

SOUTH AUSTRALIA
DEPARTMENT OF MINES AND ENERGY

OPEN FILE ENVELOPE NO. 8691

EL 1487, BILLEROO CREEK

PROGRESS REPORTS FOR THE PERIOD
17/5/88 TO 16/2/91

Submitted by

Placer Exploration Ltd

1991

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ENVELOPE 8691

TENEMENT: EL 1487, Billeroo Creek

TENEMENT HOLDER: Placer Exploration Ltd

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SEPARATELY HELD DATA

DRILLHOLES SAMPLES (held by SADME Core Library):

For up to date information on available drillhole samples, contact the Supervisor, SADME Core Library
and quote the Exploration Licence and drillhole number/s you wish to query.



0003

PLACER EXPLORATION LIMITED

Ref: 30.6/CGA/SR

31 January, 1989

Director-General,
Department of Mines & Energy,
P.O. Box 151,
Eastwood S.A. 5063

Dear Sir,

Re: Exploration Licence 1487 - Billeroo Creek
Quarterly Report for Periods Ending
August 16th and November 16th, 1988

E.L. 1487 (Figure 1) was granted to CSR Limited on May 17th, 1988 and was subsequently included in the sale of CSR's Australian mineral interests to Placer Pacific Limited. The sale was not concluded until early August, and consequently there was little exploration activity within the license area during the initial quarter (to August 16th, 1988). During the later half of 1988 however, Placer Pacific's exploration group, Placer Exploration Limited (PEL) has undertaken a significant programme of exploration for base-metal mineralisation within the northern Olary region and this programme has included some activity within E.L. 1487.

Ground Geophysics

Reconnaissance gridding and ground magnetic surveys have been completed in the **Birthday Dam** area, on the adjoining E.L. 1352, and one line (13000E) on this grid extends onto E.L. 1487 (Figure 2). Magnetic data for this portion of Line 13000E are shown in Figure 3, and listed in Appendix A.

Rotary Drilling

During September, 1988 a reconnaissance rotary drilling programme was undertaken in the northern Olary region, to investigate possible associations between magnetic lithologies and base-metal mineralisation. Three holes (BD 32, 33 and 34) were completed within E.L. 1487, on Line 13000E of the Birthday Dam grid. Drill-hole locations are included in Figure 3, and assay results for bottom-hole samples are tabulated in Appendix B.

Petrology

Rotary chip samples of the basement lithology in drill-hole BD32 were forwarded to Ian Pontifex and Associates for petrological description. Their report is included in Appendix C, along with field descriptions of chips.

Discussion

Reconnaissance exploration work conducted by CSR Limited and PEL in the Birthday Dam area (E.L. 1352) and elsewhere in the northern Olary region has indicated a persistent mineralised horizon, stratigraphically above a magnetic quartz-albite lithology (Upper Albite Formation - Curnamona Group). The mineralised interval is interpreted as the lateral equivalent of the Bimba Formation, which in turn is correlated with the Broken Hill Group within the Willyama sequence in New South Wales.

Within E.L. 1487, linear magnetic trends indicate the likely continuation of the Upper Albite Formation, but results from the limited drilling completed to date, indicate relatively low levels of base metal mineralisation within the inferred Bimba Horizon. Petrological reports suggest (however) that the lithologies intersected in BD32, 33 and 34 are dis-similar to those of the Bimba Formation elsewhere in PEL's tenements, suggesting that the Bimba Formation has not been intersected. The failure to intersect the mineralised position may result from structural complexity (i.e. overturning), not incorporated in the magnetic interpretation, or a substantial thinning of the horizon. Detailed magnetic interpretation and additional rotary drilling are planned, to evaluate these possibilities.

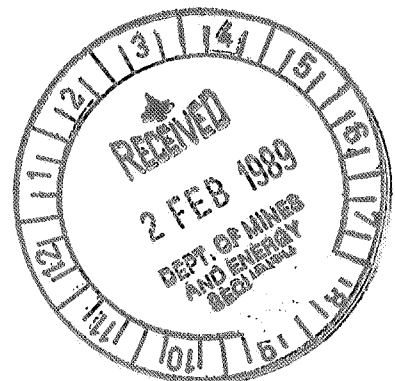
Expenditure

Expenditure for the six month period totalled \$5655, as detailed in the attached statement.

Yours faithfully,



C.G. Anderson
Consultant



PLACER EXPLORATION LIMITED

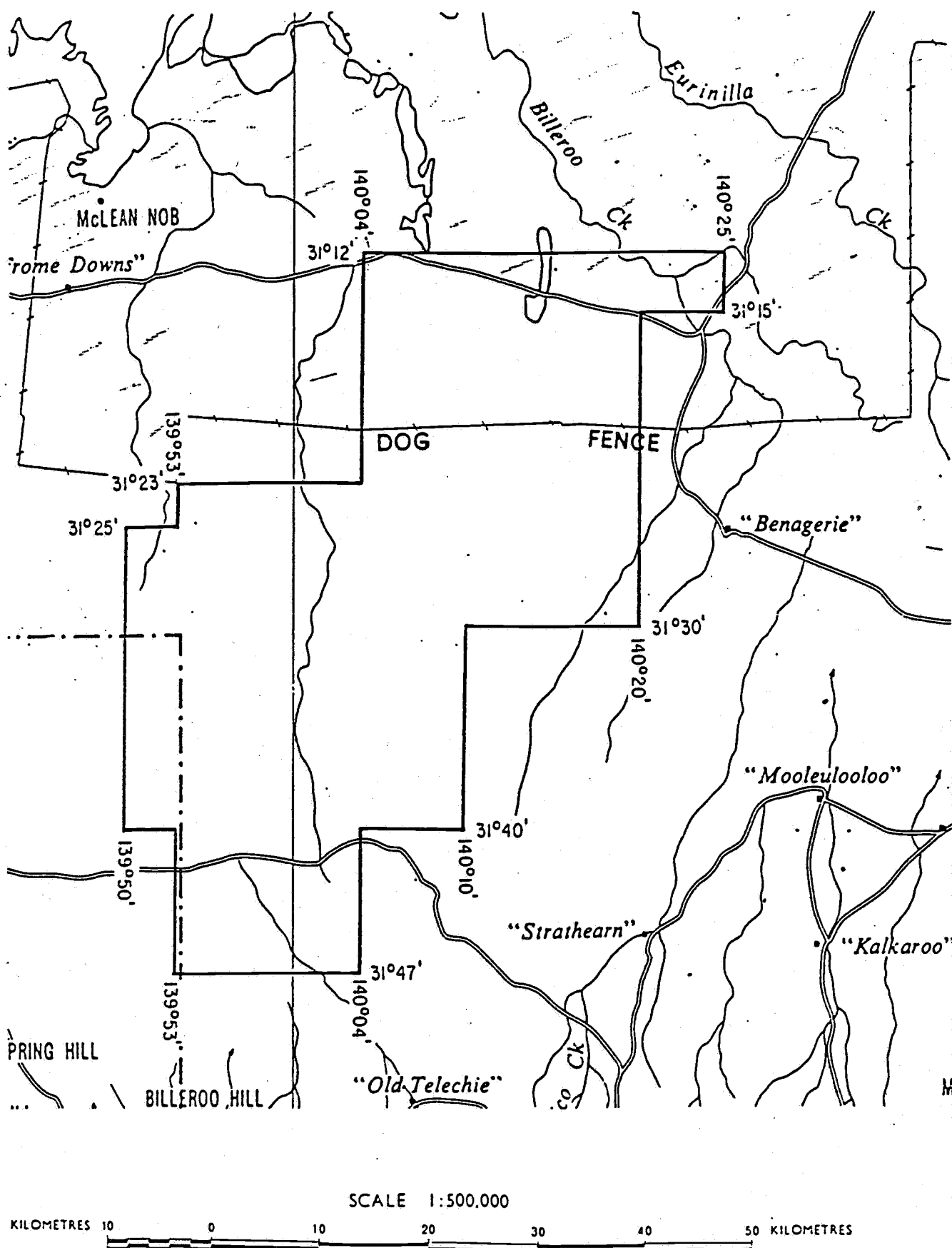
EXPLORATION LICENCE NO: 1487

TITLE: BILLEROO CREEK

EXPENDITURE STATEMENT FOR QUARTER ENDING: 16/8/88 & 16/11/88

ACTUAL PERIOD:

PERMANENT PAYROLL	158
TEMPORARY PAYROLL	63
CAMP OPERATIONS	
COMMUNICATIONS	
COMPUTER SERVICES	
CONSULTING	
DIAMOND DRILLING	3226
ENGINEERING SERVICES-VANCOUVER	
ENGINEERING SERVICES-OTHER	
GEOLOGICAL SERVICES	60
ENVIRONMENTAL ASSESSMENT	
GEOPHYSICS	
LEGAL FEES	
METALLURGICAL TESTING	
OPTION PAYMENTS	
PROPERTY EXPENSES	
ROAD BUILDING	
SAMPLING AND ASSAYING	28
SURVEYING	51
FARES, ACCOMMODATION ETC.	
HELICOPTER CHARTER	
MOTOR VEHICLE OPERATIONS	141
RESEARCH	
GEOLOGICAL CONTRACTORS	900
DEPRECIATION	
CAPITAL EXPENDITURE	
COMMUNITY ACTIVITY	
ADMINISTRATION	1028
	<hr/>
TOTAL	5655
	<hr/>

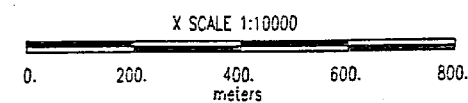
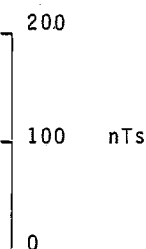
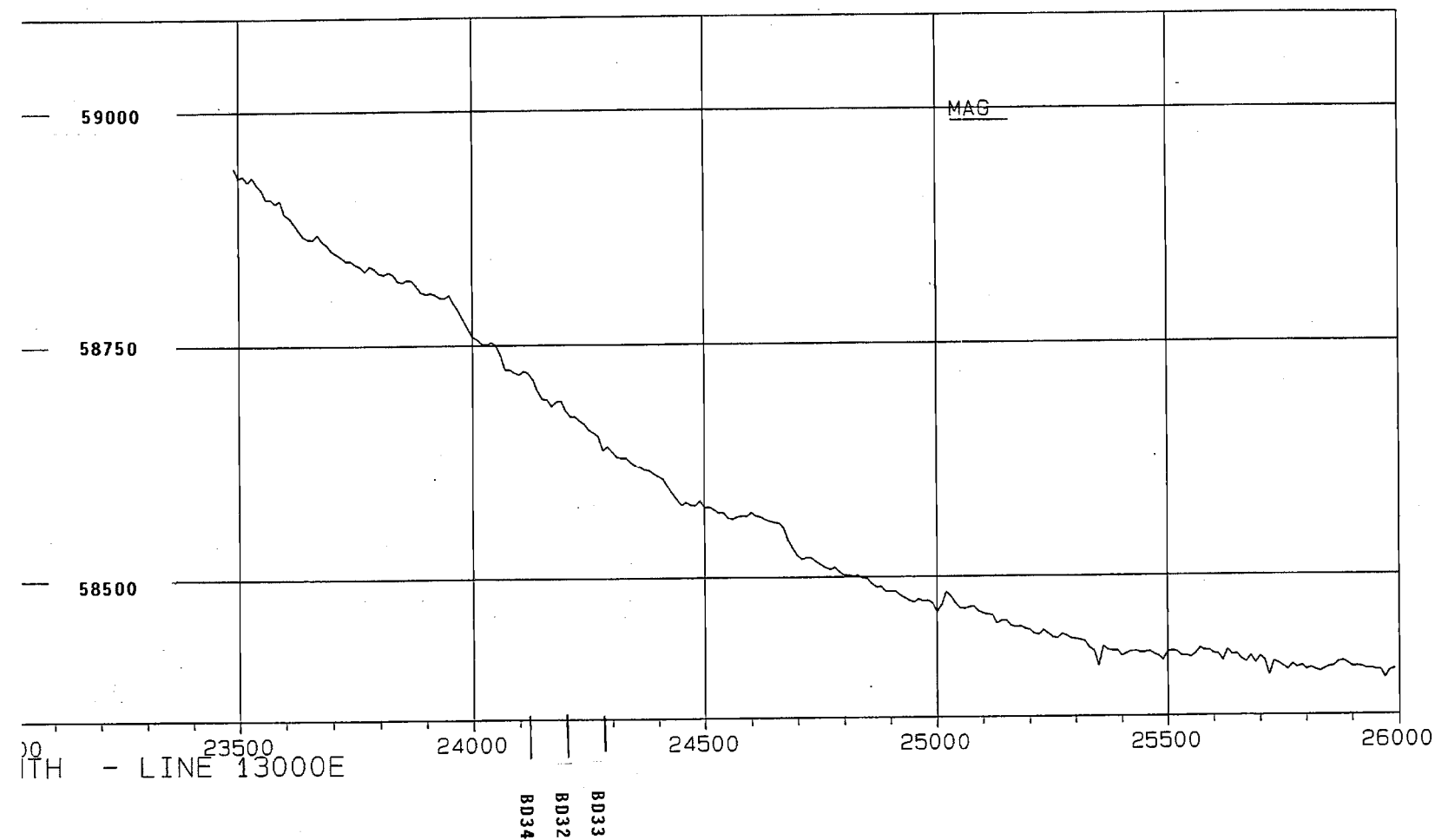


EXPLORATION LICENCE NO. 1487 - BILLEROO CREEK
LOCATION PLAN

FIGURE 1



0008



PLACER EXPLORATION LIMITED
GROUND MAGNETIC PROFILE

BILLEROO CREEK
E.L. 1487

BIRTHDAY DAM
LINE 13000 E

X SCALE 1:10000.

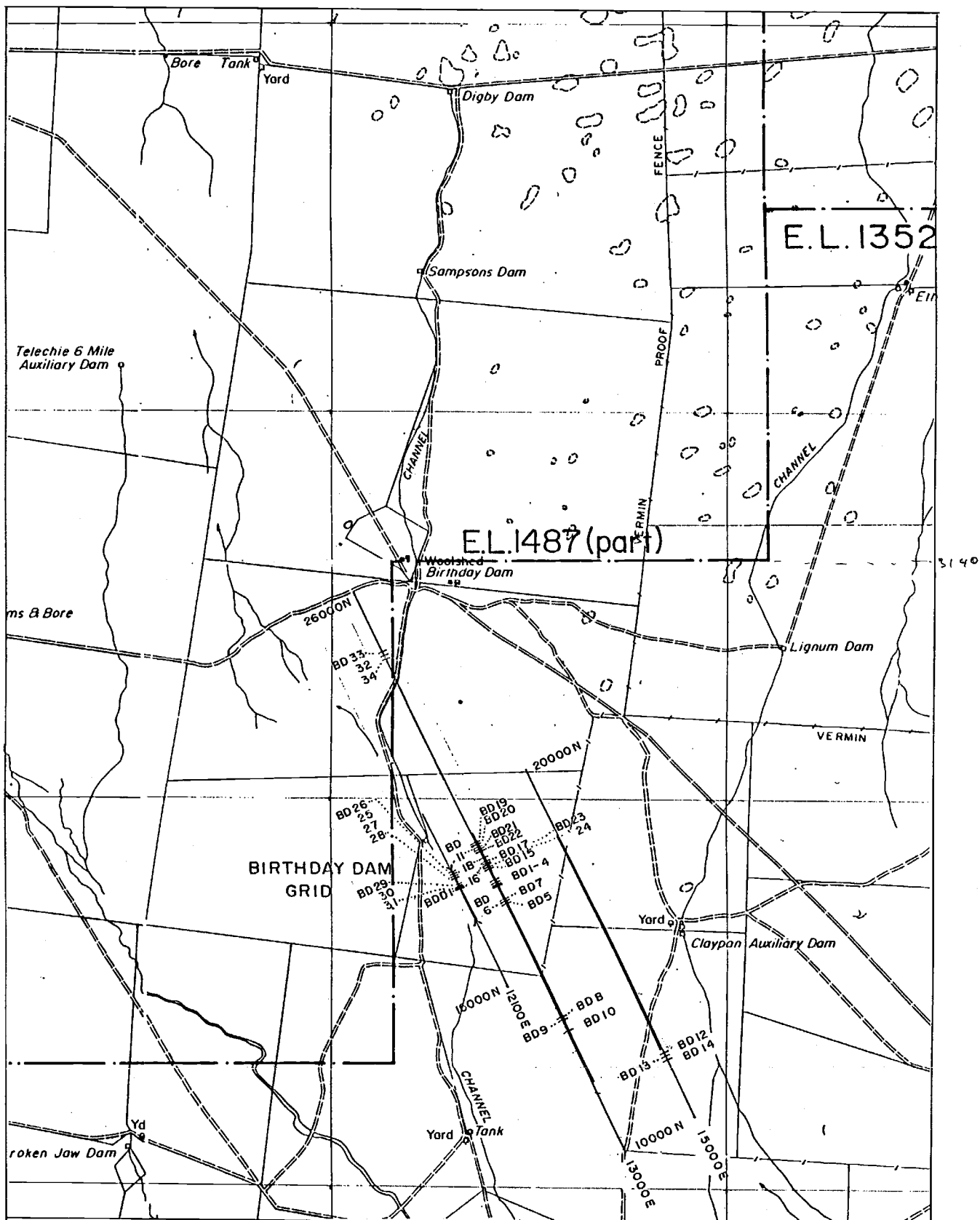
Y SCALE 1:

Z BASE LEVEL: 0.

DRAWN BY: John. Poine

DATE: 15/ 1/1989

FIGURE 3.



PLACER EXPLORATION LIMITED	
BILLEROO CREEK (E.L. 1487) BIRTHDAY DAM AREA GRID AND DRILL-HOLE LOCATION	
DATE: JANUARY 1989	FIGURE: 2
SCALE: 1:100,000	

APPENDIX A

Ground Magnetic Data Listing
Birthday Dam Grid
Line 13000E

	X	Y	MAG
	13000	23800	58826.7
	13000	23810	58825.5
	13000	23820	58828.0
	13000	23830	58825.7
	13000	23840	58818.6
	13000	23850	58817.1
	13000	23860	58820.1
	13000	23870	58818.9
	13000	23880	58813.4
	13000	23890	58806.4
	13000	23900	58804.6
	13000	23910	58805.8
	13000	23920	58803.8
	13000	23930	58800.7
	13000	23940	58799.9
	13000	23950	58803.6
	13000	23960	58794.2
	13000	23970	58786.7
	13000	23980	58777.3
	13000	23990	58767.8
	13000	24000	58758.8
	13000	24010	58756.0
	13000	24020	58751.3
	13000	24030	58750.2
	13000	24040	58753.2
	13000	24050	58749.8
	13000	24060	58739.2
	13000	24070	58723.6
	13000	24080	58723.8
	13000	24090	58720.3
13000	23500	58929.5	13000 24100 58718.0
13000	23510	58931.3	13000 24110 58722.2
13000	23520	58924.8	13000 24120 58719.4
13000	23530	58930.3	13000 24130 58712.5
13000	23540	58921.9	13000 24140 58700.3
13000	23550	58916.7	13000 24150 58692.1
13000	23560	58906.4	13000 24160 58691.3
13000	23570	58906.8	13000 24170 58684.2
13000	23580	58902.0	13000 24180 58689.4
13000	23590	58905.3	13000 24190 58690.2
13000	23600	58890.3	13000 24200 58679.6
13000	23610	58887.0	13000 24210 58673.0
13000	23620	58880.5	13000 24220 58673.1
13000	23630	58873.1	13000 24230 58668.5
13000	23640	58866.4	13000 24240 58665.0
13000	23650	58863.8	13000 24250 58658.7
13000	23660	58863.4	13000 24260 58655.4
13000	23670	58868.8	13000 24270 58651.8
13000	23680	58861.2	13000 24280 58636.8
13000	23690	58857.4	13000 24290 58640.9
13000	23700	58850.9	13000 24300 58635.1
13000	23710	58847.5	13000 24310 58629.6
13000	23720	58844.6	13000 24320 58628.1
13000	23730	58840.1	13000 24330 58628.5
13000	23740	58840.4	13000 24340 58623.4
13000	23750	58836.3	13000 24350 58620.0
13000	23760	58834.0	13000 24360 58619.0
13000	23770	58828.9	13000 24370 58615.8
13000	23780	58834.5	13000 24380 58615.0
13000	23790	58831.7	13000 24390 58611.6

X	Y	MAG	X	Y	MAG	X	Y	MAG
13000	24400	58608.5	13000	25000	58462.4	13000	25600	58415.9
13000	24410	58605.7	13000	25010	58469.6	13000	25610	58415.3
13000	24420	58597.6	13000	25020	58483.5	13000	25620	58408.4
13000	24430	58590.6	13000	25030	58478.6	13000	25630	58420.3
13000	24440	58583.5	13000	25040	58470.9	13000	25640	58414.5
13000	24450	58577.8	13000	25050	58465.8	13000	25650	58415.5
13000	24460	58580.8	13000	25060	58465.4	13000	25660	58409.5
13000	24470	58577.6	13000	25070	58467.2	13000	25670	58406.5
13000	24480	58577.2	13000	25080	58468.1	13000	25680	58413.5
13000	24490	58582.3	13000	25090	58462.8	13000	25690	58405.6
13000	24500	58575.2	13000	25100	58460.3	13000	25700	58412.8
13000	24510	58575.5	13000	25110	58458.9	13000	25710	58408.5
13000	24520	58572.7	13000	25120	58458.3	13000	25720	58392.6
13000	24530	58569.2	13000	25130	58449.6	13000	25730	58407.3
13000	24540	58569.6	13000	25140	58452.7	13000	25740	58405.0
13000	24550	58563.5	13000	25150	58452.4	13000	25750	58401.5
13000	24560	58562.4	13000	25160	58446.8	13000	25760	58398.3
13000	24570	58565.2	13000	25170	58445.5	13000	25770	58404.2
13000	24580	58566.2	13000	25180	58446.5	13000	25780	58400.4
13000	24590	58565.3	13000	25190	58443.7	13000	25790	58402.8
13000	24600	58569.7	13000	25200	58442.4	13000	25800	58398.4
13000	24610	58565.5	13000	25210	58438.1	13000	25810	58400.3
13000	24620	58564.8	13000	25220	58437.3	13000	25820	58397.8
13000	24630	58561.8	13000	25230	58442.1	13000	25830	58396.2
13000	24640	58559.8	13000	25240	58438.4	13000	25840	58399.0
13000	24650	58558.6	13000	25250	58434.4	13000	25850	58401.3
13000	24660	58557.7	13000	25260	58433.1	13000	25860	58402.2
13000	24670	58552.8	13000	25270	58438.1	13000	25870	58406.6
13000	24680	58539.0	13000	25280	58436.1	13000	25880	58407.5
13000	24690	58530.5	13000	25290	58433.0	13000	25890	58404.8
13000	24700	58522.9	13000	25300	58432.2	13000	25900	58401.1
13000	24710	58518.9	13000	25310	58431.4	13000	25910	58401.6
13000	24720	58521.0	13000	25320	58429.8	13000	25920	58400.8
13000	24730	58520.3	13000	25330	58422.9	13000	25930	58398.7
13000	24740	58516.4	13000	25340	58419.5	13000	25940	58399.0
13000	24750	58513.2	13000	25350	58403.9	13000	25950	58397.4
13000	24760	58510.0	13000	25360	58424.6	13000	25960	58397.7
13000	24770	58508.0	13000	25370	58420.4	13000	25970	58389.1
13000	24780	58510.3	13000	25380	58419.7	13000	25980	58396.9
13000	24790	58505.3	13000	25390	58420.2	13000	25990	58398.9
13000	24800	58501.7	13000	25400	58414.1	13000	26000	58389.2
13000	24810	58501.9	13000	25410	58417.0			
13000	24820	58500.5	13000	25420	58419.2			
13000	24830	58502.0	13000	25430	58419.4			
13000	24840	58498.6	13000	25440	58417.7			
13000	24850	58498.3	13000	25450	58417.9			
13000	24860	58492.6	13000	25460	58419.0			
13000	24870	58489.2	13000	25470	58415.9			
13000	24880	58489.5	13000	25480	58413.8			
13000	24890	58484.2	13000	25490	58412.3			
13000	24900	58484.7	13000	25500	58413.4			
13000	24910	58484.7	13000	25510	58419.6			
13000	24920	58480.4	13000	25520	58418.3			
13000	24930	58477.4	13000	25530	58413.8			
13000	24940	58474.5	13000	25540	58414.3			
13000	24950	58472.5	13000	25550	58412.2			
13000	24960	58475.9	13000	25560	58416.5			
13000	24970	58473.7	13000	25570	58422.3			
13000	24980	58474.5	13000	25580	58419.6			
13000	24990	58471.6	13000	25590	58419.5			

APPENDIX B

Assay Results for Bottom-Hole
Samples - BD32, 33 and 34



CLASSIC COMLABS LTD

Analytical Laboratories (INC. IN W.A.)

305 South Road, Mile End South, South Australia, 5031
Telephone: (08) 43 5722 Fax: (08) 234 0321 Telex: LABCOM AA89323



This Laboratory is registered by the National Association of Testing Authorities, Australia. The test(s) reported herein have been performed in accordance with its terms of registration. This document shall not be reproduced except in full.

0013

Mr. Genesio Circosta
Placer Exploration Limited
69 King William St.
Kent Town
SA 5067 AUSTRALIA

JOB NUMBER: 8AD3189

Your Reference: 1566

Date Received: 29-SEP-1988

Turnaround 5 days

Date Relayed: 4-OCT-1988

Date Reported: 4-OCT-1988

Number of Samples: 33

Report Analyte Codes

N.A. - Not Analysed.

L.N.R. - Listed But Not Received.

I.S. - Insufficient Sample for Analysis.

Report Comprising: Cover Sheet
Pages 1 to 2

Comments:

Report Dist'n:	Carbon Copies(CC)	Electronic Media(EM)	Magnetic Media(MM)	
Type	Recipient	Location	Date	Copies
CC	Mr. Genesio Circosta	Kent Town	4-OCT-1988	1

Approved Signature:

for

Harry Fishman

Managing Director.

CLASSIC COMLABS LTD

(Please address any enquiries to Mr. Trevor Francis)

This report relates specifically to the sample(s) tested in so far as that the sample(s) is truly representative of the sample source as supplied.

ANALYTICAL REPORT

	SAMPLE	Cu	Pb	Zn	Mn	Ag	Au
	100558	26	22	680	210	<1	
BD 32	100564	11	18	54	740	<1	0.03
BD 32	100565	8	10	52	880	<1	0.01
BD 33	100566	44	8	120	54	<1	<0.01
BD 33	100567	17	18	150	400	<1	<0.01
BD 33	100568	10	20	54	590	<1	<0.01
BD 34	100572	11	<4	26	44	<1	<0.01
BD 34	100573	8	14	70	330	<1	<0.01
	UNITS	ppm	ppm	ppm	ppm	ppm	ppm
	SCHEME	AAS1	AAS1	AAS1	AAS1	AAS2	FA1

APPENDIX C

Drill logs and Petrology Descriptions for
Drill-Holes BD32, 33 and 34

PLACER EXPLORATION LIMITED - DRILL LOG

0016

HOLE No. BD32PAGE 1 OF 2PROJECT: Billeroo Creek

DATE STARTED:

TYPE OF DRILL: Bourne 1250AREA: Birthday DamCOORDINATES: 13000E

HOLE SIZE:

LOCATION:

24200NCONTRACTOR: ThompsonsSTARTED: 28/9/88

ELEVATION:

DRILLER: Dean WattsCOMPLETED: 28/9/88DEPTH: 81 metresLOGGED BY: Genelia Girard

Metres	DESCRIPTION	SAMPLE No.	Assay Length	ASSAYS					
0-4	Cover sands - quartz grit and some calcrete.								
4-12	Red-brown clay to sand - common gritty material								
12-14	Grey to brown sandy clay - gritty zones								
24-24	Red-brown, sandy to mid grey clays								
24-28	Quartz sand to grit. Clay interbedded are grey with yellow mottle.								
28-30	Interbedded quartz - sand grit with yellow mottled clays.								
30-42	Slightly sandy yellow-mottled mid grey clays.								
42-46	Sandy to gritty clay. Pale to mid grey in colour								
46-48	Dark grey clean clays. Brown mottled								
48-50	Dark grey to black clays. Clays can be red/yellow mottled								

0017

PROJECT:.....

[illegible]

LACER EXPLORATION LIMITED - DRILL LOG

0018

HOLE No. B033

PAGE 1 OF 2

PROJECT: Billeroo Creek

DATE STARTED:

TYPE OF DRILL: Burne 1250

AREA: Birthday Dan

COORDINATES: 13000E

HOLE SIZE:

LOCATION:

COORDINATES: 24280N

CONTRACTOR: Thompson

STARTED: 28/9/68

ELEVATION:

DRILLER: Dean Watts

COMPLETED: 28/9/68

DEPTH: 69 metres

LOGGED BY: Genesio Circosta

Metres	DESCRIPTION	SAMPLE No.	Assay Length	ASSAYS					
0-2	Cover sands. Red-brown in colour and gritty								
2-12	Red-brown sands. Gritty at times. Some red-brown clay-rich units								
12-14	Sandy-gritty sequence. Rock-quartz fragments to >5mm. Some grey clay interbeds								
14-26	Sandy, red mottled pale grey clays. Rare grit.								
26-32	Ochre mottled, sandy, grey clays								
32-38	Sandy to gritty sequence of interbedded sandy clays and yellow/ochre mottled clays								
38-44	Sandy, gritty clay sequence. Grey to yellow mottled								
44-46	Clean grey clays. Some red/ochre mottled								
46-48	Darker clays - as above.								
48-51	Dark grey to black clays. Gritty. Mottled red/ochre.								

PROJECT:.....

[illegible]

LACER EXPLORATION LIMITED - DRILL LOG

HOLE No. B036

0020

PAGE 1 OF 2

PROJECT: Billerioo Creek

DATE STARTED:

TYPE OF DRILL: Bourne 1250

AREA: Birthday Dam

COORDINATES: 13000E

HOLE SIZE:

LOCATION:

COORDINATES: 24120N

CONTRACTOR: Thompson

STARTED: 28/9/88

ELEVATION:

DRILLER: Dean Watts

COMPLETED: 28/9/88

DEPTH: 86 metres

LOGGED BY: Genesio Circosta

Metres	DESCRIPTION	SAMPLE No.	Assay Length	ASSAYS					
0-2	Cover sequence of fine to coarse, gritty sands. Orange / brown.								
2-10	Red / brown clay-rich, to gritty sand sequence.								
10-12	Sands - fine to medium grained. Red / brown. Rare grit sized material.								
12-18	Sequence of sand and quartz grit containing coarse quartz pebble layers. - subrounded. Grit dominant. Not too much clay.								
18-24	Quartz sandy sequence - gritty - clay-rich.								
24-28	Quartz sand to grit - minor clay.								
28-30	Quartz grit sequence - minor sand.								
30-36	Ochre / yellow mottled clays (pale grey). Sandy.								
36-38	Very sandy clay-rich interval.								
38-44	Sandy, ochre mottled clays.								

PROJECT:.....

Metres	DESCRIPTION	SAMPLE No.	Assay Length	ASSAYS					
44 -46	Mid grey, ochre / purple mottled clays. No sand.								
48 -50	Dark grey clays - ochre mottled.								
50 -52	Bleached cream to dark grey clays.								
52 -54	White to cream silicified clay horizon								
54 -66	White, bleached, clean clays								
66 -74	As above with minor red / ochre mottle								
74 -76	Purple to white clays - some chips of weathered bedrock								
76 -78	Grey to brown clays. Weathered bedrock. Some fragments of silty bedrock	100569	2m						
78 -84	As above	100570	2m						
		100571	2m						
		100572	2m						
84 -86	Chips of - dark purple / brown, very slightly, micaceous, sandy meta-sandstone. No layering seen.	? 100573	2m						
	E.O.H.								

Pontifex & Associates Pty. Ltd.

0022

TEL. (08) 332 6744
A.H. (08) 31 3816
FAX (08) 332 5062

26 KENSINGTON ROAD, ROSE PARK
SOUTH AUSTRALIA

P.O. BOX 91, NORWOOD
SOUTH AUSTRALIA 5067

MINERALOGICAL REPORT NO. 5355(C)

November 28th, 1988

TO : Mr Genesio Circosta
Placer Exploration Ltd
69 King William St
KENT TOWN SA 5067

YOUR REFERENCE : Order No. 1568(part)
28.48/GC/SR

MATERIAL : Five percussion drill chip samples.
BD Series

IDENTIFICATION : BD19 to BD32

WORK REQUESTED : Thin section preparation,
petrographic description with comments,
as requested.

SAMPLES & SECTIONS : Returned to you with this report.



Ian R. Pontifex

PONTIFEX & ASSOCIATES PTY LTD

BD32, 80-82

Ferruginised, pelitic and dolomitic siltstone.

100565

All chips in this sample consist of an intricate mix of detrital clay-sericite, extremely fine carbonate in subequal abundance, and minor to subordinate quartz silt. Variations in abundance give rise to weak bedding laminations. Rare chips consist entirely of carbonate, (?dolomite, or possible siderite).

These components are clouded by dispersed, secondary iron oxide dust, and accessory relatively discrete silt size grains of hematite are disseminated.

The presence of rock forming carbonate in these chips makes this sample different from any other in the HD, RD or BD Series.



PLACER EXPLORATION LIMITED

Ref: 31.47/GC/SGS

7 June, 1989

Director-General,
Department of Mines & Energy,
P.O. Box 151,
Eastwood S.A. 5063

Dear Sir,

Re: Exploration Licence 1487, Billeroo Creek
Quarterly Reports for Periods Ended
February 16th, and May 16th, 1989

E.L. 1487 was granted to CSR Limited on May 17th, 1988 and was subsequently included in the sale of CSR's Australian mineral interests to Placer Pacific Limited. The sale was not concluded until early August, and consequently during the initial quarter (to August 16th, 1988). During the later half of 1988 however, Placer Pacific's exploration group, Placer Exploration Limited (PEL) has undertaken a significant programme of exploration for base-metal mineralisation within the northern Olary region and this programme included some activity within E.L. 1487.

A review of the work completed during 1988's programme is currently underway with the view of locating areas requiring more detailed assessment during 1989.

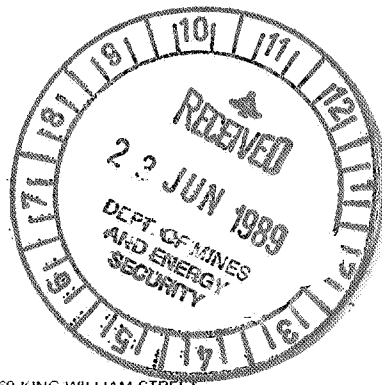
Expenditure for the period totalled \$11,083 and is detailed on the expenditure statement attached.

Yours faithfully,

Stedwin Stride

for

Genesio Circosta



PLACER EXPLORATION LIMITED**EXPLORATION LICENCE NO: 1487****TITLE: Billeroo Creek****EXPENDITURE STATEMENT FOR QUARTER ENDING: May 16th, 1989****ACTUAL PERIOD: 3 Months Ended May 31st, 1989**

PERMANENT PAYROLL	166
TEMPORARY PAYROLL	
CAMP OPERATIONS	
COMMUNICATIONS	
COMPUTER SERVICES	
CONSULTING	375
DIAMOND DRILLING	
ENGINEERING SERVICES-VANCOUVER	
ENGINEERING SERVICES-OTHER	
GEOLOGICAL SERVICES	34
ENVIRONMENTAL ASSESSMENT	
GEOPHYSICS	
LEGAL FEES	
METALLURGICAL TESTING	
OPTION PAYMENTS	
PROPERTY EXPENSES	4527
ROAD BUILDING	
SAMPLING AND ASSAYING	
SURVEYING	
FARES, ACCOMMODATION ETC.	
HELICOPTER CHARTER	
MOTOR VEHICLE OPERATIONS	59
RESEARCH	
GEOLOGICAL CONTRACTORS	400
DEPRECIATION	
CAPITAL EXPENDITURE	
COMMUNITY ACTIVITY	
ADMINISTRATION	985
	<hr/>
TOTAL	6546
	<hr/>

PLACER EXPLORATION LIMITED**EXPLORATION LICENCE NO: 1487****TITLE: Billeroo Creek****EXPENDITURE STATEMENT FOR QUARTER ENDING: February 16th, 1989****ACTUAL PERIOD: 3 Months ended February 28th, 1989**

PERMANENT PAYROLL	
TEMPORARY PAYROLL	618
CAMP OPERATIONS	
COMMUNICATIONS	
COMPUTER SERVICES	
CONSULTING	
DIAMOND DRILLING	
ENGINEERING SERVICES-VANCOUVER	
ENGINEERING SERVICES-OTHER	
GEOLOGICAL SERVICES	
ENVIRONMENTAL ASSESSMENT	
GEOPHYSICS	
LEGAL FEES	
METALLURGICAL TESTING	
OPTION PAYMENTS	
PROPERTY EXPENSES	
ROAD BUILDING	
SAMPLING AND ASSAYING	51
SURVEYING	
FARES, ACCOMMODATION ETC.	
HELICOPTER CHARTER	
MOTOR VEHICLE OPERATIONS	969
RESEARCH	
GEOLOGICAL CONTRACTORS	533
DEPRECIATION	
CAPITAL EXPENDITURE	
COMMUNITY ACTIVITY	
ADMINISTRATION	2366
	<hr/>
TOTAL	4537
	<hr/>



PLACER EXPLORATION LIMITED

Ref: 32.25/GC/SGS

11 September, 1989

Director-General,
Department of Mines & Energy,
P.O. Box 151,
Eastwood S.A. 5063

Dear Sir,

Re: E.L. 1487, Billeroo Creek
Quarterly Report for Period Ending
August 16th, 1989

Exploration Licence No. 1487 in the Billeroo Creek area on the Curnamona 1:250,000 sheet, was granted to CSR Limited on May 17th, 1988 for a period of 12 months. The licence was included in the sale of CSR's Australian mineral interests to Placer Pacific Limited, during July-August 1988, and has subsequently been managed by Placer Pacific's exploration group, Placer Exploration Limited (PEL).

Application for extension of term was made on 22nd March, 1988 and granted for a further six months and will now expire on November 11th, 1989.

Due to the unseasonably wet weather experienced in the region this year, the 1989 programme was not commenced until July-August. This programme has involved:

- 1) Extensive gridding in the Waltherco Hut area (Figure 1).
- 2) Detailed ground magnetics over this grid.

Interpretation of this ground magnetic data is currently being undertaken so that the next phase of exploration can be carried out i.e.

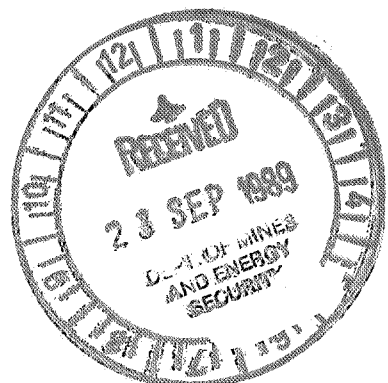
- 1) An IP survey over the more interesting anomalies to be undertaken in the next week or so.
- 2) A RAB drilling programme will commence once interpretation of geophysical data had been made. Permission to carry out this programme has been requested. The programme will involve the drilling of approximately 40 holes with an anticipated average depth of 20 metres.

Expenditure during the quarter ended 16th August totalled \$9,985 and is detailed on the attached expenditure statement.

