-1	12900	2090	29	12	1860
WRC7	20	24	315564	0.001	125	480	520	-1	22200	3420	52	31	15400
WRC7	24	28	315565	-0.001	72	210	520	-1	38000	3270	53	15	3350
WRC7	28	32	315566	-0.001	26	63	230	-1	36600	2290	34	10	3600
WRC7	32	36	315567	-0.001	5	13	68	-1	28600	1630	32	6	660
WRC7	36	40	315568	-0.001	7	14	55	-1	32800	1600	59	11	300
WRC8	0	4	315569	-0.001	38	1000	1080	-1	22000	2460	57	41	15100
WRC8	4	8	315570	-0.001	58	2840	1830	-1	44000	5280	93	62	69400
WRC8	8	12	315571	-0.001	88	1010	580	-1	30000	3810	45	24	48600
WRC8	12	16	315572	-0.001	78	820	440	-1	41600	4680	48	24	6200
WRC8	16	20	315573	-0.001	31	57	210	-1	30800	4010	33	8	1500
WRC8	20	24	315574	0.001	7	20	39	-1	25200	2660	28	7	410
WRC8	24	28	315575	-0.001	5	18	40	-1	31800	1740	42	10	370
WRC8	28	32	315576	-0.001	8	11	56	-1	38600	980	53	29	280
WRC8	32	36	315577	-0.001	11	12	56	-1	41200	960	49	26	340
WRC8	36	40	315578	-0.001	26	13	35	-1	33400	1760	43	11	320
WRC8	40	44	315579	0.001	96	11	570	-1	70200	680	34	43	950
WRC8	44	46	315580	0.001	48	18	490	-1	53200	710	29	28	4300
WRC9	0	4	315581	0.001	70	850	230	-1	81200	3120	40	42	1060
WRC9	4	8	315582	-0.001	66	260	195	-1	62800	1470	57	36	1860
WRC9	8	12	315583	-0.001	96	22	145	-1	59000	1270	71	49	1420
WRC9	12	16	315584	0.001	61	24	66	-1	54000	730	61	38	790
WRC9	16	18	315585	0.001	50	18	43	-1	40000	520	50	29	340
WRC10	0	4	315586	-0.001	41	24	165	-1	79400	1290	39	40	760
WRC10	4	8	315587	-0.001	37	23	135	-1	75800	1080	35	38	710
WRC10	8	10	315588	0.001	53	24	160	-1	76000	990	33	43	560
WRC11	0	4	315589	-0.001	59	820	490	-1	110000	2480	48	47	820
WRC11	4	8	315590	-0.001	45	25	220	-1	87000	1110	40	43	1300
WRC11	8	10	315591	-0.001	43	21	120	-1	86200	920	40	41	1200

RC RESPLITS

HOLE	FROM	TO	SAMPNO	PB	AG	BA
WRC4	1	2	309990	4300	2.2	5200
WRC4	2	3	309991	13200	2.0	7400
WRC4	3	4	309992	16800	2.5	5400
WRC4	4	5	309993	23200	3.4	3200
WRC4	5	6	309994	37800	5.4	2450
WRC4	6	7	309995	67600	4.8	4550
WRC4	7	8	309996	59000	5.7	1480
WRC5	8	9	309997	12800	2.6	1060
WRC5	9	10	309998	8070	4.2	8600
WRC5	10	11	309999	7490	1.9	21000
WRC5	11	12	310000	1770	1.5	2300

