

GEOFYSICAL ASSESSMENT REPORT
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NOBLE 1 - 6 CLAIMS

KAMLOOPS MINING DISTRICT

NTS:82-M-12/W

Latitude 51.38.00 N Longitude 119.48.00 W

PLACER DEVELOPMENT LIMITED

J.M. Thornton

January 1985

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

13,463

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- B - 1983 Geophysical data VLF, Proton Magnetometer

1.0 Summary

The Noble Claims on Mt. McClennan, near Clearwater, were staked in early 1983 to cover three small exhalative Pb, Zn, Ag mineral prospects located in deformed strata belonging to the Eagle Bay formation. The claims also cover two veintype Pb-Zn prospects, a gold occurrence and a gold-silver stream sediment anomaly. Assessment Report 12080 (1984) describes the initial work done by Placer Development on the property.

The 1984 work was concerned with (1) continuing the data to the south and west in order to understand the relationship of the strong anomalies in the south-west (LAKE zone) to those of the Sunrise prospect, (2) searching the area between the Snow and Sunrise prospects for mineralization at depth and (3) mapping the stratigraphy.

2.0 Introduction

2.1 Location and Access

The Noble Claims (1-6) consist of 120 contiguous units located on the south flank of Mt. McClennan on NTS sheet 82-M-12/W midway between the communities of Birch Island and Vavenby. (Figure 1) The claims are north of the Thompson River at a mean elevation of 1450 m (4800 feet), and are readily accessible via the road to the McCorvie Lakes forestry campsite.

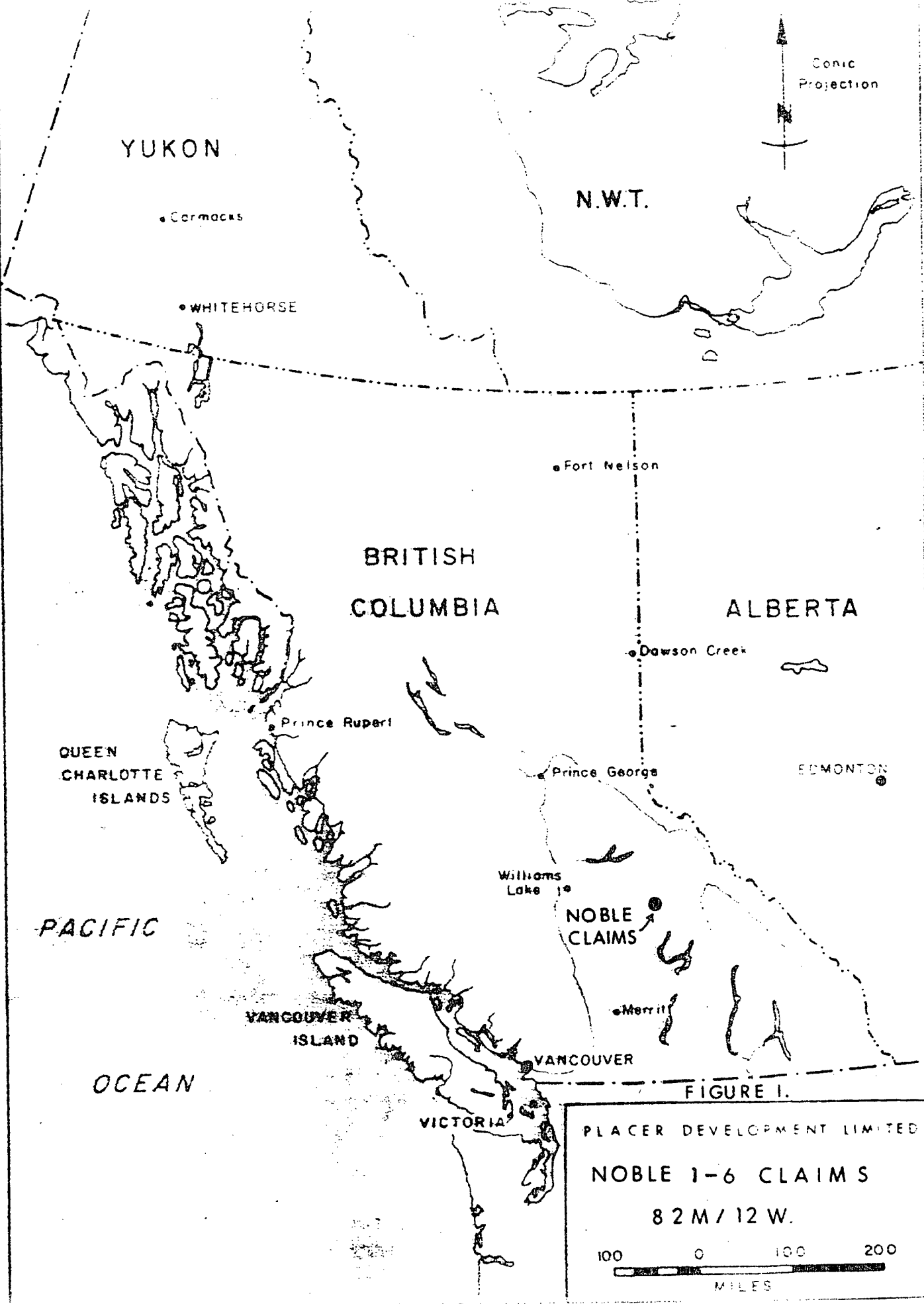
2.2 Property History and Ownership

Placer Development staked the property in March and June, 1983 to cover three Pb, Zn, Ag prospects (Redtop, Snow and Sunrise) located on an upland plateau as a result of heavy mineral regional sampling and literature studies carried out by Placer personnel.

Assessment Report 12080 filed by R. Pinsent (1984) contains a detailed history of the property from the 1920's to the present.

2.3 Claim Status

Claim	Units	Record No.	Expiry Date
Noble 1	20	4388(3)	March 30, 1987
Noble 2	20	4389(3)	March 30, 1987
Noble 3	20	4390(3)	March 30, 1987
Noble 4	20	4391(3)	March 30, 1987
Noble 5	20	4392(3)	March 30, 1987
Noble 6	20	4561(6)	June 27, 1987



3.0 Work Performed

During 1984, a total of 29.5 km of ground magnetometer and VLF (EM-16) data were gathered over north-south lines nominally spaced 150 meters apart. Enough overlap in the magnetic data was obtained to allow for base level matching between the 1983 and 1984 data sets. Both data sets were collected at 10 meter intervals. Magnetic data was corrected for diurnal drift to +/- 5 gammas (nT) and the 1984 data was level shifted by 50 gammas to match the earlier data.

In-phase and Quadrature VLF data was collected with the magnetometer data. The VLF stations at Annapolis and Cutler provided the energising field. As Cutler does not provide as strong a signal as Annapolis; the data is slightly noisier. This station was used when Annapolis was off the air.

Several Km of Crone CEM (Shootback EM) data was also gathered to provide more discrimination than the VLF data. A coil spacing of 100 meters and frequency of 1830 Hz were used to survey parts of selected lines on the property. Shootback anomalies would indicate better quality conductors, rather than the poorer conductivity targets normally revealed by the higher frequency VLF system. Additionally, it was hoped that good sources at +/- 50 meters depth would be revealed.

5.9 Km of line was surveyed between the Snow and Sunrise showings for this purpose (Lines 16+50W to 1+50E), and a further 4.5 km of data was gathered over the geophysical anomalies previously detected in the west part of the property (Noble 6 claim). This was done to test the quality of the VLF anomalies (Lines 21+50 to 28+50W) that were thought to be due to graphite. It was hoped that the CEM would provide a discriminating filter for the many VLF conductors.

The 1984 data was merged with the 1983 data and stacked profiles of the magnetics and VLF data were made at a scale of 1:5000. The in-phase EM data was subjected to the "Fraser" filtering process and profiles were plotted with the magnetic data for reference. Profiles of the CEM data were also made to the same scale. In addition, a contour map of the magnetic data was generated.

4.0 Discussion

The 1984 geophysical program echoes the earlier (1976) work carried out by Canadian Nickel. The new geophysical data and in particular, the contoured magnetic data suggests more structural deformation/complexity than was previously recognized.

The property as a whole is marked by strong magnetic and VLF anomalies, particularly at the Redtop and Sunrise showings. This is commensurate with the presence of massive pyrite and pyrrhotite at these locations.

In order to more fully interpret the magnetic data, a contour map of the average value of the data was constructed. This map does not honour each data point but is a statistically accurate representation of the data.

The antiform structure interpreted in the 1983 study has not been materially altered but the new data suggest that it has been interrupted by an uplifted block, which contains the Snow showing between lines 18+00W and 12+00W. If this is the case, it may explain the limited strike extent of the geochemical anomaly associated with the Snow prospect.

The magnetic data was also subjected to Werner deconvolution in case deep targets were hidden by near surface responses. A few deep but very limited strike length sources were suggested in several locations, notably on line 21+00 and line 18+00 W. The latter is thought to arise from a body buried approximately 20 meters.

Two interesting magnetic patterns on lines 10+50 and 7+50W can be identified as being caused by a flat lying thin sheet, and thus fit nicely with the geological interpretation although the axis of the antiform is thought to be located a little further south.

Crone CEM (Shootback) data at 1830 Hz was gathered to check the VLF data and to see if any of the VLF anomalies were due to good quality targets (ie high conductivity-thickness product). In all but 2 instances, CEM data proves that the VLF anomalies arise from very poor conductivity contrasts such as faulting, shearing and very thin and/or poorly conducting graphitic sources. No other distinct anomalies were encountered. Several points have been picked as possibly anomalous. RFS data indicates a semi-continuous marker (bed or horizon) from line 15+00 W to line 4+50 W and possibly the same again on lines 1+50 and 3+00 E.

SNOW SHOWING

The Snow showing does not exhibit a strong magnetic response but there is a magnetic marker unit interpreted to lie stratigraphically below it. (mag anomaly some 50 meters south at 300N on line 13+50W) The Snow prospect does have a small distinct VLF tilt angle anomaly that appears to be continuous from line 15+00 W to line 12+00 W. It is difficult to project the anomaly any further. No response was noted in the CEM survey data.

SUNRISE SHOWING

Magnetic data in the vicinity of the Sunrise showing suggests that it may continue to 4+50 E and is cut-off sharply at that point. The spiky nature of the magnetic data is due to the thin flat-lying source and to its erratic occurrence in the "favorable" horizon.

The magnetic feature at 300S from 1+50 E to 4+50 W and possibly further west is unexplained. It may be the repeat of the Sunrise on the south limb of the antiform. It is also characteristic of a very thin highly magnetic unit. This zone does not appear to be physically connected to the source of the magnetic data in the south-west. It may however be connected if one takes into account the combined effect of the intersection with topography and offset through uplift of the block containing the Snow prospect.

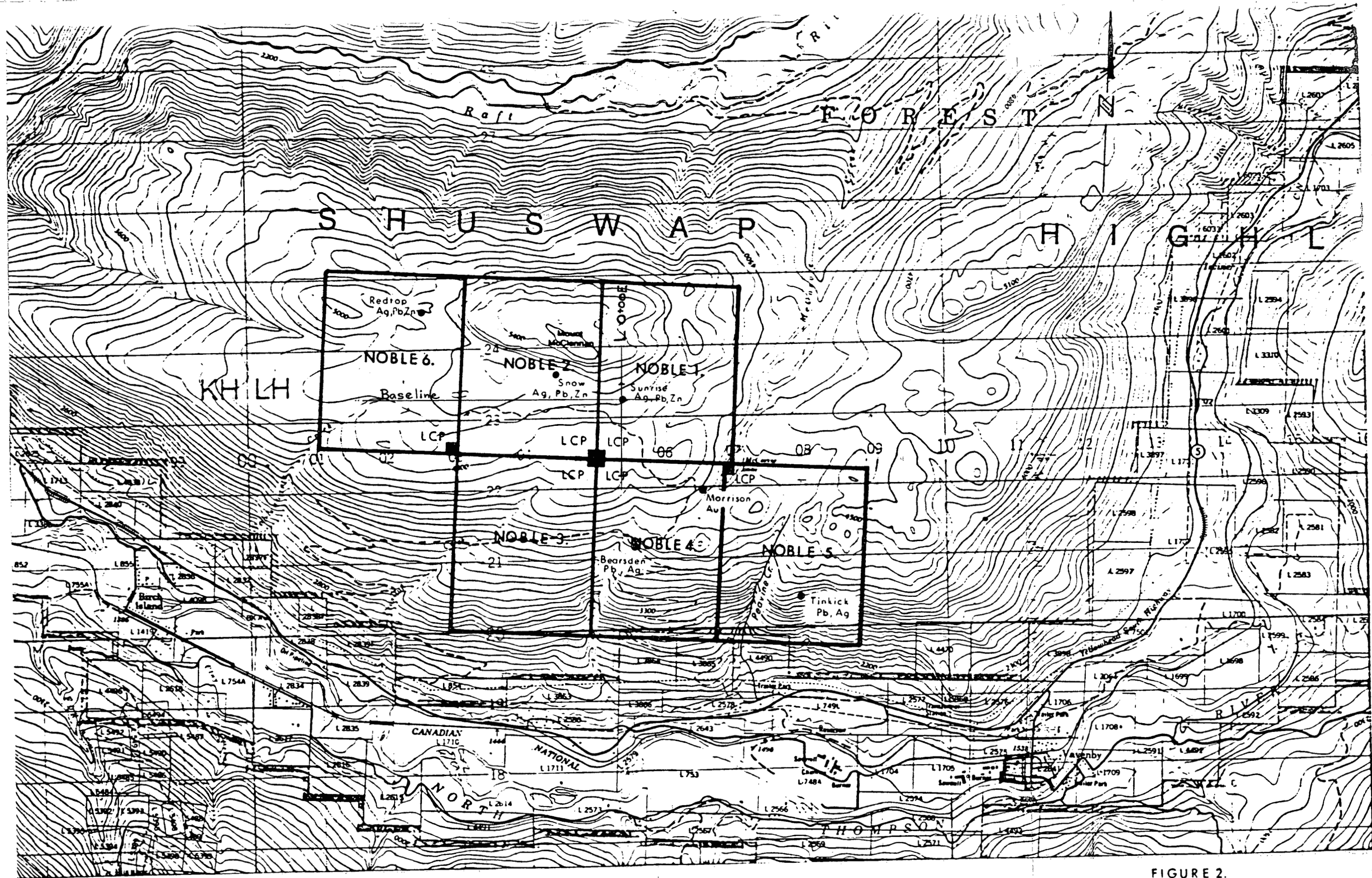


FIGURE 2.
CLAIM LOCATION MAP
NOBLE CLAIMS
82M/12W. - SCALE 1: 50000

CEM survey data over the showing does not reveal the presence of the massive pyrrhotite or pyrite visible in the showings. At 350S on line 3+00W, at the site of the strong magnetic data and co-incident VLF anomaly, only the RFS (Out of phase component of the field strength) indicates the presence of an event. It would appear that either the CEM is completely insensitive to the flat lying structures or, more likely, that this and the other anomalies have no conductivity contrast at 1830 Hz.

LAKE ZONE

Very strong magnetic and VLF responses obtained on lines 22+50W to 28+50W weaken considerably to the east and west but there is some indication that the structure does continue. These anomalies are undoubtedly due to a very thin sheet or lens of pyrrhotite. The very strong VLF in-phase responses noted on lines 24+00W to 28+50W are due to a thin graphitic horizon.

CEM data provides two good anomalies, on line 28+50 W and on line 22+50 W at approximately 6+00 S on the property grid. Both of these anomalies indicate that they extend to surface (the anomaly shape is a "W" with the central peak being greater than 0 for surface conductors). The anomaly at 22+50 W appears to be much poorer as its out of phase response is poor as well. This suggests a thinner zone rather than a poorer conductivity. Both of the anomalies exhibit a stronger flank to the south, indicative of a south dipping structure, in agreement with the geological mapping.

Data at 390 Hz was gathered for these anomalies. No response was noted in either the tilt angle or RFS (out of phase) channels, indicating the poor quality of the conductors.

Little CEM tilt angle response was noted from the very strong VLF in-phase zone approximately 200 meters north of the indicated strike of the CEM data. The assumed graphitic zone is however characterized by an increased RFS response and a poor tilt angle anomaly on line 22+50 W.