Yours faithfully,

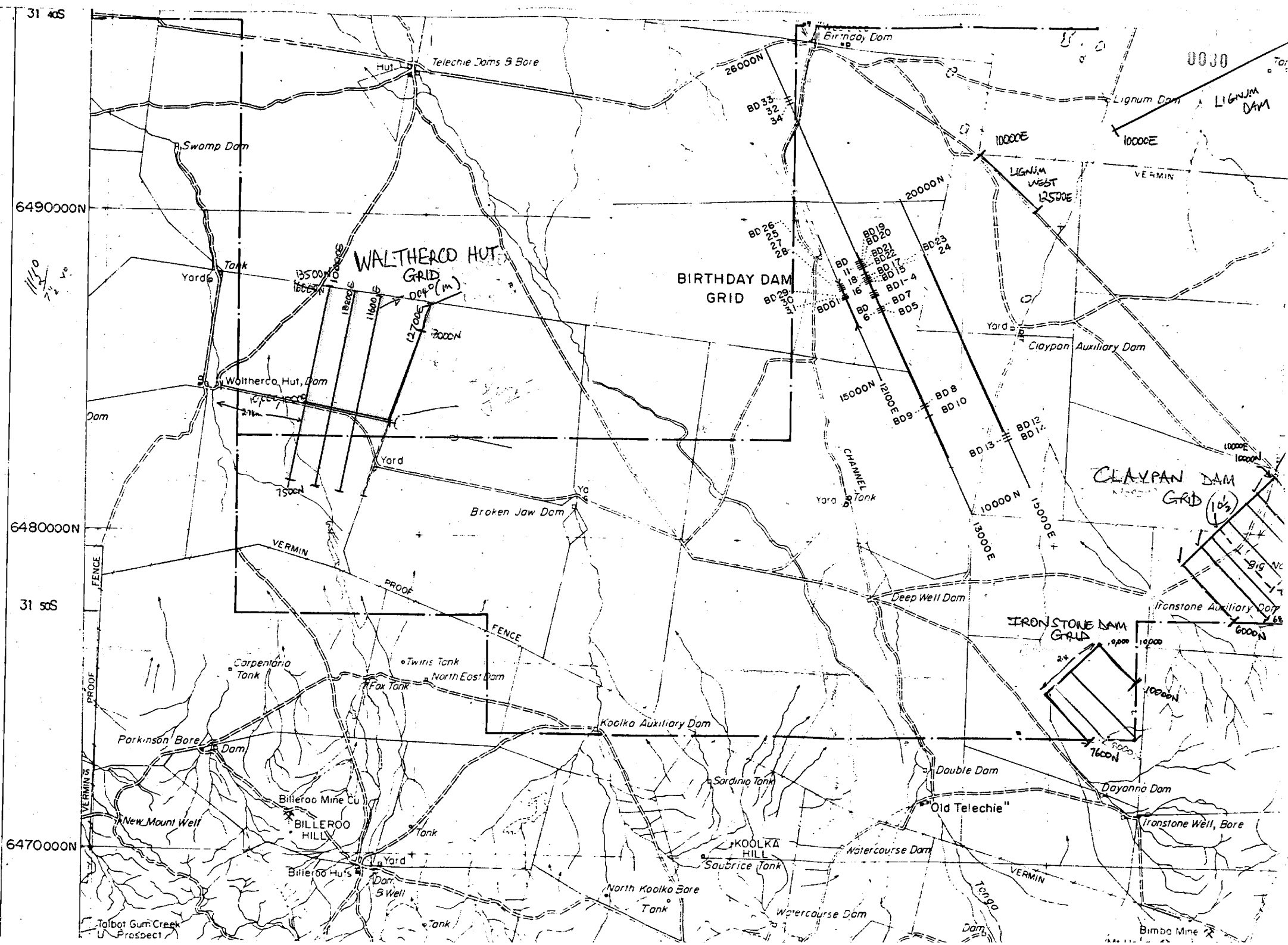


Genesio Circosta
Senior Geologist



PLACER EXPLORATION LIMITED**EXPLORATION LICENCE NO: 1487****TITLE: Billeroo Creek****EXPENDITURE STATEMENT FOR QUARTER ENDING: 16th August, 1989****ACTUAL PERIOD: 31st August, 1989**

PERMANENT PAYROLL	1278
TEMPORARY PAYROLL	
CAMP OPERATIONS	
COMMUNICATIONS	
COMPUTER SERVICES	
CONSULTING	
DIAMOND DRILLING	
ENGINEERING SERVICES-VANCOUVER	
ENGINEERING SERVICES-OTHER	
GEOLOGICAL SERVICES	14
ENVIRONMENTAL ASSESSMENT	
GEOPHYSICS	
LEGAL FEES	
METALLURGICAL TESTING	
OPTION PAYMENTS	
PROPERTY EXPENSES	
ROAD BUILDING	
SAMPLING AND ASSAYING	
SURVEYING	106
FARES, ACCOMMODATION ETC.	492
HELICOPTER CHARTER	
MOTOR VEHICLE OPERATIONS	1357
RESEARCH	
GEOLOGICAL CONTRACTORS	1855
DEPRECIATION	
CAPITAL EXPENDITURE	
COMMUNITY ACTIVITY	
ADMINISTRATION	6069
	<hr/>
TOTAL	9985
	<hr/>





PLACER EXPLORATION LIMITED

Ref: 34.15/SGS

10 April, 1990

Director-General,
Department of Mines & Energy,
P.O. Box 151,
Eastwood S.A. 5063

Dear Sir,

Re: E.L. 1487, Billeroo Creek
Quarterly Report for Periods Ending
November 16th, 1989 and February 16th, 1990

Exploration Licence No. 1487 in the Billeroo Creek area on the Curnamona 1:250,000 sheet, was granted to CSR Limited on May 17th, 1988 for a period of 12 months. The licence was included in the sale of CSR's Australian mineral interests to Placer Pacific Limited, during July-August 1988, and has subsequently been managed by Placer Pacific's exploration group, Placer Exploration Limited (PEL).

A report covering the periods ending 16 November, 1989 and 16 February, 19⁹⁰ is enclosed.

Expenditure during this period totalled \$32,361 and is detailed on the attached expenditure statements.

Yours faithfully,

Sandra Gladwin-Stride
Office Manager



PLACER EXPLORATION LIMITED

0032

EXPLORATION LICENCE NO: 1487

TITLE: Billeroo Creek

EXPENDITURE STATEMENT FOR QUARTER ENDING: 16 February, 1990

ACTUAL PERIOD: 28 February, 1990

PERMANENT PAYROLL	(475)
TEMPORARY PAYROLL	
CAMP OPERATIONS	438
COMMUNICATIONS	65
COMPUTER SERVICES	
CONSULTING	
ROTARY DRILLING	
ENGINEERING SERVICES-VANCOUVER	
ENGINEERING SERVICES-OTHER	
GEOLOGICAL SERVICES	9
ENVIRONMENTAL ASSESSMENT	
GEOPHYSICS	
LEGAL FEES	
METALLURGICAL TESTING	
OPTION PAYMENTS	
PROPERTY EXPENSES	7
ROAD BUILDING	
SAMPLING AND ASSAYING	
SURVEYING	
FARES, ACCOMMODATION ETC.	
HELICOPTER CHARTER	
MOTOR VEHICLE OPERATIONS	823
RESEARCH	
GEOLOGICAL CONTRACTORS	1,370
DEPRECIATION	
CAPITAL EXPENDITURE	
COMMUNITY ACTIVITY	
ADMINISTRATION	1,329
	<hr/>
TOTAL	3,566
	<hr/>

PLACER EXPLORATION LIMITED**EXPLORATION LICENCE NO: 1487****TITLE: Billeroo Creek****EXPENDITURE STATEMENT FOR QUARTER ENDING: 16 November, 1989****ACTUAL PERIOD: 3 Months Ending 30 November, 1989**

PERMANENT PAYROLL	906
TEMPORARY PAYROLL	1330
CAMP OPERATIONS	353
COMMUNICATIONS	153
COMPUTER SERVICES	
CONSULTING	
ROTARY DRILLING	14,606
ENGINEERING SERVICES-VANCOUVER	
ENGINEERING SERVICES-OTHER	
GEOLOGICAL SERVICES	
ENVIRONMENTAL ASSESSMENT	
GEOPHYSICS	7,503
LEGAL FEES	
METALLURGICAL TESTING	
OPTION PAYMENTS	
PROPERTY EXPENSES	
ROAD BUILDING	
SAMPLING AND ASSAYING	630
SURVEYING	
FARES, ACCOMMODATION ETC.	645
HELICOPTER CHARTER	
MOTOR VEHICLE OPERATIONS	475
RESEARCH	
GEOLOGICAL CONTRACTORS	289
DEPRECIATION	
CAPITAL EXPENDITURE	
COMMUNITY ACTIVITY	
ADMINISTRATION	1905
	<hr/>
TOTAL	28,795
	<hr/>

Ref: 33.58/GC/SGS

**E.L. NO. 1487, BILLEROO CREEK
EXPLORATION REPORT
FOR PERIOD ENDING 16/2/90**

Distribution

Department of Mines	1
PEL Adelaide Office	1
PEL Sydney Office	1
PEL Brisbane Office	1

Placer Exploration Limited
Genesio Circosta
Senior Geologist
January, 1990
Report No. SA4/90

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APPENDIX 4	ASSAY RESULTS - WALTHERCO HUT DRILLING

KEYWORDS

EL 1487

BILLEROO CREEK

OLARY BLOCK

WILLYAMA COMPLEX

ROTARY DRILLING

MAGNETIC ANOMALY

GROUND MAGNETICS

IP SURVEY

IP ANOMALY

GEOCHEMISTRY

WALTHERCO HUT

SUMMARY

Placer Exploration Limited has continued the exploration work of CSR Limited whose mineral rights were purchased in July of 1988. Exploration within EL 1487, Billeroo Creek has been carried out in the Waltherco Hut area. This work has involved the exploration of an unusual and quite interesting magnetic anomaly.

Exploration was aimed at searching for:

- Stratiform/stratabound Ag-Pb-Zn mineralisation of Broken Hill or McArthur River type within concealed Willyama Supergroup rocks of the Olary Block.
- Possibilities for Olympic Dam style mineralisation within the Willyama Complex.

A summary of work completed follows:

IP Survey	2.7 line km
Gridding	28.1 line km
Ground Magnetics	28.1 line km
No. of Rotary Holes	18 holes
Rotary Drilling	1239 metres
Assays	44 samples

Results of rotary mud drilling proved very disappointing with only very minor base metal anomalism being recorded. No further work is recommended on this grid.

1. INTRODUCTION

1.1 Tenement History

Title to EL 1487, Billeroo Creek, was granted to CSR Limited on May 17th, 1988. It was made up of portions of EL 1065 (Billeroo Creek) and EL 1203 (Lake Namba) both previously held by CSR Limited. The title has been transferred to Placer Exploration Limited as part of CSR's sale of its Minerals Division in July of 1988.

In June of 1989 application was made for partial surrender of EL 1487. This was granted and the area of EL 1487 was reduced from 1965 to 782 sq km.

? 794

Placer exploration has continued CSR's regional programme and conducted exploration for stratiform/stratabound Broken Hill type Ag-Pb-Zn mineralised within the concealed Proterozoic strata of the Willyama Complex.

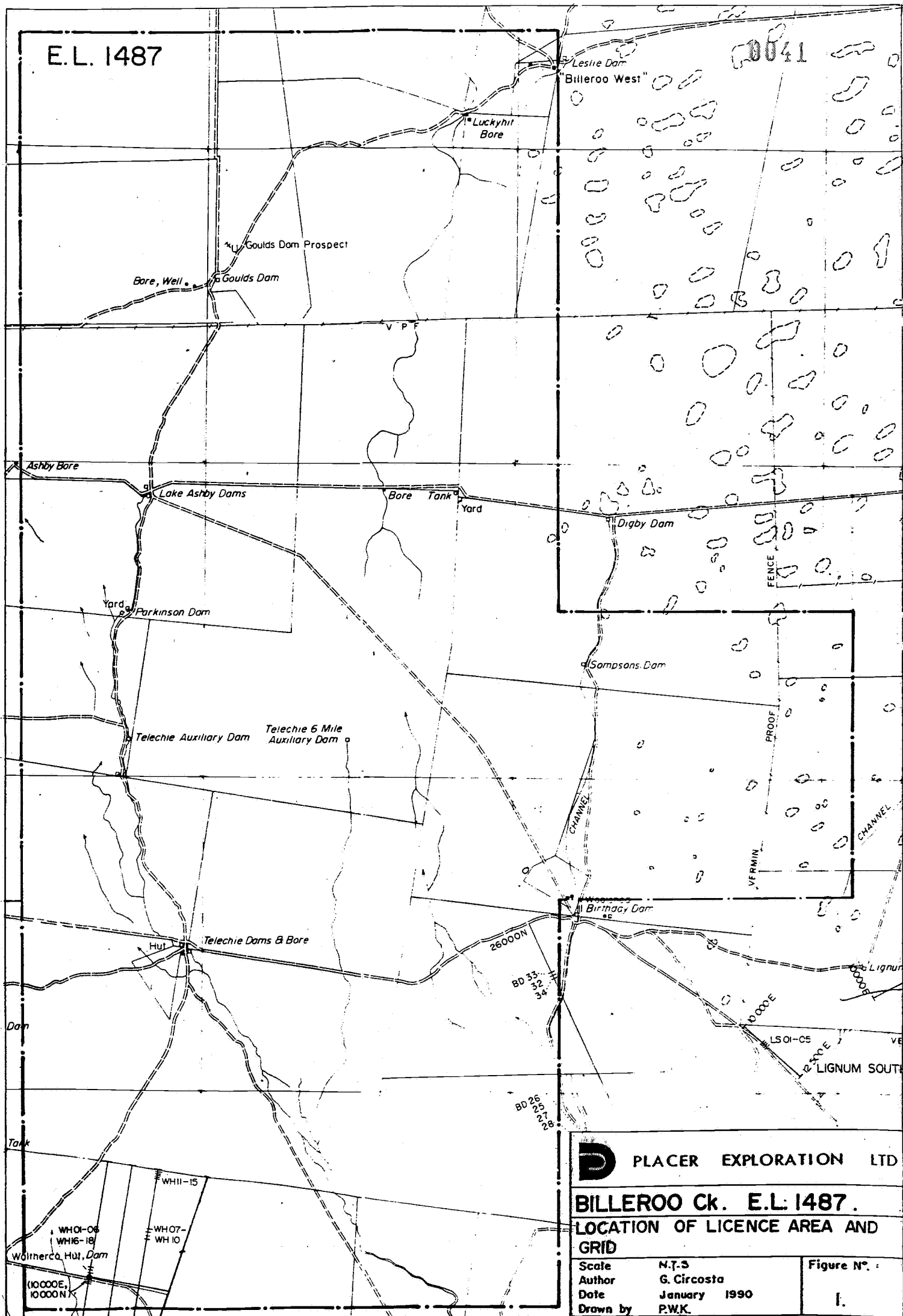
This report covers the period to February 16th, 1990 during which exploration activity was carried out in the Waltherco Hut area (Figure 1). Work consisted of gridding, ground magnetics, an IP survey and rotary drilling.

1.2 Access and Land Usage

Access to the licence area is via the Barrier Highway to Olary and graded station roads through Kalabity Station. The licence area covers part of the "Kalabity", pastoral lease. The topographic relief is minimal and vegetation is limited to salt bush, spear grass and minor patches of mulga and acacias. The land supports sheep only.

E.L. 1487

0041



PLACER EXPLORATION LTD

BILLEROO Ck. E.L. 1487.

LOCATION OF LICENCE AREA AND GRID

Scale
Author
Date
Drawn by

N.T.S
G. Circosta
January 1990
P.W.K.

Figure N°.
1.

2. REGIONAL GEOLOGICAL SETTING AND EXPLORATION TARGET

In the licence area, a variable thickness of Cretaceous, Tertiary and more recent sediments almost completely covers a sequence of strata inferred to be the continuation of the Early to Middle Proterozoic Willyama Supergroup sequence of the Olary Block which outcrops to the south (Figure 2). The Olary Block is equivalent in age to the Broken Hill Block to the east in New South Wales in which the stratiform Broken Hill Ag-Pb-Zn deposit occurs.

The Willyama Supergroup incorporates a wide range of metamorphic lithologies including pelitic, psammitic, quartzo-feldspathic and mafic rocks which have been metamorphosed to grades ranging from andalusite to sillimanite (granulite) grade. However, in the licence area, the metamorphic grade appears to be consistently low.

Where exposed in the Broken Hill Block, the Willyama Supergroup has been subdivided into groups (Willis et al, 1983) and a reasonably coherent correlation has been made with the sequence recognised in the Olary Block (Figure 3). This correlation defines four broadly divisible groups as outlined below:-

1. A lower group comprising metasediments, migmatites and anatectic granitoids collectively equated with the Clevedale Migmatite (Suite 1) and the Thorndale Composite Gneiss (Suite 2).
2. A group comprising quartz-albite rocks and intercalated metasediments which have been locally subdivided into the "Lower" and "Upper-Albite" units, and collectively equated with the Thackaringa group (Suite 3).
3. A group characterised by pyritic metasediments, calc-silicate rocks, gossan and Ag-Pb-Zn mineralisation known locally as "Bimba Formation" and possibly equivalent to the Broken Hill Group (Suite 4).

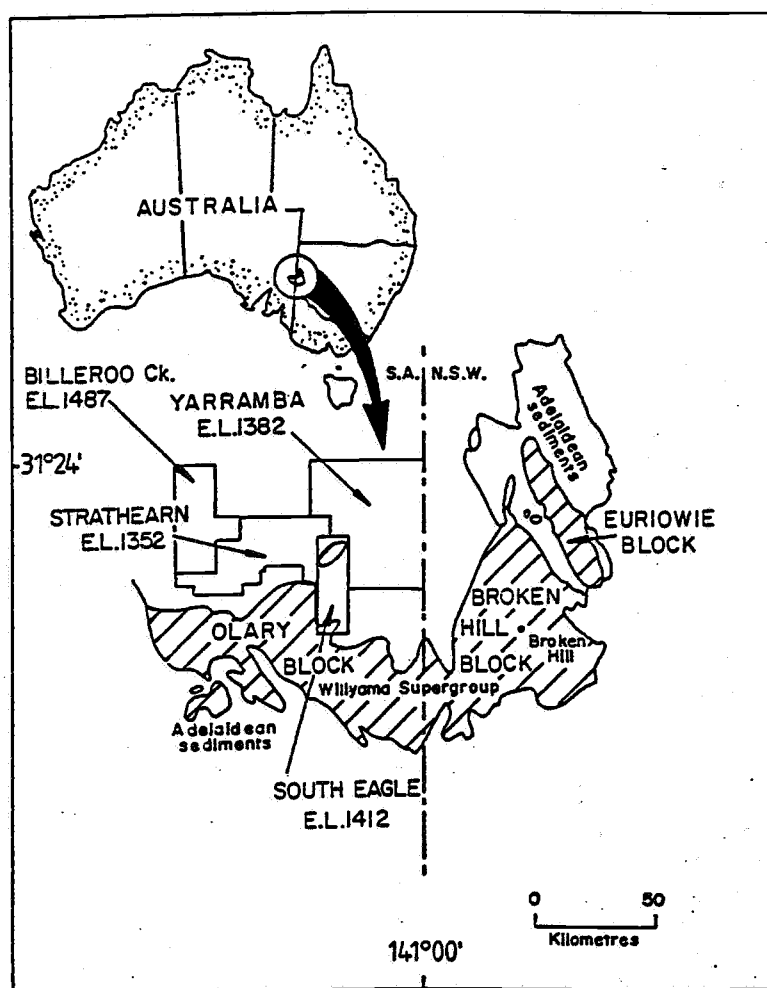


FIGURE 2.

Location of ELs 1352, 1382, 1412 and 1487 in relation to surface distribution of Willyama Supergroup rocks in Western New South Wales and South Australia.

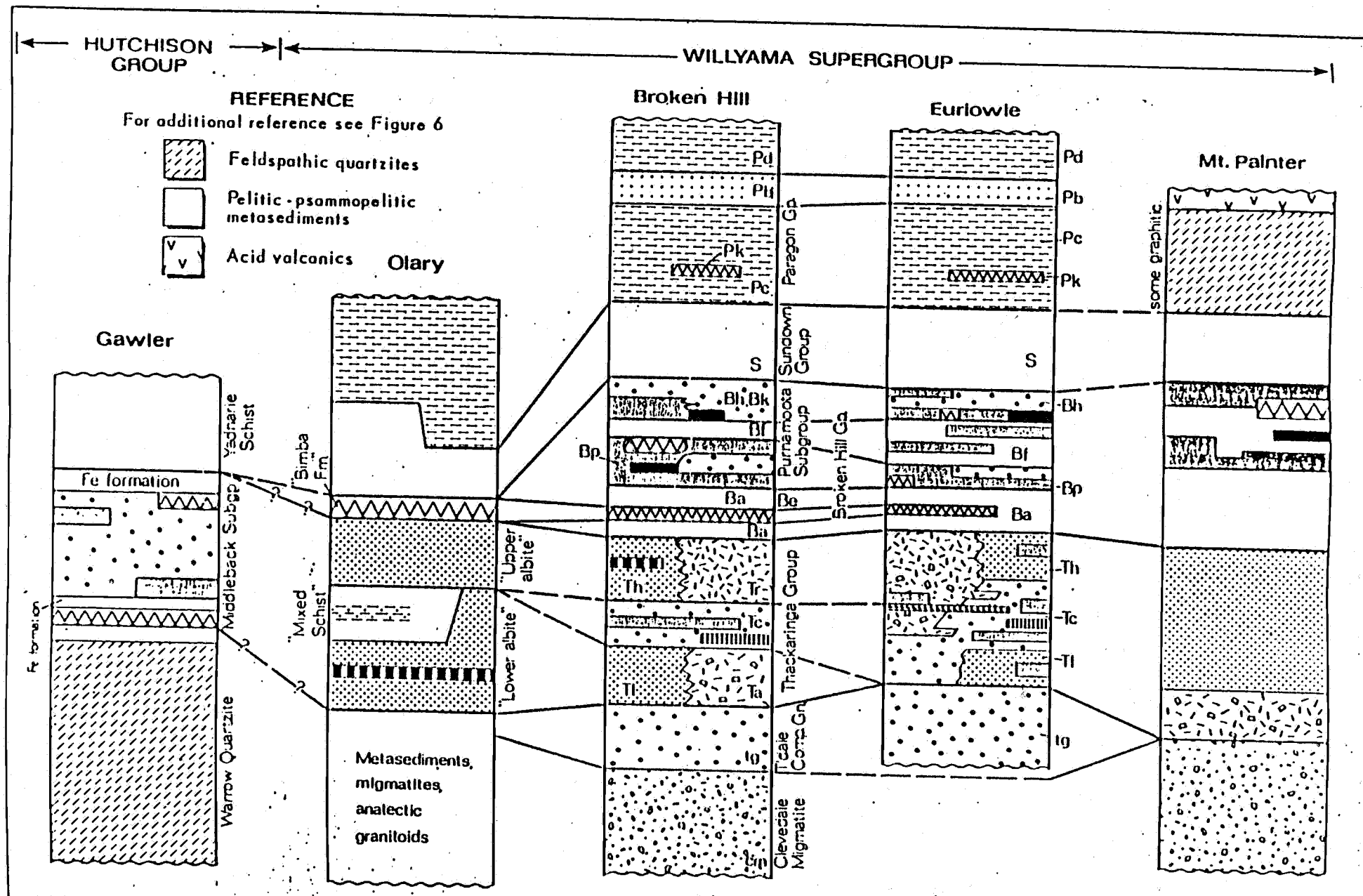


FIGURE 3 Schematic comparison of Willyama Supergroup sequences in Broken Hill, Euriowie, Olary, Mount Painter and Gawler Areas (from Willis et. al., 1983).

4. An upper group comprising pelitic and psammopelitic metasediments and carbonaceous intervals, equated with the Sundown and Paragon Groups (Suites 5, 6 and 7).

At Broken Hill, the Broken Hill Group hosts the Main Ag-Pb-Zn orebodies and other minor strataform/stratabound mineralisation in the upper members of the succession (Haydon & McConachy, 1987). In the Olary Block, the Bimba Formation hosts minor occurrences of Ag-Pb-Zn mineralisation.

In areas of non-outcrop as within the licence area, the position of the prospective "Bimba Horizon" can be inferred from the distinctively high magnetic signature possessed by the quartz-albite-magnetite units (Upper and Lower Albite) which stratigraphically underlie the Bimba Formation.

Exploration activity reported herein has been directed toward stratiform/stratabound Ag-Pb-Zn deposits of Broken Hill-type, hosted in Proterozoic strata interpreted to equate with the Thackaringa Group (Suite 3) and the Broken Hill Group (Suite 4) of the Willyama Supergroup.

3. PREVIOUS EXPLORATION

Previous exploration concentrated on exploration for Tertiary Uranium. The small Goulds Dam Deposit lies within EL 1487.

Some exploration aimed at assessing the basemetal potential has been carried out by CSR and Placer, but work to date had been fairly minimal and concentrated on the northern extensions of the Birthday Dam line 12100E on EL 1352 - Strathearn. These activities have been reported in past Quarterly Reports.

4. CURRENT EXPLORATION

4.1 Gridding and Ground Magnetics

The current programme was aimed at exploration in the Waltherco Hut area (Figure 4). The Waltherco Hut Grid was established over a unusual magnetic anomaly (Figure 5) which is interpreted to contain several repetitions of the Bimba Horizon. Some very high magnetic zones were thought to represent quartz-magnetite beds which may be interesting for Cu-Au mineralisation.

The grid consisted of four lines of over 6km in length and a base line. Ground magnetics was completed over all these lines. Readings were taken at 10 metre intervals and data was then drift corrected. The resulting magnetic profiles are shown on Figure 6 and the second vertical derivative on Figure 7. Raw magnetic data appears in Appendix 1.

This data shows the high magnetic gradients present in the area. The feature at the northern end of Line 11600E is of interest and was interpreted to be a possible iron formation.

4.2 IP Survey

Following interpretation of the ground magnetics it was decided to test positions of lines 10000E and 11600E with an Induced Polarisation survey. The survey was conducted using 100 metre loops. The Raw I.P. data appears as Appendix 2 and resulting IP pseudosections are represented as Figures 8 and 9.

The survey identified several minor IP anomalies and chargeable zones on Line 11600E.

4.3 Waltherco Hut Grid Drilling

4.3.1 Aim

The aim was to quickly drill the Tertiary cover and weathered bedrock to obtain a fresh sample of bedrock. Sites were selected to test the following geophysical targets.

31 40S

E.L. 1203 (part)

0048

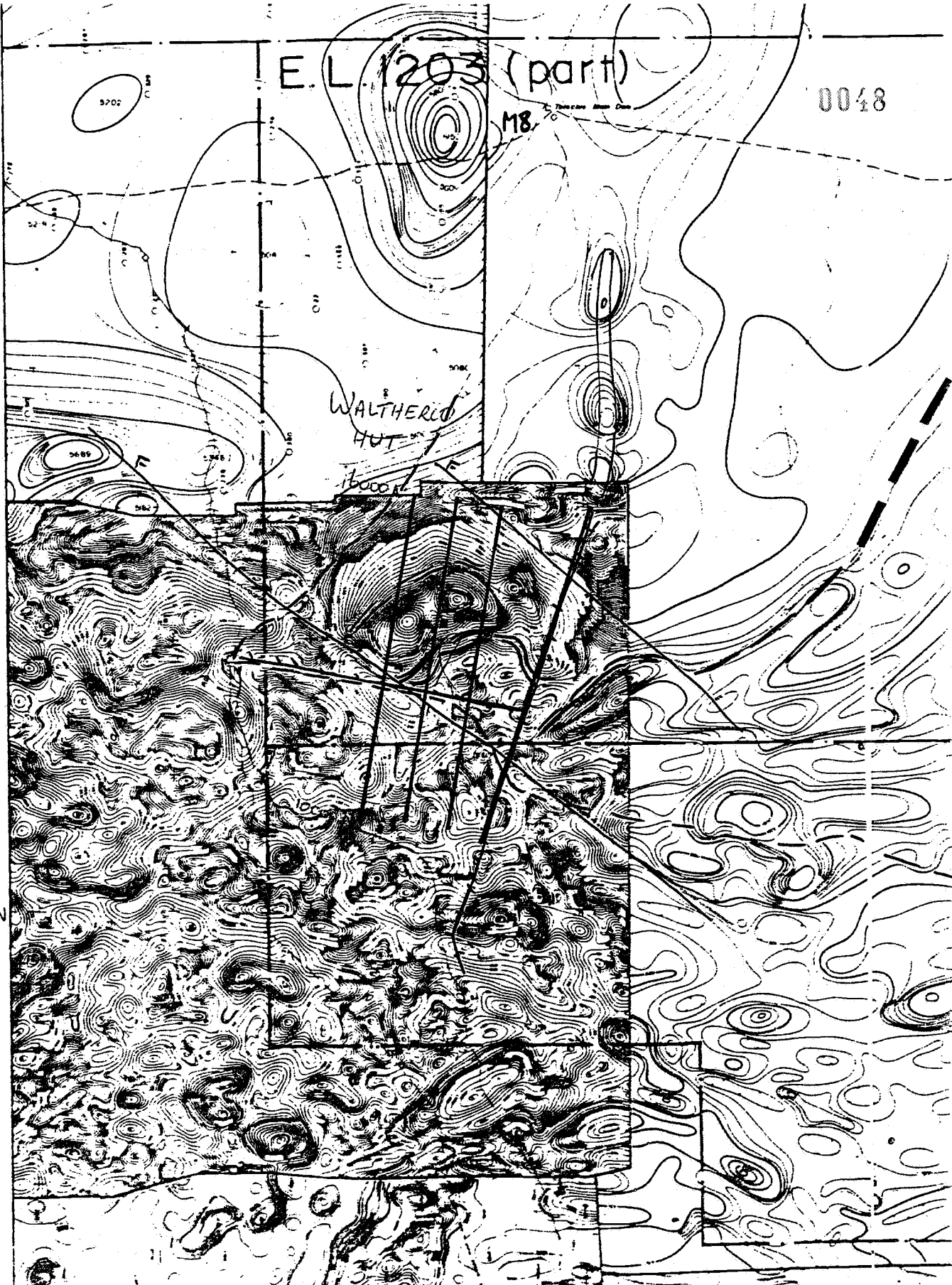
M8.

6490000N

WALTHERCO
HUT

6480000N

31 50S



EL 1487, BILLEROO CREEK
Location of Waltherco
Hut Grid on 1:100,000 Scale
Aeromagnetic Map.

FIGURE 5.

- 1) The interpreted fault zone on Line 10000E at about 10000N.
- 2) The IP and chargeability anomalies on Line 11600E at about 11700-11800E.
- 3) The source of the extremely high magnetic anomaly at the northern end of Line 11600E.

4.3.2 Programme

The drilling was undertaken by Thompson Drilling of Adelaide using a rotary-mud rig. Generally 2-3 samples from the bottom of each hole were sampled and despatched to Classic Comlabs in Adelaide for analysis of Cu, Pb, Zn, Fe, Mn, Ag and Au.

Drilling was completed on lines 10000N and 11600E. A total of 18 holes were drilled for 1239 metres (average 68.8 metres).

4.3.3 Geochemistry - Discussion

The drilling results proved disappointing with very little anomalism detected. Drill logs appear in Appendix 3 and assay results in Appendix 4. Cross sections appear on the magnetic profiles - Figures 10 and 11.

A discussion of drilling on each line follows.

Line 10000E (Figure 10) - Drilling was completed to test the interpreted fault zone near 10000N.

Drilling was successful in intersecting what has been interpreted as a fault zone at 9900N. This zone is extremely graphitic and is quartz veined. It marks the contact between granitic and gneissic rocks (to the north) and meta-sediments to meta-volcanics (to the south).

A summary of the results obtained is shown on the table below:

Hole No.	Lithology *	Depth (m)	Cu	Pb	Zn	Mn	Au
WH16	Pe	40-42	14	8	32	80	-
WH17	Gr/Pv	48-51	4	4	-	46	-
WH1	Pe/gr/Vq	84-86	100	16	20	140	0.01
WH18	Gr/Pv/Pm	58-60	55	5	13	105	0.01
WH2	Gr/Pm(?)	62-64	30	16	17	90	0.06
WH3	Gr	26-29	8	10	5	40	0.03
WH4	Gr	82-83	12	8	9	65	0.04
WH5	Gr	74-77	70	20	20	96	0.01
WH6	Gr	70-72	18	8	9	64	-

* Lithologies Gr - granite/gneiss, Pv - meta-volcanics?
 Pe - pelites, Pm - meta-siltstones,
 Vq - vein quartz, gr - graphitic

Results are disappointing other than the low levels of gold anomalism (maximum 0.06 g/t) present in most holes.

Line 11600N (Figure 11) - Drilling on line 11600N was completed over two zones i.e.

- 1) The southern zone from 11500N to 11800N where four holes were drilled at 100 metre spacing to test the IP and chargeability anomalies.
- 2) The northern zone from 13500N to 13780N which were drilled to test the source of the very high magnetic peak evident on Figure 6.

These zones are discussed in turn below:

Southern Zone - These holes drilled dominantly a sequence of mixed granitic rocks and meta-siltstones. The table below summarises the results.

Hole No.	Lithology *	Depth (m)	Cu	Pb	Zn	Mn	Au
WH7	Gr	66- 67	60	8	9	150	-
WH8	Gr/Pm	88- 90	16	12	13	56	0.03
WH9	Gr	99-101	15	155	20	42	0.02
WH10	Pm/Vq	102-104	42	26	115	240	0.03

* Gr denotes granite, Pm - meta-siltstone,
Vq - vein-quartz

Results are disappointing with only slightly enhanced zinc recorded in hole WD10. Gold again appears to occur in slightly anomalous concentrations.

Northern Zone - Drilled to test the source of the highly magnetic unit evident on the ground magnetic profile. The table below summarises the results.

Hole No.	Lithology *	Depth (m)	Cu	Pb	Zn	Mn	Au
WH15	Gr	66- 68	22	12	30	170	-
WH11	Gr	52- 54	65	20	13	115	0.04
WH12	Gr	52- 53	32	16	16	76	0.03
WH13	Peg/Gr/Vq	58- 59	44	12	8	420	-
WH14	Pm	78- 79	220	12	35	135	0.05

* Gr - granite, Peg - Pegmatite, Vq - vein quartz,
Pm - meta-siltstone.

Drilling intersected very highly magnetic granites and meta-siltstone. Magnetic susceptibility reached a maximum value of 2500×10^{-5} SI units in clays developed from decomposed granitic rocks (hole WH13) and 1500×10^{-5} SI units in highly meta-morphosed coarse mica-biotite schists veined by pegmatite (hole WH14).

It appears that the magnetic anomaly is the result of a contact aureole at the margins of around the intrusive granite.

Geochemically the drilling was disappointing with the only base-metal assay of note being in Hole WH14 where the meta-sediments recorded 220ppm copper. Minor gold anomalism has also been recorded with values of between 0.03 and 0.05 g/t Au.

5. CONCLUSIONS AND RECOMMENDATIONS

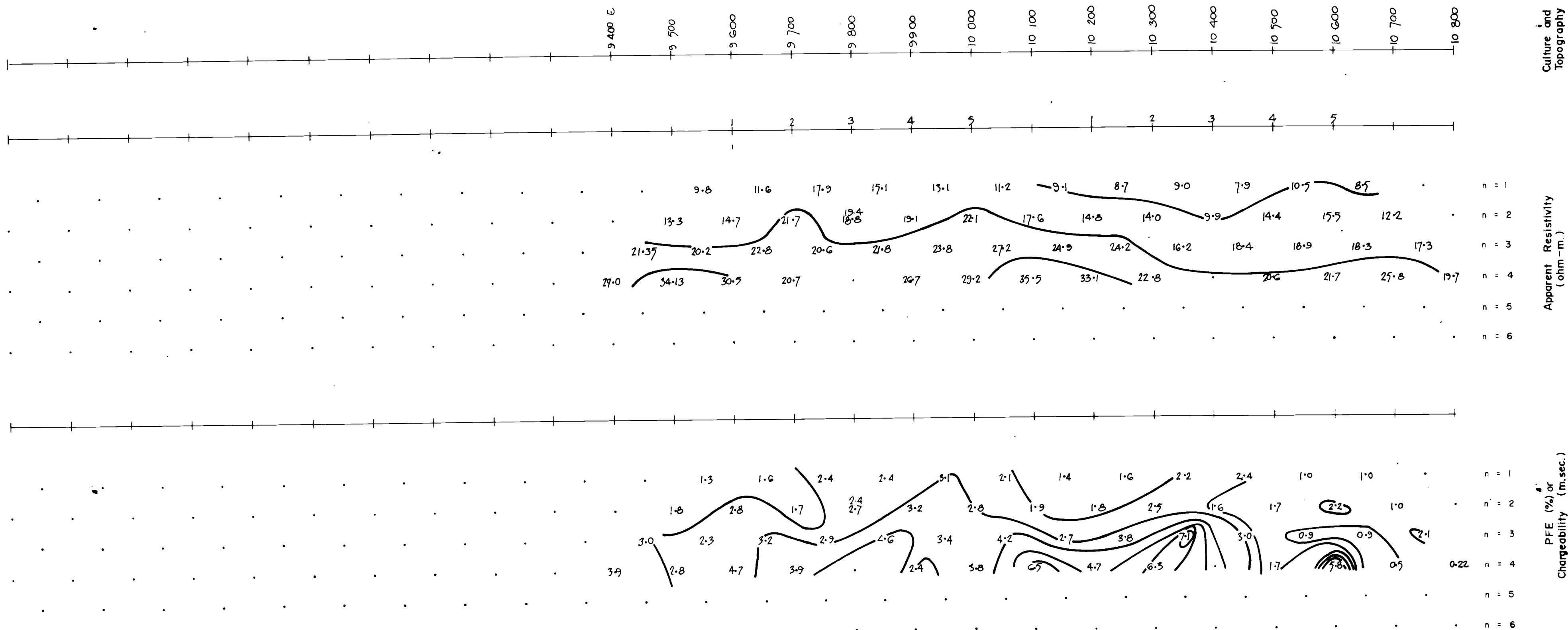
The 1989 programme was aimed at assessing the unusual magnetic anomaly to the east of Waltherco Hut. Work undertaken included gridding, ground magnetics, IP surveys and rotary drilling.

A number of geophysical features were tested with rotary drilling including:

- 1) A interpreted fault zone on line 10000E.
- 2) A coincident IP and chargeability anomaly on line 11600E,
and
- 3) The extremely highly magnetic zone at the northern end of
line 11600E.

Drilling intersected a sequence dominated by granites and granite gneisses which are at times very magnetic. Minor meta-sediments and volcanics were found to be highly metamorphosed. Results are generally disappointing with little or no base-metal anomalism. The only interesting feature is the slightly anomalous levels of gold recorded in a great number of the holes.

8691-1

Culture and
TopographyApparent Resistivity
(ohm-m.)PFE (%) or
Chargeability (m.sec.)

DIPOLE-DIPOLE I.P. SURVEY

Contractor : Search Expl. Services
I.P. Unit Tx :
Rx : Huntrec IV
Dipole size : 100 metres
Scale : 1 : 5000
PROPERTY : BILLEROO CK.
PROSPECT : WALTHERCO HUT
LINE N° : 11600 E
SET-UP N° :
DATE :

D PLACER EXPLORATION LTD

BILLEROO CREEK E.L. 1482.

WALTHERCO HUT

I.P. PSEUDO-SECTION LINE 11600 E

Scale 1 : 5000

Author G. Circosta

Date November 1989

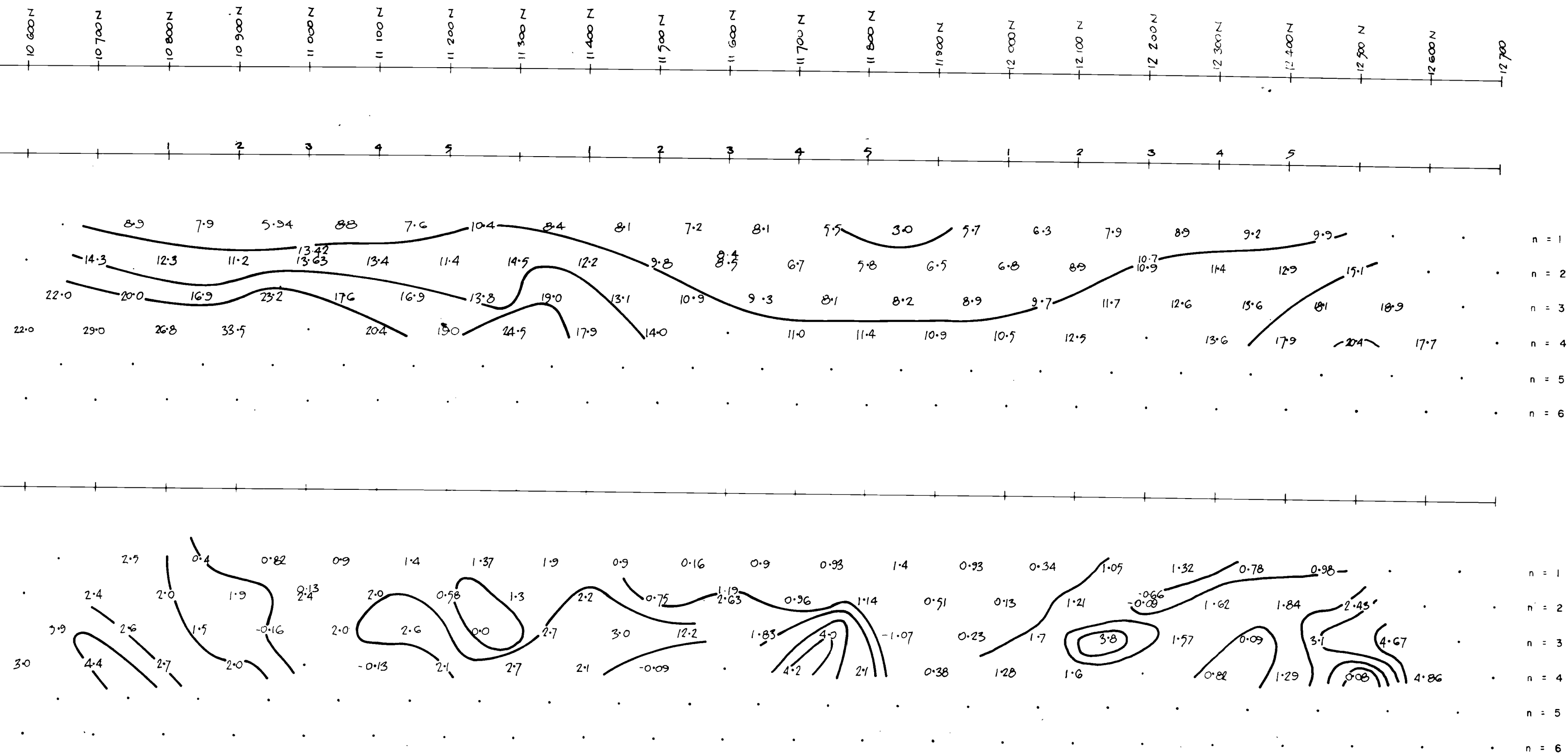
Drawn by P.W.K.