LITHCODES

HOLE	FROM	TO	LITHCODE
WRC1	0	1	CY/SL,fe+sil
WRC1	1	4	SP
WRC1	4	11	SP,sil/chal
WRC1	11	27	MUDST
WRC1	27	40	BAS
WRC2	0	1	CY/SL,sil+fe
WRC2	1	7	SD
WRC2	7	10	CY,SD,mBa
WRC2	10	14	CY/SP,sil,mBa
WRC2	14	19	SP,SIL/CHAL
WRC2	19	35	MUDST
WRC2	35	40	BAS
WRC3	0	1	CY/SL,sil+fe
WRC3	1	7	CY/SP,chal
WRC3	7	14	SD
WRC3	14	16	CY/SP,mBa
WRC3	16	18	CY/SP,lim
WRC3	18	19	CY/SP,CHALC
WRC3	19	23	MUDST
WRC4	0	1	CY,fe+sil
WRC4	1	12	CY/SP,chal
WRC4	12	15	CY,sd
WRC4	15	18	CY/SP,mBa
WRC4	18	26	SP
WRC4	26	46	MUDST
WRC4	46	48	BAS
WRC5	0	3	CY/SP,sil
WRC5	3	5	CY/SP
WRC5	5	6	CY/SP,mudst
WRC5	6	9	CY/SP,SIL/CHAL
WRC5	9	11	CY/SP,sil,mBa
WRC5	11	13	CY/SP
WRC5	13	19	SD
WRC5	19	22	CY,sd
WRC5	22	26	CY/SP
WRC5	26	50	MUDST
WRC5	50	52	BAS
WRC6	0	2	CY/SP,fe
WRC6	2	7	SP/mudst
WRC6	7	8	SP,CHAL(LST?)
WRC6	8	11	SP,sil
WRC6	11	13	SP,fe+sil
WRC6	13	21	SP
WRC6	21	24	SP,chal
WRC6	24	49	MUDST
WRC6	49	52	BAS
WRC7	0	1	CHAL/SIL
WRC7	1	3	SP,QTE/SIL
WRC7	3	7	SP,Fe,Ba
WRC7	7	10	SP
WRC7	10	11	SP,mudst
WRC7	11	15	SP
WRC7	15	20	SD
WRC7	20	25	SP,chal
WRC7	25	30	SP/MUDST
WRC7	30	40	MUDST
WRC8	0	5	SP
WRC8	5	7	SP,CHAL
WRC8	7	8	SP,Ba
WRC8	8	9	SP,fe+sil
WRC8	9	11	SP,mudst
WRC8	11	14	SP,chal/sil
WRC8	14	20	SP/mudst
WRC8	20	37	MUDST
WRC8	37	38	MUDST,sil,tr Py
WRC8	38	40	MUDST
WRC8	40	46	BAS
WRC9	0	5	SD,CY
WRC9	5	7	CY,silcr?
WRC9	7	9	SP/BAS
WRC9	9	14	SP,BAS
WRC9	14	18	BAS
WRC10	0	1	SL,CY,bas,sst
WRC10	1	10	BAS
WRC11	0	3	SP/mudst
WRC11	3	6	SP/bas
WRC11	6	10	BAS

LITHCODES

CY	-	clay
SL	-	soil
SD	-	sand
SP	-	saprolitic clay

fe	-	iron rich/ironstone
sil	-	siliceous/silica
chalc	-	chalcedony
m	-	minor
tr	-	trace
Ba	-	barite
lim	-	limonite/limonitic
Py	-	pyrite
silcr	-	silcrete

MUDST	-	mudstone
BAS	-	Antrim Plateau Volcanics, tholeiitic basalt
LST	-	limestone
QTE	-	quartzite/silica rock
SST	-	sandstone

APPENDIX 2

FRONT PAGES OF ALL PREVIOUS ANNUAL REPORTS ON EL 5359

STOCKDALE PROSPECTING LIMITED

KATHERINE AREA (G3/G4)

EXPLORATION LICENCES 5359, 5360, 5361, 5805, 5806

ANNUAL REPORT

FOR THE PERIOD ENDING 24 MARCH 1989

P.D. WILSON

MARCH 1989

STOCKDALE PROSPECTING LIMITED

KATHERINE AREA

EXPLORATION LICENCES 5359, 5360, 5361, 5805, 5806

ANNUAL REPORT

FOR THE PERIOD ENDING 24 MARCH 1990

P.D. WILSON

MARCH 1990

ANNUAL REPORT

FOR PERIOD ENDING 21st AUGUST, 1991

WILLEROO PROJECT AREA

EXPLORATION LICENCES 5359 (POSEIDON EXPLORATION LTD)