Continuity from line 22+50 W to 21+00 W in the CEM data is non-existent. Topography most probably interacts with the very flat lying structures. They may not extend to the east or may exist somewhat north of the expected strike.

5.0 Conclusions

The ground magnetometer and VLF surveys essentially duplicated the earlier work by Canadian Nickel with disappointing results. No extensions to the existing showings were evident in the data. Current interpretation indicates that the Snow showing may be terminated by two north-south linear features. (faults?)

Crone CEM (Shootback EM) was not successful in delimiting either the Snow or Sunrise showings, either because of the poor conductor quality or because of the flat-lying nature of the horizons in the vicinity of the fold axis. CEM data did not reveal any further targets worth investigating.

The Lake zone has limited strike length and it cannot be seriously considered due to the poor geochemical values encountered in the 1983 work.

6.0 Statement of Expenditures

Labour Cost - Personell

J.Thornton (Geophysical Technician)
June 11-23 & Sept 20-27 21 days @ \$240.- = 5040.-

P.Pacor (Geologist)
June 11-23 & Sept 20-27 21 days @ \$240.- = 5040.-

Room and Board

"Dutch Lake Resort", Clearwater, B.C.
21 days @ \$45.-/man/day = 1890.-

Vehicle Expense

1 4x4 Suburban @ \$40/day = 840.-

Report Preparation

Computer costs (map generation) = 1000.-

J. Thornton 8 days @ \$240.- = 1920.-

Map Reproductions = 200.-

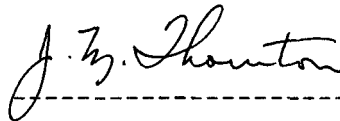
TOTAL 15930.-

7.0 Statement of Qualifications

I, Jeremy M. Thornton, of 3393 Fairmont Road, North Vancouver, B.C. (V7R 2W7) do hereby certify that:

1. I am employed by Placer Development Limited, of 1200-1055 Dunsmuir Street, Vancouver, B.C. (V7X 1P1)
2. I am a graduate of B.C.I.T. (Electronics) in 1967.
3. I have practiced as a geophysical technician and geophysicist continuously since 1967.
4. I have carried out the work, and have interpreted the data contained in this report.
5. I have no carried or active interest in this property.

Respectfully submitted



J.M. Thornton January 29, 1985

Appendix A
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1984 Data

Proton Magnetometer data	1 - 5
EM-16 VLF In-phase	6 - 10
Quadrature	11 - 15
CEM (Shootback EM)	
Vertical Loop EM	16 - 18

\$\$LINE\$\$MAG

GROUND MAGNETOMETER

NOBLE CLAIMS

PP/JMT

JUNE 1984

151	750	-1200	750	300*	750E									
8114	8088	8079	8077	8066	8055	8059	8045	8044	8044	8032	8033	8050	8043	8045
8069	8038	8056	8069	8071	8061	8054	8043	8051	8050	8037	8045	8075	8085	8079
8067	8066	8081	8099	8088	8154	8037	8078	8094	8082	8071	807099999	8053	8054	
8044	8026	8024	8003	8009	8010	8018	8029	8041	8043	8031	8032	8032	8025	8005
7988	7940	7935	7917	7939	7949	7945	7946	7967	8002	8019	8006	7991	7978	7989
7963	7963	7935	7974	7969	7953	8006	7974	7985	7992	7973	8005	8022	8046	8020
8006	7988	7993	7997	7995	7992	8009	8053	8061	7882	7760	7731	8207	7872	8114
8138	7939	7842	7786	7768	7800	7970	7970	8120	8127	8069	8086	8051	8081	8115
7990	7997	7988	8073	8050	8085	8076	8065	8070	8056	8068	8080	8067	8081	8054
8041	8036	8028	8048	8030	8047	8021	8024	8059	8083	8129	8144	8107	8090	8111
8139														
156	600	-1250	600	300*	600E									
8092	7907	7890	7867	8025	8046	8065	8062	8049	8045	8045	8036	8034	8020	8029
8043	8052	8051	8055	8066	8074	8072	8069	8097	8101	8071	8045	8017	8033	8042
8039	8057	8046	8046	8041	8031	8020	8021	8020	8011	8006	8014	8026	802899999	
8022	7995	7970	7990	7995	8005	8000	7999	8001	7999	8016	8001	7984	7983	7984
7986	7970	7956	7964	7969	7969	7948	7953	7975	7969	7942	7947	7934	7932	7981
7984	7961	8006	7988	7975	7973	7968	7978	7984	8017	8041	8036	8037	8020	8013
8008	8019	8022	8040	8038	8022	8138	8167	8098	8075	8047	8067	8018	7985	7996
7935	7988	8096	8018	7890	7630	7727	7726	7766	7837	7941	7966	7982	8004	8018
8048	8030	8046	8050	8040	8053	8029	8019	8014	8001	8005	8010	8020	8004	8070
8050	8058	8050	8065	8033	8014	7962	8016	8018	8010	7984	8058	8041	8061	8064
8058	8028	8039	8054	8057	8021									
151	450	-1200	450	300*	450E									
7943	7932	7926	7911	7914	7893	7840	7790	7815	7823	7856	7890	7915	8144	8197
8140	8093	8057	7956	7806	8144	8443	8484	8283	8162	8032	7984	8028	8031	8041
8109	8123	8211	8542	9221	8605	8021	7879	7831	7743	7949	7938	8027	7963	7925
7850	7877	7889	7862	7863	7824	7957	8020	7687	8146	8240	8311	7975	8036	7914
8018	8025	8026	8016	8013	8001	8003	8037	8022	8007	8020	8031	8067	8009	7993
8009	8035	8026	7999	7997	7977	7846	7927	7713	7749	7999	8076	7880	7771	8107
8163	8025	7953	7944	7999	7991	8085	8088	8075	8071	8059	8042	8114	8121	8052
8054	8169	8261	8489	8270	8011	7982	8003	8016	7993	7985	8001	8279	7156	7171
6592	7729	9158	8768	8625	8380	8109	7883	7936	7813	7191	8239	8343	8347	8387
8247	7909	8034	8048	8046	8048	8054	8075	8071	8117	8138	8162	8177	8244	8263
8414														
152	300	-1200	300	310*	300E									
8309	8284	8281	8245	8231	8110	8004	7957	7919	7841	7828	7867	7900	7937	7948
8033	8027	8021	8001	7980	8006	8328	8151	8224	7998	7991	8034	8156	8008	8066
8201	8195	8151	8027	8132	8126	7877	7960	8072	8077	8093	8137	8216	8289	8074
7260	7718	7947	8009	8046	8078	8096	8063	8040	8052	802499999	8016	8017	8004	
8027	8035	8090	8099	8056	8003	8006	7909	7984	8113	8174	8126	8076	8047	8032
7985	7961	7983	8167	8157	8082	7994	7894	7853	8073	8056	8072	7828	7969	7896
7636	7629	7543	7792	8005	8135	8353	8490	8555	8380	8190	8364	8373	7950	8118
8024	7968	7895	7769	7394	6553	8336	8065	8005	8005	8001	7959	8019	8026	8018
799599999999999			7987	7833	7862	5544	5288	8295	8080	8092	8058	8128	8180	8443
10062	8203	8498	8690	8316	7911	7930	7907	7976	8037	7964	7993	7993	7999	8099
8131	8307													

96	150	-1200	150	-250*	150E										
7909	7930	7957	7980	7968	7985	7990	8022	8038	7979	8018	7991	8042	8044	7996	
7972	7974	7955	7981	7978	7903	7960	7941	7975	7982	8003	8014	8047	8088	8092	
8032	7993	7952	7954	7992	8032	8066	7984	7802	7914	7923	7923	7905	7907	7938	
7918	7931	7931	7943	7964	7933	7934	8026	7993	8006	7895	7830	8082	8054	8034	
8057	8044	8035	8081	8073	7964	7946	7942	8100	8208	8093	8003	7947	7907	7988	
8070	8096	8209	8208	7957	8247	8490	8174	8129	7466	6837	5092	5971	6934	7439	
7660	7287	7795	8051	7960	7960										
96	0	-1250	0	-300*	0										
7914	7933	7950	7961	7971	7950	7953	7886	7910	7877	7790	7684	7545	7741	8436	
8442	8274	8372	8202	8092	8247	8275	8202	8122	8082	8057	8109	7969	8027	8010	
7977	7990	8029	8066	8052	8035	7997	8008	8016	8032	8051	8102	8151	8073	8054	
8301	7938	8085	8077	8102	8102	8093	8082	8063	7995	7879	7688	7677	7770	7842	
7722	7960	7974	7976	8019	7993	799499999	799599999	7981	8010	8017	8034	7971			
7979	8005	8051	8018	8020	8008	7997	8007	7996	7997	7992	8063	8159	8133	8093	
7990	8034	8468	8629	8834	9211										
91	-150	-1200	-150	-300*	150W										
7881	7916	7944	8020	8051	8006	8052	8115	8172	8557	8406	7819	8023	8104	8049	
7652	7872	7824	7248	8253	8424	8534	8580	8445	8287	7972	7943	7944	7946	8043	
7975	8033	8026	7968	7909	7876	7770	8238	8373	8277	8236	8271	8220	8175	8137	
8139	8117	8171	8300	8259	8335	8254	8193	8152	8078	7735	8132	8603	9072	8489	
8132	8025	7950	7931	7935	7972	7980999999999	7996	8002	7988	7992	7984	7982			
7980	7986	8042	8107	8086	8112	8076	8009	8162	8083	81081009211958	8217	8037			
8000															
93	-300	-1200	-300	-280*	300W										
8045	8045	8052	8079	8178	8201	8171	7908	7975	7942	7776	7290	7917	7988	8065	
8041	8003	8035	7865	8176	8593	8238	8086	8060	7886	8065	7990	8103	8223	8082	
8087	8068	8024	7997	7991	8056	8075	8064	8026	7984	7991	8035	7924	7796	7845	
7873	7850	7764	7813	8164	8372	8516	8449	8093	8008	7897	7597	7924	7962	7975	
7986	8009	8003	8005	8026	8039	8037	8050	8039	8044	8061	8078	8086	8102	8118	
8110	8093	8092	8110	8082	8047	7990	7973	7588	5842	4053	3638	8524	6419	7380	
7711	7827	7908													
81	-450	-1200	-450	-400*	450W										
7981	8024	8022	8017	8006	7999	8014	8011	7995	8016	7995	8006999999999	8011			
8023	8265	7895	7937	7976	8008	8091	7894	8027	8070	7983	7984	8011	8027	8028	
8087	7932	8033	8068	8066	8022	8083	8067	8055	8077	8188	8328	8318	8330	8339	
7914	8376	8025	7916	7984	8019	8079	8499	909610541	8358	8876	8126	8070	8013		
7978	8027	8021	8030	8049	8049	8034	8031	8036	8030	8047	8016	8020	8000	8010	
8003	7962	7941	7982	8040	7922										
88	-600	-1270	-600	-400*	600W										
8059	8063	8107	8132	8165	8169	8182	8182	8155	8101	8045	8000	8043	8050	8063	
8062	8062	8142	8166	8172	8227	8245	8099	7697	7145	8271	8518	8022	7923	8090	
8103	8008	8056	8122	8132	8140	8124	8106	8056	8048	8053	8043	8000	7859	8017	
8018	7920	7689	7070	7122	7376	8106	8273	8249	8247	8285	8182	7628	8111	8127	
8049	7992	7964	7998	8010	8026	8048	8073	8092	8108	8118	8043	8043	8158	8461	
7750	7884	7993	7983	8043	8022	7983	8011	8033	8011	800499999	8043				
78	-750	-1200	-750	-430*	750W										
8068	8430	8132	8189	8147	8147	8369	8473	8563	8848	9107	8370	7781	7485	7868	
7836	7805	7869	7901	7956	8054	8178	8218	8209	8143	8131	8106	8085	8070	8091	
8105	8117	8164	8197	8222	8193	8160	8341	8223	7739	7463	7352	7862	7969	7804	
7510	7686	8169	8164	7995	7955	7970	8025	8050	8006	7998	7992	7962	7967	7905	
8011	8037	7921	8008	8019	8028	8025	8019	8005	8022	8022	8016	8017	8016	8075	
8097	7960	7975													

114 -3150 -1150 -3150 -20* 3150W
 8169 8186 8171 8180 8219 8170 8123 8130 8129 8150 8147 8134 8154 816199999
 8154 8192 8333 8132 8079 7979 7960 7995 8077 8183 8359 8044 8044 8045 8087
 8088 8080 8063 7978 7925 7889 7956 7940 7923 7971 7986 8280 7918 7904 7933
 7946 7935 7991 8039 8006 8030 8065 8102 8013 8040 8066 8112 8081 8049 8104
 8044 8054 8136 8089 8039 7945 7850 7902 7941 7946 7938 8064 7954 8017 8361
 8464 8331 8299 8213 8080 8007 8031 8001 8020 8079 8060 8034 8013 8008 8014
 8032 7996 8005 8014 8003 8015 8044 8052 8018 8002 7994 8019 8010 8030 8046
 8022 8017 8000 8008 7969 7985 8010 8030 8035
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 8110 8002 8043 8023 8031 8030 8037 8040 8035 8030 8022 8055 8035 8027 8019
 8025 8030 8093 8176 8091 8150 7985 8068 8001 8080 7996 8013 8019 8027 8099
 8061 8050 8082 8069 8082 8069 8073 8091 8262 8376 7906 8045 8044 8055 8057
 8071 8067 8092 8149 8124 8101 8169 8251 8023 8026 8002 8197 8155 8176 8327
 8194 8222 8150 8050 8017 8017 8025 8034 8029 8044 8059 8056 8051 8051 8057
 8068 8082 8096 8097 8093 8086 8077 8065 8054 8056 8038 8053 8052 8059 8056
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 8046 8040 8013 8021 8031
 106 -3450 -1050 -3450 0* 3450W
 8048 8056 8039 8061 8044 8050 8036 8038 8027 8013 8007 7998 7985 7950 7980
 7956 8056 8127 8080 8040 8028 8045 8062 8060 8078 8060 8084 8060 8013 7965
 8011 8053 7989 7855 8030 8013 8053 8011 7875 7827 7916 8017 8029 8046 8064
 8058 8123 8103 8052 7973 7846 7957 8186 8191 8175 8089 8077 8040 7997 8016
 7988 8035 8049 8065 8060 8057 8038 8029 8035 8073 8094 8080 8067 8224 8230
 8554 9077 8427 8995 8838 8071 8058 8022 8002 8023 8069 8086 8095 8080 8052
 8039 8025 8041 8067 8049 8042 8061 8021 8010 8001 7996 8028 8033 8010 8019
 7997
 120 -3600 -1200 -3600 0* 3600W
 8044 8050 8048 8048 8050 8048 8050 8061 8148 8284 8494 8644 7419 7934 7994
 8057 8060 8083 8064 8297 8092 8141 8586 8423 8181 8113 8086 8088 8133 8093
 8071 8057 8009 7992 8000 8004 7974 7978 8002 8005 8023 8099 8175 8091 8029
 8017 8035 8081 8071 8078 8113 8422 8329 8153 8054 8021 7983 8006 8000 8028
 8036 8004 8035 8033 8067 8092 8132 8094 8161 8156 8099 8087 8115 8180 8195
 8193 8171 8157 8100 8084 8087 8071 8093 8096 8109 8126 8106 8078 8043 8044
 8011 8016 8019 8025 8036 8028 8030 8049 8053 8043 8046 8055 8061 8032 8057
 8050 8061 8018 7999 7997 8041 8061 8047 8036 8037 8175 7939 8035 8027 7898
 121 -3750 -1200 -3750 0* 3750W
 7994 7957 7949 7937 7927 7765 7700 7807 7936 7956 7966 7986 8022 8086 8097
 8048 8039 8001 7888 7862 7903 7933 7891 8013 8012 7957 8229 8153 8104 8036
 8007 8001 7975 7956 7976 8063 8181 8193 7987 7947 8083 8234 7723 7767 7820
 8037 8013 7998 8021 7997 7998 8017 8016 8014 8016 8011 8028 7982 8008 7977
 7960 8063 8426 8210 7496 7049 7910 8016 8139 8187 7948 7927 7971 7897 8060
 8270 8193 8162 8138 8117 8106 8101 8051 8113 8073 8085 8089 8063 8049 8060
 8052 8037 8033 8028 8021 8047 8061 8074 8034 8041 8063 8098 8124 7907 7984
 8075 8215 8193 8083 8065 8088 8123 8109 8092 8094 8095 8103 8096 8135 8113
 8064