Figure N° :

8

8691-1

8691-2

Culture and
TopographyApparent Resistivity
(ohm-m.)PFE (%) or
Chargeability (m.sec.)

DIPOLE-DIPOLE I.P. SURVEY

Contractor : Search Expl. Services

I.P. Unit Tx :
Rx : Huntex IV

Dipole size : 100 metres

Scale : 1 : 5000

PROPERTY : BILLEROO CREEK

PROSPECT : WALTHERCO HUT.

LINE N° :

SET-UP N° :

DATE :

PLACER EXPLORATION LTD

BILLEROO CREEK E.L. 1482

I.P. PSEUDO-SECTION

LINE 11600E

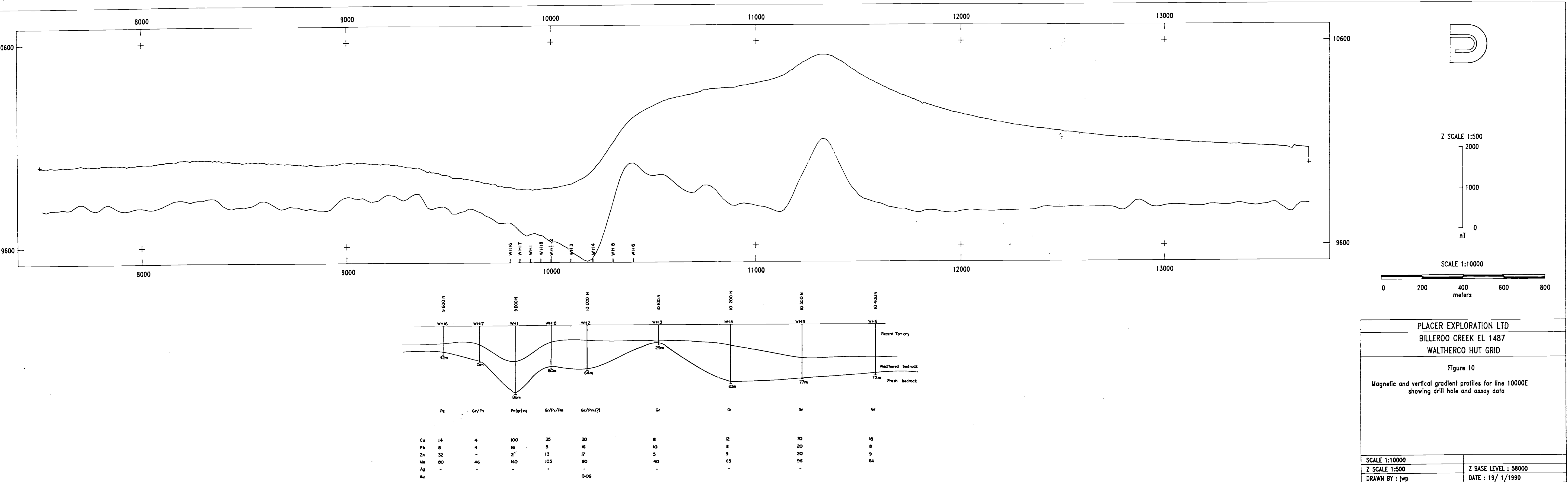
Scale : 1 :
Author : G. Circosta
Date : November 1989
Drawn by : P.W.K.

Figure N° :

9

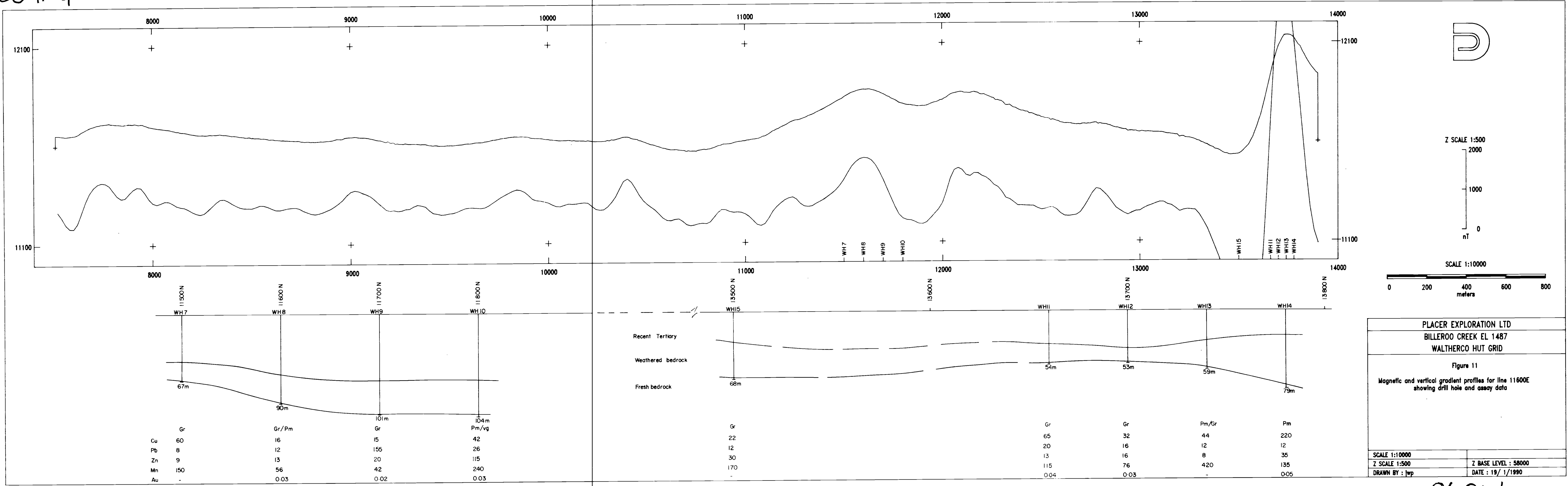
8691-2

8691-3



8691-3

8691-4



8691-4

APPENDIX 1

RAW MAGNETIC DATA - WALTHERCO HUT GRID

X	Y	MAG	X	Y	MAG	X	Y	MAG
10000	7500	57983.8	10000	8100	58081.0	10000	8700	58038.3
10000	7510	57982.7	10000	8110	58083.0	10000	8710	58051.4
10000	7520	57978.8	10000	8120	58101.8	10000	8720	58044.6
10000	7530	57970.7	10000	8130	58105.9	10000	8730	58040.3
10000	7540	57957.1	10000	8140	58104.1	10000	8740	58035.2
10000	7550	57975.8	10000	8150	58103.1	10000	8750	58032.2
10000	7560	57989.8	10000	8160	58117.8	10000	8760	58034.7
10000	7570	57987.1	10000	8170	58098.3	10000	8770	58040.2
10000	7580	57974.6	10000	8180	58128.1	10000	8780	58017.0
10000	7590	57975.6	10000	8190	58137.3	10000	8790	58017.9
10000	7600	57980.2	10000	8200	58138.1	10000	8800	58005.4
10000	7610	57988.4	10000	8210	58143.6	10000	8810	58014.7
10000	7620	57994.3	10000	8220	58138.5	10000	8820	58030.1
10000	7630	57993.8	10000	8230	58134.3	10000	8830	58017.6
10000	7640	57988.8	10000	8240	58118.2	10000	8840	58010.7
10000	7650	57993.4	10000	8250	58143.4	10000	8850	57998.6
10000	7660	57988.3	10000	8260	58152.6	10000	8860	58006.2
10000	7670	57994.4	10000	8270	58145.2	10000	8870	58011.0
10000	7680	58000.6	10000	8280	58151.2	10000	8880	58009.6
10000	7690	58012.4	10000	8290	58134.0	10000	8890	58012.1
10000	7700	58017.6	10000	8300	58139.0	10000	8900	58015.1
10000	7710	58036.0	10000	8310	58148.5	10000	8910	58014.6
10000	7720	58017.7	10000	8320	58135.5	10000	8920	58015.1
10000	7730	58000.8	10000	8330	58138.7	10000	8930	58019.4
10000	7740	58014.7	10000	8340	58145.4	10000	8940	58035.6
10000	7750	58018.9	10000	8350	58117.7	10000	8950	58016.8
10000	7760	58007.0	10000	8360	58144.7	10000	8960	58034.5
10000	7770	58010.7	10000	8370	58118.6	10000	8970	58049.2
10000	7780	58006.7	10000	8380	58136.7	10000	8980	58059.9
10000	7790	58016.5	10000	8390	58121.9	10000	8990	58053.2
10000	7800	58005.4	10000	8400	58095.0	10000	9000	58062.1
10000	7810	58033.9	10000	8410	58107.8	10000	9010	58064.9
10000	7820	58031.9	10000	8420	58104.8	10000	9020	58064.6
10000	7830	58028.9	10000	8430	58113.7	10000	9030	58052.6
10000	7840	58037.4	10000	8440	58096.0	10000	9040	58041.4
10000	7850	58032.7	10000	8450	58079.1	10000	9050	58066.1
10000	7860	58023.7	10000	8460	58093.9	10000	9060	58051.0
10000	7870	58022.1	10000	8470	58078.2	10000	9070	58067.9
10000	7880	58017.7	10000	8480	58093.2	10000	9080	58065.0
10000	7890	58022.5	10000	8490	58060.4	10000	9090	58055.0
10000	7900	58023.5	10000	8500	58072.1	10000	9100	58045.4
10000	7910	58021.8	10000	8510	58077.1	10000	9110	58043.4
10000	7920	58027.2	10000	8520	58103.3	10000	9120	58019.2
10000	7930	57996.6	10000	8530	58088.0	10000	9130	58035.4
10000	7940	58027.7	10000	8540	58072.2	10000	9140	58035.7
10000	7950	58012.4	10000	8550	58086.8	10000	9150	58036.6
10000	7960	58029.5	10000	8560	58087.4	10000	9160	58019.5
10000	7970	58023.3	10000	8570	58065.7	10000	9170	58013.5
10000	7980	58046.7	10000	8580	58093.8	10000	9180	58032.6
10000	7990	58041.9	10000	8590	58079.3	10000	9190	58024.9
10000	8000	58043.3	10000	8600	58090.1	10000	9200	58021.1
10000	8010	58053.3	10000	8610	58054.7	10000	9210	58028.2
10000	8020	58052.3	10000	8620	58077.4	10000	9220	58008.1
10000	8030	58042.9	10000	8630	58067.5	10000	9230	58006.7
10000	8040	58048.6	10000	8640	58063.7	10000	9240	58010.1
10000	8050	58043.7	10000	8650	58074.4	10000	9250	58016.6
10000	8060	58063.7	10000	8660	58063.2	10000	9260	57984.0
10000	8070	58047.9	10000	8670	58053.1	10000	9270	57993.9
10000	8080	58075.1	10000	8680	58041.4	10000	9280	57971.9
10000	8090	58083.0	10000	8690	58044.3	10000	9290	57964.7

X	Y	MAG	X	Y	MAG	X	Y	MAG
10000	9300	57948.4	10000	9900	57399.5	10000	10500	59441.8
10000	9310	57949.0	10000	9910	57371.2	10000	10510	59469.1
10000	9320	57949.7	10000	9920	57399.2	10000	10520	59490.9
10000	9330	57933.1	10000	9930	57404.5	10000	10530	59512.4
10000	9340	57929.5	10000	9940	57389.7	10000	10540	59539.4
10000	9350	57923.8	10000	9950	57408.2	10000	10550	59558.4
10000	9360	57933.7	10000	9960	57413.0	10000	10560	59568.0
10000	9370	57911.2	10000	9970	57417.8	10000	10570	59593.9
10000	9380	57883.6	10000	9980	57411.6	10000	10580	59600.0
10000	9390	57863.1	10000	9990	57429.6	10000	10590	59616.5
10000	9400	57825.7	10000	10000	57401.5	10000	10600	59620.4
10000	9410	57855.4	10000	10010	57439.2	10000	10610	59639.5
10000	9420	57818.9	10000	10020	57442.4	10000	10620	59644.6
10000	9430	57828.5	10000	10030	57445.2	10000	10630	59660.5
10000	9440	57800.5	10000	10040	57459.1	10000	10640	59666.6
10000	9450	57818.5	10000	10050	57472.6	10000	10650	59680.8
10000	9460	57787.2	10000	10060	57477.3	10000	10660	59694.1
10000	9470	57763.4	10000	10070	57494.6	10000	10670	59697.7
10000	9480	57755.5	10000	10080	57504.8	10000	10680	59709.1
10000	9490	57759.1	10000	10090	57517.4	10000	10690	59723.1
10000	9500	57744.4	10000	10100	57522.6	10000	10700	59736.6
10000	9510	57728.9	10000	10110	57553.1	10000	10710	59743.0
10000	9520	57685.6	10000	10120	57576.7	10000	10720	59763.1
10000	9530	57688.5	10000	10130	57601.8	10000	10730	59774.9
10000	9540	57688.8	10000	10140	57629.6	10000	10740	59814.4
10000	9550	57687.7	10000	10150	57650.9	10000	10750	59806.4
10000	9560	57684.2	10000	10160	57677.7	10000	10760	59814.4
10000	9570	57674.1	10000	10170	57706.8	10000	10770	59832.3
10000	9580	57646.4	10000	10180	57746.1	10000	10780	59839.8
10000	9590	57663.1	10000	10190	57796.6	10000	10790	59836.4
10000	9600	57648.1	10000	10200	57838.7	10000	10800	59840.3
10000	9610	57638.1	10000	10210	57886.1	10000	10810	59843.3
10000	9620	57628.1	10000	10220	57960.8	10000	10820	59846.2
10000	9630	57614.9	10000	10230	58016.0	10000	10830	59852.7
10000	9640	57605.3	10000	10240	58071.8	10000	10840	59853.9
10000	9650	57599.5	10000	10250	58142.3	10000	10850	59858.0
10000	9660	57580.8	10000	10260	58220.5	10000	10860	59860.4
10000	9670	57564.7	10000	10270	58293.6	10000	10870	59863.2
10000	9680	57549.5	10000	10280	58368.4	10000	10880	59861.6
10000	9690	57562.1	10000	10290	58446.1	10000	10890	59862.9
10000	9700	57540.1	10000	10300	58520.4	10000	10900	59867.2
10000	9710	57520.4	10000	10310	58586.3	10000	10910	59888.5
10000	9720	57528.0	10000	10320	58670.3	10000	10920	59905.5
10000	9730	57525.2	10000	10330	58741.3	10000	10930	59910.8
10000	9740	57474.5	10000	10340	58819.2	10000	10940	59921.7
10000	9750	57495.2	10000	10350	58880.8	10000	10950	59922.4
10000	9760	57477.1	10000	10360	58946.1	10000	10960	59930.8
10000	9770	57455.4	10000	10370	58999.9	10000	10970	59948.5
10000	9780	57451.4	10000	10380	59050.6	10000	10980	59951.6
10000	9790	57449.2	10000	10390	59105.8	10000	10990	59962.3
10000	9800	57463.5	10000	10400	59146.2	10000	11000	59973.1
10000	9810	57434.8	10000	10410	59186.9	10000	11010	59990.1
10000	9820	57428.1	10000	10420	59217.2	10000	11020	59994.4
10000	9830	57408.7	10000	10430	59253.1	10000	11030	60010.5
10000	9840	57414.1	10000	10440	59280.7	10000	11040	60018.2
10000	9850	57405.8	10000	10450	59313.7	10000	11050	60031.2
10000	9860	57396.2	10000	10460	59338.3	10000	11060	60036.2
10000	9870	57397.9	10000	10470	59370.3	10000	11070	60051.5
10000	9880	57386.2	10000	10480	59389.3	10000	11080	60068.6
10000	9890	57387.7	10000	10490	59414.0	10000	11090	60081.0

X	Y	MAG	X	Y	MAG	X	Y	MAG
10000	11100	60097.5	10000	11700	59691.4	10000	12300	58915.6
10000	11110	60115.2	10000	11710	59674.0	10000	12310	58914.8
10000	11120	60133.9	10000	11720	59663.9	10000	12320	58903.9
10000	11130	60152.2	10000	11730	59638.9	10000	12330	58895.7
10000	11140	60171.6	10000	11740	59620.1	10000	12340	58886.8
10000	11150	60207.4	10000	11750	59600.9	10000	12350	58878.5
10000	11160	60237.5	10000	11760	59577.1	10000	12360	58869.2
10000	11170	60281.5	10000	11770	59563.1	10000	12370	58861.8
10000	11180	60297.8	10000	11780	59538.5	10000	12380	58858.0
10000	11190	60339.0	10000	11790	59520.0	10000	12390	58860.0
10000	11200	60383.9	10000	11800	59495.3	10000	12400	58858.9
10000	11210	60417.9	10000	11810	59449.2	10000	12410	58843.2
10000	11220	60443.0	10000	11820	59486.7	10000	12420	58840.0
10000	11230	60488.4	10000	11830	59451.7	10000	12430	58833.7
10000	11240	60501.9	10000	11840	59441.2	10000	12440	58821.5
10000	11250	60536.9	10000	11850	59422.3	10000	12450	58815.3
10000	11260	60563.5	10000	11860	59411.1	10000	12460	58807.3
10000	11270	60597.4	10000	11870	59391.7	10000	12470	58805.6
10000	11280	60613.9	10000	11880	59377.8	10000	12480	58806.3
10000	11290	60637.7	10000	11890	59361.5	10000	12490	58789.5
10000	11300	60657.0	10000	11900	59350.9	10000	12500	58784.9
10000	11310	60666.9	10000	11910	59330.9	10000	12510	58765.4
10000	11320	60669.1	10000	11920	59320.0	10000	12520	58770.9
10000	11330	60669.3	10000	11930	59303.0	10000	12530	58767.7
10000	11340	60667.1	10000	11940	59289.9	10000	12540	58761.3
10000	11350	60655.8	10000	11950	59273.2	10000	12550	58759.0
10000	11360	60639.7	10000	11960	59259.2	10000	12560	58754.8
10000	11370	60620.7	10000	11970	59247.7	10000	12570	58746.4
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10000	11390	60558.7	10000	11990	59225.5	10000	12590	58733.6
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10000	11410	60506.0	10000	12010	59205.3	10000	12610	58715.5
10000	11420	60475.0	10000	12020	59190.3	10000	12620	58713.7
10000	11430	60442.5	10000	12030	59185.3	10000	12630	58708.9
10000	11440	60399.2	10000	12040	59173.1	10000	12640	58704.4
10000	11450	60366.1	10000	12050	59164.1	10000	12650	58696.2
10000	11460	60330.3	10000	12060	59152.3	10000	12660	58692.8
10000	11470	60298.8	10000	12070	59137.5	10000	12670	58683.8
10000	11480	60269.6	10000	12080	59124.7	10000	12680	58680.9
10000	11490	60232.9	10000	12090	59106.8	10000	12690	58676.8
10000	11500	60196.9	10000	12100	59100.5	10000	12700	58671.2
10000	11510	60170.0	10000	12110	59096.7	10000	12710	58662.1
10000	11520	60142.2	10000	12120	59080.6	10000	12720	58656.1
10000	11530	60110.8	10000	12130	59076.9	10000	12730	58654.9
10000	11540	60088.3	10000	12140	59064.1	10000	12740	58651.2
10000	11550	60053.7	10000	12150	59052.0	10000	12750	58649.7
10000	11560	60033.3	10000	12160	59036.5	10000	12760	58643.5
10000	11570	60014.8	10000	12170	59021.4	10000	12770	58634.8
10000	11580	59978.8	10000	12180	59018.0	10000	12780	58628.0
10000	11590	59959.8	10000	12190	59021.5	10000	12790	58623.4
10000	11600	59934.6	10000	12200	59004.2	10000	12800	58615.3
10000	11610	59907.0	10000	12210	58994.2	10000	12810	58626.0
10000	11620	59882.5	10000	12220	58983.8	10000	12820	58615.9
10000	11630	59859.4	10000	12230	58973.3	10000	12830	58625.6
10000	11640	59829.7	10000	12240	58965.4	10000	12840	58615.9
10000	11650	59806.4	10000	12250	58950.1	10000	12850	58633.4
10000	11660	59788.6	10000	12260	58945.2	10000	12860	58629.7
10000	11670	59762.9	10000	12270	58938.7	10000	12870	58620.6
10000	11680	59744.3	10000	12280	58933.8	10000	12880	58612.7
10000	11690	59716.0	10000	12290	58925.2	10000	12890	58603.9

X	Y	MAG	X	Y	MAG	X	Y	MAG
10000	12900	58503.9	10000	13500	58406.2			
10000	12910	58588.8	10000	13510	58413.3			
10000	12920	58585.3	10000	13520	58410.3			
10000	12930	58583.4	10000	13530	58407.8			
10000	12940	58578.0	10000	13540	58400.4			
10000	12950	58571.8	10000	13550	58397.5			
10000	12960	58569.1	10000	13560	58389.4			
10000	12970	58568.2	10000	13570	58388.3			
10000	12980	58557.8	10000	13580	58384.9			
10000	12990	58559.7	10000	13590	58364.1			
10000	13000	58555.5	10000	13600	58371.8			
10000	13010	58548.9	10000	13610	58350.2			
10000	13020	58546.6	10000	13620	58336.6			
10000	13030	58541.5	10000	13630	58417.7			
10000	13040	58544.9	10000	13640	58384.6			
10000	13050	58536.1	10000	13650	58381.8			
10000	13060	58531.2	10000	13660	58382.7			
10000	13070	58525.2	10000	13670	58379.1			
10000	13080	58527.5	10000	13680	58372.1			
10000	13090	58520.9	10000	13690	58364.4			
10000	13100	58517.4	10000	13700	58363.8			
10000	13110	58516.6						
10000	13120	58518.9						
10000	13130	58506.6						
10000	13140	58501.3						
10000	13150	58501.9						
10000	13160	58500.6						
10000	13170	58485.4						
10000	13180	58489.8						
10000	13190	58492.6						
10000	13200	58490.5						
10000	13210	58486.5						
10000	13220	58489.6						
10000	13230	58481.4						
10000	13240	58475.8						
10000	13250	58477.4						
10000	13260	58477.5						
10000	13270	58469.0						
10000	13280	58470.0						
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10000	13400	58433.4						
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10000	13420	58430.6						
10000	13430	58431.7						
10000	13440	58428.4						
10000	13450	58421.6						
10000	13460	58417.2						
10000	13470	58423.5						
10000	13480	58416.6						
10000	13490	58411.3						

X	Y	MAG	X	Y	MAG	X	Y	MAG
10800	7500	58071.5	10800	8100	57973.2	10800	8700	58025.6
10800	7510	58078.5	10800	8110	57974.6	10800	8710	58021.0
10800	7520	58051.6	10800	8120	57967.5	10800	8720	58011.4
10800	7530	58065.5	10800	8130	57963.4	10800	8730	58005.2
10800	7540	58066.9	10800	8140	57967.9	10800	8740	57993.5
10800	7550	58061.7	10800	8150	57965.3	10800	8750	57982.2
10800	7560	58056.7	10800	8160	57965.5	10800	8760	57975.2
10800	7570	58041.4	10800	8170	57968.8	10800	8770	57960.2
10800	7580	58040.8	10800	8180	57971.8	10800	8780	57945.6
10800	7590	58050.1	10800	8190	57982.2	10800	8790	57939.5
10800	7600	58026.1	10800	8200	57990.4	10800	8800	57931.9
10800	7610	58027.8	10800	8210	57992.2	10800	8810	57917.9
10800	7620	58027.3	10800	8220	58012.8	10800	8820	57911.0
10800	7630	58031.8	10800	8230	58022.7	10800	8830	57897.5
10800	7640	58031.0	10800	8240	58036.7	10800	8840	57880.5
10800	7650	58032.6	10800	8250	58047.8	10800	8850	57872.3
10800	7660	58027.3	10800	8260	58060.1	10800	8860	57864.2
10800	7670	58020.1	10800	8270	58070.6	10800	8870	57850.0
10800	7680	58015.9	10800	8280	58081.2	10800	8880	57845.8
10800	7690	58025.1	10800	8290	58092.8	10800	8890	57831.3
10800	7700	58031.3	10800	8300	58105.7	10800	8900	57822.4
10800	7710	58031.9	10800	8310	58114.1	10800	8910	57810.2
10800	7720	58027.6	10800	8320	58131.2	10800	8920	57806.4
10800	7730	58025.2	10800	8330	58139.1	10800	8930	57801.5
10800	7740	58024.2	10800	8340	58145.1	10800	8940	57789.1
10800	7750	58027.6	10800	8350	58159.8	10800	8950	57794.0
10800	7760	58030.8	10800	8360	58166.9	10800	8960	57803.3
10800	7770	58034.3	10800	8370	58185.3	10800	8970	57799.4
10800	7780	58029.5	10800	8380	58191.8	10800	8980	57771.6
10800	7790	58027.2	10800	8390	58202.3	10800	8990	57769.0
10800	7800	58021.0	10800	8400	58216.1	10800	9000	57766.8
10800	7810	58017.2	10800	8410	58228.3	10800	9010	57765.7
10800	7820	58017.4	10800	8420	58226.9	10800	9020	57762.1
10800	7830	58016.0	10800	8430	58240.0	10800	9030	57764.0
10800	7840	58027.4	10800	8440	58246.7	10800	9040	57770.9
10800	7850	58031.1	10800	8450	58263.3	10800	9050	57769.8
10800	7860	58023.7	10800	8460	58262.7	10800	9060	57774.5
10800	7870	58019.3	10800	8470	58259.1	10800	9070	57771.8
10800	7880	58018.6	10800	8480	58260.0	10800	9080	57774.5
10800	7890	58017.0	10800	8490	58260.2	10800	9090	57780.0
10800	7900	58025.9	10800	8500	58249.1	10800	9100	57782.5
10800	7910	58022.6	10800	8510	58242.4	10800	9110	57786.4
10800	7920	58015.7	10800	8520	58239.6	10800	9120	57790.2
10800	7930	58025.8	10800	8530	58229.2	10800	9130	57800.7
10800	7940	58018.3	10800	8540	58213.2	10800	9140	57808.2
10800	7950	58021.5	10800	8550	58197.5	10800	9150	57811.7
10800	7960	58018.1	10800	8560	58191.3	10800	9160	57825.9
10800	7970	58016.7	10800	8570	58185.9	10800	9170	57819.8
10800	7980	58018.7	10800	8580	58165.5	10800	9180	57837.1
10800	7990	58013.9	10800	8590	58149.4	10800	9190	57834.4
10800	8000	58015.7	10800	8600	58131.8	10800	9200	57832.4
10800	8010	58010.2	10800	8610	58125.2	10800	9210	57843.6
10800	8020	58008.6	10800	8620	58106.1	10800	9220	57843.4
10800	8030	58000.1	10800	8630	58068.7	10800	9230	57844.3
10800	8040	57997.4	10800	8640	58097.2	10800	9240	57842.8
10800	8050	57996.6	10800	8650	58077.1	10800	9250	57838.3
10800	8060	58000.6	10800	8660	58068.3	10800	9260	57829.6
10800	8070	57994.9	10800	8670	58059.4	10800	9270	57819.2
10800	8080	57988.2	10800	8680	58045.1	10800	9280	57809.5
10800	8090	57981.3	10800	8690	58036.7	10800	9290	57805.2

X	Y	MAG	X	Y	MAG	X	Y	MAG
10800	9300	57791.9	10800	9900	57825.3	10800	10500	57925.8
10800	9310	57782.7	10800	9910	57835.5	10800	10510	57921.5
10800	9320	57768.4	10800	9920	57840.0	10800	10520	57923.6
10800	9330	57752.4	10800	9930	57846.8	10800	10530	57917.2
10800	9340	57740.8	10800	9940	57856.2	10800	10540	57911.0
10800	9350	57726.6	10800	9950	57853.5	10800	10550	57911.4
10800	9360	57733.6	10800	9960	57858.8	10800	10560	57908.1
10800	9370	57698.3	10800	9970	57863.1	10800	10570	57916.7
10800	9380	57684.0	10800	9980	57865.3	10800	10580	57909.5
10800	9390	57691.0	10800	9990	57863.9	10800	10590	57902.4
10800	9400	57687.5	10800	10000	57873.2	10800	10600	57917.2
10800	9410	57684.7	10800	10010	57861.5	10800	10610	57927.3
10800	9420	57671.2	10800	10020	57857.8	10800	10620	57945.4
10800	9430	57664.9	10800	10030	57859.3	10800	10630	57948.6
10800	9440	57655.4	10800	10040	57862.8	10800	10640	57955.9
10800	9450	57653.5	10800	10050	57864.3	10800	10650	57964.9
10800	9460	57646.5	10800	10060	57864.0	10800	10660	57971.3
10800	9470	57645.5	10800	10070	57865.5	10800	10670	57996.8
10800	9480	57652.0	10800	10080	57856.0	10800	10680	58016.6
10800	9490	57653.5	10800	10090	57854.3	10800	10690	58046.1
10800	9500	57663.6	10800	10100	57888.6	10800	10700	58062.4
10800	9510	57666.2	10800	10110	57887.5	10800	10710	58079.5
10800	9520	57670.8	10800	10120	57882.0	10800	10720	58098.1
10800	9530	57672.0	10800	10130	57894.2	10800	10730	58121.4
10800	9540	57678.2	10800	10140	57899.7	10800	10740	58147.2
10800	9550	57686.6	10800	10150	57895.9	10800	10750	58176.9
10800	9560	57687.4	10800	10160	57902.3	10800	10760	58206.1
10800	9570	57691.5	10800	10170	57921.4	10800	10770	58239.0
10800	9580	57699.3	10800	10180	57929.8	10800	10780	58269.9
10800	9590	57709.4	10800	10190	57938.2	10800	10790	58291.2
10800	9600	57711.8	10800	10200	57941.6	10800	10800	58318.6
10800	9610	57718.2	10800	10210	57951.5	10800	10810	58345.4
10800	9620	57725.2	10800	10220	57955.1	10800	10820	58382.3
10800	9630	57719.3	10800	10230	57973.5	10800	10830	58415.4
10800	9640	57726.2	10800	10240	57984.4	10800	10840	58451.8
10800	9650	57726.5	10800	10250	57993.5	10800	10850	58471.2
10800	9660	57731.5	10800	10260	58000.3	10800	10860	58528.3
10800	9670	57735.2	10800	10270	58000.6	10800	10870	58550.6
10800	9680	57734.7	10800	10280	58003.6	10800	10880	58582.1
10800	9690	57739.8	10800	10290	58010.2	10800	10890	58625.3
10800	9700	57739.5	10800	10300	58012.3	10800	10900	58659.5
10800	9710	57734.5	10800	10310	58013.5	10800	10910	58705.7
10800	9720	57740.9	10800	10320	58015.4	10800	10920	58749.3
10800	9730	57748.2	10800	10330	58025.4	10800	10930	58773.7
10800	9740	57745.5	10800	10340	58018.6	10800	10940	58801.0
10800	9750	57741.1	10800	10350	58021.9	10800	10950	58824.4
10800	9760	57740.5	10800	10360	58015.4	10800	10960	58847.8
10800	9770	57742.7	10800	10370	58008.7	10800	10970	58875.3
10800	9780	57747.4	10800	10380	57990.5	10800	10980	58880.3
10800	9790	57756.1	10800	10390	57995.4	10800	10990	58902.9
10800	9800	57767.5	10800	10400	57989.2	10800	11000	58913.4
10800	9810	57772.1	10800	10410	57983.2	10800	11010	58923.5
10800	9820	57771.7	10800	10420	57977.1	10800	11020	58943.6
10800	9830	57770.8	10800	10430	57950.0	10800	11030	58959.8
10800	9840	57781.4	10800	10440	57950.4	10800	11040	58977.0
10800	9850	57790.5	10800	10450	57946.1	10800	11050	58995.6
10800	9860	57800.4	10800	10460	57937.9	10800	11060	59021.5
10800	9870	57803.7	10800	10470	57939.9	10800	11070	59045.4
10800	9880	57807.6	10800	10480	57931.9	10800	11080	59076.0
10800	9890	57814.0	10800	10490	57931.3	10800	11090	59109.9

X	Y	MAG	X	Y	MAG	X	Y	MAG
10800	11100	59153.0	10800	11700	60764.3	10800	12300	58935.3
10800	11110	59205.9	10800	11710	60754.2	10800	12310	58914.8
10800	11120	59256.8	10800	11720	60740.9	10800	12320	58895.6
10800	11130	59310.5	10800	11730	60724.0	10800	12330	58887.3
10800	11140	59368.8	10800	11740	60698.8	10800	12340	58875.1
10800	11150	59422.3	10800	11750	60680.6	10800	12350	58859.7
10800	11160	59467.3	10800	11760	60667.8	10800	12360	58841.5
10800	11170	59517.6	10800	11770	60634.8	10800	12370	58836.4
10800	11180	59547.7	10800	11780	60610.3	10800	12380	58825.9
10800	11190	59565.8	10800	11790	60582.8	10800	12390	58812.1
10800	11200	59586.3	10800	11800	60557.3	10800	12400	58800.5
10800	11210	59603.1	10800	11810	60521.7	10800	12410	58790.6
10800	11220	59609.9	10800	11820	60495.8	10800	12420	58776.8
10800	11230	59610.8	10800	11830	60463.5	10800	12430	58768.4
10800	11240	59607.2	10800	11840	60440.9	10800	12440	58760.0
10800	11250	59604.5	10800	11850	60414.8	10800	12450	58748.9
10800	11260	59598.8	10800	11860	60385.7	10800	12460	58742.8
10800	11270	59601.0	10800	11870	60359.3	10800	12470	58726.0
10800	11280	59598.0	10800	11880	60327.5	10800	12480	58721.5
10800	11290	59600.4	10800	11890	60294.2	10800	12490	58713.7
10800	11300	59621.4	10800	11900	60266.5	10800	12500	58711.0
10800	11310	59653.2	10800	11910	60226.3	10800	12510	58700.4
10800	11320	59711.7	10800	11920	60192.3	10800	12520	58691.8
10800	11330	59774.1	10800	11930	60156.5	10800	12530	58692.7
10800	11340	59837.8	10800	11940	60115.9	10800	12540	58686.3
10800	11350	59926.6	10800	11950	60077.3	10800	12550	58677.0
10800	11360	60010.7	10800	11960	60035.5	10800	12560	58669.4
10800	11370	60090.1	10800	11970	60002.9	10800	12570	58663.6
10800	11380	60160.3	10800	11980	59955.1	10800	12580	58649.8
10800	11390	60235.3	10800	11990	59900.4	10800	12590	58646.3
10800	11400	60294.7	10800	12000	59861.1	10800	12600	58642.1
10800	11410	60341.0	10800	12010	59841.7	10800	12610	58642.5
10800	11420	60398.7	10800	12020	59798.4	10800	12620	58636.3
10800	11430	60451.3	10800	12030	59745.2	10800	12630	58631.4
10800	11440	60493.3	10800	12040	59701.8	10800	12640	58632.1
10800	11450	60522.6	10800	12050	59657.5	10800	12650	58624.4
10800	11460	60548.6	10800	12060	59617.5	10800	12660	58622.5
10800	11470	60573.9	10800	12070	59580.4	10800	12670	58619.5
10800	11480	60584.4	10800	12080	59542.3	10800	12680	58626.2
10800	11490	60588.1	10800	12090	59495.3	10800	12690	58619.4
10800	11500	60588.9	10800	12100	59462.0	10800	12700	58625.7
10800	11510	60583.3	10800	12110	59418.8	10800	12710	58619.2
10800	11520	60571.3	10800	12120	59387.7	10800	12720	58617.0
10800	11530	60578.5	10800	12130	59352.2	10800	12730	58604.2
10800	11540	60579.0	10800	12140	59321.0	10800	12740	58605.2
10800	11550	60581.1	10800	12150	59282.1	10800	12750	58591.4
10800	11560	60609.0	10800	12160	59295.5	10800	12760	58583.4
10800	11570	60633.2	10800	12170	59224.6	10800	12770	58574.8
10800	11580	60660.4	10800	12180	59191.8	10800	12780	58572.5
10800	11590	60687.4	10800	12190	59164.8	10800	12790	58572.7
10800	11600	60709.7	10800	12200	59130.0	10800	12800	58568.1
10800	11610	60715.1	10800	12210	59104.7	10800	12810	58560.6
10800	11620	60733.6	10800	12220	59073.5	10800	12820	58553.2
10800	11630	60755.0	10800	12230	59065.9	10800	12830	58548.3
10800	11640	60759.7	10800	12240	59045.3	10800	12840	58544.0
10800	11650	60764.1	10800	12250	59026.7	10800	12850	58547.6
10800	11660	60774.6	10800	12260	59004.5	10800	12860	58530.3
10800	11670	60778.4	10800	12270	58989.0	10800	12870	58517.3
10800	11680	60778.3	10800	12280	58971.4	10800	12880	58507.3
10800	11690	60772.0	10800	12290	58953.3	10800	12890	58489.6

X	Y	MAG	X	Y	MAG	X	Y	MAG
10800	12900	58482.8	10800	13500	58341.5			
10800	12910	58479.2	10800	13510	58343.0			
10800	12920	58473.4	10800	13520	58343.4			
10800	12930	58468.6	10800	13530	58351.4			
10800	12940	58464.6	10800	13540	58353.7			
10800	12950	58458.3	10800	13550	58355.4			
10800	12960	58445.8	10800	13560	58351.1			
10800	12970	58439.7	10800	13570	58343.1			
10800	12980	58439.0	10800	13580	58343.5			
10800	12990	58426.8	10800	13590	58336.7			
10800	13000	58421.6	10800	13600	58333.4			
10800	13010	58422.0	10800	13610	58334.3			
10800	13020	58420.5	10800	13620	58332.6			
10800	13030	58415.9	10800	13630	58324.5			
10800	13040	58401.0	10800	13640	58326.2			
10800	13050	58399.9	10800	13650	58331.9			
10800	13060	58392.7	10800	13660	58316.7			
10800	13070	58390.5	10800	13670	58322.1			
10800	13080	58389.6	10800	13680	58322.5			
10800	13090	58379.2	10800	13690	58323.2			
10800	13100	58377.9	10800	13700	58319.1			
10800	13110	58372.9	10800	13710	58324.7			
10800	13120	58366.3	10800	13720	58324.1			
10800	13130	58369.1	10800	13730	58320.8			
10800	13140	58357.2	10800	13740	58312.1			
10800	13150	58360.4	10800	13750	58304.8			
10800	13160	58362.3	10800	13760	58304.2			
10800	13170	58352.7	10800	13770	58309.9			
10800	13180	58360.4	10800	13780	58319.8			
10800	13190	58378.8	10800	13790	58315.4			
10800	13200	58364.6	10800	13800	58312.7			
10800	13210	58355.7						
10800	13220	58356.6						
10800	13230	58352.6						
10800	13240	58356.8						
10800	13250	58342.3						
10800	13260	58334.8						
10800	13270	58328.8						
10800	13280	58333.0						
10800	13290	58332.3						
10800	13300	58325.6						
10800	13310	58328.1						
10800	13320	58331.1						
10800	13330	58339.0						
10800	13340	58341.9						
10800	13350	58336.3						
10800	13360	58332.5						
10800	13370	58329.8						
10800	13380	58324.6						
10800	13390	58322.7						
10800	13400	58324.2						
10800	13410	58330.8						
10800	13420	58328.0						
10800	13430	58321.0						
10800	13440	58321.8						
10800	13450	58320.3						
10800	13460	58328.7						
10800	13470	58328.6						
10800	13480	58332.7						
10800	13490	58331.4						