6633 and 6881 (STOCKDALE PROSPECTING LTD)

ANNUAL REPORT

FOR PERIOD ENDING 19th AUGUST, 1992

WILLEROO JOINT VENTURE PROJECT AREA

EXPLORATION LICENCES 6633 and 6881 (STOCKDALE PROSPECTING LIMITED)

5359 (POSEIDON EXPLORATION LTD)

POSEIDON EXPLORATION LIMITED

A.C.N. 006 306 690

A Member of the Normandy Poseidon Group

NORMANDY POSEIDON

DARWIN OFFICE :
4/66 Coonawarra Road
WINNELLIE, Northern Territory

Telephone : (089) 84 4554
Facsimile : (089) 84 4565

PO Box 38970, Winnellie, NT 0821

REPORT ON EXPLORATION ACTIVITIES ON

EXPLORATION LICENCE 5359 (MATHISON CREEK)

26/3/92 TO 25/3/93

WILLEROO JOINT VENTURE

VOLUME 1 of 1

FERGUSSON RIVER 1:250 000 SHEET SD52-12
BOWMAN 1:100,000 SHEET 5628

Author: A.T. Price

Date: March 30, 1993

Commodities: Lead, Zinc, Silver, Barytes

Authorised by:

Distribution: NT Department of Mines and Energy (1)
Poseidon Exploration, Darwin (1)
Poseidon Exploration, Adelaide (2)
Stockdale Prospecting Ltd (1)