EM-16	(ANNAPOLIS)			JUNE 1984			PP/JMT		NOBLE CLAIMS						
151	750	-1200		750	300*		750E								
1	0	0	-1	-3	-4	-4	-3	-3	-4	-4	-5	-5	-4	-5	
-4	-5	-5	-4	-5	-4	-3	-3	-4	-4	-5	-5	-5	-1	-6	
-6	-5	-5	-5	-5	-3	-5	-5	-5	-4	-5	-699999	-6	-4		
-4	-3	-4	-3	-3	-3	-3	-4	-6	-4	-4	-4	-5	-5	-8	
-9	-10	-10	-13	-10	-6	0	6	11	13	15	12	13	15	14	
21	28	34	32	25	3	-10	0	11	15	16	15	16	14	10	
13	18	25	23	6	19	20	17	13	6	6	1	-2	-3	-4	
-4	-2	0	4	6	6	5	5	5	1	-5	-8	-3	2	5	
9	12	18	20	21	21	16	13	12	7	5	3	-1	0	-1	
0	-4	-4	-4	-3	3	5	8	9	12	15	14	16	17	19	
23															
156	600	-1250		600	300*		600E								
2	-4	3	8	7	4	3	0	-2	-2	0	1	-1	0	0	
1	0	-1	-2	-2	-2	-4	-2	-1	0	-3	-5	-3	-2	-4	
-3	-4	-4	-5	-5	-5	-4	-3	-4	-4	-4	-5	-5	-599999		
-4	-1	0	1	1	2	2	2	1	0	0	-2	-5	-7	-10	
-11	-14	-15	-14	-16	-15	-15	-13	-13	-10	-6	-4	1	5	8	
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-2	3	8	11	12	7	9	10	10	15	18	18	20	21	20	
20	15	12	10	4	1	-4	-7	-10	-6	0	5	10	14	18	
17	16	13	14	14	15	14	14	12	9	9	8	8	4	3	
0	0	0	2	2	0	-3	2	4	5	9	9	9	11	11	
13	16	19	19	20	21										
151	450	-1200		450	300*		450E								
11	16	20	19	22	20	12	0	1	5	11	13	8	2	1	
1	1	3	9	8	4	3	6	9	3	-2	-4	-5	-1	0	
4	3	1	-2	-9	0	8	7	-4	-78	-58	-38	-20	-12	-6	
-6	2	6	9	12	10	6	5	-2	-9	-19	-31	-35	-31	-25	
-18	-14	-10	-8	-3	-2	2	3	5	11	15	21	14	14	17	
19	19	21	22	24	25	26	23	20	17	15	20	19	19	17	
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-2	1	3	3	4	3	2	2	3	8	9	13	16	20	23	
29															
152	300	-1200		300	310*		300E								
6	9	11	11	9	0	-5	-10	-8	-11	-8	-1	3	5	11	
22	24	26	35	40	42	8	10	0	-1	14	24	9	5	-5	
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-28	-32	-30	-26	-18	-18	-15	-13	-10	-8	-699999	-5	-2	-4		
-3	0	0	4	6	8	11	15	11	11	10	16	13	13	9	
9	10	8	6	6	8	8	12	17	18	19	19	23	21	20	
18	17	15	14	15	15	12	11	6	6	5	10	10	7	6	
4	7	9	12	15	14	14	15	15	9	7	10	14	14	18	
25999999999999			30	36	43	19	9	-3	1	8	8	7	-8	-8	
1	1	-2	-1	-8	-7	-4	-4	1	3	7	12	17	20	30	
32	37														
96	-150	-1200		150	-250*		150E								
14	18	21	23	23	22	14	11	13	16	16	19	18	17	9	
5	-8	-17	-16	-15	-15	-11	-14	-8	-5	-6	-4	-5	-8	-12	
-13	-9	-11	-8	-5	-7	-13	-18	-28	-31	-26	-24	-20	-18	-12	
-12	-10	-8	-3	-1	-1	0	0	1	2	8	13	16	17	18	

21	22	21	23	15	15	13	11	10	2	3	4	8	18	18
21	23	30	20	18	12	5	-4	-5	-2	2	66	12	14	14
17	16	15	12	8	4									
96	0	-1250		0	-300*			0						
-1	-1	9	12	12	12	14	16	13	17	18	16	13	7	-4
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23	22	27	20	22	20	20	15	9	7	2	-5	-7	-5	0
7	8	0	-7	-11	-11	-15999999	-15999999			-15	-8	-5	-1	0
2	5	5	10	8	6	9	14	18	20	22	21	22	21	20
20	22	26	26	25	25									
91	-150	-1200		-150	-300*		150W							
11	10	8	1	-2	-4	-5	-7	-6	-10	-18	-7	-5	0	4
66	4	8	12	8	6	4	4	7	10	17	24	24	21	18
17	17	9	8	7	6	0	-6	-2	2	7	10	12	17	20
23	23	20	17	6	-7	-5	-3	2	4	7	6	4	3	1
2	0	-3	-5	-5	1	-299999999999				-6	-5	-5	-5	-4
0	5	27	28	19	20	18	17	15	14	13	12	10	9	6
8														
93	-300	-1200		-300	-280*		300W							
10	5	2	2	2	4	7	10	12	14	15	17	18	20	20
21	21	12	-9	-4	-2	-3	-2	-2	-1	0	-2	-4	-10	-9
-7	-1	2	0	5	8	10	14	16	13	10	5	-5	-9	-9
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-1	6	8	9	7	7	3	1	0	2	1	1	3	2	5
7	13	21	27	30	29	25	24	24	25	19	-1	-13	-21	-25
-19	-16	-13												
81	-450	-1200		-450	-400*		450W							
16	14	14	9	3	4	4	3	4	8	9	11999999999999			11
11	11	11	12	13	13	10	6	2	3	8	11	13	14	14
10	0	-3	0	4	9	13	17	17	15	2	-19	-19	-5	4
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-6	0	6	9	12	15	17	13	9	7	7	9	10	11	10
9	9	11	14	9	9									
88	-600	-1270		-600	-400*		600W							
20	22	19	19	19	18	17	14	12	12	11	10	9	8	9
11	12	14	15	18	21	24	25	22	8	-1	6	10	5	-11
-12	-3	2	5	0	1	3	7	13	17	16	10	6	3	3
5	6	8	-2	-3	1	3	6	7	4	5	1	-4	-5	-6
-6	-4	-2	-9	-16	-10	-7	-5	-4	-1	4	7	11	11	12
11	11	12	11	9	4	2	0	-2	-1	3999999	8			
78	-750	-1200		-750	-430*		750W							
22	21	20	20	15	13	13	17	19	21	23	22	20	5	-3
-4	-1	3	5	9	7	6	6	8	4	-2	1	3	3	1
0	3	10	17	23	21	22	15	10	8	-8	-15	-7	5	8
4	4	1	-2	-3	-1	-2	-5	-9	-9	-8	-7	-9	-7	-9
-10	-11	-12	-12	-10	-9	-4	-2	1	3	5	8	10	14	17
21	28	29												
88	-900	-1220		-900	-350*		900W							
24	24	25	26	25	23	24	24	25	24	19	17	12	5	1
-4	-2	-1	-1	4	4	5	7	6	9	11	10	12	11	10
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-23	-19	-14	-6	0	-2	4	2	2	0	4	5	5	6	6
7	10	14	17	19	20	21	23	25	29	34	23	18		

81	-1050	-1100	-1050	-300*	1050W									
15	15	14	14	14	12	13	14	14	14	15	13	14	18	17
18	14	13	12	9	8	8	9	11	12	7	2	-4	-12	-13
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-13	-14	-13	-14	-18	-17	-16	-9	-5	2	4	4	4	3	2
5	7	8	12	12	10	10	9	23	19	1699999		18	13	15
18	13	13	14	11	17									
75	-1200	-1200	-1200	-460*	1200W									
22	20	18	16	15	14	15	15	14	13	14	14	15	19	24
27	25	23	17	9	8	1	-2	-4	-7	-10	-15	-5	-1	9
13	14	11	11	12	13	10	6	2	-2	-5	-2	-1	1	0
1	1	3	3	3	0	-1	-3	-1	-5	-6	-11	-11	-7	-7
-5	-5	0	2	6	9	5	4	5	6	7	5	5	3	3
70	-1350	-1140	-1350	-450*	1350W									
26	22	21	20	19	18	18	17	17	15	15	14	12	14	17
18	21	24	23	20	15	10	5	1	-1	-2	-10	-10	-5	-2
2	8	10	13	12	10	10	12	11	11	5	2	0	-2	-2
-2	-2	0	4	6	4	5	3	1	-2	0	-4	-5	-5	-2
-1	0	2	5	8	13	15	15	16	14					
76	-1500	-1200	-1500	-450*	1500W									
18	18	17	17	16	16	16	15	16	16	17	17	20	19	19
20	19	19	18	17	15	13	10	9	9	8	6	4	4	3
2	1	3	3	7	8	7	8	8	6	3	0	-3	-4	-5
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0	-2	-3	-7	-9	-6	-4	-1	1	6	11	13	17	19	20
21														
101	-1650	-1100	-1650	-100*	1650W									
28	26	24	22	23	22	21	20	18	16	13	10	9	8	7
6	6	4	4	3	-1	-2	-2	1	3	5	7	7	7	8
10	10	9	6	5	6	5	7	7	7	7	6	6	6	9
3	1	3	2	3	0	2	3	1	0	-1	1	1	4	5
9	7	8	9	12	12	13	14	14	18	24	23	35	26	26
2599999999999		22	20	19	20	22	20	17	15	12	1	10	11	
10	10	5	8	9	10	11	10	11	3	2				
101	-1800	-1100	-1800	-100*	1800W									
30	28	26	25	24	25	24	22	21	21	20	17	15	14	13
11	10	7	7	5	5	6	6	6	7	8	10	11	13	13
12	12	12	12	12	11	9	8	9	9	7	8	7	3	0
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10	8	5	4	4	10	13	15	18	15	12	9	4	1	1
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12	12	17	16	14	12	9	9	8	8	8				
88	-1950	-1120	-1950	-250*	1950W									
13	14	13	15	15	13	13	10	10	9	8	9	9	10	10
10	11	9	5	3	1	0	-2	-5999999999999		-5	-4	0	3	
7	8	7	6	9	8	8	4	2	-2	-4	-4	1	2	5
10	10	11	6	2	2	0	0	4	7	7	13	16	17	15
9	5	0	3	7	7	7	6	8	9	10	10	11	12	11
11	12	9	5	0	-4	-10	-12	-17	-15	-15	-12	-8		
100	-2100	-1090	-2100	-100*	2100W									
17	18	18	20	20	18	16	15	19	17	18	20	20	19	13
1	-1	2	3	2	0	-1	-2	0	0	3	5	5	9	10
11	10	11	12	13	12	10	8	6	5	4	4	6	13	14
14	13	12	6	2	0	0	-1	0	1	1	2	0	1	0
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23	18	14	10	7	-8	-24	-22	-22	-20	-18	-13	-11	-8	-5
-6	-5	-6	-4	-2	-1	0	0	-1	0					
104	-2250	-1130	-2250		-100*		2250W							
18	17	18	20	21	20	19	18	17	17	15	15	13	12	11
10	7	2	-1	-3	-6	-7	-6	-4	1	2	5	5	6	4
4	3	2	2	0	0	2	5	2	1	6	10	10	11	11
10	10	10	9	8	11	14	15	21	21	24	25	20	7	-1
-6	-4	-1	-3	0	-3	-13	-20	-18	-11	-6	-2	5	9	11
15	16	15	16	18	17	17	22	25	26	26	26	24	18	15
10	4	-4	-9	-17	-28	-38	-38	-20	-33	-20	-9	-7	-4	
30	-2400	-1150	-2400		-860*		2400W							
28	26	26	23	22	19	17	15	13	12	11	8	9	12	14
15	15	17	14	11	6	2	-2	-5	-6	-7	-4	-2	3	7
56	-2550	-1150	-2550		-600*		2550W							
34	30	28	23	22	20	16	15	11	9	8	9	9	11	15
18	22	21	17	15	7	3	0	-5	-7	-6	-1	0	5	9
9	10	10	10	7	5	4	4	2	2	1	-1	1	3	4
4	6	7	7	6	6	8	11	14	21	15				
24	-2700	-1130	-2700		-900*		2700W							
37	36	33	31	27	23	18	14	12	11	13	9	8	12	13
13	15	13	11	10	12	17	25	24						
38	-2700	-370	-2700		0*		2700W							
-11	-6	-1	9	12	12	11	11	14	13	13	8	-2	-24	-51
-38	-31	-26	-21	-20	-16	-15	-13	-12	-11	-10	-9	-7	-6	-4
-4	-3	-2	-1	1	0	2	3							
36	-2850	-1150	-2850		-800*		2850W							
20	21	22	22	21	22	24	26	26	28	28	24	21	19	13
4	-5	-6	-3	-1	1	5	9	15	16	16	12	7	2	0
3	5	4	8	9	7									
40	-2850	-390	-2850		0*		2850W							
0	-2	-2	-6	-10	-13	-15	-17	-14	-13	-10	-10	-9	-7	-6
-3	-8	-18	-20	-16	-10	-7	-5	-5	-1	-2	-1	-1	0	2
3	3	4	4	5	5	7	6	11	10					
115	-3000	-1150	-3000		0*		3000W							
13	10	15	16	19	20	25	24	21	12	11	10	7	2	3
-2	-7	-5	-6	-5	-8	-10	-8	-6	-6	-3	0	-1	-1	0
-5	-7	-7	-4	2	7	9	14	16	21	19	15	14	12	12
13	17	16	15	12	12	12	9	6	4	-1	-1	-17	-16	-12
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-17	-19	-20	-19	-19	-21	-21	-19	-18	-17	-16	-13	-12	-11	-10
-8	-7	-5	-4	-1	-1	0	0	1	1	2	3	4	3	4
5	5	6	6	8	8	10	10	12	14					
114	-3150	-1150	-3150		-20*		3150W							
14	12	13	14	19	24	20	18	14	10	5	2	1	-19	-19
-3	-4	-1	2	2	3	4	6	6	7	11	8	7	7	5
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3	3	2	1	0	-1	-7	-6	-6	-5	-9	-12	-12	-12	-10
-10	-11	-12	-13	-13	-11	-10	-9	-9	-7	-5	-7	-9	-4	-3
0	1	1	2	3	5	7	4	4	3	3	4	3	3	3
4	5	3	5	3	3	2	0	1						
110	-3300	-1170	-3300		20*		3300W							
13	14	15	13	14	15	15	19	17	17	17	17	17	17	13
13	13	12	10	10	10	12	14	14	15	13	14	12	12	11
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15	16	15	13	13	11	11	-3	-22	-23	-17	-21	-19	-15	-11
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7	6	8	6	4	3	-1	-5	-7	-10	-11	-11	-11	-11	-11
-12	-11	-13	-17	-16	-19	-20	-22	-20	-18	-17	-11	-9	-7	-2
0	-1	0	0	2										
106	-3450	-1050	-3450			0*	3450W							
12	11	12	11	11	11	11	12	13	13	15	14	13	13	14
16	15	15	15	14	13	12	12	10	11	10	10	10	9	11
11	9	8	8	9	11	11	17	8	-1	-10	-3	4	8	12
17	21	22	18	11	-3	-15	-22	-16	-14	-10	-6	-4	2	4
14	15	19	20	22	22	24	27	25	25	24	18	13	10	4
7	9	4	-14	-35	-30	-21	-19	-14	-8	-4	-4	-5	-7	-10
-10	-7	-5	-6	-5	-4	-2	-4	-4	-3	-6	-7	-10	-10	-12
-15														
120	-3600	-1200	-3600			0*	3600W							
18	17	17	16	16	17	15	13	11	11	12	9	15	16	15
11	9	8	7	9	16	15	14	14	15	15	14	13	12	11
11	10	10	7	8	7	5	5	4	1	2	1	-1	-4	-5
-7	-9	-8	-7	-7	-8	-8	-6	-4	0	2	4	7	6	5
4	6	7	9	11	10	11	10	9	12	11	11	10	9	8
6	6	5	4	-2	-7	-9	-12	-14	-15	-13	-14	-15	-14	-12
-10	-6	-4	-2	0	1	2	2	1	2	2	-1	-6	-11	-15
-20	-23	-26	-27	-29	-28	-23	-23	-20	-17	-14	-12	-11	-9	-5
121	-3750	-1200	-3750			0*	3750W							
17	16	14	13	11	12	9	8	9	11	13	15	14	17	19
20	20	20	20	19	21	20	19	17	6	0	-2	-3	-3	-3
-1	4	7	7	5	4	-7	-15	-16	-15	-17	-13	-8	-1	1
2	4	8	9	9	12	13	12	13	15	16	18	18	19	20
20	21	17	15	12	8	1	-5	-16	-19	-16	-11	-4	5	12
13	10	10	8	6	2	-2	-4	-4	-3	-1	-1	-3	-3	-5
-7	-7	-6	-7	-10	-11	-13	-14	-14	-9	-5	-2	-3	-2	1
3	3	7	9	9	6	-5	-10	-10	-9	-10	-6	-5	-4	-1
0														