X	Y	MAG	X	Y	MAG	X	Y	MAG
11600	7500	58284.4	11600	8100	58392.5	11600	8700	58125.0
11600	7510	58272.2	11600	8110	58381.4	11600	8710	58122.4
11600	7520	58272.6	11600	8120	58366.2	11600	8720	58119.1
11600	7530	58268.5	11600	8130	58367.4	11600	8730	58121.3
11600	7540	58260.0	11600	8140	58349.2	11600	8740	58120.3
11600	7550	58256.3	11600	8150	58342.3	11600	8750	58102.9
11600	7560	58246.1	11600	8160	58341.9	11600	8760	58099.4
11600	7570	58253.7	11600	8170	58331.9	11600	8770	58092.1
11600	7580	58258.8	11600	8180	58322.8	11600	8780	58100.2
11600	7590	58265.7	11600	8190	58309.5	11600	8790	58096.9
11600	7600	58272.5	11600	8200	58298.8	11600	8800	58089.6
11600	7610	58279.4	11600	8210	58294.4	11600	8810	58092.8
11600	7620	58299.5	11600	8220	58285.0	11600	8820	58089.2
11600	7630	58327.6	11600	8230	58277.4	11600	8830	58093.2
11600	7640	58364.8	11600	8240	58275.6	11600	8840	58097.4
11600	7650	58388.9	11600	8250	58279.5	11600	8850	58104.0
11600	7660	58416.4	11600	8260	58275.8	11600	8860	58099.2
11600	7670	58442.2	11600	8270	58271.3	11600	8870	58106.0
11600	7680	58468.2	11600	8280	58278.7	11600	8880	58111.6
11600	7690	58488.4	11600	8290	58288.2	11600	8890	58113.4
11600	7700	58500.4	11600	8300	58280.8	11600	8900	58120.4
11600	7710	58518.3	11600	8310	58287.3	11600	8910	58127.3
11600	7720	58536.0	11600	8320	58282.3	11600	8920	58141.6
11600	7730	58540.2	11600	8330	58290.6	11600	8930	58158.2
11600	7740	58557.7	11600	8340	58298.4	11600	8940	58158.0
11600	7750	58559.8	11600	8350	58288.4	11600	8950	58154.8
11600	7760	58566.0	11600	8360	58281.7	11600	8960	58158.3
11600	7770	58570.8	11600	8370	58283.9	11600	8970	58183.8
11600	7780	58582.6	11600	8380	58275.5	11600	8980	58193.5
11600	7790	58565.7	11600	8390	58263.8	11600	8990	58199.1
11600	7800	58564.9	11600	8400	58253.4	11600	9000	58200.1
11600	7810	58556.1	11600	8410	58255.1	11600	9010	58202.8
11600	7820	58553.8	11600	8420	58252.0	11600	9020	58210.5
11600	7830	58551.6	11600	8430	58243.3	11600	9030	58206.9
11600	7840	58546.1	11600	8440	58229.2	11600	9040	58195.9
11600	7850	58537.0	11600	8450	58226.4	11600	9050	58191.7
11600	7860	58548.7	11600	8460	58221.9	11600	9060	58188.9
11600	7870	58555.4	11600	8470	58210.1	11600	9070	58193.1
11600	7880	58562.8	11600	8480	58213.2	11600	9080	58184.0
11600	7890	58559.7	11600	8490	58219.4	11600	9090	58176.8
11600	7900	58555.9	11600	8500	58198.8	11600	9100	58164.4
11600	7910	58569.1	11600	8510	58199.0	11600	9110	58157.6
11600	7920	58556.9	11600	8520	58194.4	11600	9120	58143.7
11600	7930	58545.8	11600	8530	58195.8	11600	9130	58130.4
11600	7940	58555.4	11600	8540	58192.2	11600	9140	58121.5
11600	7950	58555.2	11600	8550	58181.2	11600	9150	58118.5
11600	7960	58528.4	11600	8560	58185.0	11600	9160	58104.4
11600	7970	58514.7	11600	8570	58179.0	11600	9170	58086.7
11600	7980	58491.6	11600	8580	58171.3	11600	9180	58070.7
11600	7990	58481.7	11600	8590	58156.2	11600	9190	58097.6
11600	8000	58472.3	11600	8600	58161.6	11600	9200	58059.2
11600	8010	58463.4	11600	8610	58159.7	11600	9210	58055.6
11600	8020	58454.3	11600	8620	58144.7	11600	9220	58063.0
11600	8030	58446.0	11600	8630	58145.2	11600	9230	58027.0
11600	8040	58441.6	11600	8640	58142.5	11600	9240	58039.8
11600	8050	58435.4	11600	8650	58136.3	11600	9250	58025.8
11600	8060	58427.7	11600	8660	58138.5	11600	9260	58028.4
11600	8070	58419.5	11600	8670	58129.2	11600	9270	58021.6
11600	8080	58416.9	11600	8680	58132.0	11600	9280	58039.5
11600	8090	58407.6	11600	8690	58125.9	11600	9290	58026.6

X	Y	MAG	X	Y	MAG	X	Y	MAG
11600	9300	58022.4	11600	9900	58179.0	11600	10500	58008.9
11600	9310	58025.8	11600	9910	58161.2	11600	10510	57991.7
11600	9320	58026.5	11600	9920	58150.0	11600	10520	57972.5
11600	9330	58020.7	11600	9930	58147.9	11600	10530	57967.1
11600	9340	58024.9	11600	9940	58148.4	11600	10540	57952.8
11600	9350	58017.5	11600	9950	58144.0	11600	10550	57932.4
11600	9360	58014.4	11600	9960	58143.0	11600	10560	57918.4
11600	9370	58016.5	11600	9970	58138.3	11600	10570	57901.8
11600	9380	58018.4	11600	9980	58126.5	11600	10580	57884.0
11600	9390	58004.8	11600	9990	58120.1	11600	10590	57877.5
11600	9400	57990.0	11600	10000	58120.3	11600	10600	57860.6
11600	9410	57987.0	11600	10010	58107.3	11600	10610	57852.4
11600	9420	57978.9	11600	10020	58106.3	11600	10620	57841.1
11600	9430	57987.5	11600	10030	58098.7	11600	10630	57841.5
11600	9440	57983.3	11600	10040	58095.2	11600	10640	57842.8
11600	9450	57971.2	11600	10050	58089.1	11600	10650	57846.7
11600	9460	57974.5	11600	10060	58085.4	11600	10660	57833.1
11600	9470	57974.9	11600	10070	58087.4	11600	10670	57828.9
11600	9480	57974.6	11600	10080	58090.0	11600	10680	57823.3
11600	9490	57983.2	11600	10090	58087.8	11600	10690	57820.4
11600	9500	57982.5	11600	10100	58096.1	11600	10700	57797.8
11600	9510	57984.9	11600	10110	58093.1	11600	10710	57815.5
11600	9520	57981.3	11600	10120	58081.7	11600	10720	57803.8
11600	9530	57986.1	11600	10130	58089.9	11600	10730	57804.8
11600	9540	57993.3	11600	10140	58078.5	11600	10740	57808.6
11600	9550	58000.6	11600	10150	58078.5	11600	10750	57802.3
11600	9560	58003.6	11600	10160	58080.0	11600	10760	57825.7
11600	9570	58006.8	11600	10170	58076.0	11600	10770	57833.0
11600	9580	58018.5	11600	10180	58077.1	11600	10780	57841.1
11600	9590	58023.9	11600	10190	58067.4	11600	10790	57850.7
11600	9600	58024.9	11600	10200	58082.9	11600	10800	57841.4
11600	9610	58025.3	11600	10210	58072.7	11600	10810	57855.7
11600	9620	58034.2	11600	10220	58065.8	11600	10820	57860.0
11600	9630	58046.9	11600	10230	58057.7	11600	10830	57878.2
11600	9640	58050.4	11600	10240	58056.8	11600	10840	57893.7
11600	9650	58052.8	11600	10250	58061.4	11600	10850	57913.8
11600	9660	58053.2	11600	10260	58059.4	11600	10860	57937.3
11600	9670	58055.2	11600	10270	58059.5	11600	10870	57947.2
11600	9680	58070.9	11600	10280	58063.4	11600	10880	57956.4
11600	9690	58077.4	11600	10290	58068.9	11600	10890	57977.7
11600	9700	58084.4	11600	10300	58087.8	11600	10900	57975.8
11600	9710	58098.5	11600	10310	58077.9	11600	10910	57982.3
11600	9720	58112.9	11600	10320	58102.0	11600	10920	57983.8
11600	9730	58115.1	11600	10330	58095.0	11600	10930	57992.2
11600	9740	58124.6	11600	10340	58104.0	11600	10940	58009.0
11600	9750	58133.6	11600	10350	58121.6	11600	10950	58024.9
11600	9760	58146.6	11600	10360	58131.8	11600	10960	58033.5
11600	9770	58155.3	11600	10370	58148.5	11600	10970	58044.8
11600	9780	58160.3	11600	10380	58164.8	11600	10980	58047.2
11600	9790	58164.5	11600	10390	58166.6	11600	10990	58058.4
11600	9800	58177.4	11600	10400	58168.9	11600	11000	58060.5
11600	9810	58181.5	11600	10410	58158.7	11600	11010	58077.0
11600	9820	58187.2	11600	10420	58133.6	11600	11020	58078.3
11600	9830	58192.0	11600	10430	58118.7	11600	11030	58092.0
11600	9840	58191.2	11600	10440	58109.9	11600	11040	58098.2
11600	9850	58185.1	11600	10450	58106.1	11600	11050	58103.5
11600	9860	58194.4	11600	10460	58079.0	11600	11060	58111.2
11600	9870	58191.7	11600	10470	58068.9	11600	11070	58121.5
11600	9880	58187.8	11600	10480	58046.2	11600	11080	58141.6
11600	9890	58186.1	11600	10490	58030.0	11600	11090	58169.2

X	Y	MAG	X	Y	MAG	X	Y	MAG
11600	11100	58177.6	11600	11700	59215.9	11600	12300	59023.5
11600	11110	58202.5	11600	11710	59190.5	11600	12310	58982.8
11600	11120	58229.5	11600	11720	59159.4	11600	12320	58924.7
11600	11130	58263.0	11600	11730	59143.2	11600	12330	58921.7
11600	11140	58301.9	11600	11740	59107.2	11600	12340	58933.0
11600	11150	58320.1	11600	11750	59086.0	11600	12350	58897.3
11600	11160	58346.5	11600	11760	59063.9	11600	12360	58862.4
11600	11170	58363.8	11600	11770	59037.2	11600	12370	58855.2
11600	11180	58395.9	11600	11780	58999.6	11600	12380	58824.2
11600	11190	58420.5	11600	11790	58982.8	11600	12390	58799.5
11600	11200	58442.1	11600	11800	58972.3	11600	12400	58781.0
11600	11210	58466.7	11600	11810	58953.6	11600	12410	58780.0
11600	11220	58494.2	11600	11820	58941.7	11600	12420	58756.8
11600	11230	58526.3	11600	11830	58937.5	11600	12430	58756.8
11600	11240	58547.6	11600	11840	58938.6	11600	12440	58713.7
11600	11250	58566.6	11600	11850	58924.6	11600	12450	58717.0
11600	11260	58575.2	11600	11860	58921.7	11600	12460	58697.3
11600	11270	58579.4	11600	11870	58909.8	11600	12470	58674.6
11600	11280	58593.7	11600	11880	58907.8	11600	12480	58653.1
11600	11290	58610.9	11600	11890	58912.4	11600	12490	58648.7
11600	11300	58630.5	11600	11900	58915.5	11600	12500	58618.2
11600	11310	58647.3	11600	11910	58912.8	11600	12510	58608.0
11600	11320	58678.6	11600	11920	58923.7	11600	12520	58589.6
11600	11330	58695.7	11600	11930	58942.1	11600	12530	58589.3
11600	11340	58711.7	11600	11940	58964.3	11600	12540	58574.3
11600	11350	58734.6	11600	11950	58984.5	11600	12550	58540.5
11600	11360	58763.0	11600	11960	59000.2	11600	12560	58556.4
11600	11370	58787.7	11600	11970	59010.0	11600	12570	58543.0
11600	11380	58811.9	11600	11980	59030.0	11600	12580	58521.3
11600	11390	58835.1	11600	11990	59056.9	11600	12590	58511.7
11600	11400	58860.5	11600	12000	59064.1	11600	12600	58481.3
11600	11410	58890.0	11600	12010	59096.8	11600	12610	58474.5
11600	11420	58918.3	11600	12020	59117.8	11600	12620	58457.1
11600	11430	58942.7	11600	12030	59160.5	11600	12630	58460.7
11600	11440	58971.6	11600	12040	59194.6	11600	12640	58458.1
11600	11450	59000.6	11600	12050	59216.0	11600	12650	58455.5
11600	11460	59031.1	11600	12060	59228.5	11600	12660	58441.6
11600	11470	59058.0	11600	12070	59239.8	11600	12670	58434.7
11600	11480	59084.5	11600	12080	59253.2	11600	12680	58430.1
11600	11490	59104.1	11600	12090	59262.6	11600	12690	58434.9
11600	11500	59141.4	11600	12100	59260.4	11600	12700	58426.7
11600	11510	59176.2	11600	12110	59237.5	11600	12710	58448.3
11600	11520	59201.8	11600	12120	59239.2	11600	12720	58449.2
11600	11530	59229.5	11600	12130	59231.5	11600	12730	58440.9
11600	11540	59256.5	11600	12140	59231.1	11600	12740	58450.5
11600	11550	59270.1	11600	12150	59248.8	11600	12750	58445.3
11600	11560	59288.2	11600	12160	59259.7	11600	12760	58464.6
11600	11570	59306.6	11600	12170	59246.3	11600	12770	58472.1
11600	11580	59318.5	11600	12180	59234.7	11600	12780	58478.8
11600	11590	59330.4	11600	12190	59199.6	11600	12790	58440.1
11600	11600	59335.3	11600	12200	59189.4	11600	12800	58456.9
11600	11610	59331.0	11600	12210	59199.9	11600	12810	58440.0
11600	11620	59337.3	11600	12220	59175.0	11600	12820	58434.1
11600	11630	59340.8	11600	12230	59152.6	11600	12830	58431.8
11600	11640	59326.4	11600	12240	59134.6	11600	12840	58412.2
11600	11650	59313.8	11600	12250	59108.9	11600	12850	58403.8
11600	11660	59301.3	11600	12260	59097.9	11600	12860	58379.5
11600	11670	59280.5	11600	12270	59046.9	11600	12870	58360.9
11600	11680	59263.5	11600	12280	59050.8	11600	12880	58346.2
11600	11690	59234.9	11600	12290	59033.2	11600	12890	58344.5

X	Y	MAG	X	Y	MAG	X	Y	MAG
11600	12900	58326.4	11600	13500	57680.5			
11600	12910	58313.6	11600	13510	57712.2			
11600	12920	58300.9	11600	13520	57754.3			
11600	12930	58303.0	11600	13530	57806.9			
11600	12940	58263.7	11600	13540	57858.7			
11600	12950	58270.9	11600	13550	57908.9			
11600	12960	58275.6	11600	13560	58008.6			
11600	12970	58263.1	11600	13570	58099.3			
11600	12980	58269.4	11600	13580	58235.7			
11600	12990	58248.4	11600	13590	58362.7			
11600	13000	58241.7	11600	13600	58515.6			
11600	13010	58259.3	11600	13610	58651.5			
11600	13020	58251.0	11600	13620	58850.3			
11600	13030	58240.8	11600	13630	59038.6			
11600	13040	58249.3	11600	13640	59252.7			
11600	13050	58243.8	11600	13650	59473.7			
11600	13060	58239.4	11600	13660	59683.3			
11600	13070	58231.6	11600	13670	59901.7			
11600	13080	58233.6	11600	13680	60084.9			
11600	13090	58233.3	11600	13690	60256.7			
11600	13100	58229.2	11600	13700	60401.3			
11600	13110	58229.5	11600	13710	60495.6			
11600	13120	58217.8	11600	13720	60598.5			
11600	13130	58202.4	11600	13730	60668.1			
11600	13140	58190.9	11600	13740	60677.0			
11600	13150	58192.2	11600	13750	60674.2			
11600	13160	58181.2	11600	13760	60666.1			
11600	13170	58176.2	11600	13770	60634.8			
11600	13180	58169.0	11600	13780	60585.2			
11600	13190	58166.3	11600	13790	60507.3			
11600	13200	58107.8	11600	13800	60427.6			
11600	13210	58126.6	11600	13810	60384.9			
11600	13220	58127.8	11600	13820	60274.6			
11600	13230	58095.6	11600	13830	60185.7			
11600	13240	58090.0	11600	13840	60088.4			
11600	13250	58087.3	11600	13850	60004.5			
11600	13260	58073.5	11600	13860	59922.2			
11600	13270	58060.4	11600	13870	59852.9			
11600	13280	58042.6	11600	13880	59793.2			
11600	13290	58017.4	11600	13890	59728.6			
11600	13300	58007.3	11600	13900	59690.0			
11600	13310	57974.7						
11600	13320	57958.1						
11600	13330	57930.5						
11600	13340	57915.8						
11600	13350	57882.4						
11600	13360	57860.5						
11600	13370	57846.3						
11600	13380	57800.5						
11600	13390	57794.9						
11600	13400	57776.0						
11600	13410	57746.2						
11600	13420	57711.5						
11600	13430	57691.1						
11600	13440	57686.8						
11600	13450	57663.0						
11600	13460	57659.2						
11600	13470	57667.4						
11600	13480	57667.9						
11600	13490	57674.0						

X	Y	MAG	X	Y	MAG	X	Y	MAG	0067
12700	7500	58167.2	12700	8100	58215.6	12700	8700	57899.9	
12700	7510	58181.5	12700	8110	58236.8	12700	8710	57895.8	
12700	7520	58199.3	12700	8120	58222.0	12700	8720	57899.3	
12700	7530	58206.6	12700	8130	58214.3	12700	8730	57915.8	
12700	7540	58218.5	12700	8140	58223.4	12700	8740	57915.2	
12700	7550	58224.9	12700	8150	58224.8	12700	8750	57923.5	
12700	7560	58242.0	12700	8160	58236.7	12700	8760	57936.5	
12700	7570	58255.9	12700	8170	58232.4	12700	8770	57951.6	
12700	7580	58257.3	12700	8180	58228.7	12700	8780	57965.3	
12700	7590	58267.7	12700	8190	58222.8	12700	8790	57971.6	
12700	7600	58280.7	12700	8200	58226.3	12700	8800	57983.7	
12700	7610	58272.3	12700	8210	58218.6	12700	8810	57994.4	
12700	7620	58275.8	12700	8220	58216.4	12700	8820	58004.3	
12700	7630	58275.6	12700	8230	58204.9	12700	8830	58014.8	
12700	7640	58272.5	12700	8240	58190.0	12700	8840	58022.6	
12700	7650	58275.0	12700	8250	58187.1	12700	8850	58029.5	
12700	7660	58273.7	12700	8260	58175.3	12700	8860	58024.2	
12700	7670	58270.8	12700	8270	58166.0	12700	8870	58024.8	
12700	7680	58274.8	12700	8280	58158.9	12700	8880	58021.1	
12700	7690	58264.6	12700	8290	58148.0	12700	8890	58017.7	
12700	7700	58259.8	12700	8300	58138.4	12700	8900	58013.1	
12700	7710	58264.8	12700	8310	58133.9	12700	8910	58018.6	
12700	7720	58245.3	12700	8320	58108.8	12700	8920	58020.5	
12700	7730	58242.8	12700	8330	58101.9	12700	8930	58018.6	
12700	7740	58245.2	12700	8340	58087.0	12700	8940	58003.2	
12700	7750	58243.5	12700	8350	58082.3	12700	8950	58001.0	
12700	7760	58233.8	12700	8360	58077.8	12700	8960	58002.0	
12700	7770	58228.1	12700	8370	58069.3	12700	8970	57988.5	
12700	7780	58233.1	12700	8380	58055.7	12700	8980	57991.5	
12700	7790	58224.0	12700	8390	58035.5	12700	8990	57993.0	
12700	7800	58220.3	12700	8400	58029.2	12700	9000	57993.9	
12700	7810	58224.7	12700	8410	58025.7	12700	9010	57998.9	
12700	7820	58217.6	12700	8420	58013.4	12700	9020	58001.5	
12700	7830	58223.1	12700	8430	58004.6	12700	9030	58000.7	
12700	7840	58231.0	12700	8440	57988.8	12700	9040	57995.2	
12700	7850	58222.0	12700	8450	57972.3	12700	9050	57999.8	
12700	7860	58227.3	12700	8460	57964.9	12700	9060	58000.8	
12700	7870	58237.6	12700	8470	57954.5	12700	9070	58010.6	
12700	7880	58243.2	12700	8480	57961.1	12700	9080	58002.1	
12700	7890	58248.4	12700	8490	57946.9	12700	9090	58046.3	
12700	7900	58248.3	12700	8500	57924.6	12700	9100	58033.0	
12700	7910	58251.9	12700	8510	57938.3	12700	9110	58037.3	
12700	7920	58249.5	12700	8520	57911.8	12700	9120	58036.7	
12700	7930	58253.6	12700	8530	57913.5	12700	9130	58034.7	
12700	7940	58249.6	12700	8540	57899.6	12700	9140	58037.5	
12700	7950	58251.8	12700	8550	57894.5	12700	9150	58047.4	
12700	7960	58259.9	12700	8560	57890.6	12700	9160	58045.6	
12700	7970	58262.2	12700	8570	57890.1	12700	9170	58050.3	
12700	7980	58253.6	12700	8580	57889.4	12700	9180	58059.3	
12700	7990	58253.8	12700	8590	57888.9	12700	9190	58054.0	
12700	8000	58252.4	12700	8600	57889.0	12700	9200	58066.5	
12700	8010	58242.3	12700	8610	57893.8	12700	9210	58064.5	
12700	8020	58233.5	12700	8620	57896.3	12700	9220	58067.3	
12700	8030	58236.8	12700	8630	57899.0	12700	9230	58058.4	
12700	8040	58223.9	12700	8640	57896.9	12700	9240	58047.6	
12700	8050	58225.3	12700	8650	57899.1	12700	9250	58052.6	
12700	8060	58226.0	12700	8660	57891.7	12700	9260	58052.2	
12700	8070	58216.8	12700	8670	57901.3	12700	9270	58032.4	
12700	8080	58212.1	12700	8680	57900.5	12700	9280	58041.7	
12700	8090	58214.7	12700	8690	57895.2	12700	9290	58053.1	

X	Y	MAG	X	Y	MAG	X	Y	MAG
12700	9300	58039.7	12700	9900	57991.7	12700	10500	57937.1
12700	9310	58027.9	12700	9910	57978.0	12700	10510	57941.2
12700	9320	58021.1	12700	9920	57968.4	12700	10520	57955.6
12700	9330	58020.0	12700	9930	57959.2	12700	10530	57971.4
12700	9340	58014.0	12700	9940	57967.0	12700	10540	57971.7
12700	9350	58008.7	12700	9950	57961.7	12700	10550	57967.7
12700	9360	58000.2	12700	9960	57980.6	12700	10560	57975.1
12700	9370	58002.2	12700	9970	57943.5	12700	10570	57966.0
12700	9380	58000.3	12700	9980	57932.8	12700	10580	57976.5
12700	9390	57998.2	12700	9990	57923.9	12700	10590	57959.2
12700	9400	57996.4	12700	10000	57937.6	12700	10600	57962.9
12700	9410	58001.7	12700	10010	57945.8	12700	10610	58003.2
12700	9420	58003.9	12700	10020	57944.5	12700	10620	58016.7
12700	9430	58003.6	12700	10030	57930.9	12700	10630	57978.3
12700	9440	58006.4	12700	10040	57918.7	12700	10640	58032.6
12700	9450	58021.7	12700	10050	57917.9	12700	10650	58043.3
12700	9460	58017.7	12700	10060	57904.2	12700	10660	58062.3
12700	9470	58010.7	12700	10070	57888.3	12700	10670	58084.8
12700	9480	58018.4	12700	10080	57871.3	12700	10680	58097.4
12700	9490	58039.0	12700	10090	57873.7	12700	10690	58118.9
12700	9500	58041.1	12700	10100	57880.3	12700	10700	58146.7
12700	9510	58036.5	12700	10110	57874.2	12700	10710	58171.2
12700	9520	58022.5	12700	10120	57856.9	12700	10720	58221.5
12700	9530	58030.4	12700	10130	57872.4	12700	10730	58212.3
12700	9540	58032.7	12700	10140	57865.4	12700	10740	58256.6
12700	9550	58033.4	12700	10150	57851.6	12700	10750	58319.6
12700	9560	58029.2	12700	10160	57870.9	12700	10760	58373.5
12700	9570	58029.2	12700	10170	57866.9	12700	10770	58423.3
12700	9580	58020.0	12700	10180	57862.4	12700	10780	58479.8
12700	9590	58012.1	12700	10190	57811.3	12700	10790	58517.6
12700	9600	58005.9	12700	10200	57841.2	12700	10800	58562.6
12700	9610	58009.3	12700	10210	57849.2	12700	10810	58574.9
12700	9620	57985.8	12700	10220	57858.7	12700	10820	58579.4
12700	9630	57996.9	12700	10230	57864.5	12700	10830	58598.9
12700	9640	58003.2	12700	10240	57848.7	12700	10840	58612.5
12700	9650	58004.4	12700	10250	57840.5	12700	10850	58617.2
12700	9660	58008.0	12700	10260	57859.7	12700	10860	58623.5
12700	9670	58003.3	12700	10270	57851.9	12700	10870	58628.1
12700	9680	57996.4	12700	10280	57859.7	12700	10880	58628.1
12700	9690	58005.8	12700	10290	57831.0	12700	10890	58620.6
12700	9700	58011.8	12700	10300	57851.5	12700	10900	58597.2
12700	9710	58005.0	12700	10310	57857.7	12700	10910	58631.9
12700	9720	58006.1	12700	10320	57901.8	12700	10920	58642.5
12700	9730	58006.5	12700	10330	57928.0	12700	10930	58649.0
12700	9740	58006.0	12700	10340	57920.2	12700	10940	58655.7
12700	9750	58009.4	12700	10350	57920.7	12700	10950	58649.5
12700	9760	58002.7	12700	10360	57873.7	12700	10960	58666.9
12700	9770	57991.8	12700	10370	57919.9	12700	10970	58684.9
12700	9780	57993.2	12700	10380	57933.9	12700	10980	58708.8
12700	9790	57981.9	12700	10390	57918.4	12700	10990	58713.7
12700	9800	57989.5	12700	10400	57899.9	12700	11000	58716.3
12700	9810	58006.6	12700	10410	57925.5	12700	11010	58727.3
12700	9820	57995.0	12700	10420	57904.7	12700	11020	58733.7
12700	9830	57993.0	12700	10430	57916.8	12700	11030	58735.6
12700	9840	57997.3	12700	10440	57931.4	12700	11040	58722.5
12700	9850	58011.6	12700	10450	57922.0	12700	11050	58672.9
12700	9860	58001.3	12700	10460	57916.4	12700	11060	58678.7
12700	9870	57987.2	12700	10470	57917.2	12700	11070	58659.9
12700	9880	57985.7	12700	10480	57928.2	12700	11080	58668.0
12700	9890	57979.5	12700	10490	57939.9	12700	11090	58638.4

X	Y	MAG	X	Y	MAG	X	Y	MAG
12700	11100	58623.0	12700	11700	58307.3	12700	12300	58195.8
12700	11110	58618.4	12700	11710	58288.1	12700	12310	58203.0
12700	11120	58618.6	12700	11720	58298.4	12700	12320	58199.3
12700	11130	58618.0	12700	11730	58280.3	12700	12330	58201.7
12700	11140	58608.6	12700	11740	58271.9	12700	12340	58186.9
12700	11150	58585.9	12700	11750	58276.8	12700	12350	58190.8
12700	11160	58543.4	12700	11760	58263.4	12700	12360	58185.3
12700	11170	58516.5	12700	11770	58281.1	12700	12370	58183.9
12700	11180	58498.9	12700	11780	58262.2	12700	12380	58183.8
12700	11190	58504.7	12700	11790	58255.2	12700	12390	58180.4
12700	11200	58498.5	12700	11800	58296.0	12700	12400	58162.4
12700	11210	58480.5	12700	11810	58295.8	12700	12410	58124.3
12700	11220	58466.8	12700	11820	58300.1	12700	12420	58157.4
12700	11230	58462.1	12700	11830	58285.8	12700	12430	58157.0
12700	11240	58452.1	12700	11840	58286.1	12700	12440	58162.5
12700	11250	58460.3	12700	11850	58281.3	12700	12450	58156.3
12700	11260	58453.9	12700	11860	58266.3	12700	12460	58149.5
12700	11270	58423.2	12700	11870	58290.0	12700	12470	58146.5
12700	11280	58422.0	12700	11880	58287.1	12700	12480	58144.0
12700	11290	58408.5	12700	11890	58255.8	12700	12490	58126.7
12700	11300	58373.9	12700	11900	58273.2	12700	12500	58126.3
12700	11310	58398.6	12700	11910	58268.9	12700	12510	58131.7
12700	11320	58400.7	12700	11920	58272.0	12700	12520	58121.1
12700	11330	58391.4	12700	11930	58276.6	12700	12530	58126.6
12700	11340	58373.9	12700	11940	58280.9	12700	12540	58119.1
12700	11350	58369.7	12700	11950	58273.0	12700	12550	58103.3
12700	11360	58357.5	12700	11960	58271.9	12700	12560	58113.2
12700	11370	58358.9	12700	11970	58282.1	12700	12570	58120.2
12700	11380	58326.6	12700	11980	58279.2	12700	12580	58120.9
12700	11390	58340.4	12700	11990	58274.5	12700	12590	58123.5
12700	11400	58337.1	12700	12000	58291.5	12700	12600	58110.1
12700	11410	58314.0	12700	12010	58273.2	12700	12610	58109.3
12700	11420	58319.8	12700	12020	58249.3	12700	12620	58102.4
12700	11430	58298.5	12700	12030	58261.6	12700	12630	58097.0
12700	11440	58297.3	12700	12040	58261.1	12700	12640	58097.8
12700	11450	58278.3	12700	12050	58266.7	12700	12650	58097.5
12700	11460	58289.4	12700	12060	58260.8	12700	12660	58095.9
12700	11470	58246.0	12700	12070	58249.9	12700	12670	58079.7
12700	11480	58307.3	12700	12080	58252.2	12700	12680	58073.1
12700	11490	58305.1	12700	12090	58249.0	12700	12690	58057.6
12700	11500	58288.8	12700	12100	58264.9	12700	12700	58078.2
12700	11510	58303.2	12700	12110	58277.2	12700	12710	58087.3
12700	11520	58301.0	12700	12120	58274.6	12700	12720	58027.2
12700	11530	58298.8	12700	12130	58245.8	12700	12730	58063.2
12700	11540	58302.2	12700	12140	58252.6	12700	12740	58054.1
12700	11550	58285.1	12700	12150	58246.8	12700	12750	58058.1
12700	11560	58325.3	12700	12160	58223.6	12700	12760	58059.0
12700	11570	58312.6	12700	12170	58234.6	12700	12770	58047.1
12700	11580	58307.8	12700	12180	58241.6	12700	12780	58055.7
12700	11590	58296.7	12700	12190	58242.9	12700	12790	58056.5
12700	11600	58297.3	12700	12200	58236.4	12700	12800	58023.7
12700	11610	58314.4	12700	12210	58232.8	12700	12810	58006.1
12700	11620	58325.3	12700	12220	58207.4	12700	12820	58030.0
12700	11630	58291.8	12700	12230	58228.3	12700	12830	57988.4
12700	11640	58307.7	12700	12240	58230.2	12700	12840	58023.8
12700	11650	58314.0	12700	12250	58234.3	12700	12850	58021.3
12700	11660	58311.8	12700	12260	58235.7	12700	12860	58019.6
12700	11670	58303.9	12700	12270	58221.6	12700	12870	58032.5
12700	11680	58310.8	12700	12280	58204.2	12700	12880	58001.7
12700	11690	58281.1	12700	12290	58215.1	12700	12890	58016.3

X	Y	MAG	X	Y	MAG	X	Y	MAG
12700	12900	58017.3	12700	13500	57845.1			
12700	12910	58011.4	12700	13510	57866.3			
12700	12920	58006.7	12700	13520	57863.4			
12700	12930	58000.4	12700	13530	57857.0			
12700	12940	57992.5	12700	13540	57874.1			
12700	12950	58002.6	12700	13550	57868.5			
12700	12960	58000.8	12700	13560	57849.0			
12700	12970	57990.1	12700	13570	57871.1			
12700	12980	57991.6	12700	13580	57871.0			
12700	12990	57982.6	12700	13590	57868.6			
12700	13000	57986.2	12700	13600	57863.4			
12700	13010	57982.6	12700	13610	57875.5			
12700	13020	57983.2	12700	13620	57885.0			
12700	13030	57981.0	12700	13630	57859.1			
12700	13040	57967.9	12700	13640	57859.7			
12700	13050	57956.7	12700	13650	57885.1			
12700	13060	57960.1	12700	13660	57882.2			
12700	13070	57948.4	12700	13670	57868.5			
12700	13080	57965.6	12700	13680	57875.5			
12700	13090	57947.8	12700	13690	57873.6			
12700	13100	57937.2	12700	13700	57874.2			
12700	13110	57951.2	12700	13710	57861.4			
12700	13120	57940.1	12700	13720	57854.7			
12700	13130	57946.2	12700	13730	57848.7			
12700	13140	57945.2	12700	13740	57871.0			
12700	13150	57909.0	12700	13750	57864.3			
12700	13160	57930.4	12700	13760	57867.1			
12700	13170	57932.2	12700	13770	57872.7			
12700	13180	57935.8	12700	13780	57870.2			
12700	13190	57922.8	12700	13790	57872.3			
12700	13200	57899.6	12700	13800	57858.8			
12700	13210	57913.6	12700	13810	57859.2			
12700	13220	57906.0	12700	13820	57850.9			
12700	13230	57897.4	12700	13830	57841.6			
12700	13240	57893.1	12700	13840	57819.3			
12700	13250	57901.1	12700	13850	57838.3			
12700	13260	57895.1	12700	13860	57849.2			
12700	13270	57899.4	12700	13870	57832.7			
12700	13280	57879.9	12700	13880	57833.1			
12700	13290	57880.7	12700	13890	57827.0			
12700	13300	57850.3	12700	13900	57826.7			
12700	13310	57875.2	12700	13910	57846.9			
12700	13320	57869.2	12700	13920	57836.6			
12700	13330	57865.7	12700	13930	57844.8			
12700	13340	57852.6	12700	13940	57834.9			
12700	13350	57857.0	12700	13950	57853.5			
12700	13360	57866.8	12700	13960	57843.6			
12700	13370	57854.9	12700	13970	57856.7			
12700	13380	57855.3	12700	13980	57848.8			
12700	13390	57861.9	12700	13990	57859.8			
12700	13400	57840.4	12700	14000	57843.1			
12700	13410	57845.5						
12700	13420	57853.6						
12700	13430	57835.5						
12700	13440	57851.2						
12700	13450	57825.9						
12700	13460	57857.6						
12700	13470	57858.4						
12700	13480	57849.3						
12700	13490	57849.8						

X	Y	MAG	X	Y	MAG	X	Y	MAG
10000	10000	57461.6	10600	10000	57777.7	11200	10000	58027.6
10010	10000	57494.3	10610	10000	57798.7	11210	10000	58014.7
10020	10000	57479.2	10620	10000	57796.3	11220	10000	58010.1
10030	10000	57441.9	10630	10000	57809.3	11230	10000	58008.8
10040	10000	57481.9	10640	10000	57808.7	11240	10000	58006.7
10050	10000	57485.2	10650	10000	57818.3	11250	10000	58001.4
10060	10000	57495.8	10660	10000	57826.3	11260	10000	57960.0
10070	10000	57497.8	10670	10000	57818.0	11270	10000	57990.1
10080	10000	57509.8	10680	10000	57823.8	11280	10000	57988.9
10090	10000	57497.0	10690	10000	57848.5	11290	10000	57991.0
10100	10000	57499.2	10700	10000	57866.2	11300	10000	57956.1
10110	10000	57514.0	10710	10000	57849.7	11310	10000	57991.4
10120	10000	57523.9	10720	10000	57863.0	11320	10000	57991.9
10130	10000	57524.4	10730	10000	57860.7	11330	10000	57960.0
10140	10000	57531.9	10740	10000	57851.7	11340	10000	57985.6
10150	10000	57534.2	10750	10000	57862.4	11350	10000	57996.5
10160	10000	57553.4	10760	10000	57873.4	11360	10000	57989.2
10170	10000	57560.6	10770	10000	57875.4	11370	10000	58011.9
10180	10000	57556.8	10780	10000	57883.4	11380	10000	58005.9
10190	10000	57565.1	10790	10000	57885.9	11390	10000	58008.2
10200	10000	57563.6	10800	10000	57890.1	11400	10000	58010.7
10210	10000	57588.2	10810	10000	57892.2	11410	10000	58030.4
10220	10000	57591.9	10820	10000	57895.0	11420	10000	58022.4
10230	10000	57602.0	10830	10000	57889.2	11430	10000	58037.5
10240	10000	57615.7	10840	10000	57917.2	11440	10000	58034.3
10250	10000	57599.2	10850	10000	57927.7	11450	10000	58053.2
10260	10000	57629.8	10860	10000	57928.8	11460	10000	58051.9
10270	10000	57626.2	10870	10000	57932.0	11470	10000	58070.3
10280	10000	57633.7	10880	10000	57943.8	11480	10000	58087.3
10290	10000	57644.3	10890	10000	57942.0	11490	10000	58061.8
10300	10000	57643.8	10900	10000	57951.7	11500	10000	58102.4
10310	10000	57672.5	10910	10000	57956.1	11510	10000	58120.6
10320	10000	57667.0	10920	10000	57962.3	11520	10000	58126.7
10330	10000	57681.4	10930	10000	57971.1	11530	10000	58121.8
10340	10000	57692.5	10940	10000	57966.4	11540	10000	58106.9
10350	10000	57687.3	10950	10000	57985.2	11550	10000	58142.5
10360	10000	57675.1	10960	10000	57969.8	11560	10000	58110.1
10370	10000	57695.8	10970	10000	57994.3	11570	10000	58113.1
10380	10000	57709.7	10980	10000	57994.3	11580	10000	58150.9
10390	10000	57696.2	10990	10000	58004.0	11590	10000	58144.3
10400	10000	57712.4	11000	10000	57992.4	11600	10000	58143.9
10410	10000	57715.8	11010	10000	58006.1	11610	10000	58140.1
10420	10000	57718.8	11020	10000	58006.4	11620	10000	58126.7
10430	10000	57718.9	11030	10000	58001.2	11630	10000	58135.4
10440	10000	57714.4	11040	10000	58016.7	11640	10000	58113.1
10450	10000	57724.4	11050	10000	58015.6	11650	10000	58091.0
10460	10000	57738.8	11060	10000	58025.4	11660	10000	58099.6
10470	10000	57747.0	11070	10000	57978.9	11670	10000	58108.6
10480	10000	57735.8	11080	10000	57988.3	11680	10000	58116.9
10490	10000	57746.6	11090	10000	57998.8	11690	10000	58107.5
10500	10000	57767.7	11100	10000	58003.2	11700	10000	58096.3
10510	10000	57750.8	11110	10000	58034.3	11710	10000	58109.3
10520	10000	57758.1	11120	10000	58017.1	11720	10000	58103.0
10530	10000	57763.0	11130	10000	58019.8	11730	10000	58098.3
10540	10000	57754.8	11140	10000	58011.3	11740	10000	58099.4
10550	10000	57757.6	11150	10000	58033.4	11750	10000	58087.2
10560	10000	57769.7	11160	10000	58032.4	11760	10000	58075.1
10570	10000	57776.3	11170	10000	58030.2	11770	10000	58066.2
10580	10000	57784.3	11180	10000	58023.9	11780	10000	58101.0
10590	10000	57782.3	11190	10000	58009.0	11790	10000	58061.8