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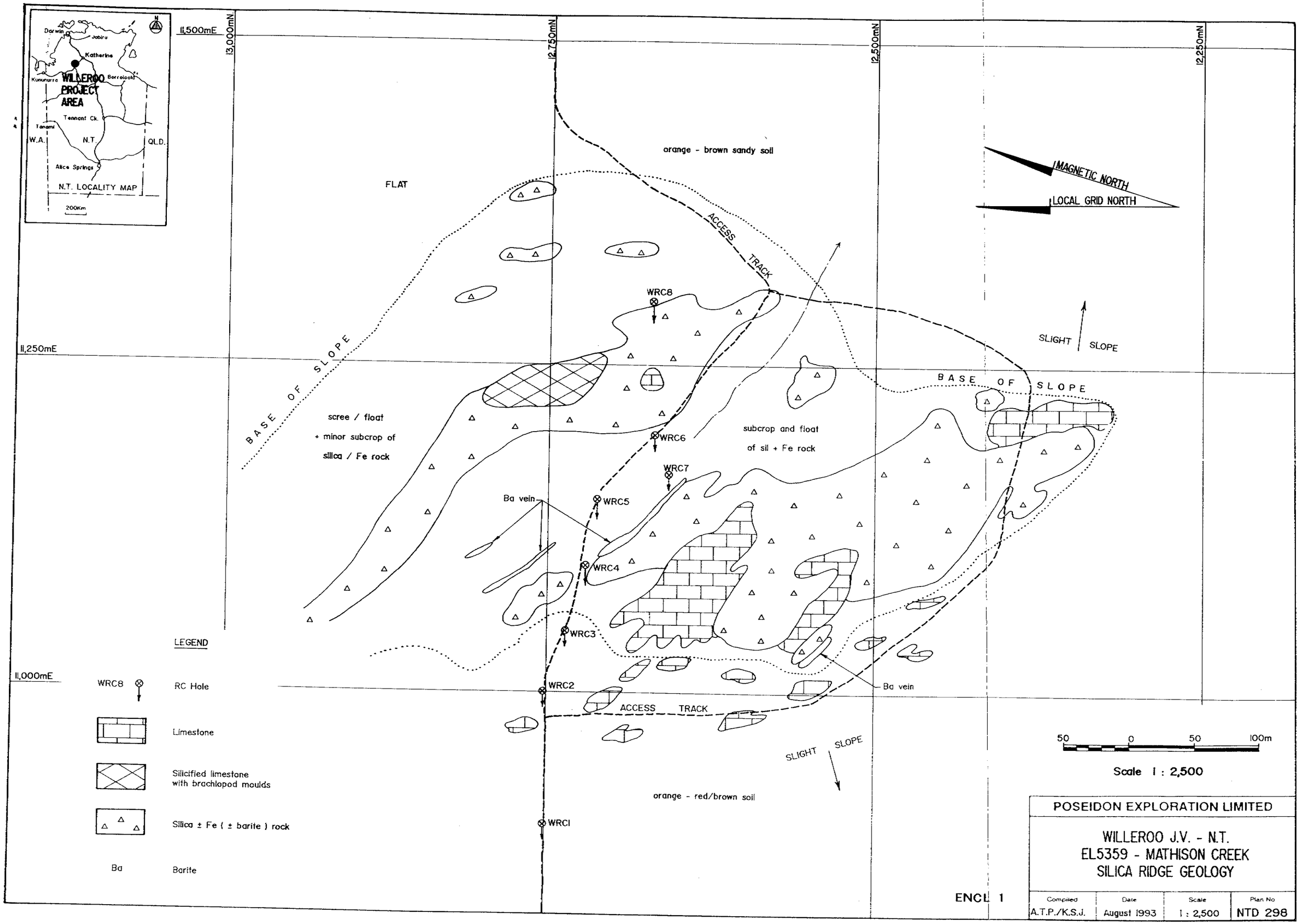