\$\$LINE\$\$QUAD														
EM-16	(ANNAPOLIS)			JUNE 1984			PP/JMT	NOBLE CLAIMS						
151	750	-1200		750	300*		750E							
4	5	6	7	6	6	6	6	8	8	8	6	5	2	2
0	-2	-2	-1	-4	-3	-2	0	-2	-2	-2	0	0	0	-1
-2	0	1	0	0	0	1	0	1	2	2	299999	1	0	
2	2	3	5	6	6	5	4	4	4	2	1	2	2	0
0	2	3	-1	-2	1	0	-1	0	0	-4	-7	-9	-10	-12
-12	-8	-6	-3	-2	-7	-15	-14	-6	0	2	3	5	4	-1
0	4	6	5	6	8	8	12	12	13	13	8	7	4	2
-1	2	5	5	6	7	7	6	4	3	-2	-4	-4	-1	-2
-2	1	4	6	5	4	2	1	2	2	4	4	4	2	1
2	-1	-1	-2	-2	-2	2	6	5	4	6	3	2	3	2
1														
156	600	-1250		600	300*		600E							
5	5	4	6	4	4	6	6	5	8	7	6	3	1	2
-1	0	-2	-2	-2	-1	-3	-4	-3	-4	-2	-2	-1	1	1
-2	0	0	0	0	0	-1	-2	-2	-2	-1	2	4	899999	
10	14	15	14	13	10	14	13	12	12	10	8	6	6	4
2	3	-2	-2	0	0	-4	-6	-8	-6	-6	-6	-6	-4	-6
-4	-2	-1	-3	-4	-6	-4	-5	-4	-4	-2	-1	-3	-6	-13
-12	-6	-2	0	1	-1	-1	2	4	6	6	6	4	5	7
9	10	12	12	12	8	6	0	-6	-5	-2	1	4	8	8
5	4	2	2	3	4	4	2	2	2	2	2	4	4	3
2	2	2	2	2	0	0	0	2	2	4	2	2	3	4
4	3	4	5	4	3									
151	450	-1200		450	300*		450E							
-2	-1	-2	-4	-3	-1	0	1	2	1	2	4	6	2	2
0	-1	-2	-3	-4	-8	-10	-8	-6	-4	-2	-2	0	1	0
-2	1	3	5	3	0	4	2	14	8	14	19	20	14	14
14	13	13	13	14	12	12	11	12	10	4	-6	-10	-11	-12
-9	-8	-6	-4	-6	-6	-6	-6	-8	-7	-8	-6	-6	-5	-8
-7	-7	-7	-6	-4	-2	-2	-2	-1	-2	-8	-2	1	3	4
6	9	12	11	7	3	2	5	10	10	11	6	2	0	1
2	2	3	3	1	1	1	5	3	3	4	4	3	1	2
2	2	0	2	1	1	2	3	4	4	4	4	2	1	0
-1	0	1	0	1	1	1	-1	0	2	4	4	6	6	6
8														
152	300	-1200		300	310*		300E							
2	-1	0	-2	1	2	5	5	8	6	6	3	2	-3	-4
-6	-6	-6	-6	-4	2	1	2	3	0	-2	0	2	0	2
-11	-66	2	10	16	10	15	20	24	28	8	16	23	20	14
5	-2	-2	-2	0	-1	-1	-2	0	-1	-299999	-1	-4	-4	
-4	-4	-5	-5	-6	-4	-4	-8	-8	-7	-8	-4	-4	-4	-7
-6	-8	-9	-8	-9	-10	-10	-8	-8	-4	-2	-1	1	3	4
4	4	3	4	3	5	7	8	6	6	8	8	6	4	1
-4	-3	-2	-1	0	-2	-4	-4	-4	-4	-2	-1	1	0	1
299999999999				1	4	-1	-4	-5	-6	0	8	10	2	2
6	3	5	4	0	-2	-2	-3	-2	1	2	0	4	6	9
8														
96	150	-1200		150	-250*		150E							
6	4	2	2	4	3	7	6	4	4	4	4	3	6	6
10	13	18	19	16	15	15	13	15	12	13	12	9	8	6
4	5	3	4	7	6	4	3	-4	-6	-4	-4	-2	-1	1
0	1	1	2	3	4	2	1	1	2	3	-4	-2	0	-3

1	0	-1	-2	-2	-1	-2	-4	-3	-10	-12	-10	-10	-4	0
4	7	11	6	7	6	4	0	-1	1	0	4	7	8	8
6	7	7	6	6	6	6								
96	0	-1250		0	-300*		0							
8	6	1	5	4	2	4	3	3	4	6	9	11	10	12
9	-1	-4	-2	-2	0	0	0	1	2	1	2	3	2	0
-1	-3	0	-1	1	0	-1	-2	1	0	-1	0	-1	0	2
-2	-4	1	0	0	1	2	3	0	1	1	0	-1	1	5
8	10	8	6	6	5	3999999	3999999	0	0	0	0	0	0	0
1	0	0	2	2	0	-2	0	2	3	3	4	4	2	3
6	66	4	4	4	4									
91	-150	-1200		-150	-300*		150W							
14	10	8	4	3	7	11	13	10	4	-8	-11	-8	-5	-3
-4	-5	-1	-2	0	0	0	0	1	4	2	2	0	-4	-2
-6	-8	-8	-10	-8	-6	-8	-14	-14	-12	-15	-14	-11	-9	-4
-1	1	2	5	2	-1	-2	-2	0	4	6	5	4	4	5
8	12	10	8	8	9	6999999999999		-2	2	0	-2	-3	-4	
-4	-4	-4	-4	-1	0	0	1	2	4	6	10	10	12	10
12														
93	-300	-1200		-300	-280*		300W							
-2	-4	-7	-9	-10	-10	-9	-8	-8	-7	-7	-8	-6	-4	-3
-2	-1	0	-13	-9	-6	-6	-6	-6	-5	-4	-4	-5	-8	-6
-6	-4	-4	-8	-8	-8	-9	-3	0	3	6	6	4	0	-1
-1	1	1	2	4	4	5	6	6	8	8	4	3	5	4
4	6	4	3	2	0	-2	-4	-2	-2	-4	-4	-4	-4	-4
-3	-2	-2	-1	2	2	5	4	4	4	8	14	14	9	4
8	6	8												
81	-450	-1200		-450	-400*		450W							
1	1	-2	-4	-8	-8	-8	-9	-10	-10	-9	-8999999999999		-7	
-8	-8	-9	-8	-6	-4	-2	-2	-7	-6	-4	-3	-4	-3	-2
-4	-8	-9	-10	-12	-6	-2	4	6	6	2	-1	-2	4	6
-2	-4	-1	0	4	6	9	10	6	7	6	6	4	0	3
4	4	5	4	4	5	5	3	2	2	1	2	5	6	6
8	8	9	9	9	8									
88	-600	-1270		-600	-400*		600W							
-2	-1	-2	-1	-2	-3	-4	-4	-5	-4	-3	-3	-2	-4	-5
-6	-7	-7	-6	-5	-4	-4	-2	0	0	-11	-3	3	4	-3
-5	-4	0	0	-4	-8	-9	-7	-2	0	2	6	5	4	1
0	7	11	4	3	4	3	4	6	5	7	8	8	12	10
12	12	11	6	2	4	4	-1	0	-1	-2	0	0	1	0
0	0	4	5	6	6	6	4	4	2	3999999	6			
78	-750	-1200		-750	-430*		750W							
-2	2	0	1	1	0	-1	-2	-2	0	2	4	6	6	3
3	2	3	2	2	4	5	5	4	0	-4	-4	-4	-4	-7
-10	-11	-10	-9	-6	-4	-1	2	5	10	7	-3	0	6	8
6	8	9	7	8	11	11	10	9	10	10	11	10	10	10
6	3	2	-2	-2	-3	-4	-2	-2	-2	-1	0	-1	0	3
5	4	5												
88	-900	-1220		-900	-350*		900W							
0	0	1	4	4	2	6	7	8	8	10	10	8	8	7
7	8	9	6	8	6	4	3	2	0	-1	-2	-3	-4	-6
-7	-8	-8	-8	-6	-3	0	3	4	7	6	-2	-8	-1	1
4	5	7	10	11	12	14	12	14	13	12	10	5	2	-1
-1	0	2	6	10999999	5	4	4	1	0	0	0	0	-1	-2
-3	-4	-1	1	2	2	3	2	1	1	2	3	1		

4	10	17	24	24	23	19	20	19	23	18	18	15	17	15
15	10	11	10	8	6	8	8	8	6					
104	-2250	-1130	-2250		-100*		2250W							
6	5	6	7	6	5	6	6	7	7	8	9	9	9	8
8	7	3	2	0	-1	-2	-3	-1	-1	-2	-4	-4	-5	-6
-6	-5	-7	-7	-8	-8	-8	-4	-8	-7	-5	-4	-2	-1	0
3	1	2	3	2	3	3	3	3	6	6	8	8	8	8
8	7	8	6	4	3	-4	-8	-10	-8	-6	-6	-3	0	-1
0	1	0	-2	-2	-499999		1	4	5	6	10	14	20	23
24	21	22	20	16	8	2	-4	8	14	18	19	21	16	
30	-2400	-1150	-2400		-850*		2400W							
4	5	6	5	6	7	8	8	8	7	6	7	8	8	10
10	8	11	10	6	4	4	2	-2	-2	-4	-4	-6	-4	-4
56	-2550	-1150	-2550		-600*		2550W							
8	8	6	6	5	5	5	6	6	5	5	5	8	6	8
10	8	10	6	4	2	-1	-2	-3	-5	-6	-5	-6	-4	-2
-3	-3	-4	-3	-5	-4	-5	-6	-5	-4	-3	-2	0	0	2
2	4	4	6	5	7	10	9	11	13	8				
24	-2700	-1130	-2700		-900*		2700W							
9	6	6	5	5	4	3	2	2	3	4	4	2	2	4
6	6	6	2	-2	-2	0	3	2						
38	-2700	-370	-2700		0*		2700W							
0	2	8	10	11	11	10	12	12	11	8	8	8	8	-2
0	2	4	4	3	2	2	2	4	1	0	1	0	1	0
0	-1	-1	-2	-2	-4	-3	-2							
36	-2850	-1150	-2850		-800*		2850W							
2	0	-1	-2	-2	-3	-2	-1	0	3	3	3	5	4	3
2	-1	-2	0	-1	1	-1	2	5	7	6	2	0	-2	-2
-3	-1	-4	1	2	1									
40	-2850	-390	-2850		0*		2850W							
4	4	4	6	6	4	3	1	0	-1	3	0	1	1	-2
-1	-2	-5	-8	-6	-5	-2	-2	-3	-2	-3	-4	-6	-5	-5
-2	-4	-4	-4	-4	-5	-6	-6	-7	-7					
114	-3000	-1150	-3000		0*		3000W							
1	0	1	2	2	2	2	4	2	2	2	1	3	2	0
2	2	2	3	3	2	1	1	4	3	4	4	6	7	5
2	1	-4	-4	-3	0	2	2	8	10	6	4	2	2	2
1	2	3	1	199999	-1	0	0	0	2	4	-4	-6	-4	-4
-2	-3	-3	-2	0	2	5	5	6	6	7	9	9	5	3
2	0	1	0	-4	-7	-5	-4	-5	-6	-6	-6	-7	-4	-4
-4	-2	-3	-4	-4	-3	-4	-4	-3	-4	-2	-2	-2	-3	0
-2	-2	-2	-2	0	-1	-1	0	0						
114	-3150	-1150	-3150		-20*		3150W							
0	1	0	0	4	4	4	2	2	-1	-1	-2	-1	-299999	
-2	-4	-4	-2	0	0	0	2	2	2	4	4	4	3	4
2	1	2	0	-1	-2	-2	1	2	1	1	1	0	0	1
-1	-4	-2	0	0	0	1	1	1	2	0	1	0	2	4
8	6	8	8	9	9	5	6	7	6	4	2	0	1	1
0	-1	-3	-2	-2	-2	-2	-1	-2	-1	1	-3	-4	-3	-1
1	2	2	2	4	4	6	4	3	2	2	2	4	3	3
3	4	4	4	4	2	2	2	1						
110	-3300	-1070	-3300		20*		3300W							
-4	-2	-4	-2	-2	1	0	0	0	1	2	-1	1	0	-2
0	-2	-1	-4	-6	-5	-4	-3	-3	0	0	-1	-4	-6	-6
-8	-8	-12	-8	-6	-8	-9	-10	-11	-12	-17	-12	-6	-1	2

6	10	10	12	14	14	12	8	0	0	-1	-4	-4	-2	-4
-5	-4	-2	-1	-3	-4	0	-1	0	0	0	0	0	1	0
2	2	1	2	3	1	2	2	2	4	4	5	4	5	4
4	4	3	2	1	-2	-2	-3	-3	-4	-2	0	0	2	2
2	0	0	0	2										
106	-3450	-1050	-3450			0*	3450W							
2	2	2	2	1	0	0	1	1	1	1	4	3	2	2
2	3	4	6	3	2	4	4	3	3	3	2	2	0	0
-2	-1	-2	-5	-8	-5	-4	-15	-4	-6	-12	-11	-7	-6	-4
-2	2	3	3	1	-1	-3	-7	-7	-9	-10	-8	-7	-6	-3
-4	-4	-6	-5	-8	-9	-10	-10	-10	-6	-4	-2	1	2	-1
-2	6	11	12	2	0	2	5	6	6	7	5	5	4	4
2	4	5	4	2	4	4	5	4	7	6	6	4	3	-2
-8														
120	-3600	-1200	-3600			0*	3600W							
-1	0	1	0	0	0	-1	-1	-2	-3	-2	-2	0	3	2
-1	-3	-2	0	1	3	3	4	4	6	5	4	6	4	5
6	6	5	4	4	3	4	3	1	0	1	2	2	-2	-3
-6	-8	-7	-6	-6	-8	-8	-8	-7	-6	-5	-4	-3	-2	-4
-5	-4	-4	-2	0	0	1	1	2	2	3	2	3	0	2
3	2	4	4	4	6	4	4	3	4	3	4	2	2	2
4	5	5	6	5	4	4	4	2	2	3	4	5	4	6
4	4	2	3	-2	-2	-2	-3	-4	-4	-2	0	-2	0	-2
121	-3750	-1200	-3750			0*	3750W							
-5	-5	-5	-6	-6	-8	-9	-10	-12	-11	-10	-9	-6	-4	-6
-1	2	0	2	2	5	6	8	8	4	4	5	5	5	4
4	6	7	7	6	4	-1	-6	-8	-10	-11	-12	-9	-5	-4
-4	-2	-1	1	1	0	1	2	2	4	2	4	4	4	7
6	7	8	8	7	8	6	5	-4	-6	-6	-6	-2	1	2
2	1	-2	0	0	1	1	2	1	2	3	4	4	4	5
4	4	5	4	2	3	3	0	-2	1	0	2	2	1	3
4	4	6	6	6	4	-2	0	-2	-2	-4	-3	-2	-2	-2
-2														