X	Y	MAG	X	Y	MAG	X	Y	MAG
11800	10000	58088.2	12400	10000	57858.2			
11810	10000	58090.5	12410	10000	57856.1			
11820	10000	58084.6	12420	10000	57843.8			
11830	10000	58085.7	12430	10000	57833.4			
11840	10000	58069.0	12440	10000	57846.5			
11850	10000	58083.7	12450	10000	57852.5			
11860	10000	58084.9	12460	10000	57834.4			
11870	10000	58070.0	12470	10000	57836.0			
11880	10000	58091.7	12480	10000	57833.6			
11890	10000	58105.1	12490	10000	57824.4			
11900	10000	58066.7	12500	10000	57814.8			
11910	10000	58098.9	12510	10000	57839.6			
11920	10000	58097.7	12520	10000	57820.9			
11930	10000	58098.4	12530	10000	57847.0			
11940	10000	58111.0	12540	10000	57832.2			
11950	10000	58108.5	12550	10000	57836.0			
11960	10000	58092.9	12560	10000	57842.0			
11970	10000	58070.1	12570	10000	57856.1			
11980	10000	58103.3	12580	10000	57871.8			
11990	10000	58104.9	12590	10000	57840.6			
12000	10000	58072.5	12600	10000	57851.6			
12010	10000	58113.3	12610	10000	57891.1			
12020	10000	58111.4	12620	10000	57923.0			
12030	10000	58104.8	12630	10000	57911.8			
12040	10000	58116.7	12640	10000	57908.6			
12050	10000	58126.4	12650	10000	57918.3			
12060	10000	58132.5	12660	10000	57907.4			
12070	10000	58129.1	12670	10000	57931.9			
12080	10000	58121.9	12680	10000	57951.8			
12090	10000	58130.8	12690	10000	57947.0			
12100	10000	58124.8	12700	10000	57961.7			
12110	10000	58114.6						
12120	10000	58115.4						
12130	10000	58120.3						
12140	10000	58106.9						
12150	10000	58095.0						
12160	10000	58104.2						
12170	10000	58075.0						
12180	10000	58064.3						
12190	10000	58053.1						
12200	10000	58047.7						
12210	10000	58044.7						
12220	10000	58024.3						
12230	10000	58016.7						
12240	10000	58010.0						
12250	10000	57980.9						
12260	10000	57974.7						
12270	10000	57965.7						
12280	10000	57936.3						
12290	10000	57923.9						
12300	10000	57927.8						
12310	10000	57924.6						
12320	10000	57910.8						
12330	10000	57901.3						
12340	10000	57894.7						
12350	10000	57865.3						
12360	10000	57877.9						
12370	10000	57854.4						
12380	10000	57873.6						
12390	10000	57821.8						

APPENDIX 2

IP RAW DATA - WALTHERCO HUT GRID

SEARCH EXPLORATION SERVICES

AREA WATHERLOO

CLIENT PLACER

Date: _____ Timing on: _____

off: _____

Operator: _____ Rx: _____

I.P. Log 10000E

INTEGRATION TIME:

Northing	Easting	I	V	Re	SP	Channels						6	7	8	9	T	Remarks
						0	1	2	3	4	5						
11100 - 11000	4-5	3.6	1.886	19.75	4	.261	.021	.007	-.112	.117	-.025	.023	.004	.064	.110	.226	
11000 - 10900	4-5	3.6	3.30	17.27	3	.780	.401	.227	.183	.156	.118	-.082	-.069	.091	.017	2.14	
10900 - 10800	3-4	3.6	2.47	25.86	4	.627	.067	-.009	.066	.043	-.060	-.027	-.071	.117	.002	.526	
	4-5	3.6	5.82	12.18	2	.430	.172	.126	.087	.043	.050	.062	.033	.021	.005	1.053	
	3-4	3.6	3.69	19.31	3	.645	.231	.167	.089	.000	-.023	.000	-.030	-.030	.094	.961	
	2-3	3.6	2.07	21.67	4	1.433	.815	.632	.634	.563	.491	.401	.336	.301	.267	5.88	
10800 - 10700	4-5	3.6	16.36	8.54	1	.240	.163	.130	.112	.066	.069	.076	.057	.034	.055	1.007	
	3-4	3.6	7.42	15.54	2	.579	.275	.188	.172	.172	.211	.163	.153	.163	.149	2.22	
	2-3	3.6	3.62	18.94	3	.540	.332	.192	.027	-.023	.078	.050	.041	.016	-.081	.984	
	1-2	3.6	1.970	20.63	4	1.030	.270	.233	.128	.087	.005	-.137	.007	.000	.079	1.72	
10700 - 10600	3-4	3.6	20.2	10.54	1	.368	.181	.137	.069	.096	.048	.064	.076	.074	.027	1.099	
	2-3	3.6	7.13	14.93	2	.602	.284	.190	.144	.124	.163	.135	.071	.066	.002	1.785	
10600 - 10500	1-2	3.6	3.52	18.42	3	.826	.494	.410	.316	.217	.220	.160	.134	.131	.127	3.03	
	2-3	3.6	15.15	7.91	1	.414	.352	.339	.295	.249	.243	.188	.112	.121	.088	2.39	
	1-2	3.6	4.73	9.90	2	.611	.314	.249	.159	.111	.037	.039	.087	.011	.050	1.615	

SEARCH EXPLORATION SERVICES

Tx: _____
Date: _____ Timing on: _____
off: _____
Operator: _____ Rx: _____

AREA

CLIENT

I.P. Log / 0000

INTEGRATION TIME:

Northing	Easting	I	V	Re	SP	Channels						6	7	8	9	T	Remarks
						0	1	2	3	4	5						
10300 - 10200	3-6	3.6	17.25	9.0	1	.570	.284	.227	.124	.194	.165	.140	.140	.140	.185	2.22	
	4-5	3.6	5.56	11.64	2	.673	.325	.311	.272	.131	.165	.101	.117	.124	.658	2.28	
10200 - 10100	2-3	3.6	16.62	8.67	1	.476	.243	.199	.142	.121	.108	.108	.128	.076	.067	1.671	
	3-4	3.6	6.7	14.0	2	.861	.435	.355	.249	.156	.204	.126	.081	.044	.027	2.56	
	4-5	3.6	3.10	16.2	3	1.014	.835	.819	.764	.666	.657	.687	.641	.561	.506	7.16	
10100 - 10000	1-2	3.6	17.45	9.11	1	.462	.208	.184	.146	.089	.074	.043	.055	.069	.060	1.396	
	2-3	3.6	7.10	14.87	2	.912	.298	.234	.176	.076	.057	.018	.034	.039	.008	1.809	Fence @ 10000
	3-4	3.6	4.08	24.19	3	1.119	.581	.449	.373	.227	.211	.229	.231	.204	.143	3.78	
	4-5	3.6	2.18	22.8	4	1.156	1.119	.902	.730	.627	.417	.387	.327	.320	.267	6.26	
9900 - 9800	1-2	3.6	8.41	17.6	2	.732	.299	.161	.190	.094	.140	.156	.025	.046	.025	1.986	
	2-3	3.6	4.76	24.91	3	1.181	.476	.293	.254	.206	.089	.080	.046	.032	.078	2.75	
	3-4	3.6	3.17	33.1	4	1.376	.698	.558	.423	.357	.387	.256	.284	.229	.142	4.71	
9800 - 9700	1-2	3.6	5.20	27.21	3	1.234	.645	.506	.458	.318	.309	.215	.181	.195	.172	4.23	
	2-3	3.6	3.39	35.5	4	1.632	.943	.815	.705	.661	.563	.385	.307	.267	.201	6.49	
9700 - 9600	1-2	3.6	2.19	29.21	4	.938	.414	.315	.314	.352	.402	.337	.282	.238	.195	3.78	

SEARCH EXPLORATION SERVICES

AREA Valtherello HorCLIENT PLACER

Date: _____ Timing on: _____

off: _____

Operator: _____ Rx: _____

I.P. Log 10000

INTEGRATION TIME:

Northing	Easting	I	V	Re	SP	Channels						6	7	8	9	T	Remarks
						0	1	2	3	4	5						
<u>10200 - 10100</u>	4-5	3.6	21.4	11.17	1	.471	.307	.256	.191	.191	.156	.133	.120	.110	.133	2.07	
	3-4	3.6	10.53	22.05	2	.705	.432	.325	.207	.272	.227	.229	.173	.149	.117	2.85	
	2-3	3.6	4.94	25.85	3	.877	.481	.373	.368	.346	.318	.222	.154	.163	.135	3.42	
	1-2	3.6	2.55	26.70	4	1.019	.584	.366	.286	.285	.218	.198	.130	.160	.165	2.43	
<u>10100 - 10000</u>	3-4	3.6	25.1	13.10	1	.664	.552	.410	.336	.243	.201	.201	.197	.156	.151	3.11	
	2-3	3.6	9.14	19.14	2	.904	.531	.428	.367	.269	.209	.167	.129	.108	.106	3.16	
<u>10000 - 9900</u>	1-2	3.6	4.18	21.87	3	.993	.634	.600	.580	.412	.398	.378	.341	.259	.207	4.59	
	2-3	3.6	2.90	15.14	1	.563	.353	.238	.195	.222	.201	.190	.185	.149	.128	2.41	
	1-2	3.6	9.30	19.47	2	.655	.327	.277	.219	.185	.181	.124	.165	.148	.119	2.46	
<u>9710 - 9600</u>	3-4	3.6	34.4	17.96	1	.563	.359	.284	.288	.195	.183	.128	.140	.121	.101	2.38	
	4-5	3.6	9.00	18.85	2	.634	.414	.366	.290	.246	.211	.204	.128	.104	.097	2.71	
<u>9600 - 9500</u>	2-3	3.6	22.3	11.64	1	.428	.244	.220	.227	.121	.108	.089	.053	.050	.048	1.625	
	3-4	3.6	10.38	21.74	2	.522	.307	.220	.173	.163	.126	.094	.048	.085	.037	1.682	
	4-5	3.6	3.93	20.56	3	.760	.432	.358	.304	.263	.233	.172	.153	.144	.094	2.93	

0076

SEARCH EXPLORATION SERVICES

AREA WATHERLOO HUTCLIENT PLACERDate: 14/9/87

Timing on: _____

off: _____

Operator: A. Gopal

Rx: _____

I.P. Log 11600

INTEGRATION TIME:

Northing	Easting	I	V	Re	SP	0	1	2	Channels			6	7	8	9	T	Remarks
									3	4	5						
10300 - 10400	1-2	3.6	2.10	21.99	4	.879	.533	.357	.261	.208	.216	.167	.145	.136	.159	3.00	
10400 - 10500	1-2	3.6	4.05	21.95	3	.822	.494	.435	.419	.394	.339	.311	.240	.256	.194	3.91	
10500 - 10600	2-3	3.6	2.77	29.00	4	1.023	.625	.490	.389	.412	.336	.327	.332	.252	.257	4.38	
	1-2	3.6	6.83	14.3	2	.607	.346	.339	.284	.190	.137	.163	.140	.137	.082	2.43	
	2-3	3.6	3.83	20.04	3	.732	.401	.279	.229	.254	.172	.181	.133	.127	.060	2.57	
10600 - 10700	3-4	3.6	2.56	26.8	4	.707	.426	.336	.243	.174	.156	.174	.127	.111	.156	2.71	
	1-2	3.6	17.05	8.9	1	.554	.368	.302	.275	.231	.183	.149	.156	.130	.125	2.49	
	2-3	3.6	5.88	12.31	2	.558	.332	.227	.222	.206	.153	.126	.085	.038	.078	2.03	
	3-4	3.6	3.24	16.95	3	.536	.233	.220	.160	.104	.096	.050	.000	.062	.034	1.571	
10700 - 10800	4-5	3.6	3.20	33.5	4	.707	.350	.247	.201	.140	.133	.073	.078	.101	.096	2.13	
	2-3	3.6	14.89	7.17	1	.332	.103	.076	.030	.041	.030	.018	.033	.017	.007	.458	
	3-4	3.6	5.34	11.16	2	.549	.323	.229	.192	.140	.126	.110	.135	.063	.021	1.88	
	4-5	3.6	4.44	23.23	3	.414	.140	.053	.021	.030	.037	.078	.089	.104	.119	.160	
10800 - 10900	3-4	3.6	11.39	5.94	1	.293	.156	.112	.092	.078	.032	.039	.025	.014	.007	.824	
	3-6	3.6	16.51	13.63	2	.526	.332	.254	.243	.215	.183	.195	.183	.190	.109	2.44	

0078

SEARCH EXPLORATION SERVICES

AREA

CLIENT

I.P. Log 11600

INTEGRATION TIME:

Date: _____ Timing on: _____

off: _____

Operator: _____ Rx: _____

Northing	Easting	I	V	Re	SP	0	1	2	Channels			6	7	8	9	T	Remarks
									3	4	5						
11100 - 11200	1-2	3.60	6.41	13.42	2	.261	.064	.000	.034	.037	.062	.089	.089	.080	.090	.137	
	2-3	3.60	16.94	8.84	1	.298	.165	.128	.105	.078	.050	.034	.030	.021	.021	.938	
11200 - 11300	1-2	3.60	3.36	17.58	3	.476	.295	.201	.183	.181	.195	.167	.117	.130	.058	2.09	
	2-3	3.60	6.31	13.21	2	.430	.300	.256	.204	.163	.163	.140	.096	.130	.124	2.01	
	3-4	3.60	14.55	7.59	1	.309	.213	.167	.137	.110	.098	.080	.089	.078	.092	1.350	
11300 - 11400	1-2	3.60	1.954	20.46	4	.357	.060	.037	.087	.103	.110	.098	.098	.092	.030	.137	
	2-3	3.60	3.24	16.95	3	.639	.357	.352	.325	.243	.179	.133	.176	.135	.078	2.61	
	3-4	3.60	5.46	18.43	2	.398	.220	.105	.087	.073	.064	.066	.005	.000	.032	.984	
	4-5	3.60	19.99	10.43	1	.359	.206	.156	.130	.114	.082	.017	.017	.076	.066	1.373	
11400 - 11500	2-3	3.60	1.817	19.02	4	.659	.270	.160	.133	.183	.142	.142	.160	.133	.085	2.08	
	3-4	3.60	2.63	13.76	3	.300	.016	.007	.025	.034	.009	.076	.153	.062	.080	.000	
	4-5	3.60	6.94	14.53	2	.437	.240	.172	.128	.066	.085	.050	.041	.034	.053	1.305	
11500 - 11600	3-4	3.60	2.34	24.50	4	.600	.444	.328	.311	.300	.201	.158	.158	.124	.144	2.77	2.00
	4-5	3.60	3.43	18.99	3	.648	.387	.272	.271	.247	.222	.188	.176	.143	.140	2.71	
11600 - 11700	4-5	3.60	1.712	17.92	4	.639	.386	.287	.232	.179	.168	.149	.041	.000	.023	2.06	

SEARCH EXPLORATION SERVICES

Date: _____ Timing on: _____

off: _____

Operator: _____ Rx: _____

AREA

CLIENT

I.P. Log 11600

INTEGRATION TIME:

Northing	Easting	I	V	Re	SP	Channels					6	7	8	9	T	Remarks
						0	1	2	3	4	5					
11200 - 11300	1-2	3.60	16.18	8.44	1	.483	.341	.260	.217	.179	.160	.119	.092	.066	.048	1.968
	2-3	3.60	5.82	12.18	2	.520	.364	.277	.249	.192	.169	.126	.108	.085	.066	2.15
	3-4	3.60	2.51	13.13	3	.524	.359	.371	.307	.286	.245	.231	.266	.236	.199	2.99
	4-5	3.60	1.339	14.02	4	.412	.064	.7021	.7053	.7098	.7140	.7064	.7130	.7078	.002	.7092
11300 - 11400	2-3	3.60	15.60	8.14	1	.263	.153	.110	.096	.082	.073	.062	.046	.046	.053	.984
	3-4	3.6	4.70	9.84	2	.243	.096	.062	.039	.057	.066	.062	.053	.043	.030	.755
	4-5	3.6	2.09	10.93	3	.538	.355	.270	.217	.195	.188	.131	.135	.143	.053	2.24
11400 - 11500	3-4	3.6	13.73	7.17	1	.121	.060	.046	.018	.002	.014	.016	.007	.014	.016	.160
	4-5	3.6	4.04	8.46	2	.536	.410	.286	.298	.279	.238	.291	.159	.131	.110	2.63
11700 - 11800	1-2	3.6	4.11	8.60	2	.343	.158	.117	.094	.092	.101	.116	.112	.027	.041	1.190
	2-3	3.6	11.72	6.12	1	.217	.135	.092	.071	.066	.082	.066	.064	.060	.052	.906
11800 - 11900	1-2	3.6	1.787	9.35	3	.414	.247	.172	.120	.104	.152	.146	.144	.159	.166	1.831
	2-3	3.6	3.20	6.70	2	.410	.279	.130	.060	.050	.066	.096	.002	.021	.094	.961
	3-4	3.6	10.52	5.49	1	.142	.121	.103	.112	.098	.078	.080	.079	.062	.050	.934

SEARCH EXPLORATION SERVICES

AREA

CLIENT *Flavia*I.P. Log *11600*

INTEGRATION TIME:

Date: _____ Timing on: _____

off: _____

Operator: _____ Rx: _____

Northing	Easting	I	V	Re	SP	0	1	2	Channels			6	7	8	9	T	Remarks
									3	4	5						
<i>11900 - 12000</i>	<i>1-2</i>	<i>3.6</i>	<i>1.059</i>	<i>11.0</i>	<i>4</i>	<i>1.067</i>	<i>.639</i>	<i>.524</i>	<i>.389</i>	<i>.348</i>	<i>.366</i>	<i>.269</i>	<i>.275</i>	<i>.146</i>	<i>.117</i>	<i>4.25</i>	
	<i>2-3</i>	<i>3.6</i>	<i>1.549</i>	<i>8.10</i>	<i>3</i>	<i>.847</i>	<i>.547</i>	<i>.428</i>	<i>.394</i>	<i>.366</i>	<i>.371</i>	<i>.303</i>	<i>.309</i>	<i>.234</i>	<i>.175</i>	<i>3.98</i>	
	<i>3-4</i>	<i>3.6</i>	<i>2.80</i>	<i>5.86</i>	<i>2</i>	<i>0.37</i>	<i>-.023</i>	<i>-.124</i>	<i>-.130</i>	<i>-.146</i>	<i>-.174</i>	<i>-.154</i>	<i>-.130</i>	<i>-.117</i>	<i>-.130</i>	<i>-1.144</i>	
	<i>4-5</i>	<i>3.6</i>	<i>10.83</i>	<i>3.0</i>	<i>1</i>	<i>.238</i>	<i>.135</i>	<i>.165</i>	<i>.153</i>	<i>.121</i>	<i>.117</i>	<i>.114</i>	<i>.114</i>	<i>.133</i>	<i>.110</i>	<i>1.396</i>	
<i>12000 - 12100</i>	<i>2-3</i>	<i>3.6</i>	<i>1.092</i>	<i>11.43</i>	<i>4</i>	<i>.877</i>	<i>-.476</i>	<i>.316</i>	<i>.243</i>	<i>.156</i>	<i>.094</i>	<i>.065</i>	<i>.092</i>	<i>-.156</i>	<i>-.064</i>	<i>2.10</i>	
	<i>3-4</i>	<i>3.6</i>	<i>1.575</i>	<i>8.24</i>	<i>3</i>	<i>.121</i>	<i>-.019</i>	<i>-.079</i>	<i>-.072</i>	<i>-.082</i>	<i>-.148</i>	<i>-.116</i>	<i>-.168</i>	<i>-.145</i>	<i>-.077</i>	<i>1.079</i>	
	<i>4-5</i>	<i>3.6</i>	<i>3.20</i>	<i>6.50</i>	<i>2</i>	<i>.195</i>	<i>.096</i>	<i>-.027</i>	<i>-.085</i>	<i>.092</i>	<i>-.124</i>	<i>-.094</i>	<i>-.245</i>	<i>-.101</i>	<i>-.144</i>	<i>-.516</i>	
<i>12100 - 12200</i>	<i>3-4</i>	<i>3.6</i>	<i>1.042</i>	<i>10.92</i>	<i>4</i>	<i>.487</i>	<i>.249</i>	<i>.195</i>	<i>-.007</i>	<i>-.094</i>	<i>-.014</i>	<i>-.057</i>	<i>-.041</i>	<i>-.121</i>	<i>-.222</i>	<i>.389</i>	
	<i>4-5</i>	<i>3.6</i>	<i>1.693</i>	<i>8.86</i>	<i>3</i>	<i>.259</i>	<i>.156</i>	<i>.048</i>	<i>-.126</i>	<i>-.119</i>	<i>-.112</i>	<i>-.034</i>	<i>.135</i>	<i>.030</i>	<i>.050</i>	<i>.231</i>	
<i>12200 - 12300</i>	<i>4-5</i>	<i>3.6</i>	<i>1.203</i>	<i>12.59</i>	<i>4</i>	<i>.522</i>	<i>.272</i>	<i>.222</i>	<i>.207</i>	<i>.163</i>	<i>.094</i>	<i>-.101</i>	<i>.135</i>	<i>.057</i>	<i>.104</i>	<i>1.285</i>	
<i>11800 - 11900</i>	<i>1-2</i>	<i>3.6</i>	<i>10.93</i>	<i>5.70</i>	<i>1</i>	<i>.252</i>	<i>.167</i>	<i>.144</i>	<i>.087</i>	<i>.080</i>	<i>.069</i>	<i>.062</i>	<i>.037</i>	<i>.025</i>	<i>.023</i>	<i>.938</i>	
	<i>2-3</i>	<i>3.6</i>	<i>3.25</i>	<i>6.78</i>	<i>2</i>	<i>.114</i>	<i>.057</i>	<i>.034</i>	<i>-.030</i>	<i>-.062</i>	<i>-.092</i>	<i>-.057</i>	<i>-.037</i>	<i>.045</i>	<i>.130</i>	<i>.137</i>	
	<i>3-4</i>	<i>3.6</i>	<i>1.854</i>	<i>9.70</i>	<i>3</i>	<i>.387</i>	<i>.275</i>	<i>.201</i>	<i>.160</i>	<i>.156</i>	<i>.130</i>	<i>.172</i>	<i>.140</i>	<i>.062</i>	<i>.021</i>	<i>1.700</i>	
	<i>4-5</i>	<i>3.6</i>	<i>1.200</i>	<i>12.56</i>	<i>7</i>	<i>.536</i>	<i>.435</i>	<i>.286</i>	<i>.1087</i>	<i>-.153</i>	<i>-.062</i>	<i>.051</i>	<i>.091</i>	<i>.116</i>	<i>.251</i>	<i>1.63</i>	

0081

SEARCH EXPLORATION SERVICES

Tx: _____

Date: _____ Timing on: _____

off: _____

AREA

CLIENT

I.P. Log 11/600

INTEGRATION TIME:

Operator: _____ Rx: _____

Northing	Easting	I	V	Re	SP	0	1	2	Channels			6	7	8	9	T	Remarks
									3	4	5						
11900 - 1200	2-3	3.6	12.67	6.30	1	.078	.103	.046	.021	.048	.011	.000	.018	.014	.030	.343	
	3-4	3.6	4.26	8.92	2	.311	.231	.144	.043	.011	.037	.055	.053	.185	.144	1.23	
12000 - 12100	4-5	3.6	2.24	11.72	3	.968	.677	.565	.433	.284	.176	.195	.161	.148	.140	3.77	
	3-4	3.6	14.77	7.71	1	.286	.133	.146	.160	.128	.119	.092	.04	.007	.027	1.053	
12300 - 12400	4-5	3.6	5.22	10.93	2	.348	.086	.016	.040	.007	.012	.094	.024	.017	.013	.092	
	1-2	3.6	5.15	10.78	2	.243	.055	.000	.080	.028	.163	.167	.126	.172	.192	.664	
12400 - 12500	2-3	3.6	16.99	8.87	1	.357	.224	.160	.135	.098	.078	.076	.069	.066	.058	1.328	
	1-2	3.6	2.41	12.61	3	.675	.533	.117	.136	.053	.037	.027	.063	.027	.000	1.579	
	2-3	3.6	5.43	11.37	2	.524	.302	.204	.177	.125	.094	.066	.016	.005	.108	1.625	
12500 - 12600	3-4	3.6	17.71	9.24	1	.238	.117	.092	.053	.073	.030	.037	.046	.057	.043	.778	
	1-2	3.6	1.295	13.56	4	.506	.320	.032	.043	.025	.136	.011	.002	.101	.092	.824	
	2-3	3.6	2.61	13.65	3	.414	.105	.048	.087	.092	.121	.094	.060	.014	.104	.092	
	3-4	3.6	6.15	12.88	2	.499	.343	.307	.181	.220	.121	.090	.044	.019	.028	1.84	
	4-5	3.6	19.00	9.92	1	.309	.183	.119	.089	.069	.048	.060	.060	.023	.014	9.84	

0082

APPENDIX 3

ROTARY DRILLING LOGS - WALTHERCO HUT GRID

DRILLING RECORD

MONTH SEPT., OCTOBER 1989 GEOLOGIST P WILLIAMSON

DATE	HOLE No.	P. D.	T. D.	CUM. PROBED	CUM. DRILLED	HOLE TYPE	PROJECT	LOCATION			REMARKS
								MAP			
30/9/89	WH1		85		86		WALTHERCO HUT		10000E	9900N	
	WH 2		64		150				10000E	10000N	
	WH3		29		179				10000E	10100N	
	WH4		83		262				10000E	10200N	
	WH5		77		339				10000E	10300N	
	WH6		72		411				10000E	10400N	
1/10/89	WH7		67		478				11600E	11500N	
	WH8		90		568				11600E	11600N	
	WH9		101		669				11600E	11700N	
	WH10		104		773				11600E	11800N	
	WH11		54		827				11600E	13600N	Magnetite in microgranite
2/10/89	WH12		53		880				11600E	13700N	
	WH13		59		939				11600E	13740N	
	WH14		79		1018				11600E	13780N	
	WH15		62		1086				11600E	13500N	
	WH16		42		1128				10000E	9800N	
	WH17		51		1179				10000E	9850N	
	WH18		60		1239				10000E	9950N	

PROJECT: BILLEROO CREEK
 AREA: WALTHERLO HUT
 LOCATION: GRID
 STARTED: 30/9/89
 COMPLETED: 30/9/89

DATE STARTED:
 COORDINATES: 9900N
 10000E
 ELEVATION:
 DEPTH: 86m

TYPE OF DRILL: 0086
 HOLE SIZE:
 CONTRACTOR:
 DRILLER:
 LOGGED BY: P. WILLIAMSON

Metres	DESCRIPTION	SAMPLE No.	Assay Length	ASSAYS					
1-18	cover sands. Red brown stained coarse quartz sand with minor amounts of dark-brown lateritic fragments								
-24	red sandy mottled clay								
4-50	coarse subangular qtz sand with pale yellow-brown clay								
0-60	weathered graphitic shale and graphite (massive)								
7-66	massive black graphite								
6-74	graphite and weathered graphitic shale. Minor quartz veining								
1-82	very weathered dark red graphitic (?) shale. Minor quartz veining	102350	74-76						
1-84	Minor amounts of dark-red stained weathered graphitic (?) shale with rare evidence of mica development. >85% of chips pale pink opaque qtz and possibly feldspar(?)	mag subs 20x10 ⁻⁵ 102351	82-84						
-86	Pale pink qtz vein material. Minor graphitic shale frags.	mag subs 240x10 ⁻⁵ 102352	84-86						
	E.O.H								

WH 2

PAGE 1 OF 1

DATE STARTED:

TYPE OF DRILL:

10 000 N

HOLE SIZE:

COORDINATES: 10 0 5

CONTRACTOR:

ELEVATION:.....

DRILLER:

DEPTH:64m.....

LOGGED BY: P. WILLIAMSON

:SR/0035

WM3

PAGE 1 OF 1

DATE STARTED:

TYPE OF DRILL:

10100 N

HOLE SIZE:0088.....

COORDINATES: 10 000 E

CONTRACTOR:

ELEVATION:.....

DRILLER:

DEPTH: 29m

LOGGED BY: P WILLIAMSON

:SR/0035

WH4

DATE STARTED:

TYPE OF DRILL:0089.....

10 000 F

HOLE SIZE:

COORDINATES: 10300N

CONTRACTOR:

ELEVATION:.....

DRILLER:

DEPTH: 83m.

LOGGED BY: P WILLIAMSON

SR/0035

PAGE OF 1

TYPE OF DRILL:
HOLE SIZE: 0090
CONTRACTOR:
DRILLER:
LOGGED BY: P. WILLIAMSON

CS R/0035

TYPE OF DRILL:
HOLE SIZE: 0091
CONTRACTOR:
DRILLER:
LOGGED BY: P. WILLIAMSON

R/0035

HOLE No. WH 7

PAGE 1 OF 1

DATE STARTED:

TYPE OF DRILL:

11600E

HOLE SIZE: 0092

COORDINATES: 11500N

CONTRACTOR:

ELEVATION:.....

DRILLER:

DEPTH: 67m

LOGGED BY: P. WILLIAMSON

SR/0035

FILE NO. W178
PAGE 1 OF 1

TYPE OF DRILL:

HOLE SIZE:

CONTRACTOR:

DRILLER:

LOGGED BY: P. WILLIAMSON

LOGGED BY: P. WILLIAMSON

SR/0035

CER EXPLORATION LIMITED - DRILL LOG

WH9

HOLE No.

PAGE 1 OF 1

PROJECT: BILLEROO CREEK

DATE STARTED:

TYPE OF DRILL: 0094

AREA: WALTERCO HUT

COORDINATES: 11600 E

HOLE SIZE:

LOCATION: GRID

COORDINATES: 11700 N

CONTRACTOR:

STARTED: 1/10/89

ELEVATION:

DRILLER:

COMPLETED: 1/10/89

DEPTH: 101m

LOGGED BY: P WILLIAMSON

Metres	DESCRIPTION	SAMPLE No.	Assay Length	ASSAYS					
0-8	cover sands, soil								
-30	red brown mottled clay.								
0-42	yellow-brown mottled clay with minor subrounded quartz grains up to 3mm across; thin silty clay layer at 42m.								
2-48	mottled and bleached clay.								
8-72	structureless silty-white bleached clay.								
-78	mottled yellow-brown to brown clay								
5-90	mottled brown gray clay								
1-94	intensely weathered siltstone.								
7-99	supracrustic granite. Minor sub-rounded to subangular cte grains, rare mica flakes set in clay. Minor silty shale material → contact aureole	102364	98-99						
-101	coarse granite or pegmatitic material; predominantly quartz, minor feldspar and white mica fragments D.O.M	102365	99-101						

mag. -
SiO₂
10x10

ER EXPLORATION LIMITED - DRILL LOG

WH10

PAGE 1 OF 1

PROJECT: BILLEROO CREEK
 AREA: WALTHERCO HUT
 LOCATION: GRID
 STARTED: 1/10/89
 COMPLETED: 1/10/89

DATE STARTED:
 COORDINATES: 11600 E
 11800 N
 ELEVATION:
 DEPTH: 104m

TYPE OF DRILL:
 HOLE SIZE: 0095
 CONTRACTOR:
 DRILLER:
 LOGGED BY: P WILLIAMSON

Metres	DESCRIPTION	SAMPLE No.	Assay Length	ASSAYS					
7-6	cover sands								
16	sandy red clay								
22	red clay with lateritic fragments								
24	coarse sub-angular quartz sand								
30	sandy grey clay								
52	keriki and grey mottled clay.								
72	bleached silver grey clay								
92	mottled green-grey clay: possibly saprolite altered mica schist.								
98	partially weathered coarse mica schist. Minor amounts of fine-red grained microgranite								
104	coarse grained white mica biotite schist with up to 15% quartz vein fragments. Contact aureole of granite intrusive								
		mag 102366	100-102						
		5x10 102367	102-104						

WH 11

PAGE 1 OF 1

DATE STARTED:

TYPE OF DRILL:

11600E

HOLE SIZE: 0096

COORDINATES: 13660 N

CONTRACTOR:

ELEVATION:.....

DRILLER:

DEPTH: 54m

LOGGED BY: P. WILLIAMSON

SR/0035

PAGE 1 OF 1

TYPE OF DRILL:

HOLE SIZE:

CONTRACTOR: 0097

DRILLER:

LOGGED BY: *Genesis O. Girard*

SR/0035

ER EXPLORATION LIMITED - DRILL LOG

W# 13

PAGE 1 OF 2

PROJECT: BILLEXOP CK
 AREA: WALTHERIO HUT
 LOCATION: GRID
 STARTED: 2/10/89
 COMPLETED: 2/10/89

DATE STARTED: 2/10/89
 COORDINATES: 11600E
13740N
 ELEVATION: 59m

TYPE OF DRILL: 0098
 HOLE SIZE: 0098
 CONTRACTOR:
 DRILLER:
 LOGGED BY: G. C. ROSTA

Metres	DESCRIPTION	SAMPLE No.	Assay Length	ASSAYS					
0-2	Coarse sands red-brown coloured. some grits - grey clay								
2-8	Clayey unit now. Sandy. Some gypsum brown								
8-14	Sandy clay - brown Minor gypsum in 8-10m interval.								
14-16	As above. Calcrete interval in this zone - white - pale brown								
16-19	With grey clay - can be v. sandy.								
19-26	Red-brown sandy clay dominant now Can be very clayey & clean to 26m	Mag. accept 200x10 ⁻⁵ 28-30 1500x10 ⁻⁵ 28-32 2500x10 ⁻⁵ 32-34 0 x 10 ⁻⁵ 24-36							
26-34	Weathered basement - granitic? Dark rich - coarser & coarse foliation at 30-32m. Dark vein 28-30	102373	26-34m						
34-36	As above - fresher - fine grained granitic rock now - as in previous holes. Into schist	102374	34-36						
36-42	Coarse mica schist now - mica dominant - v. few coarse rock chips Coloured brown to red	102375	36-56						
42-56	Pale brown to black clays - weathered schists - few rock chips - abundant mica								

ER EXPLORATION LIMITED - DRILL LOG

W#124

PAGE 1 OF 2

PROJECT: BILLEROD CREEK

DATE STARTED: 2/10/89

TYPE OF DRILL:

AREA: WALTHEROD HUT

COORDINATES: 11600E

HOLE SIZE:

LOCATION: GR15

COORDINATES: 13780N

CONTRACTOR: 0100

STARTED: 2/10/89

ELEVATION:

DRILLER:

COMPLETED: 2/10/89

DEPTH: 79m

LOGGED BY: G. CIRIOSTA

Metres	DESCRIPTION	SAMPLE No.	Assay Length	ASSAYS					
0-2	Red - brown sand. - gritty and clay-rich								
2-4	as above. more clay-rich - some gypsum								
4-18	Brown clays - sandy E.g. 4.5m at times thin or calcareous 6-8m.								
15-18	Grey clays now - brown mottled - sandy.								
18-20	Red soil now - sand with a clay matrix.								
20-32	Grey to red sandy clays - weathered schists Micaceous with some textures preserved								
32-34	Weathered granitic rock now - brown								
34-38	bleached - white clays - weathered granite - minor red rock fragments								
38-44	Pink to pale brown clays - weathered mica schist - well layered								
44-50	Pale yellow - orange weathered clays - no textures - few chips								

ER EXPLORATION LIMITED - DRILL LOG

WHIS

PAGE 1 OF 2

PROJECT: BILLEROO CREEK

DATE STARTED: 2/10/89

TYPE OF DRILL: 0102

AREA: WALTERIO HUT

COORDINATES: 11600E

HOLE SIZE:

LOCATION: CR 10

COORDINATES: 13500N

CONTRACTOR:

STARTED: 2/10/89

ELEVATION:

DRILLER:

COMPLETED: 2/10/89

DEPTH: 68

LOGGED BY: G. CARPATA

Metres	DESCRIPTION	SAMPLE No.	Assay Length	ASSAYS					
0-2	Cover sands - red / brown - minor clay								
2-8	brown to grey calcareous clays now - sandy. Calcrete horizon 4-6m.								
8-16	Brown / orange sandy clays - minor grit								
16-18	Grey clays - fairly sandy. Manganese stained.								
18-22	Red / brown clays - sandy - clean								
22-26	Fine sandy clays now orange-brown								
26-29	Grey clays - sandy								
29-38	Various yellow to brown coloured clays. ? ex-granitic in origin?								
38-40	Very dk brown now - ferruginous layers. Unknown bedrock								
40-44	Alternating ferruginous / bleached zones								

HOLE No. WH 16

PAGE 1 OF 1

TYPE OF DRILL:
HOLE SIZE: 0104
CONTRACTOR:
DRILLER:
LOGGED BY: G. CIRCOSSA

Metres		DESCRIPTION	SAMPLE No.	Assay Length	ASSAYS					
0-4		Cover sands - minor clays and grit bands Red-brown coloured								
4-6		Brown clay - sandy Minor gypsum								
6-10		Grit dominant - minor clay interbedded.								
9-16		Red-brown clays - sandy minor grit								
16-22		Brown clays - sandy to gritty.								
22-26		Grey clays - sandy - some brown mottles								
26-36		Grey weathered metachert - minor pegmatite. - dark - graphitic? unit - coarse micas - light grade m/m.								
36-42		as above - low susceptibility - graphitic? - coarse light grade m/m - almost granitic in places. E.O.H.	102387 102388	38-40 40-42						

SR/0035

ER EXPLORATION LIMITED - DRILL LOG

HOLE NO. 0001
PAGE 1 OF 1

PROJECT: BILLEROD CREEK DATE STARTED: 2/10/89 TYPE OF DRILL:
 AREA: WALTHERLO HT COORDINATES: 10000E HOLE SIZE: 0105
 LOCATION: GRID CONTRACTOR:
 STARTED: 2/10/89 ELEVATION: DRILLER:
 COMPLETED: 2/10/89 DEPTH: 51 meters LOGGED BY: G. CROSTA

Metres	DESCRIPTION	SAMPLE No.	Assay Length	ASSAYS					
0-8	Coars sands - clay interbeds Gritty beds and quartz pebbles to 2cm. Some calcareous Brown coloured Red - brown coloured clay Sandy - Some grit at 14-16m								
16-18	Quartz grit - in a brown sandy - clay matrix Last common to 5-7mm								
18-26	Grey clays - sandy - minor calcareous. 20-22m grit bed & quartz dominant to 2-3mm								
26-30	Grey to white bleached clay - ex granitic? - appears to be v-micaceous								
30-34	Granitic in origin - fine grained micaceous biotitic	102389	30-36						
34-42	Schistose in origin - biotitic coarsely micaceous with farnets graphitic gneissic. Some granitic material	102390	36-42						
42-48	More granitic and pegmatitic iron	102391	42-48						
48-51	Granitic material is dominant - fine biotitic - some dark gneissic material is present - biotitic - coarse & some epidote meta volcanic zones as well suscept low	102392	48-51						

ER EXPLORATION LIMITED - DRILL LOG

HOLE No. WH 10

PAGE 1 OF 1

PROJECT: BILLERDOO CREEK
 AREA: WALTHERO HUT
 LOCATION: GRID
 STARTED: 2/10/89
 COMPLETED: 2/10/89

DATE STARTED: 2/10/89
 COORDINATES: 10000 E
9950 N
 ELEVATION: 600m
 DEPTH: 600m

TYPE OF DRILL: U106
 HOLE SIZE: U106
 CONTRACTOR: U106
 DRILLER: U106
 LOGGED BY: G. CIRIOSTA

Metres	DESCRIPTION	SAMPLE No.	Assay Length	ASSAYS					
0-2	Coarse sands - mixed grit - some clay - Red-brown								
2-8	Clays - brown - brown within - gritty with quartz to 5mm								
8-16	Clays - brown, varying from gritty to sandy								
16-24	Grey clays - sandy - brown middle								
24-26	Weathered bedrock - bleached white clay								
	24-25m - silicate horizon - cemented a quartz conglomerate at contact of weathered bedrock and Testimony								
26-48	Pale yellow to brown clays - weathered bedrock - granite - all that remains is quartz grains + some kaolinitic feldspars								
48-50	Common white vein quartz now. Rock nowhere near fresh								
50-54	Dark schistose fragments in what appears to be a broken down granite rock								
54-58	No above Quartz veins	102313	56-58						

APPENDIX 4

ASSAY RESULTS - WALTHERCO HUT DRILLING

Mr Genesio Circosta
Placer Exploration Limited
69 King William Street
Kent Town
SA 5067

Section
Waltham ✓

0109

Clayton Dam
Lignum South.
Lignum Dam

Job Number: 9AD2496

Your Reference: PEL 2819
Number of Samples: 170
Extra Samples : 0

Date Received: 12-OCT-1989
Date Reported: 19-OCT-1989

This report comprises a cover sheet and pages 1 to 5

This report relates specifically to the samples tested in so far as that the samples as supplied are truly representative of the sample source. Please address any enquiries to Mr. Trevor Francis.

Approved Signature:


for

Dr. John Kikkert
General Manager - Adelaide.

CC Mr Genesio Circosta Kent Town

Report Analyte Codes:
N.A. - Not Analysed.
L.N.R. - Listed But Not Received.
I.S. - Insufficient Sample for Analysis.