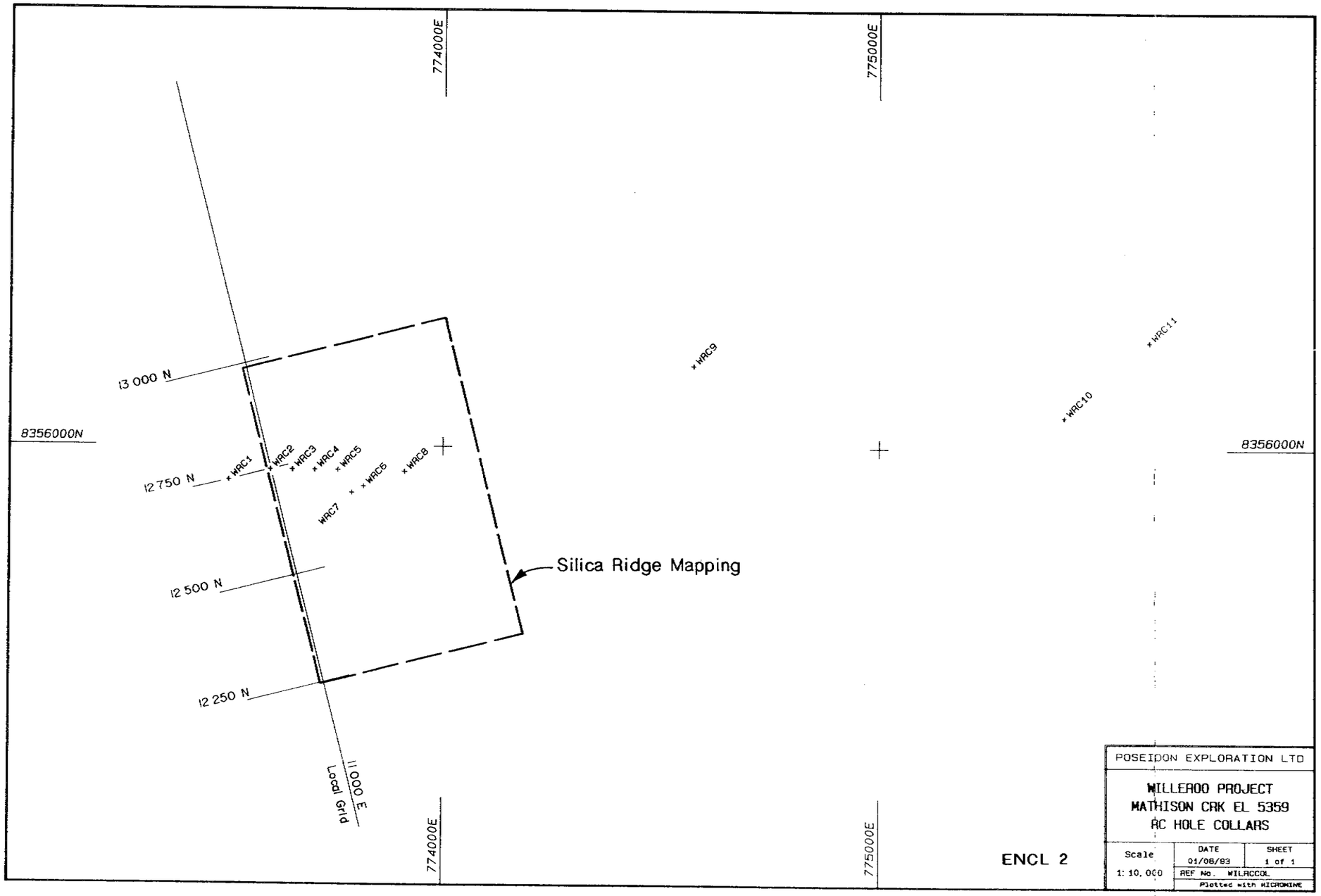
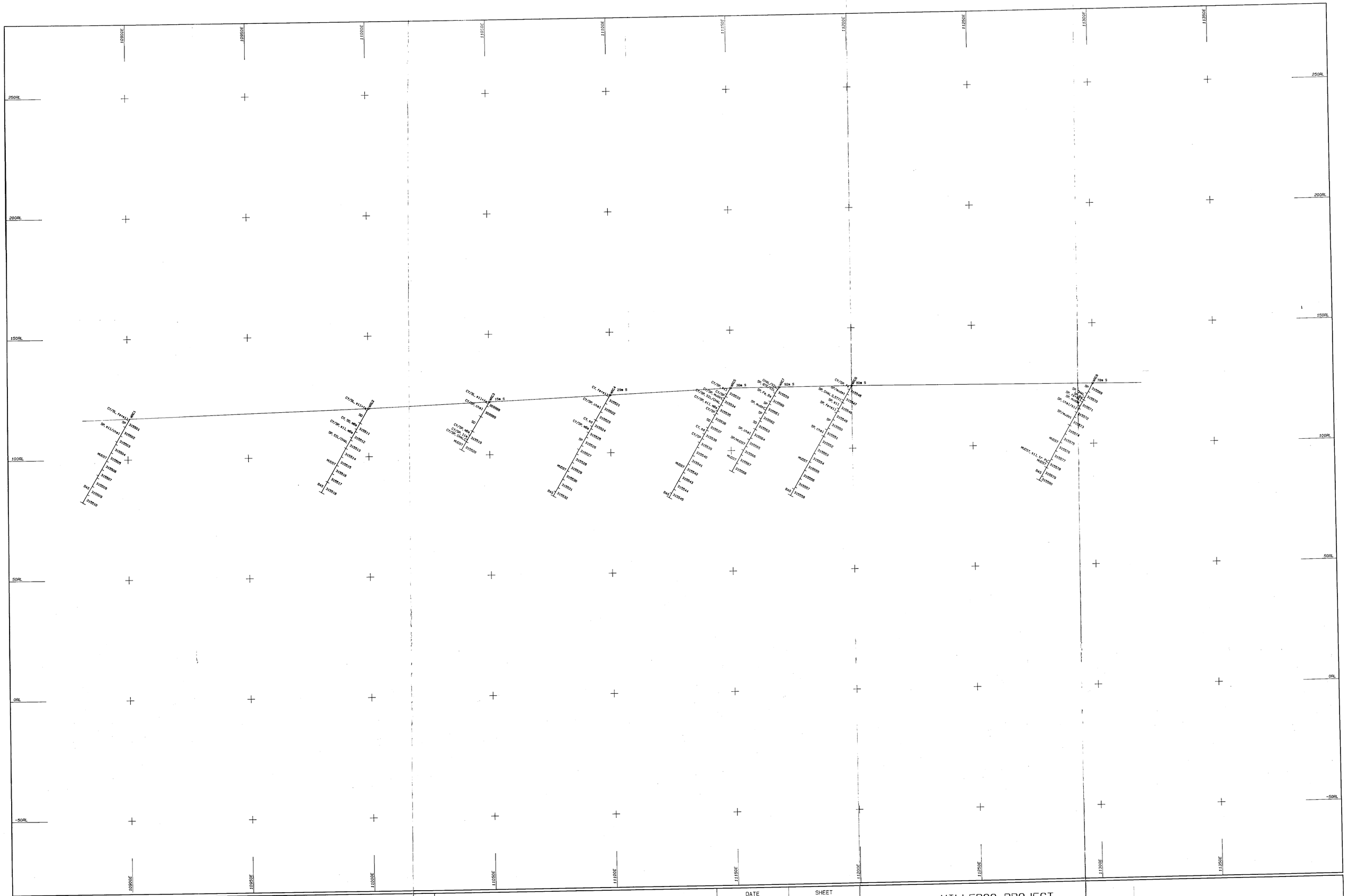
Report No. 11283