\$\$\$LINE\$\$\$	CTA	CEM SHOOTBACK		SEPT 1984		PP/JMT		NOBLE CLAIMS						
23	-1650	0	-1650	550*	1650W									
-1	-1	1	2	-1	-1	-2	-2	0	0	-1	0	-1	-2	
0	0	-3	-1	-2	-2	0	1							
23	-1500	0	-1500	550*	1500W									
-1	-1	-5	-4	-5	1	-4	-2	0	-1	0	-4	-1	1	-2
-1	-4	-3	0	-2	-2	-1	-3							
23	-1350	-25	-1350	525*	1350W									
-1	-1	-2	-1	-1	-1	-2	-4	-5	-2	-2	-3	-1	-1	-3
-5	-1	-1	2	-2	-4	-2	1							
19	-1200	0	-1200	450*	1200W									
0	0	1	-1	1	0	-4	-1	-1	1	-2	1	-1	-2	-2
-3	-3	-2	-2											
17	-900	0	-900	400*	900W									
-2	-2	-4	-1	0	-2	-1	0	1	1	0	0	-1	-4	-3
-2	9													
16	-750	-25	-750	350*	750W									
-1	-1	1	0	-1	1	2	-1	0	-1	0	-3	-3	-5	-1
-1														
13	-600	-50	-600	250*	600W									
0	-1	-3	-4	-1	1	-2	-4	-3	-3	-4	-2	1		
10	-450	-50	-450	175*	450W									
2	-2	1	-1	-1	-1	-2	-1	-3	0					
28	-300	-425	-300	250*	300W									
-2	-5	-2	-3	-3	-1	0	0	-3	-1	-1	-3	-1	-2	-3
-2	-5	-3	-3	-2	-3	-4	-1	-4	-2	0	-2	-4		
23	-150	-350	-150	200*	150W									
-1	-4	-7	-6	-1	-1	0	-1	-1	1	0	0	-1	-1	1
-3	-3	-5	-9	-7	-9	-8	-3							
23	0	-300	0	250*	0									
2	-4	-2	-2	-3	-1	-2	1	0	-2	-3	-2	-3	-4	-5
-5	-4	-3	-2	-4	-6	-4	-4							
19	150	-250	150	200*	150E									
-3	-2	-1	0	0	-4	0	-3	-2	-1	-1	-3	-3	-5	-4
-5	-4	-5	-2											
23	-2100	-700	-2100	-150*	2100W									
-1	0	0	-3	-1	1	-2	-2	-2	-2	-1	-2	-6	-7	-5
-3	-1	-4	-1	-1	0	-1	-2							
21	-2250	-600	-2250	-100*	2250W									
-1	-1	-2	-4	-2	5	-2	-1	-2	-1	0	0	0	0	-3
-4	1	0	-3	-2	-1									
25	-2400	-750	-2400	-150*	2400W									
-2	-2	-4	-4	0	-3	-3	-3	-1	0	-1	1	1	-2	-2
-2	-3	-1	-1	-2	1	-1	-2	-2	-1					
29	-2550	-800	-2550	-100*	2550W									
-1	0	-3	-3	-2	-3	-1	1	0	0	1	-1	-1	-1	-1
-1	0	-4	-7	-4	-4	-3	-2	-2	-1	-2	-2	-2	0	
27	-2700	-750	-2700	-100*	2700W									
-3	-4	-1	-2	-1	-4	-1	-1	-1	-2	-1	-4999999999999999999			
999999999999	-2	-3	-3	-1	1	0	-1	-2	-1	-1				
30	-2850	-750	-2850	-25*	2850W									
-1	-1	-2	-2	-7	-15	-19	26	15	-5	-7	-4	0	-2	-1
0	-1	-2	0	-1	-1	-1	-2	-1	-1	0	0	-2	-2	-1

29	-3000		-800	-3000		-100*		3000W							
-2	-2	0	-1	-2	-5	-4	0	1	-1	-1	2	-2	-3	-2	
-1	-3	-2	-1	-3	-1	0	0	-1	-2	-1	-2	0	-1		

\$\$\$LINE\$\$\$	RFS	CEM SHOOTBACK	SEPT 1984	PP/JMT	NOBLE CLAIMS										
23	-1650	0	-1650	550*	1650W										
10	9	8	9	11	12	8	10	12	10	11	8	11	13	7	
9	11	7	8	11	16	16	17								
23	-1500	0	-1500	550*	1500W										
13	14	5	5	6	5	8	5	6	9	9	12	10	12	12	
10	11	12	14	16	15	25	23								
23	-1350	-25	-1350	525*	1350W										
8	9	13	11	11	12	9	9	12	9	9	8	8	7	15	
12	14	15	16	12	12	13	16								
19	-1200	0	-1200	450*	1200W										
8	4	4	3	9	8	7	5	8	9	12	14	13	11	13	
12	16	18	14												
17	-900	0	-900	400*	900W										
6	6	6	8	8	8	7	8	8	11	16	12	11	12	15	
17	15														
16	-750	-25	-750	350*	750W										
8	8	8	8	6	7	9	11	11	15	19	12	10	12	21	
21															
13	-600	-50	-600	250*	600W										
11	7	6	7	7	7	8	9	11	8	10	12	22			
10	-450	-50	-450	175*	450W										
8	7	6	7	7	7	12	11	9	7						
28	-300	-425	-300	250*	300W										
24	23	8	6	6	18	13	10	10	10	10	9	8	9	8	
6	7	6	8	11	13	16	18	15	14	11	14	21			
23	-150	-350	-150	200*	150W										
19	21	17	14	14	12	14	10	12	12	12	12	11	11	10	
13	41	34	67	40	49	48	50								
23	0	-300	0	250*	0										
48	37	13	24	19	15	12	17	23	16	20	11	13	13	20	
31	24	26	25	27	22	25	19								
19	150	-250	150	200*	150E										
22	18	19	23	30	32	22	21	22	24	22	18	18	18	19	
21	30	21	20												
23	-2100	-700	-2100	-150*	2100W										
14	17	20	14	14	13	14	15	16	16	17	19	25	39	28	
15	16	23	16	9	6	6	6								
21	-2250	-600	-2250	-100*	2250W										
28	37	18	12	12	9	8	8	10	12	11	13	13	24	24	
17	14	7	7	6	5										
25	-2400	-750	-2400	-150*	2400W										
15	12	12	14	14	14	12	11	12	13	7	9	8	7	7	
10	13	20	16	18	8	8	10	5	4						
29	-2550	-800	-2550	-100*	2550W										
12	16	20	17	14	14	16	11	10	9	11	8	8	7	7	
7	7	9	9	12	15	9	6	3	8	4	3	6	3		
27	-2700	-750	-2700	-100*	2700W										
16	15	16	16	18	13	14	15	11	11	9	10999999999999999999				
9999999999	12	13	4	4	4	5	6	5	4	3	3				
30	-2850	-750	-2850	-25*	2850W										
9	10	11	16	21	35	31	50	29	15	13	22	12	10	10	
6	6	7	8	7	4	5	6	7	6	4	6	7	5	6	
29	-3000	-800	-3000	-100*	3000W										

5 6 5 4 6 6 9 6 6 4 4 6 6 7 6
6 5 6 6 6 5 5 5 5 5 6 6 6 7

\$\$LINE\$\$MAG

V-188 REGIONAL GROUND MAG NOBLE CLAIMS

48 -3020. 1100. -2520. 1080. RTR
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8100 8280 8551 969510031 5896 7327 7061 8066 8138 8134 8098 8048 8113 8221
8631 9513 7823 8184 8184 8168 8128 8051 8047 8095 8155 8115 8075 8145 8130
8132 8133 8091
31 -2520. 1080. -2250. 940. RTR
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8123 8092 8110 8106 8122 8115 8104 8057 8125 8148 8182 8196 8140 8094 8159
8154
37 -2250. 940. -2000. 700. RTR
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8261 8084 8110 8140 8218 8289 8350 8449 8104 8337 8002 8077 8112 8075 8097
8131 8101 8068 8075 8098 8077 8093
163 -2000. 700. -450. 200. RTR
8093 8151 8106 8066 8086 8145 8176 8692 9029 8074 7980 7892 7676 7964 8551
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8138 8014 8089 7975 7973 8056 8063 8034 8038 8034 8039 8048 8044 8047 8035
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7928 7926 7927 7933 7952 7988 8012 8011 8011 8030 8018 8006 8011 8029 8039
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8390 8361 8337 8309 8247 8197 8125 8077 8081 8035 8038 8023 8026 8007 7956
7933 7947 8033 8252 8442 8064 8165 8753 8603 8338 8176 8239 8080
46 -450. 200. 0. 200. RTR
8080 8164 8147 8074 8114 8110 8181 8261 8214 8189 8183 8159 8203 8137 8076
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7944
27 -3060. 900. -2980. 1160. TR 30
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31 -2790. 1040. -2740. 1340. TR 27
8368 8139 8110 8127 7907 7559 7713 8578 8167 7971 8104 7991 8183 8140 7967
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7982
31 -2800. 950. -2800. 1250. 28+00 W
8176 8202 8455 8589 7230 7770 7834 8066 8049 7959 7912 842610002 8608 8034
7837 7985 8009 8033 8162 8218 7732 8043 8233 8310 8075 8159 8172 8110 8034
8038
108 -1500. -450. -1500. 620. 15+00 W
8120 8118 8034 8097 8154 8124 8073 8067 8050 8101 8524 8039 8018 8181 8196
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8144 8015 8019 8058 8299 8410 8447 8246 8140 8190 7925 7853 7963 8051 8057
8071 8058 8061 8106 8113 8089 8087 8098 8091 8098 8107 8138 8114 8100 8065
8009 8019 8051
104 -1350. -450. -1350. 580. 13+50 W
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 8093 8033 8089 8069 8078 8087 8101 8152 8224 8211 7962 7950 8310 8170 8104
 8037 8138 8076 8161 8280 7987 7991 8016 8057 8055 8020 7977 7588 7696 7619
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 95 -1200. -440. -1200. 500. 12+00 W
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 7366 8144 8175 8166 8158 8075 8060 8029 8021 8074 8629 7772 7862 7998 8032
 8052 8064 8035 8097 8122
 75 -1050. -290. -1050. 450. 10+50 W
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 78 -900. -350. -900. 420. 9+00 W
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 7932 7952 8168 8013 7984 8055 8011 8073 8373 8252 8120 8205 8265 8215 8090
 7976 7993 8025
 80 -750. -430. -750. 360. 7+50 W
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 8178 7930 7956 7986 7869 6933 7234 9482 8329 8087 8012 7984 8016 8039 8055
 8134 8120 8116 8292 8049
 71 -600. -420. -600. 280. 6+00 W
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 8200 8243 8556 8176 8108 8120 7993 7972 7981 8013 8092
 61 -450. -400. -450. 200. 4+50 W
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 85 -1650. -100. -1650. 740. 16+50 W
 8135 7896 8089 8046 8031 8029 7959 8057 8096 8050 8033 8028 8056 8082 8061
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 8120 8047 8030 8040 8072 8236 8161 8111 8114 8249
 88 -1800. -100. -1800. 770. 18+00 W
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 8085 8097 8064 8049 8050 8040 8052 8048 8043 8059 8074 8058 8023 8382 9012
 8275 8076 7960 8016 8038 8062 8043 8050 8055 8092 8126 8131 8182
 91 -1950. -100. -1950. 800. 19+50 W
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 8138
 91 -2100. -100. -2100. 800. 21+00 W
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 8057 8030 8040 7999 8106 8173 8362 8373 8345 8293 8280 8678 8988 9116 9072
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 121 -2250. -100. -2250. 1100. 22+50 W
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 8157 8154 8167 8185 8194 8154 8115 7918 7879 7884 7947 8037 8033 8046 8056
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 8171 8174 8162 8141 8115 8113 8104 8104 8069 8145 8207 8140 8229 8292 8338
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 197 -2400. -860. -2400. 1100. 24+00 W
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 8170 8138 8129 8103 8103 8106 8078 8074 8072 8072 8087 8127 8207 8120 8018
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 8103 8082 8128 8130 8110 8111 8108 8096 8099 8102 8091 8095 8110 8108 8091
 8058 8022 8040 8051 8053 8068 8115 8151 8087 8154 8017 8021 8057 8049 7926
 8086 8347
 176 -2550. -600. -2550. 1150. 25+50 W
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 8086 8019 8000 7954 7983 7918 7834 8081 8314 8275 8167 8112 8058 8056 8066
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 8083 8075 8080 8088 8075 8077 8071 8075 8083 8085 8085 8058 8050 8054 8066
 8061 8077 8072 8076 8088 8064 8071 8054 8072 7996 8010 8045 8066 8044 8040
 8078 8101 8083 8088 8123 8114 8125 8017 8020 8018 8073 8158 8168 8119 8118
 8091 8069 8057 8023 8061 8075 8081 8083 8137 8074 8093 8071 8054 8094 8106
 8095 8129 8276 8064 8083 8114 8090 8092 8082 8069 8087 8115 8114 8092 8073

8071 8090 8076 8079 8070 8062 8106 8064 8072 7920 7664 7795 8112 8152 8169
 8160 8135 8137 8108 8090 8046 8032 8046 8016 8021 8021 8005 8016 8090 8104
 8081 8086 8091 8114 8137 8154 8142 8177 8229 8266 8258
 136 -2700. 0. -2700. 1350. 27+00 W
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 8242 8954 8158 4698 8189 8173 7700 7886 7754 8986 9423 8154 8125 8032 8020
 8023
 46 -450. 0. 0. 0. 0+00
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 104 -3000. 0. -3000. 1030. 30+00 W
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 8303 8380 8340 8039 7933
 83 0. -210. 0. 200. 0+00 E
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 8186 8134 8158 8256 8210 8189 8180 8099 8011 7865 7772 7107 6579 7231 6177

8344 7700 7887 7910 7964 8009 7977 7909 7840 7812 7847 7878 7894 7938 7974
 8037 8085 8144 8129 8148 8223 8220 8188 8142 8073 7883 7632 7187 7276 7159
 8780 9960 9543 9085 8812 8696 8498 8301
 80 -150. -195. -150. 200. 1+50 W
 8021 8067 8128 8240 8280 8309 8241 8248 8088 7785 7929 7816 7803 7952 7968
 7951 7988 8014 8041 8051 8057 8067 8069 8074 8107 8126 8171 8208 8210 8188
 8163 8129 8119 8110 8101 8098 8079 8073 7996 7979 7963 7967 7977 7958 7941
 8065 7932 8105 8233 8368 8414 8308 8156 7974 7699 7690 7896 7977 7999 8000
 8006 7991 7980 8033 8069 8070 8074 8088 8140 8172 8104 8132 8261 8538 8795
 8744 8489 8121 7877 7865
 87 150. -210. 150. 220. 1+50 E
 7966 8044 8113 8176 8156 8173 8198 8046 8056 8055 8120 8085 8084 8046 8015
 7999 8039 8078 8104 8117 8127 8115 8055 7992 7917 7700 7649 7674 7817 7936
 7981 7946 7949 7938 7948 7957 7951 7957 7974 8015 8021 7985 7983 7972 7755
 7575 7355 8564 8275 8208 8175 8144 8107 8091 8072 8072 8073 8087 8102 8090
 8083 8083 8145 8199 8150 8038 8055 8037 8028 8044 8070 8071 8066 8080 8083
 8111 8155 8199 8196 8165 8086 8268 8280 8310 8262 8214 8163