Distribution Codes:
CC - Carbon Copy
EM - Electronic Media
MM - Magnetic Media

Job: 9AD2496
 O/N: PEL 2819

0110

ANALYTICAL REPORT

Sample	Cu	Pb	Zn	Mn	Ag	As	Au
102485	750	74	320	125	1	100	0.04
102486	390	46	300	52	<1	50	0.04
102487	240	60	210	140	<1	<50	0.02
102488	145	48	270	3500	3	<50	0.02
102489	8	72	45	80	<1	100	<0.01
102490	42	68	54	60	<1	50	<0.01
102491	770	280	105	310	8	450	<0.01
102492	155	170	30	145	<1	50	<0.01
102493	260	125	40	160	<1	50	0.01
102494	13	70	36	360	<1	150	0.02
102495	120	78	38	510	1	150	<0.01
102496	240	28	120	2950	<1	50	<0.01
102497	155	32	68	2350	<1	150	<0.01
102498	1120	22	120	3.15%	<1	<50	<0.01
102499	1150	24	110	2.30%	1	50	<0.01
102500	330	24	35	8600	2	50	<0.01
102501	230	32	36	7300	1	<50	<0.01
102502	19	68	8	145	<1	<50	<0.01
102503	165	25	240	7200	1	50	<0.01
102504	96	38	42	2100	<1	<50	0.01
102505	105	30	68	1980	<1	50	<0.01
102506	105	210	110	3700	<1	50	<0.01
102507	230	130	530	2800	1	50	0.02
102508	165	320	175	3450	1	50	<0.01
102509	160	310	150	3800	<1	50	<0.01
102510	610	52	690	2300	1	50	0.04
102511	650	42	760	1950	<1	50	<0.01
102512	110	18	58	1680	<1	<50	0.01
102513	42	18	68	1720	<1	50	<0.01
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detn Limit	2	4	2	4	1	50	0.01
Scheme	AAS1	AAS1	AAS1	AAS1	AAS2	AAS2	FA1
Upper Scheme				AAS1C			



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Job: 9AD2496
O/N: PEL 2819

0111

ANALYTICAL REPORT

Sample	Cu	Pb	Zn	Mn	Ag	As	Au
102343	32	16	14	55	<1	<50	0.01
102344	66	26	13	42	<1	<50	0.03
102345	22	18	11	42	<1	50	0.05
102346	36	12	14	48	<1	<50	0.05
102347	45	10	8	32	<1	<50	0.06
102348	38	10	8	20	<1	<50	0.05
102349	32	14	5	40	<1	<50	0.04
102350	310	22	120	410	<1	50	0.03
102351	130	16	38	195	<1	50	0.04
102352	100	16	20	140	<1	<50	0.01
102353	30	16	17	90	<1	50	0.06
102354	8	10	5	40	<1	<50	0.03
102355	12	8	9	65	<1	<50	0.04
102356	34	12	13	64	<1	50	0.02
102357	70	20	20	96	<1	<50	0.01
102358	22	12	11	70	<1	50	0.03
102359	18	8	9	64	<1	<50	<0.01
102360	60	14	13	<4	<1	100	0.02
102361	60	8	9	150	<1	50	<0.01
102362	25	20	13	48	<1	<50	0.05
102363	16	12	13	56	<1	<50	0.03
102364	20	25	28	50	<1	50	0.01
102365	15	155	20	42	<1	50	0.02
102366	52	28	120	155	<1	100	0.05
102367	42	26	115	240	<1	100	0.03
102368	68	25	12	92	<1	50	0.03
102369	65	20	13	115	<1	50	0.04
102371	28	16	13	72	<1	100	0.04
102372	32	16	16	76	<1	100	0.03
102373	13	20	10	62	<1	50	0.03
102374	24	35	5	36	<1	<50	0.01
102375	70	18	18	210	<1	50	0.03
102376	44	12	11	105	<1	50	0.05
102377	44	12	8	420	<1	100	<0.01
102378	14	8	4	82	<1	50	0.03
102379	105	20	24	240	<1	100	0.03
102380	115	18	48	210	<1	100	0.02
102381	16	12	6	52	<1	50	0.02
102382	68	10	38	180	<1	100	0.02
102383	220	12	35	135	<1	<50	0.05
102384	17	4	4	92	<1	<50	0.01
102385	40	16	54	160	<1	100	0.03
102386	22	12	30	170	<1	50	<0.01
102387	10	8	13	60	<1	<50	0.02
102388	14	8	32	80	<1	50	<0.01
102389	14	10	2	56	<1	<50	<0.01
102390	16	12	8	52	<1	50	0.01
102391	6	8	6	60	<1	<50	<0.01
102392	4	4	<2	46	<1	50	<0.01
102393	50	10	17	100	<1	<50	<0.01

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detn Limit	2	4	2	4	1	50	0.01
Scheme	AAS1	AAS1	AAS1	AAS1	AAS2	AAS2	FA1



Job: 9AD2496
O/N: PEL 2819

0112

ANALYTICAL REPORT

W. H. H. H.

Sample	Cu	Pb	Zn	Mn	Ag	As	Au
102394	55	5	13	105	<1	<50	0.01
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detn Limit	2	4	2	4	1	50	0.01
Scheme	AAS1	AAS1	AAS1	AAS1	AAS2	AAS2	FA1



Job: 9AD2496
O/N: PEL 2819

0113

ANALYTICAL REPORT

Sample	Cu	Pb	Zn	Mn	As	Ag	Au
102395	570	14	30	230	50	<1	<0.01
102396	550	18	30	230	100	<1	<0.01
102397	400	22	22	105	100	<1	0.01
102398	145	12	19	88	50	<1	<0.01
102399	135	16	18	110	50	<1	0.03
102400	70	16	9	64	50	<1	<0.01
102401	64	10	5	85	100	<1	0.01
102402	78	8	10	96	100	<1	0.01
102403	95	10	20	88	50	<1	0.01
102404	48	6	7	65	50	<1	<0.01
102405	36	8	9	120	<50	<1	0.02
102406	24	5	8	52	<50	<1	0.01
102407	22	6	4	82	<50	<1	<0.01
102408	15	8	15	32	<50	<1	0.01
102409	165	8	10	150	50	<1	0.01
102410	190	5	18	230	50	<1	0.02
102411	28	10	14	175	50	<1	0.03
102412	44	16	9	175	100	<1	0.02
102413	30	14	7	92	100	<1	0.02
102414	24	14	26	115	50	<1	0.02
102415	22	14	8	48	100	<1	0.02
102416	24	12	14	42	<50	<1	<0.01
102417	16	10	15	32	50	<1	0.01
102418	24	12	9	100	50	<1	0.01
102419	175	8	8	90	100	<1	0.01
102420	88	8	8	56	50	<1	0.01
102421	62	4	6	66	50	<1	<0.01
102422	62	10	8	28	50	<1	0.03
102423	60	14	14	96	100	<1	<0.01
102424	50	6	12	68	50	<1	<0.01
102425	78	16	13	42	50	<1	<0.01
102426	42	20	10	12	<50	<1	0.02
102427	110	16	15	230	50	<1	<0.01
102428	88	18	20	380	50	<1	0.01
102429	14	10	12	290	50	<1	<0.01
102430	15	10	16	470	<50	<1	<0.01
102431	12	18	28	84	50	<1	0.04
102432	6	12	13	48	50	<1	0.01
102433	4	6	12	58	<50	<1	<0.01
102434	8	8	11	160	50	<1	<0.01
102435	210	12	6	80	50	<1	<0.01
102436	130	8	15	75	100	<1	<0.01
102437	34	6	10	18	<50	<1	<0.01
102438	105	6	7	44	<50	<1	<0.01
102439	150	14	26	140	50	<1	0.01
102440	125	30	16	95	<50	<1	0.02
102441	16	18	10	72	50	<1	<0.01
102442	20	15	15	105	50	<1	0.01
102443	64	15	44	130	50	<1	<0.01
102444	66	10	28	140	50	<1	<0.01
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detn Limit	2	4	2	4	50	1	0.01
Scheme	AAS1	AAS1	AAS1	AAS1	AAS2	AAS2	FA1

ANALYTICAL REPORT

 Job: 9AD2496
 O/N: PEL 2819

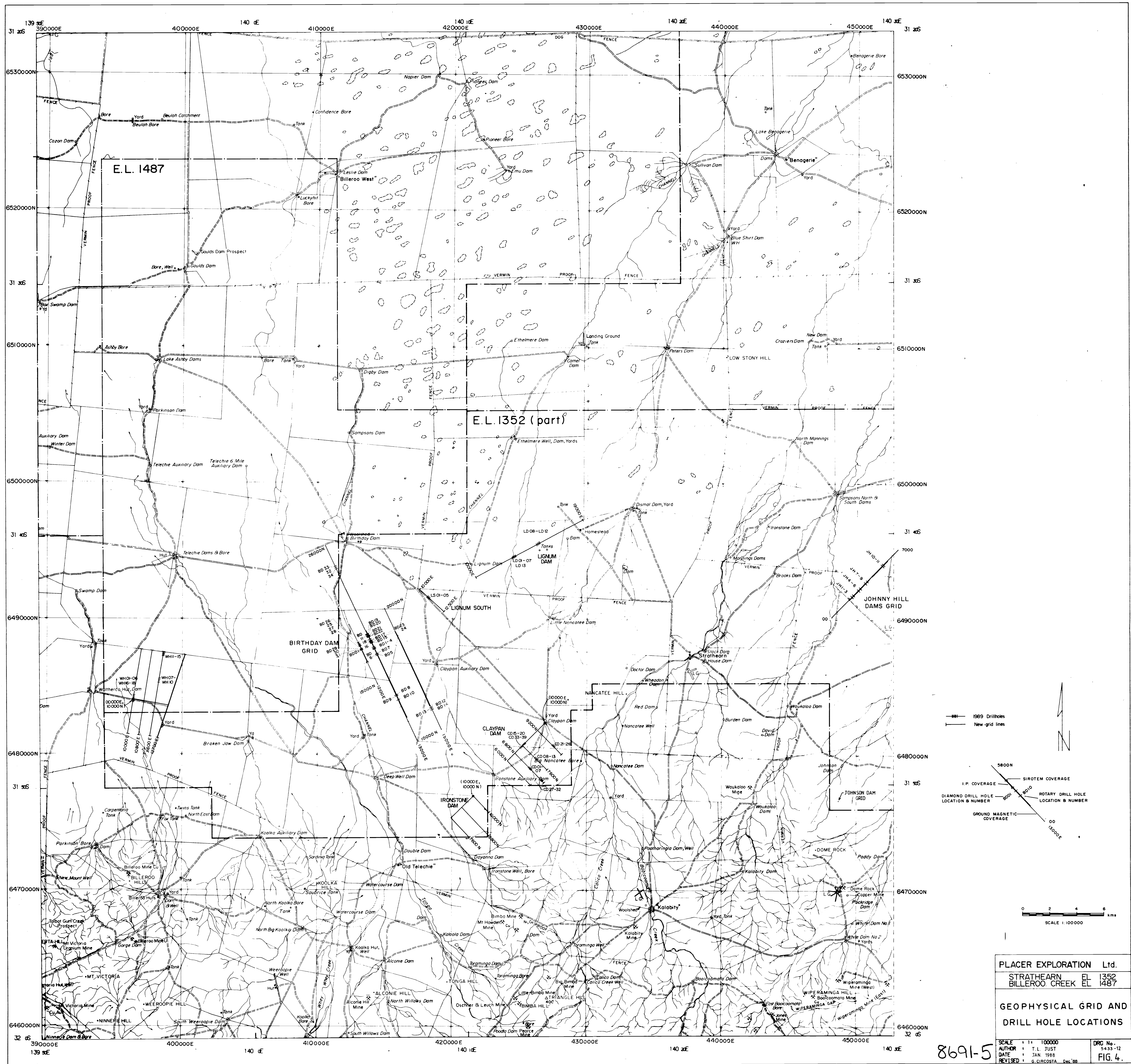
0114

Sample	Cu	Pb	Zn	Mn	As	Ag	Au
102445	50	16	28	220	50	<1	<0.01
102446	30	14	14	165	100	<1	0.01
102447	14	12	20	20	<50	<1	<0.01
102448	11	24	17	28	<50	<1	<0.01
102449	20	14	38	32	<50	<1	<0.01
102450	15	14	30	44	<50	<1	0.02
102451	26	10	48	56	<50	<1	<0.01
102452	20	10	40	58	50	<1	<0.01
102453	32	22	20	52	50	<1	0.01
102454	46	18	66	220	50	<1	0.02
102455	140	18	88	470	50	<1	0.03
102456	210	14	110	600	100	<1	0.02
102457	66	20	20	42	<50	<1	<0.01
102458	26	16	17	68	50	<1	<0.01
102459	28	14	26	84	100	<1	<0.01
102460	25	10	62	570	50	<1	<0.01
102461	110	135	20	240	50	<1	0.01
102462	175	220	24	330	400	<1	0.06
102463	35	14	50	510	<50	<1	<0.01
102464	56	18	70	2300	50	<1	<0.01
102465	195	58	170	410	300	<1	<0.01
102466	190	12	66	840	100	<1	0.02
102467	180	12	44	410	150	<1	<0.01
102468	30	6	22	300	50	<1	<0.01
102469	20	8	24	280	100	<1	<0.01
102470	34	8	20	42	<50	<1	<0.01
102471	20	8	5	32	<50	<1	<0.01
102472	12	5	11	46	50	<1	<0.01
102473	22	8	9	50	<50	<1	<0.01
102474	68	10	8	82	<50	<1	<0.01
102475	65	10	12	60	50	<1	<0.01
102476	105	10	14	125	50	<1	<0.01
102477	88	12	14	110	50	<1	<0.01
102478	310	10	13	52	50	<1	<0.01
102479	270	12	17	68	50	<1	<0.01
102480	250	15	8	4650	<50	<1	<0.01
102481	165	10	18	310	50	<1	<0.01
102482	100	12	15	60	<50	<1	<0.01
102483	270	8	22	210	50	<1	<0.01
102484	280	10	22	135	50	<1	<0.01
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detn Limit	2	4	2	4	50	1	0.01
Scheme	AAS1	AAS1	AAS1	AAS1	AAS2	AAS2	FA1

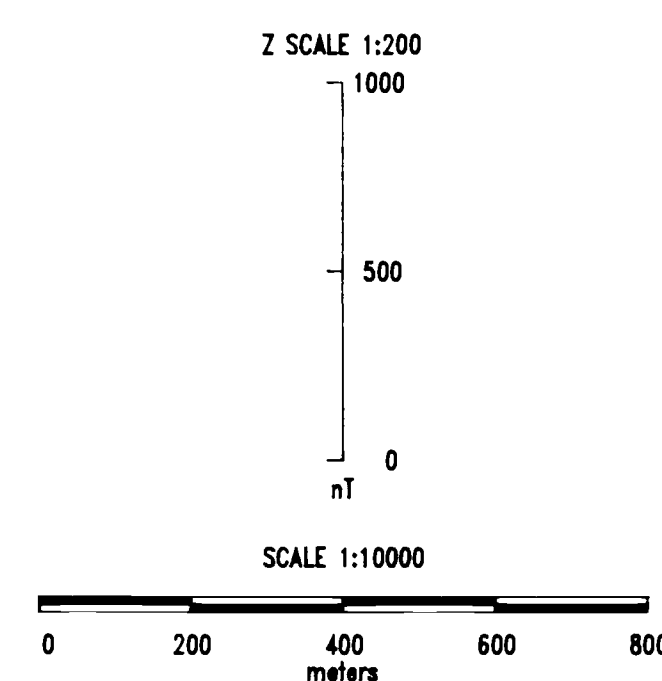
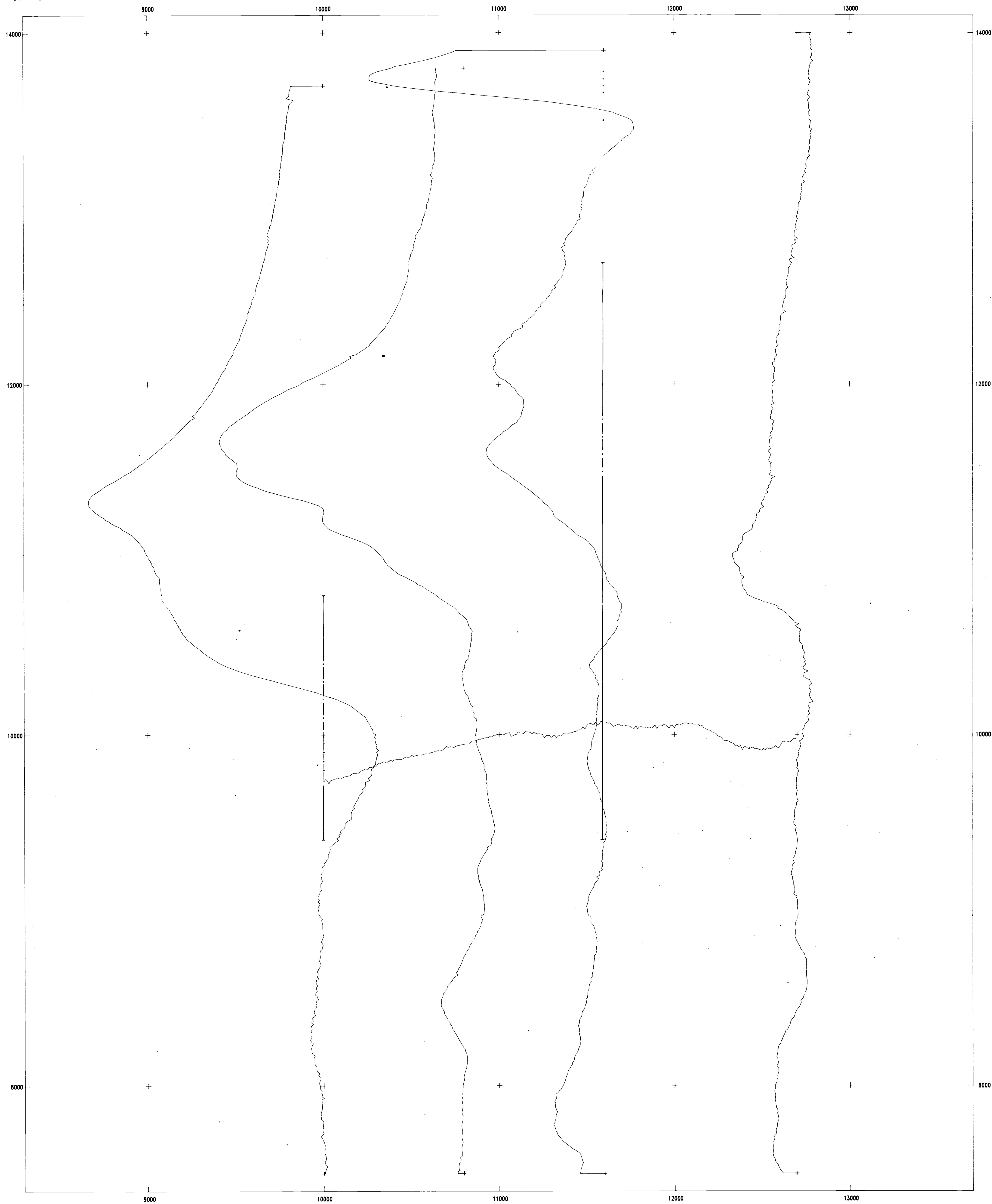
8691-5

STRATHEARN
TOPOGRAPIH
1:100000

WORKING

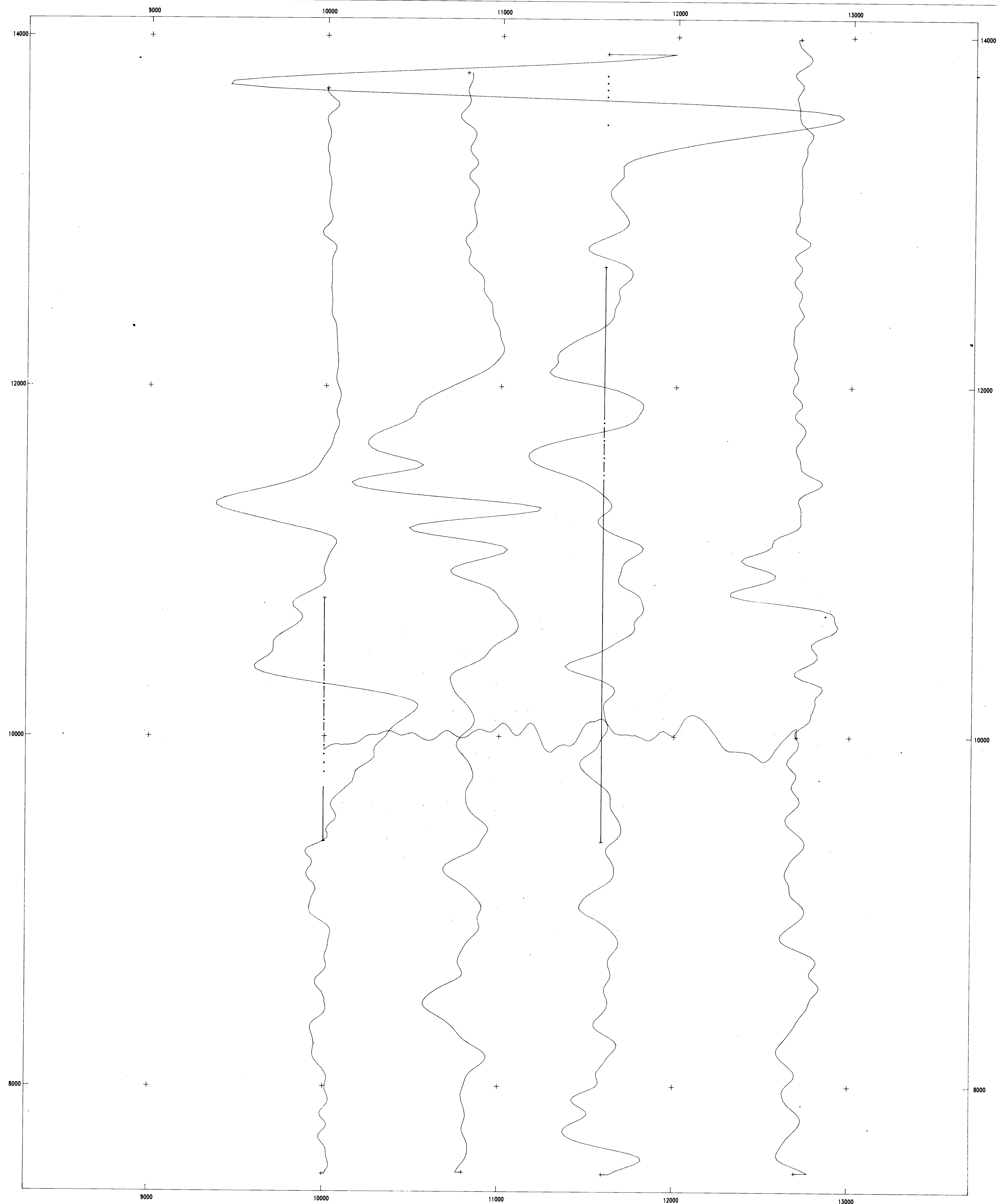


8691-6

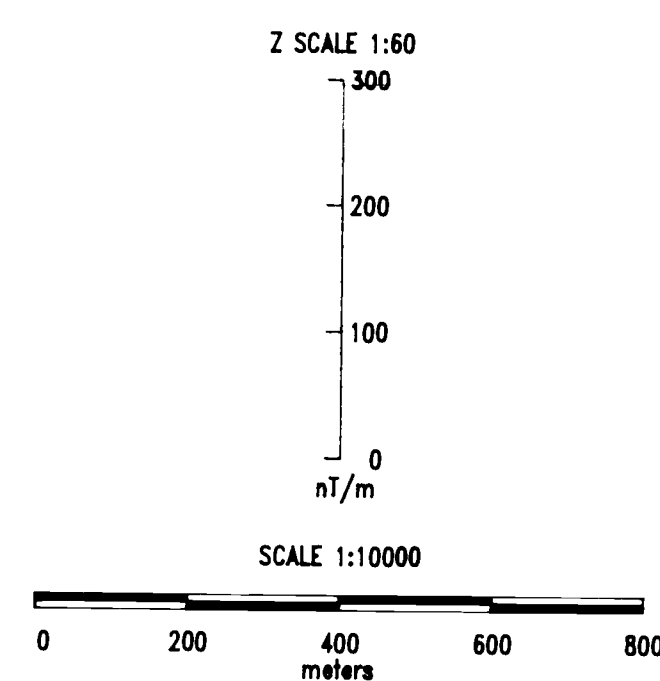


PLACER EXPLORATION LTD	
BILLEROO CREEK EL 1487	
WALTHERCO HUT GRID	
Figure 6	
Ground magnetica profiles showing drill hole and IP survey locations	
8691-6	
SCALE 1:10000	Z BASE LEVEL : 58000
Z SCALE 1:200	DATE : 18/ 1/1990
DRAWN BY : jwp	

8691-7



DATA PROCESSING DETAILS
DATA WAS FILTERED USING VERTICAL GRADIENT TYPE FILTER
FILTER HALF WIDTH WAS 11 WITH SAMPLING INTERVAL 4
DATA WAS FILTERED USING SMOOTHING TYPE FILTER
FILTER HALF WIDTH WAS 2 WITH SAMPLING INTERVAL 1



PLACER EXPLORATION LTD
BILLEROO CREEK EL 1487
WALTHERCO HUT GRID

Figure 7
Smoothed vertical gradient profiles

8691-7

SCALE 1:10000	Z SCALE 1:60	Z BASE LEVEL: 0
DRAWN BY: z.jp		DATE: 19/1/1990



PLACER EXPLORATION LIMITED

Ref: 34.56/GC/SGS

7 June, 1990

Director-General,
Department of Mines & Energy,
P.O. Box 151,
Eastwood S.A. 5063

Dear Sir,

Re: E.L. 1487, Billeroo Creek
Quarterly Report for
Period Ending May 16th, 1990

Exploration Licence No. 1487, Billeroo Creek is located on the Curnamona 1:250,000 sheet (see Figure 1). Billeroo Creek was granted to CSR Limited on May 17th, 1988 for a period of 12 months.

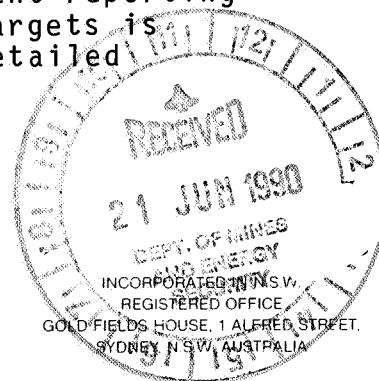
The Licence was included in the sale of CSR's Australian mineral interests to Placer Pacific Limited, during July-August 1988, and has been subsequently managed by Placer Pacific's exploration group, Placer Exploration Limited (PEL).

The licence has recently been renewed and will now expire on the 16th May, 1991.

In the period since acquiring EL 1487 by PEL, exploration has included interpretation of the regional aeromagnetics to assess areas of potential for buried base metal deposits of the Broken Hill type within the basement Willyama Complex. This work included gridding, ground magnetics and RAB drilling in the Waltherco Hut area.

Our regional Olary Province Exploration programme for 1990 concentrates on the Yarramba and South Eagle Licence area to the east of E.L. 1487. Work on Billeroo Creek is aimed at selecting areas of potential for base metal mineralisation and carrying out detailed gridding, magnetics and RAB drilling programmes as we have in the past.

No field work has been undertaken during the present reporting period however a review of possible geophysical targets is currently underway and a work programme will be detailed shortly.



Expenditure during the reporting period totalled \$2,657 and is detailed on the attached expenditure statement.

Yours faithfully,

A handwritten signature in dark ink, appearing to read 'G. Circosta', with a long horizontal flourish extending to the right.

Genesio Circosta
Senior Geologist

PLACER EXPLORATION LIMITED**EXPLORATION LICENCE NO: 1487****TITLE: Billeroo Creek****EXPENDITURE STATEMENT FOR QUARTER ENDING: 16 May, 1990****ACTUAL PERIOD: 3 Months Ending 31 May, 1990**

PERMANENT PAYROLL	
TEMPORARY PAYROLL	153
CAMP OPERATIONS	177
COMMUNICATIONS	
COMPUTER SERVICES	
CONSULTING	
DIAMOND DRILLING	
ENGINEERING SERVICES-VANCOUVER	
ENGINEERING SERVICES-OTHER	
GEOLOGICAL SERVICES	185
ENVIRONMENTAL ASSESSMENT	
GEOPHYSICS	
LEGAL FEES	174
METALLURGICAL TESTING	
OPTION PAYMENTS	
PROPERTY EXPENSES	1,884
ROAD BUILDING	
SAMPLING AND ASSAYING	
SURVEYING	
FARES, ACCOMMODATION ETC.	
HELICOPTER CHARTER	
MOTOR VEHICLE OPERATIONS	70
RESEARCH	
GEOLOGICAL CONTRACTORS	
DEPRECIATION	
CAPITAL EXPENDITURE	
COMMUNITY ACTIVITY	
ADMINISTRATION	14
	<hr/>
TOTAL	2,657
	<hr/>

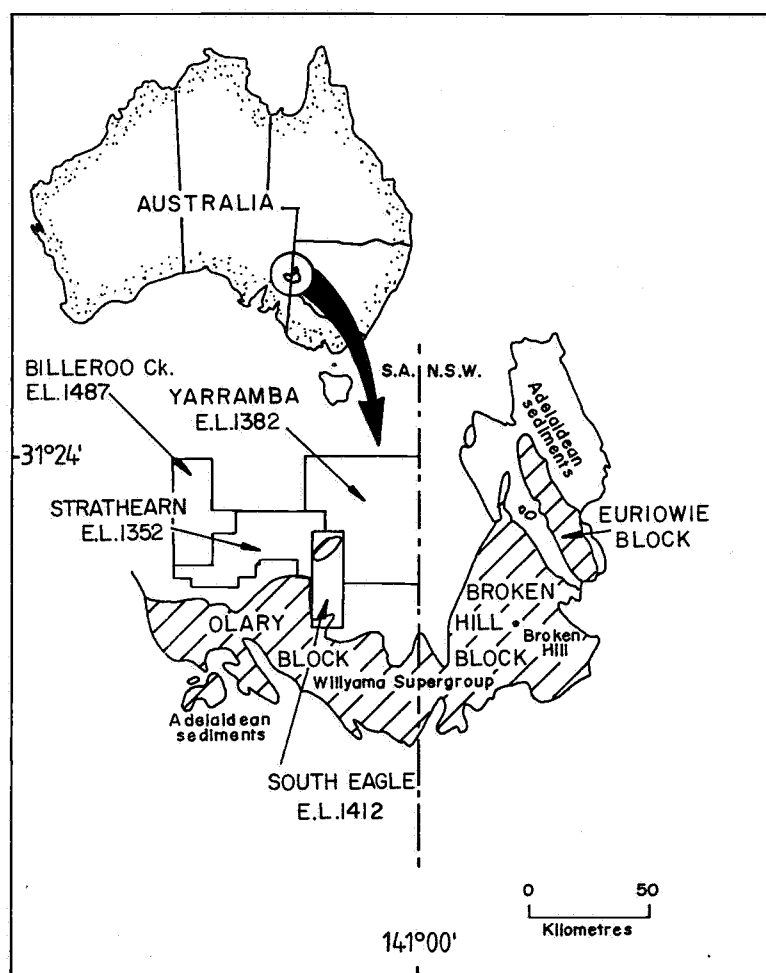
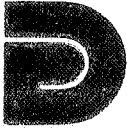


FIGURE 1.

Location of EL's 1352, 1382, 1412 and 1487 in relation to surface distribution of Willyama Supergroup rocks in Western New South Wales and South Australia.



PLACER EXPLORATION LIMITED

22 November, 1990

Director-General
Department of Mines & Energy
PO Box 151
EASTWOOD SA 5063

Dear Sir,

Re: Quarterly Report, E.L. 1487 Billeroo Creek
for Quarter Ending 16 November, 1990

During the current quarter gridding and ground magnetics were completed over extensions to the Waltherco Hut Grid (Figure 1).

Gridding is aimed at defining the position of the Bimba Horizon which from examination of regional magnetics appears to be repeated several times.

An evaluation of ground magnetics is now being carried out and will recommend sites for further testing by electrical geophysical methods (EM, IP) and eventually rotary drilling.

Expenditure during the current quarter totalled \$709 and is detailed in the attached Expenditure Statement. Most costs relating to the gridding and ground magnetics have not filtered through the system yet and will be detailed in the next expenditure statement.

Yours faithfully,

Genesio Circosta
Senior Geologist

cc L. Fry - PEL Sydney
S. Robinson - CEC

PLACER EXPLORATION LIMITED

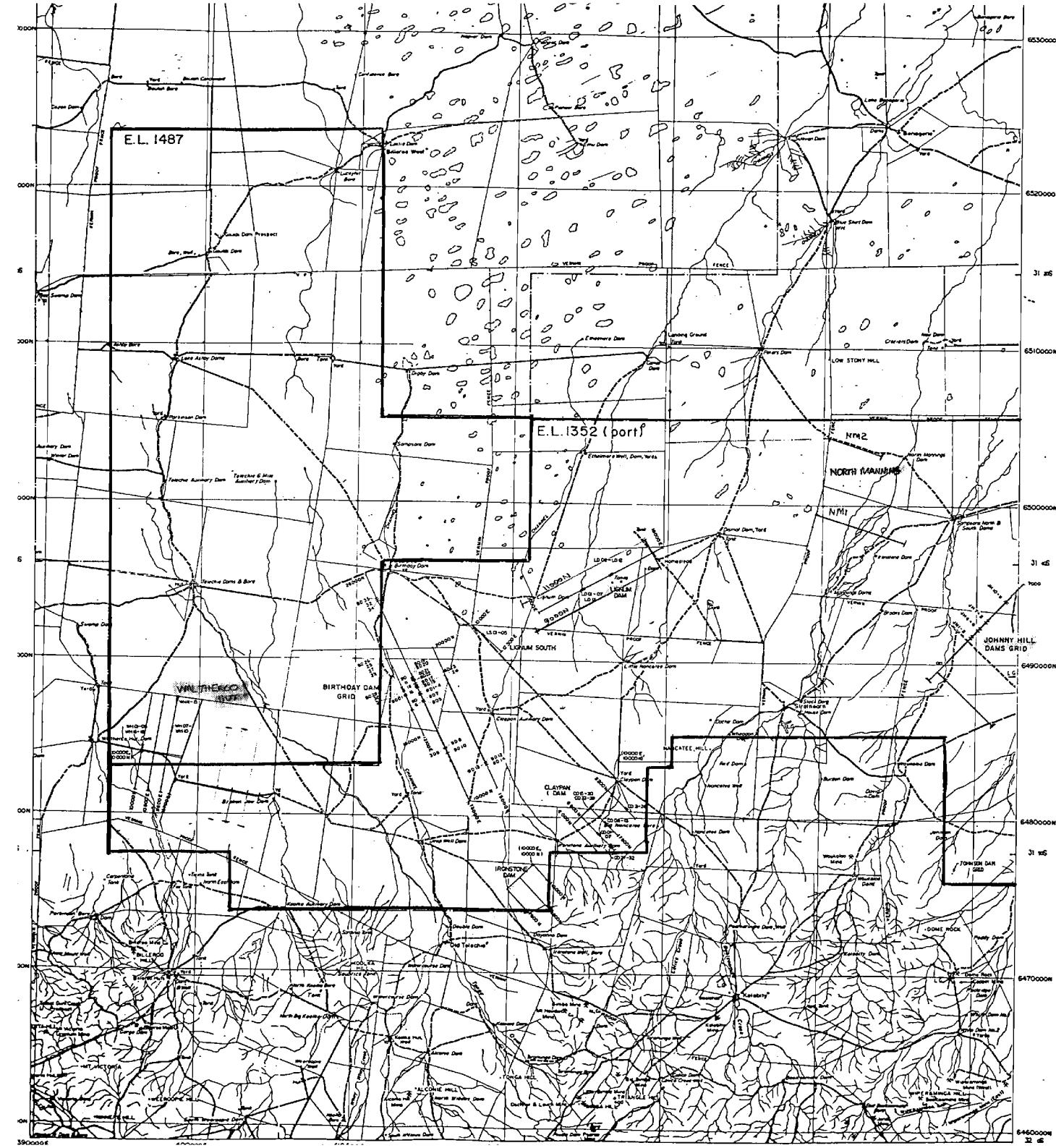
EXPLORATION LICENCE NO: 1487

TITLE: Billeroo Creek

EXPENDITURE STATEMENT FOR QUARTER ENDING: 16 November, 1990

ACTUAL PERIOD: 3 Months ending 31 October, 1990

PERMANENT PAYROLL	99
TEMPORARY PAYROLL	
CAMP OPERATIONS	
COMMUNICATIONS	191
COMPUTER SERVICES	
CONSULTING	
DIAMOND DRILLING	
ENGINEERING SERVICES-VANCOUVER	
ENGINEERING SERVICES-OTHER	
GEOLOGICAL SERVICES	
ENVIRONMENTAL ASSESSMENT	
GEOPHYSICS	262
LEGAL FEES	
METALLURGICAL TESTING	
OPTION PAYMENTS	
PROPERTY EXPENSES	29
ROAD BUILDING	
SAMPLING AND ASSAYING	
SURVEYING	
FARES, ACCOMMODATION ETC.	33
HELICOPTER CHARTER	
MOTOR VEHICLE OPERATIONS	
RESEARCH	
GEOLOGICAL CONTRACTORS	
DEPRECIATION	
CAPITAL EXPENDITURE	
COMMUNITY ACTIVITY	
ADMINISTRATION	105
	<hr/>
TOTAL	709
	<hr/>

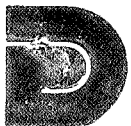


The diagram illustrates a magnetic survey line. A diagonal line represents the survey track, with '3600 H' at the top and '18000 H' at the bottom. A legend at the top left shows a dashed line for '500 Drifts' and a solid line for 'New grid line'. Along the track, several points are marked: 'I.P. COVERAGE' (Intercept Point Coverage), 'ROTARY DRILL HOLE LOCATION & NUMBER' (indicated by a circle with a dot), and 'GROUND MAGNETIC COVERAGE' (indicated by a circle with a cross). A north arrow is located in the upper right corner.

Newly Gridded lines

PLACER EXPLORATION		Ltd.
STRATHEARN	EL	1352
BILLEROO. CREEK	EL	1487

GEOPHYSICAL GRID AND
DRILL HOLE LOCATIONS



0122

PLACER EXPLORATION LIMITED

6 March 1991

Director-General
Department of Mines & Energy
PO Box 151
EASTWOOD SA 5063

Dear Sir,

Re: Quarterly Report EL 1487 Billeroo Creek
for Quarter Ending 16 February, 1991

An evaluation of ground magnetics completed over the Walterco Hut Grid (Figure 1) were completed during the current quarter.

The magnetic profiles appear on Figure 2 with Raw Magnetic Data in Appendix 1.


The proposed programme for 1991 will consist of:

- 1) Additional geophysics (IP and/or gravity) on the existing lines pegged in the Waltherco Hut Grid areas.
- 2) Rotary drilling of stratigraphic/geophysical target positions. This will include the coring of basement lithologies.

It is anticipated that this programme will take place in May-June.

Expenditure for the three months ending 31 January, 1991 totalled \$8,445 and is detailed on the attached expenditure statement.