Darwin
Jabiru
Katherine
Kununurra
Borroloola
WILLEROO PROJECT AREA
Tennant Ck.
Tanami
W.A.
N.T.
QLD.
Alice Springs
N.T. LOCALITY MAP
200Km
11,500mE
13,000mN
12,750mN
12,500mN
12,250mN
11,250mE
11,000mE
FLAT
orange - brown sandy soil
ACCESS TRACK
MAGNETIC NORTH
LOCAL GRID NORTH
SLIGHT SLOPE
BASE OF SLOPE
scree / float
+ minor subcrop of
silica / Fe rock
subcrop and float
of sil + Fe rock
WRC8
WRC6
WRC7
WRC5
WRC4
WRC3
WRC2
WRC1
Ba vein
orange - red/brown soil
LEGEND
RC Hole
Limestone
Silicified limestone
with brachiopod moulds
Silica ± Fe (± barite) rock
Ba
Barite
50 0 50 100m
Scale 1 : 2,500
POSEIDON EXPLORATION LIMITED
WILLEROO J.V. - N.T.
EL5359 - MATHISON CREEK
SILICA RIDGE GEOLOGY
ENCL 1
Compiled
A.T.P./K.S.J.
Date
August 1993
Scale
1 : 2,500
Plan No
NTD 298


774000E
775000E
13 000 N
8356000N
12 750 N
12 500 N
12 250 N
WRC1
WRC2
WRC3
WRC4
WRC5
WRC6
WRC7
WRC8
WRC9
WRC10
WRC11
Silica Ridge Mapping
11 000 E
Local Grid
774000E
775000E
8356000N
ENCL 2
POSEIDON EXPLORATION LTD
WILLEROO PROJECT
MATHISON CRK EL 5359
RC HOLE COLLARS
Scale
1: 10, 000
DATE
01/08/93
SHEET
1 of 1
REF No. WILRCCOL
Plotted with MICROMINE

NTD 498



Scale	DATE	SHEET
1: 500	07/04/94	1 of 1
	REF No.	
	W-SECT	

0 25 50m

ENCL 3

WILLEROO PROJECT
MATHISON CRK EL 5359
12750N X-SECTION
SAMPNO : LITHCODE

POSEIDON EXPLORATION LTD

DARWIN N.T.

NTD 499

CR94/376