LINE	IP	REGIONAL	GROUND	VLF	(EM-16)	NOBLE	CLAIMS								
48	-3020	1100	-2520	1080*	RTR										
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0	1	2	5	6	7	9	9	10	11	13	17	19	18	9	
12	14	16	17	17	12	6	6	7	8	10	5	6	3	1	
-1	-7	-10													
31	-2520	1100	-2250	940*	RTR										
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16	16	16	18	17	18	17	15	17	15	12	8	3	2	3	
2															
37	-2250	940	-2000	700*	RTR										
2	1	0	-1	-1	1	1	2	1	-2	-6	-4	0	2	2	
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-3	-4	-4	-2	-1	-1	-1									
163	-2000	700	-450	200*	RTR										
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3	-2	-4	-3	0	2	6	9	9	10	10	10	11	10	12	
11	9	7	6	3	2	2	4	3	0	-2	-3	-6	-7	-7	
-7	-6	-5	-5	-5	-7	-9	-10	-11	-11	-11	-11	-9	-7	-6	
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4	4	4	3	2	2	2	1	0	-1	-1	0	0	0	0	
-1	-1	0	1	1	1	1	-1	-2	-2	-3	-6	-8	-10	-12	
-14	-14	-14	-12	-10	-9	-7	-4	-3	-2	0	0	1	2	0	
-2	-2	-2	-1	0	-2	-4	-5	-2	-1	1	0	-2	-3	-2	
0	0	0	1	1	2	-2	-4	-4	-1	0	0	0			
46	-450	200	0	200*	RTR										
0	1	1	1	2	1	1	0	1	0	0	-5	-3	-2	-1	
1	4	6	3	-7	-14	-22	-23	-24	-20	-20	-11	-9	-8	-7	
-8	-8	-9	-11	-12	-16	-14	-12	-13	-9	-6	-7	-8	-5	-5	
-8															
27	-3060	900	-2980	1160*	TR 30										
15	13	15	21	27	29	29	28	24	13	10	11	12	12	15	
18	21	21	17	1	4	0	-4	-9	-11	-12	-10				
31	-2790	1040	-2740	1340*	TR 27										
2	0	-4	-1	-1	-1	0	1	-1	-1	0	6	14	4	-2	
0	2	-2	-5	-9	-12	-11	-9	-7	-1	10	10	0	-11	-29	
-36															
31	-2800	950	-2800	1250*	28+00 W										
1	3	6	11	16	17	15	3	-1	-1	-2	-2	0	0	-5	
-4	-1	4	7	6	1	-4	-7	-7	-9	-9	-11	-10	-8	-9	
-5															
108	-1500	-450	-1500	620*	15+00 W										
15	18	14	16	19	22	22	19	17	18	15	17	19	15	19	
15	11	10	10	11	9	8	8	9	6	8	9	6	3	-1	
-5	-11	-14	-11	-7	-6	-3	-1	-2	-1	-2	-2	-3	-1	-3	
0	0	3	3	1	3	2	3	3	4	5	6	6	8	9	
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13	13	13	15	16	18	20	21	24	23	24	23	20	13	7	
8	10	17	12	3	-2	1	3	6	11	15	18	19	16	17	
24	29	45													
104	-1350	-450	-1350	580*	13+50 W										
99999	9	8	11	13	15	8	10	14	17	13	11	10	9	6	
5	4	2	6	9	7	10	11	9	9	11	12	14	15	13	

11	7	2	-2	-3	-4	-3	-2	-1	1	1	4	5	6	8
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10	11	12	12	14	13	12	11	12	11	11	14	14	14	13
15	16	17	19	20	22	24	18	14	10	10	10	11	11	14
13	14	14	13	15	19	2099999	1899999	19	19	19	19	24	30	
95	-1200	-440	-1200		500*	12+00	W							
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10	12	17	21	20	19	16	18	14	21	10	5	5	-2	-1
-7	-7	4	7	8	9	6	3	4	4	4	3	5	6	4
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19	21	25	22	13	5	5	-4	-2	-1	1	8	10	13	15
21	22	25	24	26										
75	-1050	-290	-1050		450*	10+50	W							
16	15	10	1	3	6	8	10	9	9	10	9	10	10	16
19	20	20	22	18	10	-4	-11	-12	-11	-11	-7	-5	-2	-3
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16	15	16	18	16	13	12	9	10	9	12	19	19	22	22
22	25	23	17	16	13	11	8	7	11	11	16	20	20	22
78	-900	-350	-900		420*	9+00	W							
18	15	13	9	2	-7	-3	0	2	5	7	9	10	12	15
16	17	16	17	18	21	17	-5	-14	-5	-1	5	9	11	16
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23	25	27	24	20	13	10	12	10	8	10	11	11	13	16
20	19	23												
80	-750	-430	-750		360*	7+50	W							
28	25	18	11	2	-3	-1	2	3	6	9	11	12	17	17
21	26	28	30	31	38	41	42	27	-3	-27	-21	-11	-5	-2
-1	0	1	1	5	7	8	10	11	14	14	12	8	6	7
8	11	14	16	19	19	18	20	21	26	29	28	26	28	25
20	19	24	26	29	27	22	19	12	10	10	6	3	2	2
8	15	15	16	21										
71	-600	-420	-600		280*	6+00	W							
-1	-1	0	-4	0	7	12	14	17	19	20	21	22	22	21
16	9	4	-1	-3	-6	-9	-10	-9	-4	-1	3	7	11	14
15	16	17	14	14	10	6	4	2	3	6	8	9	10	12
15	16	21	24	25	27	31	33	31	37	40	33	29	36	39
36	23	-3	-6	-1	5	5	7	9	18	17				
61	-450	-400	-450		200*	4+50	W							
5	6	14	12	-7	-13	-10	-2	3	6	4	1	0	0	1
2	5	6	8	10	12	11	13	14	12	12	13	13	11	8
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22	24	28	30	32	37	41	44	44	30	18	15	17	19	14
8														
85	-1650	-100	-1650		740*	16+50	W							
5	2	-21	-13	-9	-5	-4	-2	-2	0	-1	-1	-2	0	1
1	1	3	4	4	5	5	7	6	6	5	5	4	5	6
6	6	7	10	10	10	10	11	10	11	10	10	12	10	10
9	9	10	9	6	7	10	10	9	7	2	-2	-7	-4	-1
3	7	10	14	22	21	15	7	4	10	15	19	22	26	31
35	40	44	43	50	53	55	52	53	41					
88	-1800	-100	-1800		770*	18+00	W							
5	4	1	-3	-7	-9	-4	0	0	1	4	3	4	5	6
6	6	5	6	5	4	4	4	3	5	4	3	4	5	4

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8	9	8	7	10	12	14	12	11	12	14	16	19	20	21
21	22	26	29	34	32	42	47	50	56	56	60	61		
91	-1950	-100	-1950		800*	19+50	W							
7	8	12	13	13	14	14	19	20	19	16	16	13	10	9
8	7	10	5	2	0	0	1	0	1	0	1	5	4	7
6	7	8	11	11	9	9	9	7	0	-5	-5	-7	-5	-1
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16	19	21	22	23	23	31	34	37	40	44	44	49	51	57
46														
91	-2100	-100	-2100		800*	21+00	W							
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9	8	9	12	15	13	14	15	16	17	18	17	18	18	16
16														
121	-2250	-100	-2250		1100*	22+50	W							
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-11	-11	-9	-7	-4	1	0	1	2	2	3	1	3	3	3
2	4	5	5	5	3	4	4	5	5	7	3	2	1	2
2	3	4	5	5	8	7	7	10	9	10	11	13	17	19
19	20	21	21	18	14	10	5	3	1	0	-1	-2	-1	1
2	4	4	2	-1	-1	-1	2	4	5	3	5	5	5	6
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22	20	22	25	23	25	25	23	23	26	24	20	20	20	17
14														
197	-2400	-860	-2400		1100*	24+00	W							
9	10	10	10	9	7	6	5	6	8	2	2	5	7	7
7	5	3	1	-1	-1	0	7	11	19	16	10	11	11	4
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6	8	10	11	15	13	22	24	30	33	38	36	37	33	23
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-1	-9	-8	-7	-6	-9	-8	-9	-7	-6	-5	-3	-2	0	0
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14	13	8	4	2	-1	-2	-3	-2	0	-1	-1	0	0	0
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-1	0	3	4	6	7	5	2	-1	-1	-4	-4	-1	1	3
4	1													
176	-2550	-600	-2550		1150*	25+50	W							
12	11	4	1	0	1	-1	-2	-1	-4	-10	-11	-12	-9	-6
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-25	-21	-21	-19	-18	-16	-13	-12	-10	-10	-8	-7	-5	-3	-2
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5	6	7	7	7	7	7	6	5	6	6	5	3	4	5
5	4	4	6	7	8	9	11	11	10	5				
136	-2700		0	-2700	1350*	27+00	W							
1	3	4	3	4	5	7	6	8	5	5	4	5	3	4
3	4	4	3	4	5	8	10	11	10	10	10	10	9	7
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-3	-6	-7	-8	-9	-7	-6	-1	4	13	3	-2	-19	-33	-40
-37														
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2	2	-3	-11	-11	-10	-8	-6	-5	-3	-2	0	3	2	1
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-3	-2	-2	-3	-2	-3	-3	-4	-3	-10	-7	-12	-20	-21	-18
-16														
116	-2850		0	-2850	1150*	28+50	W							
8	11	10	10	10	10	10	9	9	8	8	6	6	6	5
3	2	1	0	-1	-1	-1	0	0	2	2	2	4	4	5
5	6	7	4	4	3	2	3	4	6	8	9	12	15	20
24	25	34	30	21	11	-2	-8	-11	-15	-16	-16	-16	-16	-16
-14	-13	-10	-8	-11	-7	-5	-4	0	-1	-4	-12	-12	-15	-17
-19	-16	-13	-11	-6	-2	-1	0	0	0	1	2	3	4	7
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16	5	4	0999999	-2	-1	-4	-4	2	-2					
104	-3000		0	-3000	1030*	30+00	W							
14	15	13	13	14	14	14	13	14	12	12	11	12	12	9
8	3	-2	-3	-2	-2	-3	-1	-1	-1	-1	1	2	-1	3
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-14	-12	-13	-12	-10	-8	-7	-5	-2	1	6	9	12	20	21
16	15	14	12	14	19	23	27	30	30	18	11	10	10	
76	-3000	800	-2250		925*	8+00	N							
1	3	7	10	14	13	17	16	21	26	31	27	38	47	31
30	32	33	34	21	17	14	10	9	3	0	-2	-4	-5	-6
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-4	-4	-1	1	2	2	5	6	6	8	7	6	8	9	10
10	10	13	12	12	13	13	14	11	10	9	5	1	-1	-5
-3														
43	-2700	-900	-2700		-480*	27+00AW								
22	21	19	15	14	13	11	12	11	12	9	8	8	6	2
1	1	-1	0	0	-2	-4	-3	-3	-1	-2	4	6	8	14
14	12	5	6	6	9	11	11	6	4	6	5	1		
42	-2850	-800	-2850		-390*	28+50AW								
10	10	10	8	7	9	9	7	8	10	12	14	15	18	16
20	22	27	35	40	33	34	30	31	28	18	-23	-30	-26	-29
-22	-16	-11	-8	-8	-6	-4	-1	2	1	-2	0			
60	150	-290	150		300*	1+50	E							
16	17	18	13	8	7	3	2	2	3	8	10	7	6	6
5	3	3	6	8	8	12	13	11	8	10	16	18	18	22
21	25	26	29	29	21	14	10	9	8	9	12	15	18	22

21	17	11	11	10	11	16	31	44	47	38	33	12	7	7
49	0	-290		0	190*	0+00	E							
23	28	28	29	26	21	13	11	1	-5	-4	-3	8	12	15
4	-1	5	9	15	15	19	20	19	18	22	26	31	40	31
26	6	14	18	14	12	12	10	10	7	4	6	6	8	13
17	21	22	18											
61	-150	-300	-150		300*	1+50	W							
6	11	13	14	11	10	6	3	2	1	1	3	3	4	6
6	7	8	10	11	18	15	19	24	23	26	26	28	29	33
37	41	42	35	26	23	19	14	11	11	8	9	10	3	1
4	9	15	19	21	17	11	6	2	-2	-4	-8	-11	-6	-6
-5														
69	-300	-380	-300		300*	3+00	W							
22	24	24	16	-3	-17	-26	-25	-21	-13	-12	-8	-5	-1	-2
3	5	6	12	12	13	11	10	9	10	9	10	9	8	7
10	11	14	16	22	23	24	29	36	33	33	31	28	25	25
25	24	25	23	19	19	23	26	30	32	33	35	36	29	21
19	19	20	22	17	19	13	12	5						
21	75	-100	75		100*	0+75	E							
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19	17	18	13	12	14									

##LINE##QUAD

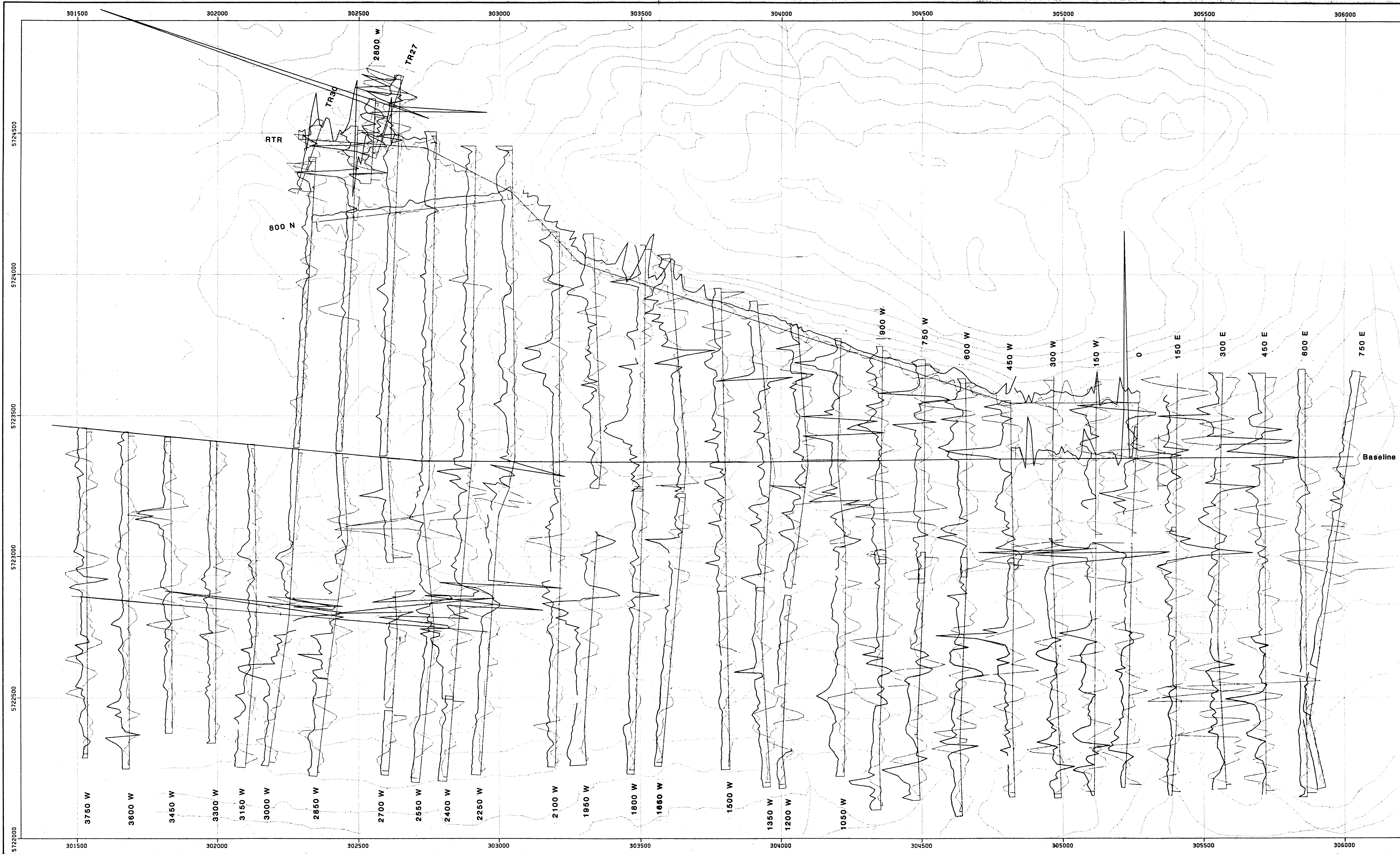
V-188	REGIONAL	GROUND	VLF	(EM-16)	QUADRATURE									
48	-3020	1100	-2520	1080*	RTR									
-1	-4	-8	-8	-8	-8	-8	-11	-12	-13	-12	-16	-15	-14	-12
-12	-14	-10	-9	-10	-8	-8	-9	-9	-9	-6	-4	-2	-2	-10
-8	-6	-4	-3	-4	-5	-9	-8	-8	-5	-4	-5	-4	-4	-5
-5	-8	-10												
31	-2520	1080	-2250	940*	RTR									
-10	-7	-6	-6	-4	-3	-2	-2	-3	-4	-2	-3	-5	-6	-6
-10	-9	-9	-9	-8	-10	-12	-9	-8	-6	-4	-3	-1	2	4
6														
37	-2250	940	-2000	700*	RTR									
6	5	6	6	6	6	7	8	8	5	3	4	6	8	7
6	4	5	7	7	8	8	7	7	8	9	8	7	6	6
6	5	5	5	6	6	5								
163	-2000	700	-450	200*	RTR									
5	4	4	2	1	1	2	3	2	2	1	-2	3	3	3
2	2	2	2	3	-1	-2	-1	-2	-2	-3	-2	-1	-1	1
4	-1	-2	-3	-1	0	2	3	3	3	2	1	2	1	2
1	0	1	0	0	0	2	4	4	4	3	4	3	4	4
4	4	4	5	5	4	2	3	2	3	3	2	3	4	4
4	4	4	4	2	2	2	4	4	5	5	6	7	6	5
5	4	4	2	2	2	2	0	0	-1	-2	-1	-1	-1	-2
-2	-2	-2	-1	-2	-2	-2	-2	-3	-2	-3	-4	-4	-5	-6
-7	-8	-8	-7	-7	-7	-7	-5	-5	-4	-4	-5	-4	-4	-6
-6	-7	-8	-7	-6	-7	-8	-9	-7	-6	-4	-5	-6	-6	-4
-2	-1	0	0	0	0	-1	-2	-2	-1	0	0	0		
46	-450	200	0	200*	RTR									
0	-2	-2	-3	-4	-3	-2	-2	-1	1	0	-3	-2	-2	-1
0	2	2	-1	-6	-7	-8	-10	-12	-10	-10	-7	-8	-6	-6
-7	-7	-8	-7	-6	-8	-6	-4	-3	-1	0	1	2	2	1
1														
27	-3060	900	-2980	1160*	TR 30									
-2	-2	-6	-4	-2	-1	-2	-2	-4	-8	-6	-5	-3	-1	0
4	6	6	7	4	2	1	-1	-4	-3	-3	-3			
31	-2790	1040	-2740	1340*	TR 27									
-4	-2	-2	2	1	2	-1	2	2	0	4	8	12	2	2
3	5	1	-2	-3	-4	-3	-4	-7	-4	0	-6	-11	-12	-12
-8														
31	-2800	950	-2800	1250*	28+00 W									
-10	-8	-7	-4	0	-2	0	-4	-1	0	1	1	2	2	0
1	4	10	14	6	0	-4	-4	-3	-5	-4	-4	-2	-1	-4
-4														
108	-1500	-450	-1500	620*	15+00 W									
0	2	0	-1	2	4	4	1	0	1	0	0	2	4	3
2	0	0	2	1	0	0	0	1	-1	1	3	2	3	2
3	1	-1	-1	1	4	4	1	2	0	2	4	1	1	0
2	-1	2	2	0	0	-2	-2	0	-1	0	1	1	3	3
4	6	8	2	-1	-2	-7	-10	-4	0	0	1	1	2	2
0	0	0	2	1	2	3	2	3	2	2	0	-1	-4	-4
-5	-3	1	-2	-5	-6	-7	-8	-9	-8	-6	-4	-3	-2	-2
0	5	12												
104	-1350	-450	-1350	580*	13+50 W									
99999	2	-2	0	3	0	-3	-4	0	2	0	-1	-2	-1	0
-2	-4	-1	-2	0	4	6	4	3	0	2	1	3	5	4