Yours faithfully,

 **Genesio Circosta**
Senior Geologist

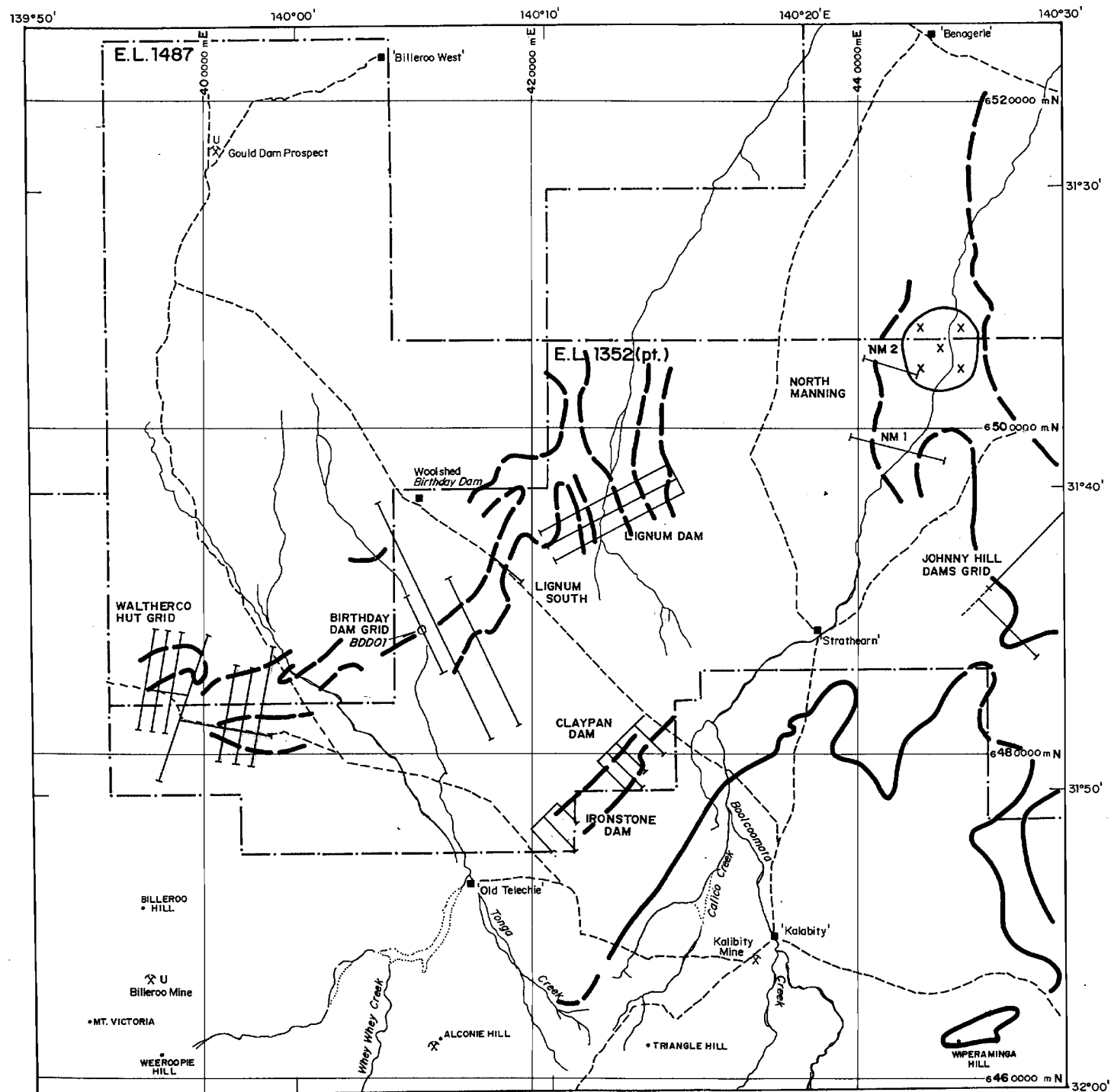
cc L Fry - PEL



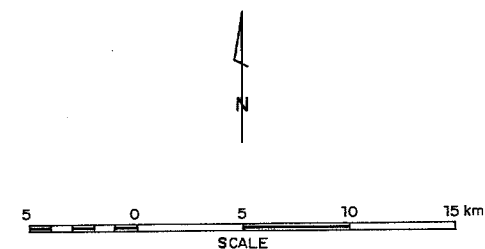
*Note
Not
undertaken
within
EL 1487*

PLACER EXPLORATION LIMITED**EXPLORATION LICENCE NO: 1487****TITLE: Billeroo Creek****EXPENDITURE STATEMENT FOR QUARTER ENDING: 16 February, 1991****ACTUAL PERIOD: 3 Months ending 31 January, 1991**

PERMANENT PAYROLL	631
TEMPORARY PAYROLL	135
CAMP OPERATIONS	46
COMMUNICATIONS	
COMPUTER SERVICES	
CONSULTING	
DIAMOND DRILLING	
ENGINEERING SERVICES - VANCOUVER	
ENGINEERING SERVICES - OTHER	
GEOLOGICAL SERVICES	3,813
ENVIRONMENTAL ASSESSMENT	
GEOPHYSICS	
LEGAL FEES	53
METALLURGICAL TESTING	
OPTION PAYMENTS	
PROPERTY EXPENSES	
ROAD BUILDING	
SAMPLING AND ASSAYING	57
SURVEYING	
FARES, ACCOMMODATION ETC.	
HELICOPTER CHARTER	
MOTOR VEHICLE OPERATIONS	
RESEARCH	
GEOLOGICAL CONTRACTORS	928
DEPRECIATION	
CAPITAL EXPENDITURE	
COMMUNITY ACTIVITY	
ADMINISTRATION	2,782
	<hr/>
TOTAL	8,445



LEGEND



D PLACER EXPLORATION LTD.

STRATHEARN EL1352
BILLEROO CREEK EL1487

LOCATION OF ESTABLISHED GRIDS, DIAMOND DRILL HOLES AND GEOLOGICAL INTERPRETATION

Author: G. Circosta	Drawn: W. Anderson
Scale: 1:250 000	Date: December 1990
Plan No. 282-025	Figure 1

APPENDIX 1

**Raw Magnetic Data
Waltherco Hut Grid**

X	Y	MAG	X	Y	MAG	X	Y	MAG
17500	6500	57869.8	17500	7060	58075.0	17500	7620	58433.8
17500	6510	57926.8	17500	7070	58032.2	17500	7630	58425.8
17500	6520	57913.4	17500	7080	58021.0	17500	7640	58412.0
17500	6530	57926.6	17500	7090	57981.8	17500	7650	58391.2
17500	6540	57982.6	17500	7100	57969.6	17500	7660	58382.0
17500	6550	57943.2	17500	7110	57960.8	17500	7670	58347.0
17500	6560	57947.4	17500	7120	57972.6	17500	7680	58331.6
17500	6570	57942.8	17500	7130	57992.8	17500	7690	58351.4
17500	6580	57936.6	17500	7140	57991.4	17500	7700	58337.6
17500	6590	57954.2	17500	7150	58008.8	17500	7710	58322.0
17500	6600	57978.0	17500	7160	58036.8	17500	7720	58310.0
17500	6610	57977.8	17500	7170	58054.0	17500	7730	58295.2
17500	6620	57969.8	17500	7180	58067.0	17500	7740	58312.8
17500	6630	57961.4	17500	7190	58074.8	17500	7750	58317.4
17500	6640	57966.2	17500	7200	58096.6	17500	7760	58301.8
17500	6650	57948.6	17500	7210	58099.6	17500	7770	58326.2
17500	6660	57936.0	17500	7220	58097.0	17500	7780	58331.6
17500	6670	57926.2	17500	7230	58101.0	17500	7790	58359.0
17500	6680	57915.0	17500	7240	58079.8	17500	7800	58368.0
17500	6690	57901.0	17500	7250	58082.2	17500	7810	58369.2
17500	6700	57902.6	17500	7260	58103.0	17500	7820	58390.4
17500	6710	57877.0	17500	7270	58087.2	17500	7830	58393.4
17500	6720	57850.2	17500	7280	58104.0	17500	7840	58401.6
17500	6730	57862.0	17500	7290	58109.8	17500	7850	58402.2
17500	6740	57857.0	17500	7300	58104.8	17500	7860	58430.4
17500	6750	57857.8	17500	7310	58110.2	17500	7870	58453.6
17500	6760	57832.0	17500	7320	58149.4	17500	7880	58439.6
17500	6770	57829.4	17500	7330	58184.8	17500	7890	58469.8
17500	6780	57841.4	17500	7340	58182.4	17500	7900	58482.0
17500	6790	57849.0	17500	7350	58208.6	17500	7910	58526.8
17500	6800	57898.6	17500	7360	58212.6	17500	7920	58485.0
17500	6810	57934.0	17500	7370	58245.0	17500	7930	58501.2
17500	6820	57925.6	17500	7380	58265.4	17500	7940	58502.0
17500	6830	57915.6	17500	7390	58274.0	17500	7950	58486.8
17500	6840	57955.4	17500	7400	58302.0	17500	7960	58467.4
17500	6850	57979.6	17500	7410	58325.0	17500	7970	58469.4
17500	6860	58000.8	17500	7420	58358.0	17500	7980	58485.0
17500	6870	58014.2	17500	7430	58326.4	17500	7990	58457.0
17500	6880	58044.2	17500	7440	58373.6	17500	8000	58450.4
17500	6890	58080.8	17500	7450	58423.0	17500	8010	58451.0
17500	6900	58144.6	17500	7460	58441.2	17500	8020	58446.8
17500	6910	58190.0	17500	7470	58463.0	17500	8030	58429.6
17500	6920	58171.2	17500	7480	58492.0	17500	8040	58417.0
17500	6930	58171.4	17500	7490	58512.6	17500	8050	58421.0
17500	6940	58161.8	17500	7500	58563.6	17500	8060	58416.0
17500	6950	58147.8	17500	7510	58574.2	17500	8070	58405.8
17500	6960	58161.0	17500	7520	58574.6	17500	8080	58403.8
17500	6970	58173.8	17500	7530	58562.6	17500	8090	58412.4
17500	6980	58171.4	17500	7540	58548.6	17500	8100	58419.4
17500	6990	58156.4	17500	7550	58536.4	17500	8110	58453.6
17500	7000	58123.2	17500	7560	58533.4	17500	8120	58474.2
17500	7010	58113.8	17500	7570	58523.4	17500	8130	58518.6
17500	7020	58124.0	17500	7580	58505.2	17500	8140	58513.4
17500	7030	58127.4	17500	7590	58489.2	17500	8150	58529.6
17500	7040	58115.0	17500	7600	58483.2	17500	8160	58581.2
17500	7050	58107.4	17500	7610	58463.2	17500	8170	58650.2

X	Y	MAG	X	Y	MAG	X	Y	MAG
17500	8180	58678.6	17500	8740	61106.2	17500	9300	58988.6
17500	8190	58676.0	17500	8750	61071.6	17500	9310	58956.4
17500	8200	58716.4	17500	8760	61037.6	17500	9320	58927.8
17500	8210	58729.0	17500	8770	61028.0	17500	9330	58902.8
17500	8220	58765.4	17500	8780	60968.6	17500	9340	58874.2
17500	8230	58784.0	17500	8790	60908.2	17500	9350	58846.4
17500	8240	58823.2	17500	8800	60840.0	17500	9360	58805.4
17500	8250	58869.8	17500	8810	60768.6	17500	9370	58788.0
17500	8260	58925.6	17500	8820	60683.4	17500	9380	58758.6
17500	8270	58919.0	17500	8830	60620.4	17500	9390	58737.6
17500	8280	58924.2	17500	8840	60527.6	17500	9400	58719.2
17500	8290	58961.0	17500	8850	60455.8	17500	9410	58703.2
17500	8300	58970.4	17500	8860	60369.6	17500	9420	58657.2
17500	8310	58976.6	17500	8870	60335.2	17500	9430	58642.8
17500	8320	59007.4	17500	8880	60267.0	17500	9440	58624.0
17500	8330	59010.2	17500	8890	60202.4	17500	9450	58601.4
17500	8340	59048.4	17500	8900	60137.8	17500	9460	58584.6
17500	8350	59040.6	17500	8910	60088.2	17500	9470	58562.2
17500	8360	59021.4	17500	8920	60057.2	17500	9480	58572.4
17500	8370	59010.2	17500	8930	60021.6	17500	9490	58538.4
17500	8380	58969.6	17500	8940	59944.0	17500	9500	58541.0
17500	8390	58946.6	17500	8950	59883.8	17500	9510	58532.6
17500	8400	58912.8	17500	8960	59822.4	17500	9520	58510.2
17500	8410	58878.6	17500	8970	59790.0	17500	9530	58501.6
17500	8420	58832.0	17500	8980	59761.0	17500	9540	58509.4
17500	8430	58810.0	17500	8990	59728.8	17500	9550	58477.0
17500	8440	58747.8	17500	9000	59681.0	17500	9560	58501.0
17500	8450	58721.8	17500	9010	59642.4	17500	9570	58502.4
17500	8460	58703.2	17500	9020	59619.8	17500	9580	58482.2
17500	8470	58667.0	17500	9030	59573.2	17500	9590	58481.4
17500	8480	58704.0	17500	9040	59535.8	17500	9600	58470.2
17500	8490	58726.0	17500	9050	59518.4	17500	9610	58475.6
17500	8500	58776.8	17500	9060	59491.4	17500	9620	58483.2
17500	8510	58801.4	17500	9070	59453.6	17500	9630	58446.8
17500	8520	58829.6	17500	9080	59456.2	17500	9640	58429.4
17500	8530	58896.8	17500	9090	59454.4	17500	9650	58424.8
17500	8540	58999.2	17500	9100	59498.6	17500	9660	58387.6
17500	8550	59126.2	17500	9110	59430.8	17500	9670	58417.4
17500	8560	59272.2	17500	9120	59389.4	17500	9680	58465.6
17500	8570	59406.0	17500	9130	59348.6	17500	9690	58436.8
17500	8580	59555.4	17500	9140	59359.2	17500	9700	58420.4
17500	8590	59731.0	17500	9150	59344.6	17500	9710	58411.6
17500	8600	59881.2	17500	9160	59307.4	17500	9720	58397.4
17500	8610	60039.2	17500	9170	59285.6	17500	9730	58381.0
17500	8620	60197.4	17500	9180	59274.8	17500	9740	58361.6
17500	8630	60321.6	17500	9190	59252.4	17500	9750	58375.4
17500	8640	60448.2	17500	9200	59247.0	17500	9760	58347.0
17500	8650	60570.0	17500	9210	59232.6	17500	9770	58332.0
17500	8660	60688.2	17500	9220	59212.2	17500	9780	58304.0
17500	8670	60785.0	17500	9230	59195.4	17500	9790	58285.6
17500	8680	60904.2	17500	9240	59168.2	17500	9800	58258.8
17500	8690	60970.6	17500	9250	59152.8	17500	9810	58254.0
17500	8700	61040.2	17500	9260	59105.6	17500	9820	58222.0
17500	8710	61086.4	17500	9270	59076.8	17500	9830	58215.8
17500	8720	61109.8	17500	9280	59043.8	17500	9840	58216.4
17500	8730	61102.0	17500	9290	59011.6	17500	9850	58193.8

X	Y	MAG	X	Y	MAG	X	Y	MAG
17500	9860	58181.0	17500	10420	59234.8	17500	10980	59050.6
17500	9870	58177.2	17500	10430	59235.6	17500	10990	59031.6
17500	9880	58162.4	17500	10440	59236.8	17500	11000	59018.0
17500	9890	58152.2	17500	10450	59246.4	17500	11010	59006.2
17500	9900	58186.6	17500	10460	59241.6	17500	11020	58994.4
17500	9910	58148.0	17500	10470	59292.6	17500	11030	58962.4
17500	9920	58157.4	17500	10480	59279.6	17500	11040	58941.6
17500	9930	58154.6	17500	10490	59267.6	17500	11050	58930.4
17500	9940	58160.0	17500	10500	59275.8	17500	11060	58914.6
17500	9950	58197.2	17500	10510	59259.0	17500	11070	58889.2
17500	9960	58233.0	17500	10520	59257.6	17500	11080	58884.8
17500	9970	58222.2	17500	10530	59268.0	17500	11090	58864.2
17500	9980	58240.2	17500	10540	59272.8	17500	11100	58856.0
17500	9990	58291.6	17500	10550	59276.4	17500	11110	58837.6
17500	10000	58364.0	17500	10560	59283.6	17500	11120	58818.8
17500	10010	58368.8	17500	10570	59285.0	17500	11130	58815.4
17500	10020	58405.2	17500	10580	59286.2	17500	11140	58807.6
17500	10030	58443.8	17500	10590	59291.2	17500	11150	58816.0
17500	10040	58494.2	17500	10600	59293.0	17500	11160	58798.8
17500	10050	58525.2	17500	10610	59303.4	17500	11170	58785.6
17500	10060	58564.4	17500	10620	59329.4	17500	11180	58766.4
17500	10070	58608.8	17500	10630	59341.6	17500	11190	58761.4
17500	10080	58657.0	17500	10640	59365.8	17500	11200	58744.2
17500	10090	58714.6	17500	10650	59352.0	17500	11210	58730.2
17500	10100	58770.8	17500	10660	59357.6	17500	11220	58721.2
17500	10110	58807.6	17500	10670	59367.8	17500	11230	58709.6
17500	10120	58813.4	17500	10680	59397.0	17500	11240	58696.0
17500	10130	58867.0	17500	10690	59418.2	17500	11250	58685.2
17500	10140	58921.0	17500	10700	59416.4	17500	11260	58684.0
17500	10150	58975.2	17500	10710	59416.6	17500	11270	58682.0
17500	10160	58971.6	17500	10720	59405.8	17500	11280	58673.4
17500	10170	58994.2	17500	10730	59419.2	17500	11290	58671.0
17500	10180	59055.0	17500	10740	59423.4	17500	11300	58649.8
17500	10190	59069.8	17500	10750	59424.0	17500	11310	58651.6
17500	10200	59097.8	17500	10760	59419.8	17500	11320	58649.0
17500	10210	59113.0	17500	10770	59402.8	17500	11330	58635.8
17500	10220	59127.6	17500	10780	59401.0	17500	11340	58630.2
17500	10230	59144.6	17500	10790	59394.8	17500	11350	58618.4
17500	10240	59162.4	17500	10800	59405.0	17500	11360	58607.8
17500	10250	59188.6	17500	10810	59388.4	17500	11370	58607.4
17500	10260	59191.4	17500	10820	59363.2	17500	11380	58602.4
17500	10270	59217.2	17500	10830	59359.0	17500	11390	58586.4
17500	10280	59255.0	17500	10840	59338.0	17500	11400	58583.8
17500	10290	59257.8	17500	10850	59307.8	17500	11410	58583.6
17500	10300	59270.4	17500	10860	59295.8	17500	11420	58564.4
17500	10310	59278.6	17500	10870	59266.4	17500	11430	58566.8
17500	10320	59282.8	17500	10880	59249.4	17500	11440	58562.4
17500	10330	59272.6	17500	10890	59240.0	17500	11450	58572.6
17500	10340	59273.8	17500	10900	59213.8	17500	11460	58566.6
17500	10350	59293.8	17500	10910	59197.2	17500	11470	58543.2
17500	10360	59285.2	17500	10920	59182.2	17500	11480	58528.4
17500	10370	59274.0	17500	10930	59164.4	17500	11490	58519.6
17500	10380	59281.0	17500	10940	59135.4	17500	11500	58510.4
17500	10390	59265.2	17500	10950	59110.4	17500	11510	58512.2
17500	10400	59244.8	17500	10960	59080.6	17500	11520	58507.8
17500	10410	59240.4	17500	10970	59062.4	17500	11530	58500.0

X	Y	MAG	X	Y	MAG	X	Y	MAG
17500	11540	58497.0	17500	12100	58881.0	17500	12660	58959.8
17500	11550	58496.6	17500	12110	58883.8	17500	12670	58977.8
17500	11560	58498.2	17500	12120	58900.2	17500	12680	59002.2
17500	11570	58489.0	17500	12130	58906.2	17500	12690	59009.0
17500	11580	58482.4	17500	12140	58913.0	17500	12700	59022.4
17500	11590	58483.8	17500	12150	58921.0	17500	12710	59040.4
17500	11600	58479.0	17500	12160	58917.2	17500	12720	59030.2
17500	11610	58478.0	17500	12170	58915.0	17500	12730	59039.6
17500	11620	58469.6	17500	12180	58926.4	17500	12740	59040.8
17500	11630	58470.0	17500	12190	58929.8	17500	12750	59037.6
17500	11640	58472.6	17500	12200	58917.2	17500	12760	59031.2
17500	11650	58474.6	17500	12210	58916.2	17500	12770	59021.6
17500	11660	58466.0	17500	12220	58906.2	17500	12780	59013.8
17500	11670	58465.0	17500	12230	58904.4	17500	12790	59002.2
17500	11680	58453.8	17500	12240	58906.6	17500	12800	58987.0
17500	11690	58452.6	17500	12250	58899.4	17500	12810	58961.6
17500	11700	58451.6	17500	12260	58892.8	17500	12820	58965.2
17500	11710	58445.8	17500	12270	58876.4	17500	12830	58956.6
17500	11720	58455.4	17500	12280	58872.6	17500	12840	58929.2
17500	11730	58456.8	17500	12290	58870.4	17500	12850	58923.4
17500	11740	58468.0	17500	12300	58862.0	17500	12860	58899.4
17500	11750	58458.6	17500	12310	58858.2	17500	12870	58864.6
17500	11760	58460.0	17500	12320	58848.8	17500	12880	58842.8
17500	11770	58465.8	17500	12330	58843.8	17500	12890	58844.2
17500	11780	58467.8	17500	12340	58840.8	17500	12900	58816.0
17500	11790	58476.6	17500	12350	58839.6	17500	12910	58799.4
17500	11800	58481.6	17500	12360	58826.6	17500	12920	58778.6
17500	11810	58492.2	17500	12370	58823.2	17500	12930	58756.4
17500	11820	58485.6	17500	12380	58824.0	17500	12940	58746.8
17500	11830	58500.6	17500	12390	58824.0	17500	12950	58735.4
17500	11840	58500.2	17500	12400	58810.8	17500	12960	58722.2
17500	11850	58499.8	17500	12410	58815.2	17500	12970	58707.2
17500	11860	58508.6	17500	12420	58806.4	17500	12980	58690.6
17500	11870	58508.0	17500	12430	58798.4	17500	12990	58674.6
17500	11880	58520.4	17500	12440	58798.4	17500	13000	58666.4
17500	11890	58522.4	17500	12450	58794.6	17500	13010	58647.2
17500	11900	58539.6	17500	12460	58791.6	17500	13020	58630.4
17500	11910	58551.2	17500	12470	58792.8	17500	13030	58618.6
17500	11920	58554.6	17500	12480	58795.2	17500	13040	58612.8
17500	11930	58569.4	17500	12490	58797.0	17500	13050	58600.0
17500	11940	58577.8	17500	12500	58796.2	17500	13060	58588.4
17500	11950	58593.2	17500	12510	58786.0	17500	13070	58584.8
17500	11960	58617.2	17500	12520	58785.8	17500	13080	58578.2
17500	11970	58636.8	17500	12530	58797.6	17500	13090	58562.2
17500	11980	58644.2	17500	12540	58818.4	17500	13100	58544.4
17500	11990	58664.2	17500	12550	58833.4	17500	13110	58541.4
17500	12000	58694.8	17500	12560	58831.0	17500	13120	58535.4
17500	12010	58711.2	17500	12570	58829.8	17500	13130	58514.8
17500	12020	58726.4	17500	12580	58843.6	17500	13140	58496.6
17500	12030	58750.0	17500	12590	58850.0	17500	13150	58487.4
17500	12040	58773.0	17500	12600	58875.2	17500	13160	58477.4
17500	12050	58789.8	17500	12610	58883.6	17500	13170	58471.6
17500	12060	58804.2	17500	12620	58903.8	17500	13180	58465.0
17500	12070	58830.4	17500	12630	58911.4	17500	13190	58452.0
17500	12080	58853.4	17500	12640	58918.8	17500	13200	58454.2
17500	12090	58866.0	17500	12650	58941.6	17500	13210	58442.0

X	Y	MAG	X	Y	MAG	X	Y	MAG
17500	13220	58431.2	17500	13780	58256.4			
17500	13230	58435.6	17500	13790	58242.8			
17500	13240	58420.6	17500	13800	58241.0			
17500	13250	58415.2	17500	13810	58236.4			
17500	13260	58417.6	17500	13820	58242.4			
17500	13270	58414.4	17500	13830	58231.6			
17500	13280	58418.8	17500	13840	58229.8			
17500	13290	58410.8	17500	13850	58243.4			
17500	13300	58403.8	17500	13860	58239.6			
17500	13310	58391.6	17500	13870	58226.6			
17500	13320	58395.2	17500	13880	58235.6			
17500	13330	58391.2	17500	13890	58230.8			
17500	13340	58390.8	17500	13900	58223.8			
17500	13350	58387.8	17500	13910	58225.6			
17500	13360	58379.6	17500	13920	58223.0			
17500	13370	58375.8	17500	13930	58223.4			
17500	13380	58368.6	17500	13940	58228.4			
17500	13390	58360.0	17500	13950	58229.2			
17500	13400	58343.8	17500	13960	58223.0			
17500	13410	58345.2	17500	13970	58221.2			
17500	13420	58341.4	17500	13980	58229.6			
17500	13430	58342.8	17500	13990	58217.2			
17500	13440	58334.2	17500	14000	58136.8			
17500	13450	58332.4						
17500	13460	58338.6						
17500	13470	58338.8						
17500	13480	58336.6						
17500	13490	58323.2						
17500	13500	58312.2						
17500	13510	58307.2						
17500	13520	58302.6						
17500	13530	58312.8						
17500	13540	58301.6						
17500	13550	58307.2						
17500	13560	58312.8						
17500	13570	58312.6						
17500	13580	58302.4						
17500	13590	58296.2						
17500	13600	58283.4						
17500	13610	58282.2						
17500	13620	58278.4						
17500	13630	58279.4						
17500	13640	58275.6						
17500	13650	58275.8						
17500	13660	58276.4						
17500	13670	58276.2						
17500	13680	58272.0						
17500	13690	58259.6						
17500	13700	58255.4						
17500	13710	58260.2						
17500	13720	58264.0						
17500	13730	58254.4						
17500	13740	58262.4						
17500	13750	58259.2						
17500	13760	58245.0						
17500	13770	58248.4						

X	Y	MAG	X	Y	MAG	X	Y	MAG
16500	6500	57661.8	16500	7060	57935.4	16500	7620	58718.6
16500	6510	57724.4	16500	7070	57924.8	16500	7630	58856.2
16500	6520	57727.0	16500	7080	57898.8	16500	7640	59001.6
16500	6530	57727.8	16500	7090	57910.2	16500	7650	59138.4
16500	6540	57750.2	16500	7100	57912.0	16500	7660	59317.4
16500	6550	57715.8	16500	7110	57914.8	16500	7670	59462.0
16500	6560	57705.6	16500	7120	57958.8	16500	7680	59651.2
16500	6570	57725.2	16500	7130	58008.8	16500	7690	59818.0
16500	6580	57763.4	16500	7140	58035.8	16500	7700	59917.6
16500	6590	57719.4	16500	7150	58050.6	16500	7710	60042.0
16500	6600	57697.4	16500	7160	58079.0	16500	7720	60103.6
16500	6610	57684.6	16500	7170	58118.2	16500	7730	60139.4
16500	6620	57693.8	16500	7180	58164.2	16500	7740	60145.6
16500	6630	57640.4	16500	7190	58176.6	16500	7750	60139.4
16500	6640	57597.4	16500	7200	58220.4	16500	7760	60085.4
16500	6650	57645.6	16500	7210	58233.8	16500	7770	60058.2
16500	6660	57634.0	16500	7220	58238.4	16500	7780	60007.8
16500	6670	57611.8	16500	7230	58239.6	16500	7790	59933.6
16500	6680	57640.2	16500	7240	58261.4	16500	7800	59853.0
16500	6690	57641.8	16500	7250	58256.8	16500	7810	59765.4
16500	6700	57613.8	16500	7260	58268.2	16500	7820	59684.8
16500	6710	57641.8	16500	7270	58260.6	16500	7830	59587.0
16500	6720	57609.6	16500	7280	58237.8	16500	7840	59514.0
16500	6730	57609.8	16500	7290	58210.6	16500	7850	59426.8
16500	6740	57613.6	16500	7300	58213.0	16500	7860	59365.0
16500	6750	57655.4	16500	7310	58249.4	16500	7870	59301.2
16500	6760	57654.4	16500	7320	58218.2	16500	7880	59214.4
16500	6770	57681.8	16500	7330	58189.4	16500	7890	59154.0
16500	6780	57685.8	16500	7340	58182.8	16500	7900	59102.8
16500	6790	57660.4	16500	7350	58183.4	16500	7910	59033.0
16500	6800	57652.8	16500	7360	58171.8	16500	7920	58961.0
16500	6810	57644.6	16500	7370	58165.0	16500	7930	58936.8
16500	6820	57629.4	16500	7380	58124.6	16500	7940	58884.4
16500	6830	57633.4	16500	7390	58118.2	16500	7950	58848.2
16500	6840	57641.6	16500	7400	58121.2	16500	7960	58855.4
16500	6850	57647.6	16500	7410	58145.0	16500	7970	58774.8
16500	6860	57653.8	16500	7420	58139.6	16500	7980	58747.6
16500	6870	57659.2	16500	7430	58121.4	16500	7990	58684.8
16500	6880	57635.4	16500	7440	58097.0	16500	8000	58644.6
16500	6890	57641.6	16500	7450	58071.6	16500	8010	58588.4
16500	6900	57671.6	16500	7460	58064.4	16500	8020	58558.2
16500	6910	57694.2	16500	7470	58037.2	16500	8030	58497.6
16500	6920	57686.6	16500	7480	58035.0	16500	8040	58475.0
16500	6930	57733.2	16500	7490	58042.8	16500	8050	58479.8
16500	6940	57764.6	16500	7500	58019.2	16500	8060	58482.6
16500	6950	57791.6	16500	7510	58035.0	16500	8070	58463.0
16500	6960	57827.2	16500	7520	58040.0	16500	8080	58449.8
16500	6970	57872.2	16500	7530	58051.2	16500	8090	58353.4
16500	6980	57912.6	16500	7540	58064.2	16500	8100	58326.2
16500	6990	57906.8	16500	7550	58107.2	16500	8110	58295.2
16500	7000	57947.6	16500	7560	58187.6	16500	8120	58260.8
16500	7010	57926.0	16500	7570	58260.2	16500	8130	58241.0
16500	7020	57939.8	16500	7580	58322.0	16500	8140	58271.2
16500	7030	57941.4	16500	7590	58352.8	16500	8150	58267.4
16500	7040	57947.2	16500	7600	58472.2	16500	8160	58261.8
16500	7050	57966.6	16500	7610	58568.8	16500	8170	58297.6

X	Y	MAG	X	Y	MAG	X	Y	MAG
16500	8180	58323.8	16500	8740	59345.2	16500	9300	58697.4
16500	8190	58430.0	16500	8750	59343.6	16500	9310	58675.4
16500	8200	58453.8	16500	8760	59350.0	16500	9320	58655.6
16500	8210	58523.8	16500	8770	59370.8	16500	9330	58621.0
16500	8220	58597.0	16500	8780	59374.2	16500	9340	58616.2
16500	8230	58701.6	16500	8790	59379.6	16500	9350	58592.0
16500	8240	58849.2	16500	8800	59383.0	16500	9360	58574.4
16500	8250	58983.0	16500	8810	59365.4	16500	9370	58562.8
16500	8260	59130.0	16500	8820	59367.4	16500	9380	58567.8
16500	8270	59269.8	16500	8830	59370.2	16500	9390	58531.4
16500	8280	59405.2	16500	8840	59378.0	16500	9400	58525.6
16500	8290	59483.4	16500	8850	59357.2	16500	9410	58518.4
16500	8300	59607.6	16500	8860	59407.8	16500	9420	58526.0
16500	8310	59679.4	16500	8870	59376.4	16500	9430	58509.6
16500	8320	59775.4	16500	8880	59342.2	16500	9440	58506.4
16500	8330	59831.8	16500	8890	59319.4	16500	9450	58496.8
16500	8340	59917.2	16500	8900	59298.8	16500	9460	58498.4
16500	8350	59926.8	16500	8910	59253.6	16500	9470	58483.0
16500	8360	59924.0	16500	8920	59240.4	16500	9480	58485.0
16500	8370	59921.0	16500	8930	59211.0	16500	9490	58477.8
16500	8380	59937.0	16500	8940	59191.6	16500	9500	58484.0
16500	8390	59891.0	16500	8950	59164.6	16500	9510	58496.2
16500	8400	59911.2	16500	8960	59124.0	16500	9520	58467.2
16500	8410	59872.2	16500	8970	59108.6	16500	9530	58497.6
16500	8420	59793.6	16500	8980	59073.4	16500	9540	58492.8
16500	8430	59738.8	16500	8990	59034.6	16500	9550	58499.0
16500	8440	59716.2	16500	9000	59011.2	16500	9560	58496.4
16500	8450	59668.2	16500	9010	59002.2	16500	9570	58518.6
16500	8460	59623.0	16500	9020	58989.0	16500	9580	58532.8
16500	8470	59554.2	16500	9030	58963.8	16500	9590	58545.4
16500	8480	59539.2	16500	9040	58944.0	16500	9600	58554.0
16500	8490	59482.4	16500	9050	58933.6	16500	9610	58566.2
16500	8500	59445.2	16500	9060	58931.6	16500	9620	58577.8
16500	8510	59414.4	16500	9070	58927.6	16500	9630	58595.2
16500	8520	59387.8	16500	9080	58934.0	16500	9640	58592.4
16500	8530	59381.4	16500	9090	58938.2	16500	9650	58588.6
16500	8540	59365.2	16500	9100	58944.6	16500	9660	58603.0
16500	8550	59337.0	16500	9110	58941.0	16500	9670	58608.0
16500	8560	59333.6	16500	9120	58945.6	16500	9680	58616.2
16500	8570	59319.8	16500	9130	58966.4	16500	9690	58617.6
16500	8580	59298.6	16500	9140	58982.8	16500	9700	58629.0
16500	8590	59274.4	16500	9150	59046.8	16500	9710	58625.4
16500	8600	59256.4	16500	9160	59106.8	16500	9720	58626.4
16500	8610	59252.2	16500	9170	59113.4	16500	9730	58638.4
16500	8620	59256.0	16500	9180	59041.2	16500	9740	58644.2
16500	8630	59272.8	16500	9190	58969.0	16500	9750	58640.6
16500	8640	59306.8	16500	9200	58941.4	16500	9760	58650.2
16500	8650	59314.2	16500	9210	58903.2	16500	9770	58653.6
16500	8660	59295.6	16500	9220	58890.8	16500	9780	58655.4
16500	8670	59299.8	16500	9230	58886.8	16500	9790	58666.4
16500	8680	59311.2	16500	9240	58847.8	16500	9800	58675.4
16500	8690	59289.2	16500	9250	58843.0	16500	9810	58679.6
16500	8700	59302.8	16500	9260	58820.0	16500	9820	58670.4
16500	8710	59323.4	16500	9270	58796.2	16500	9830	58681.4
16500	8720	59335.0	16500	9280	58757.2	16500	9840	58663.2
16500	8730	59344.4	16500	9290	58736.8	16500	9850	58668.4

X	Y	MAG	X	Y	MAG	X	Y	MAG
16500	9860	58671.6	16500	10420	58840.6	16500	10980	59110.6
16500	9870	58663.4	16500	10430	58874.8	16500	10990	59092.6
16500	9880	58651.2	16500	10440	58918.0	16500	11000	59075.6
16500	9890	58660.4	16500	10450	58956.0	16500	11010	59056.8
16500	9900	58636.0	16500	10460	59003.6	16500	11020	59036.4
16500	9910	58630.2	16500	10470	59036.8	16500	11030	59019.8
16500	9920	58624.4	16500	10480	59086.8	16500	11040	59007.2
16500	9930	58611.0	16500	10490	59111.6	16500	11050	58993.6
16500	9940	58602.6	16500	10500	59130.8	16500	11060	58973.2
16500	9950	58594.6	16500	10510	59154.8	16500	11070	58953.8
16500	9960	58573.2	16500	10520	59170.6	16500	11080	58922.2
16500	9970	58562.0	16500	10530	59184.6	16500	11090	58919.0
16500	9980	58550.6	16500	10540	59212.6	16500	11100	58907.0
16500	9990	58548.6	16500	10550	59247.0	16500	11110	58887.2
16500	10000	58554.4	16500	10560	59249.2	16500	11120	58870.4
16500	10010	58537.6	16500	10570	59236.0	16500	11130	58851.4
16500	10020	58502.8	16500	10580	59230.4	16500	11140	58837.6
16500	10030	58586.8	16500	10590	59233.0	16500	11150	58841.8
16500	10040	58553.6	16500	10600	59233.2	16500	11160	58848.8
16500	10050	58548.8	16500	10610	59216.6	16500	11170	58824.4
16500	10060	58549.8	16500	10620	59201.2	16500	11180	58817.8
16500	10070	58551.8	16500	10630	59196.2	16500	11190	58809.8
16500	10080	58556.4	16500	10640	59186.0	16500	11200	58806.4
16500	10090	58577.6	16500	10650	59179.2	16500	11210	58800.8
16500	10100	58587.0	16500	10660	59182.0	16500	11220	58803.2
16500	10110	58597.8	16500	10670	59181.2	16500	11230	58796.8
16500	10120	58593.0	16500	10680	59174.4	16500	11240	58805.8
16500	10130	58629.2	16500	10690	59177.6	16500	11250	58818.6
16500	10140	58649.8	16500	10700	59183.8	16500	11260	58819.2
16500	10150	58663.2	16500	10710	59185.6	16500	11270	58841.4
16500	10160	58689.4	16500	10720	59193.6	16500	11280	58848.4
16500	10170	58707.4	16500	10730	59183.2	16500	11290	58863.0
16500	10180	58725.8	16500	10740	59189.8	16500	11300	58885.0
16500	10190	58737.4	16500	10750	59186.4	16500	11310	58892.0
16500	10200	58751.8	16500	10760	59179.6	16500	11320	58903.8
16500	10210	58750.0	16500	10770	59193.2	16500	11330	58924.2
16500	10220	58763.6	16500	10780	59217.2	16500	11340	58922.6
16500	10230	58767.6	16500	10790	59209.0	16500	11350	58944.2
16500	10240	58770.4	16500	10800	59208.4	16500	11360	58961.0
16500	10250	58781.4	16500	10810	59211.8	16500	11370	58979.6
16500	10260	58787.0	16500	10820	59212.4	16500	11380	58977.8
16500	10270	58824.6	16500	10830	59222.2	16500	11390	58986.0
16500	10280	58793.4	16500	10840	59225.0	16500	11400	59005.0
16500	10290	58763.2	16500	10850	59208.8	16500	11410	59002.8
16500	10300	58759.2	16500	10860	59205.6	16500	11420	58987.0
16500	10310	58749.4	16500	10870	59207.0	16500	11430	58989.6
16500	10320	58739.0	16500	10880	59209.2	16500	11440	58987.8
16500	10330	58723.0	16500	10890	59212.8	16500	11450	58981.6
16500	10340	58716.2	16500	10900	59195.8	16500	11460	58966.8
16500	10350	58722.6	16500	10910	59174.6	16500	11470	58976.2
16500	10360	58753.8	16500	10920	59181.6	16500	11480	58957.2
16500	10370	58792.0	16500	10930	59166.6	16500	11490	58949.2
16500	10380	58799.0	16500	10940	59164.2	16500	11500	58926.4
16500	10390	58814.8	16500	10950	59154.6	16500	11510	58955.8
16500	10400	58821.4	16500	10960	59148.8	16500	11520	58926.0
16500	10410	58813.6	16500	10970	59122.8	16500	11530	58921.2

X	Y	MAG	X	Y	MAG	X	Y	MAG
16500	11540	58904.0	16500	12100	58375.6			
16500	11550	58905.4	16500	12110	58378.0			
16500	11560	58888.0	16500	12120	58373.4			
16500	11570	58883.8	16500	12130	58380.6			
16500	11580	58866.4	16500	12140	58366.6			
16500	11590	58849.6	16500	12150	58369.2			
16500	11600	58845.0	16500	12160	58356.8			
16500	11610	58829.8	16500	12170	58354.4			
16500	11620	58817.6	16500	12180	58349.8			
16500	11630	58793.0	16500	12190	58367.4			
16500	11640	58780.6	16500	12200	58368.8			
16500	11650	58758.0	16500	12210	58359.0			
16500	11660	58745.6	16500	12220	58339.8			
16500	11670	58736.8	16500	12230	58357.8			
16500	11680	58719.4	16500	12240	58339.4			
16500	11690	58705.8	16500	12250	58328.8			
16500	11700	58686.8	16500	12260	58329.6			
16500	11710	58670.2	16500	12270	58329.4			
16500	11720	58668.2	16500	12280	58334.4			
16500	11730	58642.2	16500	12290	58328.8			
16500	11740	58634.8	16500	12300	58327.0			
16500	11750	58615.6	16500	12310	58325.6			
16500	11760	58599.2	16500	12320	58328.8			
16500	11770	58582.2	16500	12330	58326.2			
16500	11780	58571.2	16500	12340	58302.0			
16500	11790	58565.4	16500	12350	58310.8			
16500	11800	58558.6	16500	12360	58305.0			
16500	11810	58550.0	16500	12370	58313.6			
16500	11820	58528.8	16500	12380	58304.0			
16500	11830	58519.4	16500	12390	58302.8			
16500	11840	58512.2	16500	12400	58306.6			
16500	11850	58495.2	16500	12410	58294.6			
16500	11860	58484.2	16500	12420	58292.6			
16500	11870	58477.4	16500	12430	58292.6			
16500	11880	58470.4	16500	12440	58287.0			
16500	11890	58460.0	16500	12450	58300.0			
16500	11900	58457.8	16500	12460	58301.4			
16500	11910	58447.0	16500	12470	58281.2			
16500	11920	58437.8	16500	12480	58277.8			
16500	11930	58443.8	16500	12490	58268.8			
16500	11940	58436.2	16500	12500	58239.0			
16500	11950	58424.8						
16500	11960	58419.0						
16500	11970	58423.2						
16500	11980	58408.2						
16500	11990	58404.2						
16500	12000	58406.8						
16500	12010	58392.0						
16500	12020	58394.8						
16500	12030	58392.0						
16500	12040	58395.2						
16500	12050	58393.2						
16500	12060	58382.4						
16500	12070	58383.4						
16500	12080	58378.0						
16500	12090	58374.6						