3	3	1	1	-1	0	0	0	-2	2	2	2	2	2	4
3	5	4	4	5	3	3	4	3	3	-1	-4	-1	0	0
0	-1	2	2	3	2	0	0	0	-2	0	1	-2	-3	-2
-2	-1	-2	-2	-3	-2	-2	-4	-4	-4	-4	0	-2	0	1
-1	-2	-2	-5	-5	-4	-4	-4	-4	-4	-4	0	2	3	
95	-1200	-440	-1200											
2	-1	1	0	1	1	1	2	2	2	3	4	4	4	1
1	3	3	10	10	10	5	8	8	13	10	12	11	11	12
28	12	6	4	4	5	4	2	0	4	4	4	6	7	4
3	2	2	-1	-1	1	2	2	2	3	2	1	2	1	1
-1	0	-2	-6	-6	-8	-8	-6	-5	-5	-4	-4	-2	-4	-8
-10	-9	-6	-5	-8	-10	-9	-10	-9	-7	-4	0	-1	0	-2
-1	1	0	0	2										
75	-1050	-290	-1050											
3	2	2	-4	-3	0	4	5	7	8	8	9	8	6	10
10	9	9	8	7	6	4	2	2	1	-1	-1	1	1	0
-2	1	5	6	5	6	7	6	6	6	3	1	1	1	0
0	-2	-3	-4	-4	-6	-7	-11	-11	-14	-14	-10	-9	-10	-8
-9	-7	-6	-7	-4	-2	-2	-1	0	0	1	0	0	-2	-2
78	-900	-350	-900											
2	3	3	2	1	-2	0	2	2	3	6	6	5	6	8
8	8	7	5	6	8	8	2	-3	1	2	4	5	7	10
4	2	1	2	4	4	4	4	2	0	1	4	5	2	3
0	0	-1	-2	-2	-2	-2	-1	-4	-8	-11	-12	-12	-15	-14
-11	-9	-8	-9	-8	-8	-8	-4	-2	0	-1	1	2	2	2
2	0	1												
80	-750	-430	-750											
5	3	4	3	2	1	2	3	3	4	6	7	6	5	2
5	3	5	4	6	5	6	6	6	2	2	4	4	5	6
4	4	3	3	4	5	4	7	6	6	6	5	2	-1	0
0	0	2	2	2	-2	-2	-3	-4	-2	0	0	-4	-2	-6
-10	-12	-10	-10	-9	-10	-12	-14	-12	-12	-10	-8	-6	-4	-2
1	8	6	5	6										
71	-600	-420	-600											
4	4	5	2	2	5	7	7	8	6	6	6	7	6	7
6	9	9	8	8	8	6	4	3	4	4	5	7	8	8
8	7	7	6	6	4	3	2	0	-2	-2	0	0	-1	-2
-2	-3	-2	-1	-3	-2	-2	-2	-7	-6	-5	-6	-11	-9	-9
-8	-10	-10	-12	-11	-9	-8	-7	-2	0	5				
61	-450	-400	-450											
8	7	11	10	5	2	3	6	8	11	9	6	8	7	8
8	9	10	10	10	9	9	8	8	4	6	6	6	4	3
2	2	2	0	0	1	1	0	0	2	3	1	1	1	-2
-10	-9	-9	-12	-8	-6	-9	-10	-6	-10	-14	-13	-11	-10	-7
-11														
85	-1650	-100	-1650											
9	13	-8	-5	-2	1	2	2	2	2	1	0	-1	1	1
0	-1	-1	0	-1	0	1	2	2	2	0	0	1	0	1
1	2	2	5	4	5	3	3	4	2	2	4	4	2	2
2	3	4	1	-2	0	1	0	0	-2	-4	-6	-11	-11	-10
-8	-7	-6	-4	0	0	-5	-6	-10	-7	-5	-3	0	4	6
7	11	11	12	10	12	12	10	13	7					
88	-1800	-100	-1800											
8	6	7	8	4	-2	2	3	2	3	5	5	5	5	6
6	5	5	5	4	4	2	2	2	2	1	1	2	1	0

0	0	2	1	1	1	1	0	0	1	2	0	-2	-1	-1
-4	-3	-2999999999999			-3	-2	-4	-4	-2	0	-1	-4	-5	-2
-4	-6	-6	-8	-6	-4	-5	-6	-8	-6	-6	-6	0	1	4
3	6	9	8	10	12	11	12	10	9	9	8	7		
91	-1950	-100	-1950		800*	19+50	W							
2	2	2	4	6	2	1	2	4	4	3	4	4	2	1
3	2	3	3	3	2	0	1	-1	1	0	-1	0	1	-2
-1	-1	-1	2	4	1	-1	1	0	-4	-8	-10	-10	-8	-6
-4	-4	-4	-4	-5	-8	-8	-8	-9	-12	-10	-5	-4	-2	-1
0	1	-3	-7	-10	-8	-8	-4	-2	-1	-2	-2	-1	-2	0
-1	1	4	5	4	5	9	11	8	10	11	10	6	0	5
4														
91	-2100	-100	-2100		800*	21+00	W							
7	5	4	2	3	2	-1	-3	-7	-10	-7	-4	-3	-2	-2
0	0	-1	-2	-3	-1	-1	-2	0	0	0	-1	-1	-2	-1
-1	1	0	-1	-2	0	-1	-2	-4	-5	-5	-4	-4	-4	-6
-4	-5	-4	-2	-2	-2	-3	-5	-6	-7	-7	-7	-6	-5	-4
-5	-6	-2	-2	-2	-4	-2	-1	1	2	2	3	0	-3	-4
-8	-8	-6	-4	-2	-3	-2	-2	-1	0	1	0	1	2	2
1														
121	-2250	-100	-2250		1100*	22+50	W							
13	12	12	8	8	5	5	6	3	2	-1	-3	-3	-6	-8
-11	-10	-11	-7	-4	-4	0	-1	1	0	2	-2	1	-2	-2
-2	-2	1	-1	0	-2	-2	-2	-1	-1	2	-2	-4	-4	-3
-4	-4	-3	-4	-3	-3	-4	-4	-3	-4	-2	-5	-5	-2	-5
-5	-4	-6	-7	-8	-8	-10	-9	-10	-10	-10	-9	-8	-8	-5
-6	-4	-4	-3	-5	-5	-5	-5	-4	-4	-4	-3	-4	-4	-4
-4	-3	-4	-4	-4	-4	-4	-2	-1	-2	-2	-1	1	3	2
0	1	1	0	0	0	0	-2	-3	-3	-3	-6	-5	-6	-9
-8														
197	-2400	-860	-2400		1100*	24+00	W							
-4	-5	-6	-6	-6	-7	-6	-7	-5	-4	-4	-5	-4	-3	1
1	1	2	2	2	2	2	7	8	8	8	6	7	7	8
9	12	10	13	5	4	2	2	0	-1	-3	0	-1	0	2
5	8	7	3	1	1	3	4	4	4	2	5	5	6	8
12	13	12	4	-1	-1	0	2	1	2	0	4	1	-2	0
-1	-1	3	2	0	-1	-2	-4	-6	-5	-5	-3	-5	-3	-4
-5	-5	-4	-5	-4	-6	-6	-5	-4	-3	-4	-5	-3	-3	-4
-6	-7	-8	-7	-6	-5	-4	-4	-3	-3	-2	-3	-2	-1	0
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-1	-2	-2	-2	-2	-2	-1	0	1	2	4	8	8	5	-5
-5	-6	-5	-3	-6	-7	-4	-4	-4	-2	-3	-4	-2	-2	-4
-2	-2	-4	-4	-6	-4	-6	-5	-7	-6	-6	-5	-4	-2	-2
-2	0	2	1	4	6	5	4	4	5	4	4	5	8	9
6	4													
176	-2550	-600	-2550		1150*	25+50	W							
10	8	9	8	9	8	8	8	7	4	1	1	0	1	1
7	6	9	7	5	2	3	5	7	6	6	9	8	6	6
5	6	6	5	4	4	5	4	-4	-4	-3	-4	-2	-2	-2
-1	0	-2	-2	0	0	-2	-3	-3	-3	-2	-2	-2	-3	-2
-2	-4	-3	-4	-4	-5	-5	-6	-7	-6	-7	-4	-4	-4	-5
-5	-6	-7	-5	-6	-5	-4	-4	-3	-4	-2	-2	2	2	0
1	0	0	-1	-2	-4	-2	-1	0	1	1	2	2	2	2
4	6	2	0	2	2	0	-1	0	-1	0	0	2	2	4
2	2	3	4	5	7	6	4	4	4	2	1	0	-2	-3

-4	-4	-4	-5	-4	-5	-4	-3	-6	-6	-6	-7	-7	-7	-7
-8	-9	-8	-8	-8	-8	-7	-6	-4	-2	1	2	4	3	5
5	4	4	4	6	6	3	3	4	2	1				
136	-2700		0	-2700		1350*	27+00	W						
-5	-4	-3	-4	-5	-6	-2	-5	-3	-2	-5	-5	-6	-5	-3
-3	-2	-1	0	2	4	5	6	8	6	4	4	3	3	0
1	-1	-2	-2	-3	-2	-3	-2	2	-1	0	2	1	0	0
-1	-1	0	0	0	1	2	3	4	5	6	6	6	6	7
7	8	7	7	6	6	6	7	6	6	3	5	7	8	8
8	6	4	2	1	-2	-3	-5	-4	-5	-8	-9	-8	-8	-7
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-4	-2	1	1	0	2	0	2	5	2	0	4	8	6	1
-1	-2	-3	-4	-4	-2	-6	-8	-5	-2	-10	-12	-12	-11	-8
-5														
46	-450		0	0		0*	0+00							
0	0	-2	-7	-7	-7	-7	-8	-7	-7	-8	-7	-6	-8	-9
-10	-11	-10	-11	-12	-15	-16	-16	-15	-13	-12	-10	-10	-8	-8
-8	-7	-6	-6	-5	-4	-6	-5	-2	-4	-2	-8	-5	-5	-6
-8														
116	-2850		0	-2850		1150*	28+50	W						
-6	-4	-5	-4	-2	-5	-5	-5	-4	-3	-2	0	1	1	4
4	5	5	5	5	4	4	4	4	4	4	4	4	2	2
2	2	3	3	3	1	0	2	2	3	2	2	1	0	3
4	-4	-1	-1	-4	-6	-6	-5	-2	-2	2	5	6	9	10
12	13	14	16	16	14	13	12	14	14	8	6	2	-4	-5
-6	-8	-4	-4	-2	-3	-4	-3	-2	-3	-2	-5	-4	-8	-7
-5	-5	-7	-7	-6	-9	-8	-12	-11	-12	-7	-8	-4	1	3
0	-3	-2	0999999	15	18	13	12	16	12					
104	-3000		0	-3000		1030*	30+00	W						
0	0	-2	-3	-3	-2	-2	0	1	2	2	2	4	3	5
6	7	8	8	8	7	8	7	6	6	5	6	5	6	5
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0	2	4	5	9	10	6	4	2	3	3	3	3	4	3
2	0	0	-1	0	1	0	1	2	3	3	5	4	8	8
2	-1	-3	-7	-6	-3	-4	-3	-2	-1	-6	-7	-8	-6	
76	-3000		800	-2250		925*	8+00	N						
-4	-3	-3	0	0	2	2	4	6	3	1	2	-3	-6	2
2	2	0	-1	2	0	-1	0	-2	1	2	3	4	5	7
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-2	-3	-4	-5	-4	-5	-5	-3	-2	-2	1	3	4	5	6
8														
43	-2700		-900	-2700		-480*	27+00	AW						
0	0	0	-3	-5	-5	-6	-8	-6	-6	-6	-6	-7	-8	-5
-5	-4	-6	-4	-3	-1	-2	-2	-2	-4	-3	0	1	4	5
8	8	6	8	9	11	11	10	8	9	12	8	5		
42	-2850		-800	-2850		-390*	28+50	AW						
0	0	0	-2	-3	-2	-2	-2	0	2	2	0	-1	-3	-3
-1	-4	-2	-1	-3	-4	-4	0	-2	2	3	1	1	1	0
-10	-7	-8	-6	4	2	2	2	7	6	8	6			
60	150		-290	150		300*	1+50	E						
10	9	8	7	8	8	7	3	4	4	8	4	4	1	0
-2	-2	-4	-4	-4	-6	-4	-1	0	0	0	4	3	2	2
0	-3	-2	-2	-4	-4	-6	-4	-3	0	0	0	2	2	5