X	Y	MAG	X	Y	MAG	X	Y	MAG
15500	6500	57981.4	15500	7060	57799.2	15500	7620	58328.4
15500	6510	58027.8	15500	7070	57789.4	15500	7630	58388.2
15500	6520	58014.6	15500	7080	57747.2	15500	7640	58454.2
15500	6530	58010.2	15500	7090	57760.6	15500	7650	58520.0
15500	6540	57998.2	15500	7100	57769.2	15500	7660	58547.2
15500	6550	57964.2	15500	7110	57763.4	15500	7670	58600.2
15500	6560	57944.4	15500	7120	57752.0	15500	7680	58658.0
15500	6570	57918.4	15500	7130	57728.0	15500	7690	58708.8
15500	6580	57878.4	15500	7140	57735.8	15500	7700	58732.4
15500	6590	57870.4	15500	7150	57744.2	15500	7710	58748.6
15500	6600	57870.4	15500	7160	57724.6	15500	7720	58759.2
15500	6610	57855.2	15500	7170	57700.6	15500	7730	58772.0
15500	6620	57824.6	15500	7180	57675.0	15500	7740	58768.2
15500	6630	57810.4	15500	7190	57638.2	15500	7750	58754.2
15500	6640	57791.8	15500	7200	57678.6	15500	7760	58728.0
15500	6650	57784.0	15500	7210	57667.0	15500	7770	58728.6
15500	6660	57779.0	15500	7220	57659.6	15500	7780	58729.8
15500	6670	57753.6	15500	7230	57634.0	15500	7790	58729.8
15500	6680	57742.4	15500	7240	57660.0	15500	7800	58715.6
15500	6690	57744.8	15500	7250	57690.6	15500	7810	58702.6
15500	6700	57722.0	15500	7260	57672.4	15500	7820	58688.6
15500	6710	57715.4	15500	7270	57660.4	15500	7830	58694.2
15500	6720	57698.0	15500	7280	57680.4	15500	7840	58713.2
15500	6730	57685.6	15500	7290	57681.8	15500	7850	58724.0
15500	6740	57682.4	15500	7300	57679.8	15500	7860	58723.2
15500	6750	57643.2	15500	7310	57690.0	15500	7870	58706.4
15500	6760	57622.2	15500	7320	57692.4	15500	7880	58686.0
15500	6770	57617.6	15500	7330	57726.8	15500	7890	58693.0
15500	6780	57649.4	15500	7340	57760.4	15500	7900	58700.6
15500	6790	57648.4	15500	7350	57787.4	15500	7910	58681.0
15500	6800	57630.6	15500	7360	57820.6	15500	7920	58648.2
15500	6810	57629.4	15500	7370	57850.0	15500	7930	58634.2
15500	6820	57633.4	15500	7380	57901.8	15500	7940	58620.0
15500	6830	57634.4	15500	7390	57946.8	15500	7950	58595.0
15500	6840	57644.2	15500	7400	58013.0	15500	7960	58581.2
15500	6850	57648.6	15500	7410	58047.6	15500	7970	58560.4
15500	6860	57648.6	15500	7420	58082.0	15500	7980	58539.2
15500	6870	57652.6	15500	7430	58126.4	15500	7990	58530.0
15500	6880	57663.0	15500	7440	58149.4	15500	8000	58530.4
15500	6890	57678.6	15500	7450	58174.6	15500	8010	58525.0
15500	6900	57674.4	15500	7460	58184.8	15500	8020	58536.2
15500	6910	57688.2	15500	7470	58205.0	15500	8030	58540.8
15500	6920	57692.0	15500	7480	58216.2	15500	8040	58557.0
15500	6930	57689.6	15500	7490	58209.8	15500	8050	58586.6
15500	6940	57710.8	15500	7500	58220.4	15500	8060	58610.8
15500	6950	57747.0	15500	7510	58224.4	15500	8070	58615.8
15500	6960	57777.6	15500	7520	58194.8	15500	8080	58649.8
15500	6970	57770.6	15500	7530	58172.6	15500	8090	58665.8
15500	6980	57763.6	15500	7540	58170.2	15500	8100	58678.2
15500	6990	57774.4	15500	7550	58182.6	15500	8110	58664.2
15500	7000	57765.0	15500	7560	58178.4	15500	8120	58653.8
15500	7010	57763.2	15500	7570	58177.6	15500	8130	58609.0
15500	7020	57777.6	15500	7580	58193.0	15500	8140	58576.6
15500	7030	57779.4	15500	7590	58234.2	15500	8150	58571.6
15500	7040	57795.4	15500	7600	58259.0	15500	8160	58567.8
15500	7050	57809.6	15500	7610	58295.6	15500	8170	58545.0

X	Y	MAG	X	Y	MAG	X	Y	MAG
15500	8180	58528.0	15500	8740	58652.2	15500	9300	58283.4
15500	8190	58527.0	15500	8750	58637.6	15500	9310	58290.6
15500	8200	58517.4	15500	8760	58634.0	15500	9320	58289.8
15500	8210	58499.4	15500	8770	58623.2	15500	9330	58277.8
15500	8220	58500.2	15500	8780	58606.0	15500	9340	58276.2
15500	8230	58490.2	15500	8790	58601.4	15500	9350	58283.4
15500	8240	58488.0	15500	8800	58581.0	15500	9360	58294.0
15500	8250	58481.2	15500	8810	58558.2	15500	9370	58306.6
15500	8260	58477.0	15500	8820	58534.6	15500	9380	58313.6
15500	8270	58471.4	15500	8830	58515.2	15500	9390	58326.4
15500	8280	58469.0	15500	8840	58510.4	15500	9400	58331.8
15500	8290	58453.0	15500	8850	58469.0	15500	9410	58338.4
15500	8300	58439.0	15500	8860	58447.2	15500	9420	58353.6
15500	8310	58434.8	15500	8870	58408.2	15500	9430	58349.2
15500	8320	58444.4	15500	8880	58373.0	15500	9440	58351.4
15500	8330	58455.8	15500	8890	58351.8	15500	9450	58349.6
15500	8340	58457.4	15500	8900	58328.4	15500	9460	58333.6
15500	8350	58469.8	15500	8910	58301.8	15500	9470	58306.6
15500	8360	58494.4	15500	8920	58274.6	15500	9480	58310.0
15500	8370	58517.4	15500	8930	58234.2	15500	9490	58294.4
15500	8380	58567.0	15500	8940	58220.8	15500	9500	58256.4
15500	8390	58588.0	15500	8950	58193.0	15500	9510	58241.8
15500	8400	58599.4	15500	8960	58179.2	15500	9520	58227.4
15500	8410	58617.2	15500	8970	58155.8	15500	9530	58211.8
15500	8420	58639.8	15500	8980	58146.8	15500	9540	58194.2
15500	8430	58657.0	15500	8990	58136.8	15500	9550	58189.6
15500	8440	58639.0	15500	9000	58129.6	15500	9560	58180.8
15500	8450	58675.4	15500	9010	58124.0	15500	9570	58154.2
15500	8460	58679.2	15500	9020	58105.4	15500	9580	58137.2
15500	8470	58681.4	15500	9030	58115.0	15500	9590	58124.8
15500	8480	58664.4	15500	9040	58124.2	15500	9600	58105.8
15500	8490	58671.2	15500	9050	58127.4	15500	9610	58090.0
15500	8500	58676.8	15500	9060	58144.0	15500	9620	58070.4
15500	8510	58675.0	15500	9070	58164.8	15500	9630	58054.6
15500	8520	58653.6	15500	9080	58167.6	15500	9640	58043.6
15500	8530	58654.0	15500	9090	58208.8	15500	9650	58028.4
15500	8540	58625.8	15500	9100	58260.4	15500	9660	58009.4
15500	8550	58690.4	15500	9110	58291.8	15500	9670	58000.0
15500	8560	58597.0	15500	9120	58318.4	15500	9680	57979.6
15500	8570	58582.8	15500	9130	58367.6	15500	9690	57962.6
15500	8580	58565.0	15500	9140	58428.6	15500	9700	57959.2
15500	8590	58555.6	15500	9150	58487.0	15500	9710	57963.4
15500	8600	58556.6	15500	9160	58525.0	15500	9720	57968.8
15500	8610	58557.6	15500	9170	58548.2	15500	9730	57980.4
15500	8620	58572.6	15500	9180	58579.2	15500	9740	58001.0
15500	8630	58577.6	15500	9190	58603.2	15500	9750	57988.0
15500	8640	58564.0	15500	9200	58597.4	15500	9760	57977.6
15500	8650	58582.4	15500	9210	58598.0	15500	9770	57987.6
15500	8660	58591.0	15500	9220	58563.6	15500	9780	57999.4
15500	8670	58587.2	15500	9230	58522.8	15500	9790	58029.6
15500	8680	58584.6	15500	9240	58477.6	15500	9800	58044.4
15500	8690	58609.6	15500	9250	58437.0	15500	9810	58073.2
15500	8700	58636.4	15500	9260	58375.6	15500	9820	58093.0
15500	8710	58653.2	15500	9270	58338.2	15500	9830	58124.2
15500	8720	58658.8	15500	9280	58309.6	15500	9840	58150.4
15500	8730	58649.2	15500	9290	58289.2	15500	9850	58182.6

X	Y	MAG	X	Y	MAG	X	Y	MAG
15500	9860	58214.2	15500	10420	58609.8	15500	10980	58864.8
15500	9870	58249.4	15500	10430	58607.2	15500	10990	58880.4
15500	9880	58259.8	15500	10440	58595.2	15500	11000	58893.0
15500	9890	58265.6	15500	10450	58585.4	15500	11010	58904.0
15500	9900	58287.6	15500	10460	58575.0	15500	11020	58910.0
15500	9910	58318.0	15500	10470	58556.0	15500	11030	58946.0
15500	9920	58351.6	15500	10480	58554.2	15500	11040	58975.8
15500	9930	58391.2	15500	10490	58545.0	15500	11050	58999.4
15500	9940	58417.4	15500	10500	58522.2	15500	11060	59017.0
15500	9950	58437.2	15500	10510	58520.8	15500	11070	59036.2
15500	9960	58473.4	15500	10520	58517.6	15500	11080	59041.0
15500	9970	58520.6	15500	10530	58525.0	15500	11090	59017.4
15500	9980	58560.8	15500	10540	58518.0	15500	11100	58980.4
15500	9990	58606.0	15500	10550	58520.8	15500	11110	58942.2
15500	10000	58647.2	15500	10560	58520.6	15500	11120	58902.2
15500	10010	58696.0	15500	10570	58528.0	15500	11130	58850.4
15500	10020	58745.0	15500	10580	58530.4	15500	11140	58812.4
15500	10030	58797.4	15500	10590	58533.0	15500	11150	58794.2
15500	10040	58844.8	15500	10600	58549.8	15500	11160	58768.2
15500	10050	58874.8	15500	10610	58564.0	15500	11170	58749.2
15500	10060	58932.4	15500	10620	58564.8	15500	11180	58727.6
15500	10070	58980.6	15500	10630	58583.6	15500	11190	58714.2
15500	10080	58983.6	15500	10640	58610.4	15500	11200	58694.0
15500	10090	59033.6	15500	10650	58643.6	15500	11210	58673.2
15500	10100	59069.2	15500	10660	58657.2	15500	11220	58660.8
15500	10110	59090.0	15500	10670	58656.8	15500	11230	58651.0
15500	10120	59092.2	15500	10680	58664.4	15500	11240	58635.0
15500	10130	59101.2	15500	10690	58674.2	15500	11250	58633.8
15500	10140	59087.0	15500	10700	58681.4	15500	11260	58615.2
15500	10150	59067.8	15500	10710	58692.8	15500	11270	58600.6
15500	10160	59043.6	15500	10720	58699.6	15500	11280	58585.2
15500	10170	59017.2	15500	10730	58700.6	15500	11290	58581.4
15500	10180	58993.8	15500	10740	58700.6	15500	11300	58586.6
15500	10190	58961.2	15500	10750	58692.8	15500	11310	58583.6
15500	10200	58931.2	15500	10760	58690.6	15500	11320	58578.2
15500	10210	58904.2	15500	10770	58708.6	15500	11330	58556.0
15500	10220	58865.4	15500	10780	58716.4	15500	11340	58533.6
15500	10230	58827.0	15500	10790	58699.8	15500	11350	58533.4
15500	10240	58797.0	15500	10800	58696.2	15500	11360	58529.2
15500	10250	58779.2	15500	10810	58690.6	15500	11370	58519.8
15500	10260	58758.4	15500	10820	58679.4	15500	11380	58497.0
15500	10270	58736.8	15500	10830	58678.2	15500	11390	58487.8
15500	10280	58729.2	15500	10840	58677.0	15500	11400	58508.8
15500	10290	58703.2	15500	10850	58669.4	15500	11410	58492.4
15500	10300	58673.6	15500	10860	58658.2	15500	11420	58485.0
15500	10310	58655.4	15500	10870	58663.0	15500	11430	58476.0
15500	10320	58650.2	15500	10880	58656.8	15500	11440	58470.8
15500	10330	58645.0	15500	10890	58661.6	15500	11450	58476.8
15500	10340	58630.0	15500	10900	58673.4	15500	11460	58474.4
15500	10350	58628.2	15500	10910	58679.6	15500	11470	58479.0
15500	10360	58619.8	15500	10920	58699.0	15500	11480	58456.0
15500	10370	58611.4	15500	10930	58740.4	15500	11490	58465.0
15500	10380	58622.6	15500	10940	58760.8	15500	11500	58451.2
15500	10390	58610.0	15500	10950	58782.8	15500	11510	58446.8
15500	10400	58606.4	15500	10960	58817.4	15500	11520	58452.8
15500	10410	58596.4	15500	10970	58842.4	15500	11530	58443.2

X	Y	MAG	X	Y	MAG	X	Y	MAG
15500	11540	58444.0	15500	12100	58228.8			
15500	11550	58445.4	15500	12110	58228.4			
15500	11560	58438.2	15500	12120	58220.0			
15500	11570	58436.4	15500	12130	58218.8			
15500	11580	58426.0	15500	12140	58215.4			
15500	11590	58415.6	15500	12150	58216.4			
15500	11600	58387.8	15500	12160	58222.0			
15500	11610	58429.2	15500	12170	58216.2			
15500	11620	58441.2	15500	12180	58213.0			
15500	11630	58424.0	15500	12190	58210.8			
15500	11640	58407.6	15500	12200	58211.6			
15500	11650	58406.0	15500	12210	58208.6			
15500	11660	58400.8	15500	12220	58206.4			
15500	11670	58400.2	15500	12230	58216.4			
15500	11680	58391.6	15500	12240	58201.6			
15500	11690	58396.4	15500	12250	58200.8			
15500	11700	58383.4	15500	12260	58196.0			
15500	11710	58390.2	15500	12270	58176.4			
15500	11720	58366.6	15500	12280	58168.0			
15500	11730	58370.2	15500	12290	58177.2			
15500	11740	58365.2	15500	12300	58173.6			
15500	11750	58352.6	15500	12310	58162.6			
15500	11760	58373.2	15500	12320	58176.0			
15500	11770	58359.6	15500	12330	58146.4			
15500	11780	58349.8	15500	12340	58160.2			
15500	11790	58348.4	15500	12350	58158.8			
15500	11800	58329.8	15500	12360	58160.8			
15500	11810	58326.8	15500	12370	58154.8			
15500	11820	58317.4	15500	12380	58154.2			
15500	11830	58312.0	15500	12390	58148.6			
15500	11840	58313.8	15500	12400	58147.0			
15500	11850	58312.0	15500	12410	58138.6			
15500	11860	58317.6	15500	12420	58132.8			
15500	11870	58310.8	15500	12430	58130.6			
15500	11880	58309.6	15500	12440	58132.0			
15500	11890	58303.8	15500	12450	58124.6			
15500	11900	58307.4	15500	12460	58122.6			
15500	11910	58301.0	15500	12470	58129.8			
15500	11920	58296.2	15500	12480	58118.4			
15500	11930	58288.0	15500	12490	58108.2			
15500	11940	58279.2	15500	12500	58069.0			
15500	11950	58274.4						
15500	11960	58260.0						
15500	11970	58263.6						
15500	11980	58252.4						
15500	11990	58256.6						
15500	12000	58258.4						
15500	12010	58259.8						
15500	12020	58265.0						
15500	12030	58253.2						
15500	12040	58248.2						
15500	12050	58240.4						
15500	12060	58238.0						
15500	12070	58237.4						
15500	12080	58240.8						
15500	12090	58233.0						

X	Y	MAG	X	Y	MAG	X	Y	MAG
12700	4500	57847.2	12700	5060	57705.8	12700	5620	58063.4
12700	4510	57826.7	12700	5070	57691.6	12700	5630	58131.8
12700	4520	57861.4	12700	5080	57685.5	12700	5640	58172.6
12700	4530	57894.4	12700	5090	57635.1	12700	5650	58196.9
12700	4540	57880.6	12700	5100	57648.7	12700	5660	58226.4
12700	4550	57866.4	12700	5110	57643.4	12700	5670	58262.4
12700	4560	57898.0	12700	5120	57631.9	12700	5680	58289.8
12700	4570	57910.3	12700	5130	57621.5	12700	5690	58308.2
12700	4580	57929.1	12700	5140	57620.6	12700	5700	58351.8
12700	4590	57901.4	12700	5150	57619.7	12700	5710	58432.4
12700	4600	57922.4	12700	5160	57612.5	12700	5720	58501.8
12700	4610	57940.4	12700	5170	57602.9	12700	5730	58566.1
12700	4620	57950.4	12700	5180	57589.1	12700	5740	58683.7
12700	4630	57950.5	12700	5190	57582.7	12700	5750	58793.6
12700	4640	57961.4	12700	5200	57570.9	12700	5760	58895.0
12700	4650	57956.8	12700	5210	57515.9	12700	5770	58978.9
12700	4660	57942.0	12700	5220	57546.7	12700	5780	59046.1
12700	4670	57917.4	12700	5230	57524.2	12700	5790	59129.2
12700	4680	57924.3	12700	5240	57508.9	12700	5800	59175.3
12700	4690	57909.2	12700	5250	57499.9	12700	5810	59194.5
12700	4700	57892.9	12700	5260	57486.6	12700	5820	59205.1
12700	4710	57879.3	12700	5270	57477.7	12700	5830	59213.6
12700	4720	57884.8	12700	5280	57465.6	12700	5840	59178.1
12700	4730	57874.9	12700	5290	57449.8	12700	5850	59178.2
12700	4740	57858.7	12700	5300	57428.1	12700	5860	59184.3
12700	4750	57864.1	12700	5310	57428.3	12700	5870	59181.4
12700	4760	57875.2	12700	5320	57407.7	12700	5880	59161.1
12700	4770	57900.9	12700	5330	57389.9	12700	5890	59140.5
12700	4780	57924.3	12700	5340	57371.3	12700	5900	59105.5
12700	4790	57936.0	12700	5350	57404.7	12700	5910	59076.4
12700	4800	57927.6	12700	5360	57354.9	12700	5920	59053.2
12700	4810	57916.8	12700	5370	57337.5	12700	5930	59040.6
12700	4820	57914.1	12700	5380	57317.6	12700	5940	59002.4
12700	4830	57921.3	12700	5390	57311.3	12700	5950	58960.6
12700	4840	57940.0	12700	5400	57312.8	12700	5960	58888.7
12700	4850	57944.6	12700	5410	57311.0	12700	5970	58826.5
12700	4860	57975.9	12700	5420	57322.1	12700	5980	58756.9
12700	4870	57987.1	12700	5430	57284.4	12700	5990	58689.5
12700	4880	57990.4	12700	5440	57308.2	12700	6000	58613.2
12700	4890	57981.6	12700	5450	57285.2	12700	6010	58505.2
12700	4900	57981.0	12700	5460	57305.0	12700	6020	58486.5
12700	4910	57962.9	12700	5470	57321.3	12700	6030	58495.3
12700	4920	57945.3	12700	5480	57342.7	12700	6040	58470.9
12700	4930	57929.5	12700	5490	57322.2	12700	6050	58377.6
12700	4940	57921.9	12700	5500	57378.8	12700	6060	58389.2
12700	4950	57888.1	12700	5510	57399.0	12700	6070	58313.6
12700	4960	57875.3	12700	5520	57456.8	12700	6080	58277.7
12700	4970	57858.9	12700	5530	57520.2	12700	6090	58304.8
12700	4980	57842.0	12700	5540	57646.3	12700	6100	58282.0
12700	4990	57830.1	12700	5550	57668.5	12700	6110	58210.5
12700	5000	57821.2	12700	5560	57777.5	12700	6120	58196.0
12700	5010	57798.2	12700	5570	57884.6	12700	6130	58164.1
12700	5020	57780.9	12700	5580	57863.5	12700	6140	58188.9
12700	5030	57766.8	12700	5590	57914.2	12700	6150	58176.1
12700	5040	57739.3	12700	5600	57972.2	12700	6160	58090.8
12700	5050	57726.3	12700	5610	58011.2	12700	6170	58080.8

X	Y	MAG	X	Y	MAG	X	Y	MAG
12700	6180	58069.2	12700	6740	57842.8	12700	7300	57802.9
12700	6190	58082.0	12700	6750	57780.5	12700	7310	57886.5
12700	6200	58069.7	12700	6760	57768.8	12700	7320	57894.8
12700	6210	58104.4	12700	6770	57772.5	12700	7330	57894.0
12700	6220	58106.0	12700	6780	57772.4	12700	7340	57922.3
12700	6230	58088.4	12700	6790	57768.9	12700	7350	57871.6
12700	6240	58076.4	12700	6800	57829.4	12700	7360	57940.1
12700	6250	58096.4	12700	6810	57770.9	12700	7370	57974.7
12700	6260	58201.3	12700	6820	57774.5	12700	7380	57979.7
12700	6270	58000.9	12700	6830	57776.9	12700	7390	58011.8
12700	6280	57976.1	12700	6840	57781.2	12700	7400	58020.1
12700	6290	57992.5	12700	6850	57794.8	12700	7410	57973.3
12700	6300	57978.5	12700	6860	57785.3	12700	7420	58044.8
12700	6310	57982.1	12700	6870	57779.6	12700	7430	58007.2
12700	6320	57980.4	12700	6880	57784.4	12700	7440	58066.1
12700	6330	58000.5	12700	6890	57781.3	12700	7450	58084.0
12700	6340	57979.6	12700	6900	57781.7	12700	7460	58105.1
12700	6350	57970.3	12700	6910	57770.5	12700	7470	58121.0
12700	6360	57896.8	12700	6920	57824.9	12700	7480	58131.0
12700	6370	57960.4	12700	6930	57823.7	12700	7490	58140.0
12700	6380	57891.3	12700	6940	57758.4	12700	7500	58142.1
12700	6390	57888.5	12700	6950	57775.6			
12700	6400	57882.5	12700	6960	57756.0			
12700	6410	57888.8	12700	6970	57797.6			
12700	6420	57880.1	12700	6980	57754.8			
12700	6430	57866.0	12700	6990	57802.0			
12700	6440	57865.3	12700	7000	57797.2			
12700	6450	57861.6	12700	7010	57800.5			
12700	6460	57900.8	12700	7020	57757.6			
12700	6470	57890.0	12700	7030	57796.5			
12700	6480	57902.5	12700	7040	57788.9			
12700	6490	57894.8	12700	7050	57772.8			
12700	6500	57899.2	12700	7060	57772.5			
12700	6510	57896.1	12700	7070	57766.9			
12700	6520	57893.6	12700	7080	57766.8			
12700	6530	57884.5	12700	7090	57763.2			
12700	6540	57872.1	12700	7100	57771.8			
12700	6550	57880.1	12700	7110	57771.8			
12700	6560	57868.5	12700	7120	57778.1			
12700	6570	57866.5	12700	7130	57775.0			
12700	6580	57858.4	12700	7140	57786.6			
12700	6590	57866.1	12700	7150	57776.5			
12700	6600	57789.2	12700	7160	57779.9			
12700	6610	57849.7	12700	7170	57758.5			
12700	6620	57846.3	12700	7180	57701.6			
12700	6630	57864.9	12700	7190	57765.7			
12700	6640	57794.9	12700	7200	57773.3			
12700	6650	57781.6	12700	7210	57789.3			
12700	6660	57784.8	12700	7220	57778.9			
12700	6670	57796.8	12700	7230	57796.5			
12700	6680	57790.9	12700	7240	57755.6			
12700	6690	57789.7	12700	7250	57764.4			
12700	6700	57843.8	12700	7260	57821.1			
12700	6710	57774.4	12700	7270	57825.9			
12700	6720	57776.4	12700	7280	57847.6			
12700	6730	57782.4	12700	7290	57801.3			

X	Y	MAG	X	Y	MAG	X	Y	MAG
12700	8500	57848.0	13260	8500	57851.6	13820	8500	57912.6
12710	8500	57849.2	13270	8500	57852.8	13830	8500	57900.8
12720	8500	57839.4	13280	8500	57852.2	13840	8500	57909.6
12730	8500	57843.6	13290	8500	57854.0	13850	8500	57910.8
12740	8500	57846.6	13300	8500	57850.8	13860	8500	57917.8
12750	8500	57836.2	13310	8500	57861.2	13870	8500	57938.4
12760	8500	57833.6	13320	8500	57849.4	13880	8500	57947.8
12770	8500	57840.0	13330	8500	57841.4	13890	8500	57951.8
12780	8500	57854.0	13340	8500	57822.8	13900	8500	57954.6
12790	8500	57842.6	13350	8500	57813.4	13910	8500	57956.2
12800	8500	57834.6	13360	8500	57824.8	13920	8500	57945.2
12810	8500	57832.2	13370	8500	57828.4	13930	8500	57958.8
12820	8500	57828.4	13380	8500	57823.8	13940	8500	57966.8
12830	8500	57830.4	13390	8500	57809.8	13950	8500	57989.8
12840	8500	57811.8	13400	8500	57818.8	13960	8500	57956.4
12850	8500	57817.2	13410	8500	57822.4	13970	8500	57971.2
12860	8500	57828.8	13420	8500	57818.4	13980	8500	57988.4
12870	8500	57821.8	13430	8500	57813.6	13990	8500	58018.8
12880	8500	57804.8	13440	8500	57815.6	14000	8500	58024.4
12890	8500	57808.8	13450	8500	57814.2	14010	8500	58033.8
12900	8500	57821.0	13460	8500	57807.0	14020	8500	58045.0
12910	8500	57814.6	13470	8500	57800.2	14030	8500	58057.6
12920	8500	57816.4	13480	8500	57784.0	14040	8500	58061.6
12930	8500	57811.2	13490	8500	57780.4	14050	8500	58069.0
12940	8500	57809.0	13500	8500	57806.4	14060	8500	58066.0
12950	8500	57814.0	13510	8500	57814.2	14070	8500	58081.8
12960	8500	57804.8	13520	8500	57827.4	14080	8500	58106.8
12970	8500	57806.8	13530	8500	57823.6	14090	8500	58127.6
12980	8500	57799.4	13540	8500	57813.0	14100	8500	58150.0
12990	8500	57799.4	13550	8500	57811.6	14110	8500	58165.2
13000	8500	57806.2	13560	8500	57817.4	14120	8500	58155.8
13010	8500	57810.8	13570	8500	57818.4	14130	8500	58132.6
13020	8500	57803.0	13580	8500	57815.4	14140	8500	58111.8
13030	8500	57793.2	13590	8500	57808.2	14150	8500	58107.0
13040	8500	57795.6	13600	8500	57798.6	14160	8500	58111.6
13050	8500	57804.2	13610	8500	57804.6	14170	8500	58096.6
13060	8500	57797.4	13620	8500	57808.6	14180	8500	58104.6
13070	8500	57800.8	13630	8500	57830.2	14190	8500	58112.8
13080	8500	57809.6	13640	8500	57829.2	14200	8500	58120.0
13090	8500	57807.2	13650	8500	57828.2	14210	8500	58101.8
13100	8500	57804.2	13660	8500	57827.6	14220	8500	58101.0
13110	8500	57798.2	13670	8500	57831.6	14230	8500	58104.2
13120	8500	57798.6	13680	8500	57820.4	14240	8500	58113.0
13130	8500	57801.8	13690	8500	57829.4	14250	8500	58126.2
13140	8500	57800.0	13700	8500	57826.8	14260	8500	58127.2
13150	8500	57799.8	13710	8500	57834.2	14270	8500	58114.6
13160	8500	57800.0	13720	8500	57836.0	14280	8500	58111.0
13170	8500	57800.0	13730	8500	57838.6	14290	8500	58111.8
13180	8500	57815.6	13740	8500	57842.2	14300	8500	58113.8
13190	8500	57827.8	13750	8500	57847.0	14310	8500	58105.8
13200	8500	57829.6	13760	8500	57863.2	14320	8500	58118.4
13210	8500	57840.2	13770	8500	57876.2	14330	8500	58126.6
13220	8500	57849.4	13780	8500	57878.2	14340	8500	58138.6
13230	8500	57847.6	13790	8500	57868.2	14350	8500	58151.0
13240	8500	57847.6	13800	8500	57877.4	14360	8500	58154.8
13250	8500	57849.6	13810	8500	57904.6	14370	8500	58155.4

X	Y	MAG	X	Y	MAG	X	Y	MAG
14380	8500	58165.4	14940	8500	58631.2	15500	8500	58604.4
14390	8500	58159.0	14950	8500	58637.6	15510	8500	58608.4
14400	8500	58166.6	14960	8500	58640.4	15520	8500	58613.4
14410	8500	58166.4	14970	8500	58647.4	15530	8500	58611.4
14420	8500	58171.6	14980	8500	58649.4	15540	8500	58595.2
14430	8500	58176.2	14990	8500	58654.8	15550	8500	58621.8
14440	8500	58177.0	15000	8500	58663.6	15560	8500	58614.6
14450	8500	58188.6	15010	8500	58665.8	15570	8500	58615.2
14460	8500	58191.2	15020	8500	58653.4	15580	8500	58623.0
14470	8500	58204.2	15030	8500	58655.4	15590	8500	58614.6
14480	8500	58216.6	15040	8500	58671.4	15600	8500	58619.2
14490	8500	58241.2	15050	8500	58676.2	15610	8500	58611.0
14500	8500	58253.4	15060	8500	58694.4	15620	8500	58620.8
14510	8500	58249.4	15070	8500	58698.4	15630	8500	58617.8
14520	8500	58256.8	15080	8500	58685.2	15640	8500	58603.0
14530	8500	58249.8	15090	8500	58701.8	15650	8500	58610.0
14540	8500	58251.6	15100	8500	58707.0	15660	8500	58615.0
14550	8500	58250.6	15110	8500	58713.2	15670	8500	58600.8
14560	8500	58251.8	15120	8500	58712.0	15680	8500	58607.2
14570	8500	58258.8	15130	8500	58707.6	15690	8500	58607.6
14580	8500	58279.0	15140	8500	58712.0	15700	8500	58615.0
14590	8500	58286.8	15150	8500	58720.0	15710	8500	58609.4
14600	8500	58297.8	15160	8500	58722.4	15720	8500	58603.8
14610	8500	58303.0	15170	8500	58725.4	15730	8500	58604.6
14620	8500	58311.8	15180	8500	58719.2	15740	8500	58629.0
14630	8500	58341.4	15190	8500	58720.8	15750	8500	58624.0
14640	8500	58336.8	15200	8500	58730.6	15760	8500	58614.0
14650	8500	58348.8	15210	8500	58729.4	15770	8500	58611.8
14660	8500	58368.8	15220	8500	58747.0	15780	8500	58614.6
14670	8500	58402.4	15230	8500	58743.6	15790	8500	58616.4
14680	8500	58416.8	15240	8500	58751.0	15800	8500	58624.0
14690	8500	58426.2	15250	8500	58762.2	15810	8500	58637.2
14700	8500	58424.4	15260	8500	58752.6	15820	8500	58645.4
14710	8500	58425.8	15270	8500	58759.8	15830	8500	58632.2
14720	8500	58425.4	15280	8500	58756.0	15840	8500	58630.6
14730	8500	58435.4	15290	8500	58768.4	15850	8500	58653.6
14740	8500	58458.8	15300	8500	58761.6	15860	8500	58632.8
14750	8500	58450.0	15310	8500	58752.0	15870	8500	58624.2
14760	8500	58463.6	15320	8500	58756.6	15880	8500	58631.8
14770	8500	58487.8	15330	8500	58765.6	15890	8500	58643.6
14780	8500	58501.2	15340	8500	58771.0	15900	8500	58654.2
14790	8500	58515.4	15350	8500	58757.2	15910	8500	58658.6
14800	8500	58509.0	15360	8500	58760.2	15920	8500	58669.2
14810	8500	58526.0	15370	8500	58747.8	15930	8500	58678.8
14820	8500	58534.4	15380	8500	58736.8	15940	8500	58670.8
14830	8500	58533.0	15390	8500	58723.0	15950	8500	58668.0
14840	8500	58535.6	15400	8500	58725.6	15960	8500	58667.0
14850	8500	58537.0	15410	8500	58713.4	15970	8500	58676.8
14860	8500	58547.8	15420	8500	58714.8	15980	8500	58679.0
14870	8500	58556.0	15430	8500	58710.8	15990	8500	58679.8
14880	8500	58568.2	15440	8500	58686.8	16000	8500	58696.8
14890	8500	58580.8	15450	8500	58675.2	16010	8500	58722.6
14900	8500	58589.6	15460	8500	58666.6	16020	8500	58738.2
14910	8500	58603.0	15470	8500	58656.4	16030	8500	58731.6
14920	8500	58614.4	15480	8500	58635.4	16040	8500	58753.2
14930	8500	58627.4	15490	8500	58594.0	16050	8500	58767.6

X	Y	MAG	X	Y	MAG	X	Y	MAG
16060	8500	58781.2	16620	8500	59342.6	17180	8500	60030.0
16070	8500	58794.0	16630	8500	59335.6	17190	8500	60022.8
16080	8500	58823.4	16640	8500	59334.2	17200	8500	60031.2
16090	8500	58826.4	16650	8500	59331.0	17210	8500	60035.0
16100	8500	58822.0	16660	8500	59314.0	17220	8500	60042.2
16110	8500	58815.4	16670	8500	59352.0	17230	8500	60033.4
16120	8500	58824.0	16680	8500	59376.8	17240	8500	60025.0
16130	8500	58823.0	16690	8500	59392.0	17250	8500	60027.0
16140	8500	58809.0	16700	8500	59348.6	17260	8500	60003.6
16150	8500	58826.8	16710	8500	59341.6	17270	8500	60017.0
16160	8500	58808.2	16720	8500	59331.0	17280	8500	60023.4
16170	8500	58809.8	16730	8500	59339.6	17290	8500	59999.8
16180	8500	58825.8	16740	8500	59317.4	17300	8500	59980.0
16190	8500	58816.0	16750	8500	59317.0	17310	8500	59957.4
16200	8500	58817.8	16760	8500	59328.0	17320	8500	59915.4
16210	8500	58843.0	16770	8500	59337.6	17330	8500	59867.0
16220	8500	58842.8	16780	8500	59317.4	17340	8500	59826.0
16230	8500	58842.0	16790	8500	59310.0	17350	8500	59791.8
16240	8500	58851.2	16800	8500	59301.0	17360	8500	59755.6
16250	8500	58869.8	16810	8500	59313.8	17370	8500	59687.6
16260	8500	58887.0	16820	8500	59337.6	17380	8500	59636.6
16270	8500	58906.6	16830	8500	59349.2	17390	8500	59603.2
16280	8500	58923.4	16840	8500	59353.4	17400	8500	59576.0
16290	8500	58931.8	16850	8500	59375.8	17410	8500	59523.8
16300	8500	58956.4	16860	8500	59398.0	17420	8500	59496.8
16310	8500	58974.4	16870	8500	59410.8	17430	8500	59461.0
16320	8500	58946.2	16880	8500	59449.8	17440	8500	59407.4
16330	8500	59025.0	16890	8500	59467.6	17450	8500	59372.2
16340	8500	59042.4	16900	8500	59494.4	17460	8500	59348.8
16350	8500	59084.0	16910	8500	59513.0	17470	8500	59342.0
16360	8500	59106.4	16920	8500	59539.8	17480	8500	59328.4
16370	8500	59132.4	16930	8500	59572.0	17490	8500	59282.2
16380	8500	59167.6	16940	8500	59598.6	17500	8500	59248.2
16390	8500	59200.4	16950	8500	59630.2	17510	8500	59206.4
16400	8500	59224.0	16960	8500	59658.0	17520	8500	59177.0
16410	8500	59260.6	16970	8500	59699.6	17530	8500	59147.8
16420	8500	59265.2	16980	8500	59732.4	17540	8500	59133.2
16430	8500	59283.0	16990	8500	59761.0	17550	8500	59102.0
16440	8500	59291.4	17000	8500	59807.6	17560	8500	59096.6
16450	8500	59318.0	17010	8500	59875.0	17570	8500	59074.8
16460	8500	59323.2	17020	8500	59899.0	17580	8500	59042.2
16470	8500	59335.4	17030	8500	59927.2	17590	8500	59028.4
16480	8500	59327.4	17040	8500	59972.0	17600	8500	59019.8
16490	8500	59347.2	17050	8500	60008.0	17610	8500	59017.0
16500	8500	59349.6	17060	8500	60043.4	17620	8500	58993.4
16510	8500	59347.4	17070	8500	60040.4	17630	8500	58982.2
16520	8500	59330.6	17080	8500	60050.6	17640	8500	58975.6
16530	8500	59319.0	17090	8500	60074.6	17650	8500	58975.8
16540	8500	59314.8	17100	8500	60082.6	17660	8500	58987.2
16550	8500	59319.8	17110	8500	60098.6	17670	8500	58980.8
16560	8500	59326.8	17120	8500	60071.2	17680	8500	58987.4
16570	8500	59345.2	17130	8500	60062.6	17690	8500	58986.0
16580	8500	59351.2	17140	8500	60067.8	17700	8500	59001.6
16590	8500	59365.0	17150	8500	60064.2	17710	8500	59005.0
16600	8500	59356.4	17160	8500	60047.6	17720	8500	59016.2
16610	8500	59340.4	17170	8500	60043.6	17730	8500	59022.0

X	Y	MAG	X	Y	MAG	X	Y	MAG
17740	8500	59032.8						
17750	8500	59041.2						
17760	8500	59062.8						
17770	8500	59069.6						
17780	8500	59063.2						
17790	8500	59072.2						
17800	8500	59079.0						
17810	8500	59060.8						
17820	8500	59086.2						
17830	8500	59094.2						
17840	8500	59120.0						
17850	8500	59153.2						
17860	8500	59148.2						
17870	8500	59135.0						
17880	8500	59148.8						
17890	8500	59166.0						
17900	8500	59170.2						
17910	8500	59177.4						
17920	8500	59192.0						
17930	8500	59206.8						
17940	8500	59202.2						
17950	8500	59209.4						
17960	8500	59197.8						
17970	8500	59193.2						
17980	8500	59196.4						
17990	8500	59188.6						
18000	8500	59170.4						
18010	8500	59150.4						
18020	8500	59147.6						
18030	8500	59150.4						
18040	8500	59130.4						
18050	8500	59096.8						
18060	8500	59104.8						
18070	8500	59118.6						
18080	8500	59055.0						
18090	8500	59055.0						
18100	8500	59047.2						
18110	8500	59026.4						
18120	8500	59066.8						
18130	8500	59108.4						
18140	8500	59052.2						
18150	8500	59031.6						
18160	8500	59035.8						
18170	8500	58987.2						
18180	8500	58993.0						
18190	8500	58990.2						
18200	8500	59026.8						
18210	8500	59015.4						
18220	8500	59013.0						
18230	8500	58973.4						
18240	8500	58969.8						
18250	8500	58976.6						
18260	8500	58970.8						
18270	8500	58956.6						
18280	8500	58953.6						
18290	8500	58946.8						

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