6	6	5	4	2	4	4	11	15	10	6	0	-8	-12	-7
49	0	-290		0	190*	0+00	E							
2	1	4	6	6	4	6	4	5	4	6	4	6	8	6
1	-2	-3	-3	1	2	-3	1	1	0	2	3	6	6	2
0	-14	-11	-8	-7	-3	-2	-2	1	1	2	4	0	6	6
7	6	6	-1											
61	-150	-300	-150		300*	1+50	W							
15	12	15	12	10	10	7	5	5	2	6	2	2	2	2
1	0	-1	0	-1	1	1	4	6	4	2	2	1	1	-1
1	4	2	-2	-6	-4	-4	0	6	8	6	4	8	4	6
9	12	14	12	7	0	-4	-4	-3	-5	-2	-3	-2	0	1
2														
69	-300	-380	-300		300*	3+00	W							
3	4	6	9	12	9	4	0	3	6	10	6	6	6	6
3	3	4	8	5	6	4	6	6	6	4	5	3	2	2
4	2	4	5	9	3	4	3	3	2	1	-1	-4	-5	-6
-7	-6	-7	-8	-8	-8	-5	-2	-2	-3	-1	2	3	0	0
-1	2	5	6	6	-1	-2	-8	-7						
21	75	-100	75		100*	0+75	E							
-11	-1	1	0	0	4	2	5	4	5	3	-2	-7	-9	-7
-9	-6	-7	-6	-6	-4									



DATA PLOTTED ON THIS MAP:

FIELD	FILE	UNITS/CM	BASE
MAG	EXPL-V-188-4.GP/ALL	500	7800
IFFI	EXPL-V-188-4.GP/ALL	20	0.0

(10P0) EXPL-V-188-4.10P001

DIRECTION OF NORTH AT CENTRE OF MAP

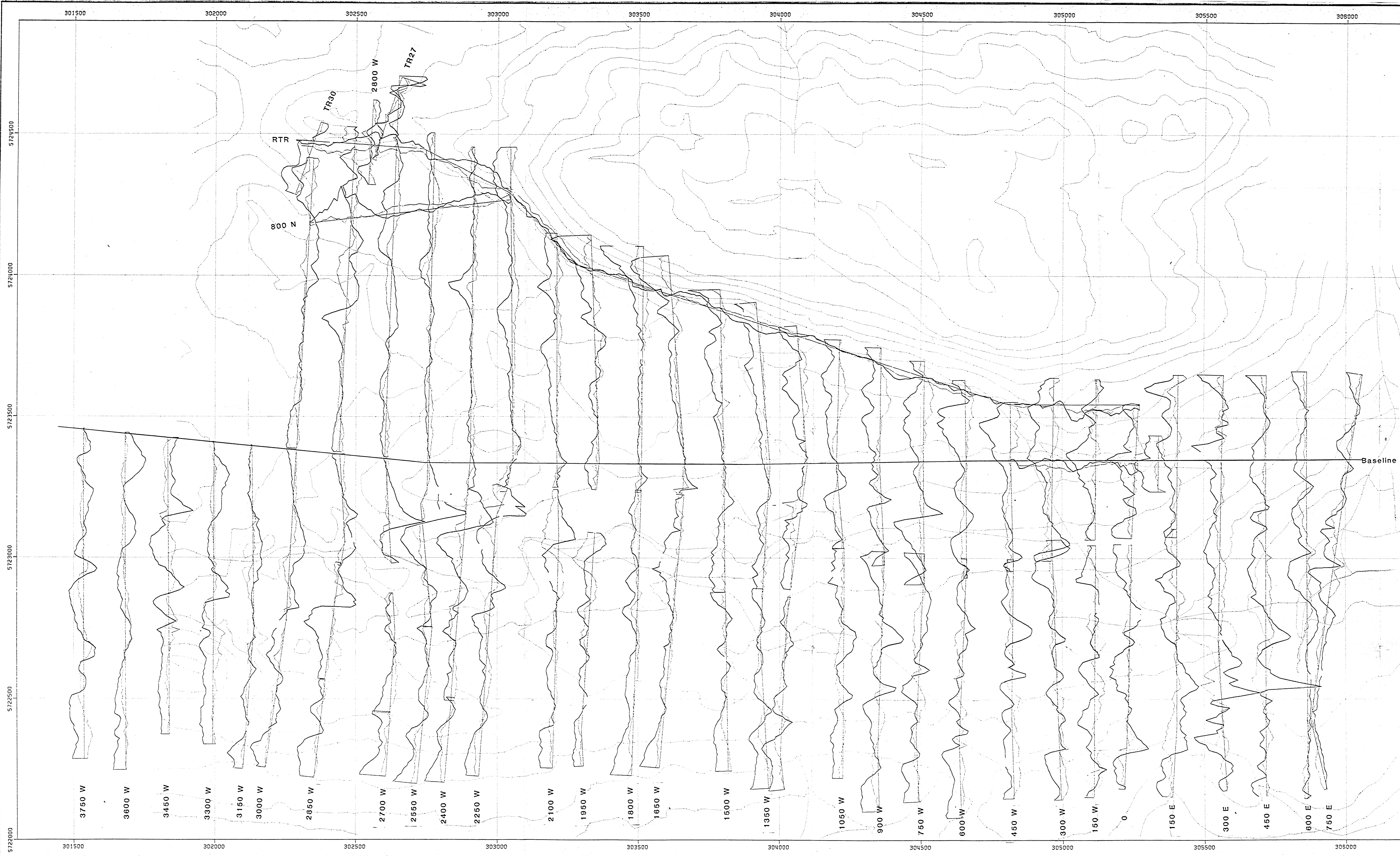
GEOLOGICAL BRANCH
ASSESSMENT REPORT

13,463

0 125 250 375 500
METRES

PLACER DEVELOPMENT LIMITED

DRAWN	JMT	MT MCLENNAN GROUND GEOPHYSICS
DATE	85/01/23	MAG AND "FRASER" FILTER PROFILES
SCALE	1:5000	



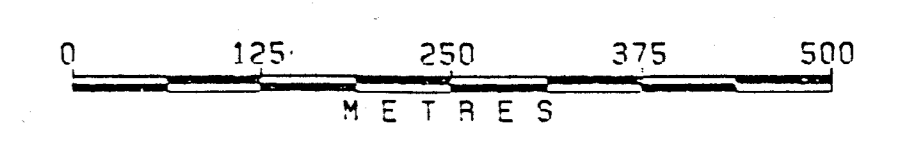
5724500
5724000
5723500
5723000
5722500
5722000

DATA PLOTTED ON THIS MAP:

FIELD	FILE	UNITS/CM	BASE
IP	EXPL-V-188-4.GP/ALL	20	0.0
QUAD	EXPL-V-188-4.GP/ALL	20	0.0
110P01 EXPL-V-188-4.TOP001			

DIRECTION OF NORTH AT CENTRE OF MAP
GEOLOGICAL BRANCH
ASSESSMENT REPORT

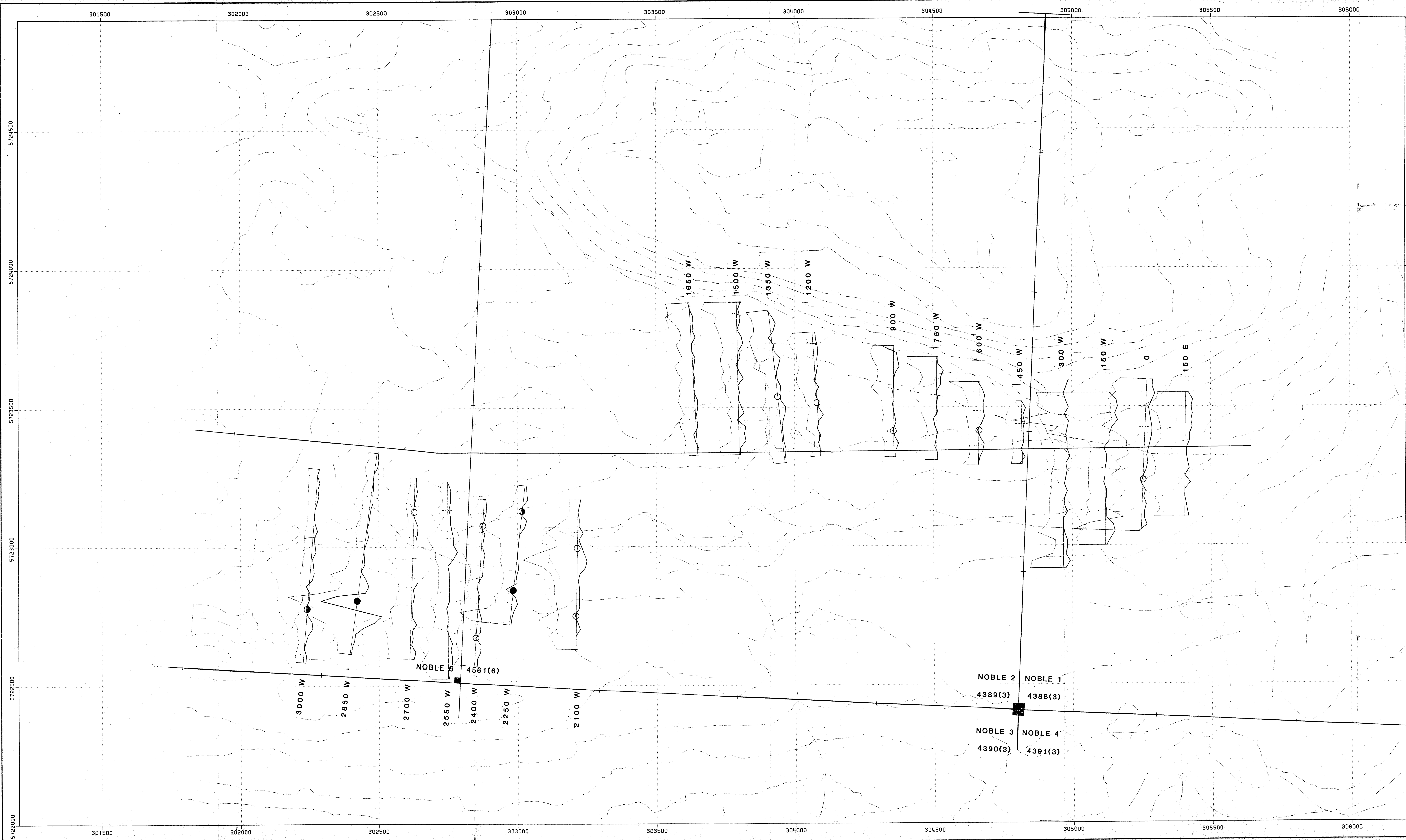
13,463



PLACER DEVELOPMENT LIMITED

DRAWN	JMT	MT MCLENNAN GROUND GEOPHYSICS
DATE	85/01/23	EM-16 IP AND QUAD PROFILES
SCALE	1:5000	

5722000



MT MCLENNAN "SHOOTBACK" CEM
 COIL SPACING = 100 METERS
 FREQUENCY = 1830 HZ
 PROFILES
 HEAVY - TILT ANGLE
 LIGHT - RESIDUAL FIELD STR

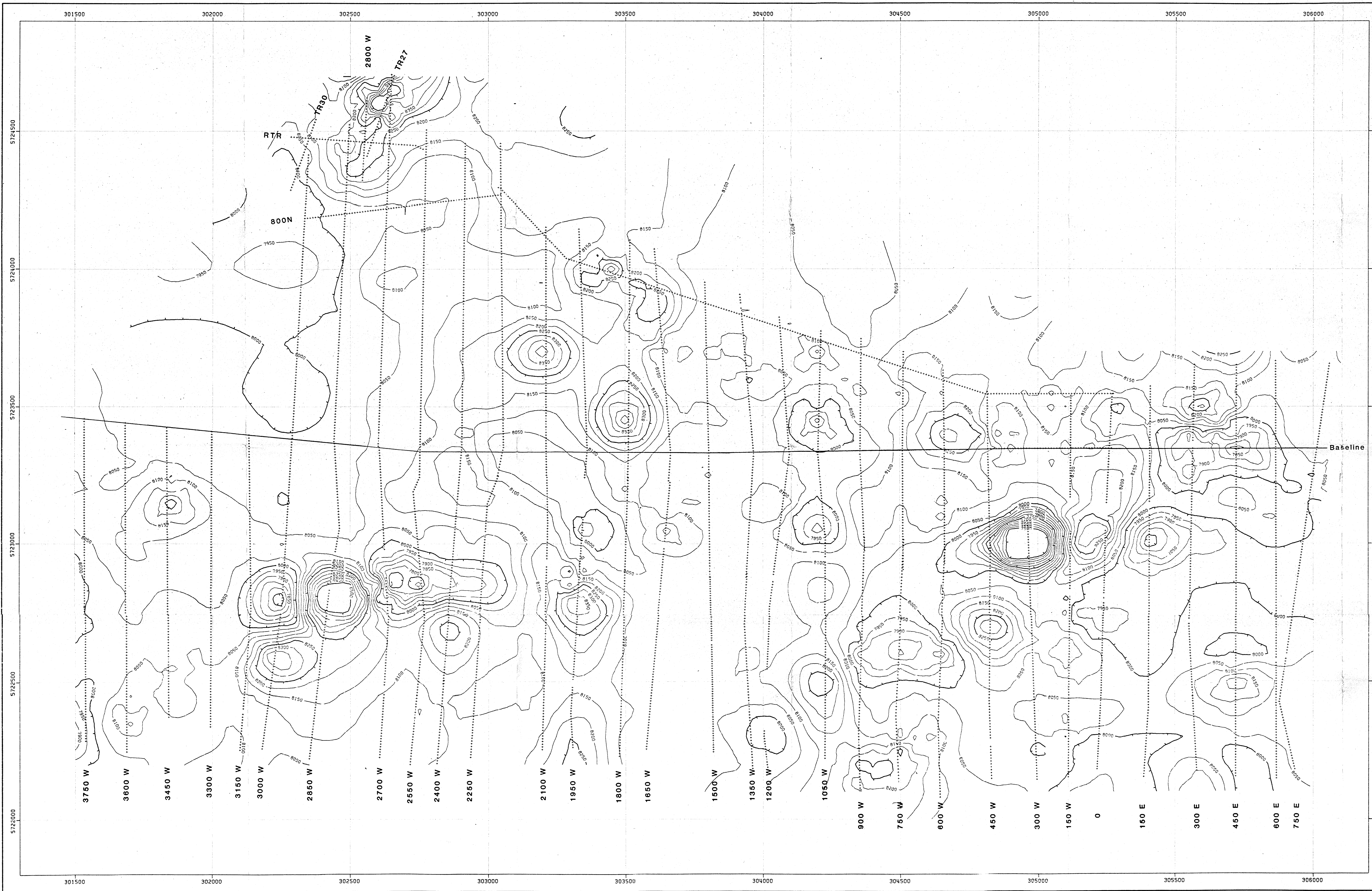
LEGEND
 ● - Strong Tilt Angle Anomaly
 ● - Weak Tilt Angle
 ○ - Possible Tilt Angle
 --- - Out of Phase Event

DATA PLOTTED ON THIS MAP:
 FIELD FILE SCALE BASE
 TILT EXPL-V-188-4.CEM-STATS 10 UNITS/CM 0.0
 RFS EXPL-V-188-4.CEM-STATS 10 UNITS/CM 0.0
 EXPL-V-188-4.TOP001

DIRECTION OF NORTH AT CENTRE OF MAP
GEOLOGICAL BRANCH
ASSESSMENT REPORT
13,463
 0 125 250 375 500
 METRES

DRAWN JMT		MT MCLENNAN "SHOOTBACK" CEM	
DATE 85/01/21		"STACKED" PROFILES	
SCALE 1:5000		Topography & Claim Location	

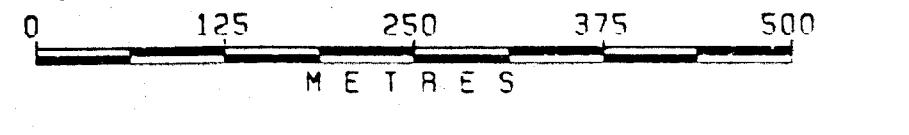
Note:
 50,000 gammas have been subtracted
 from the data.



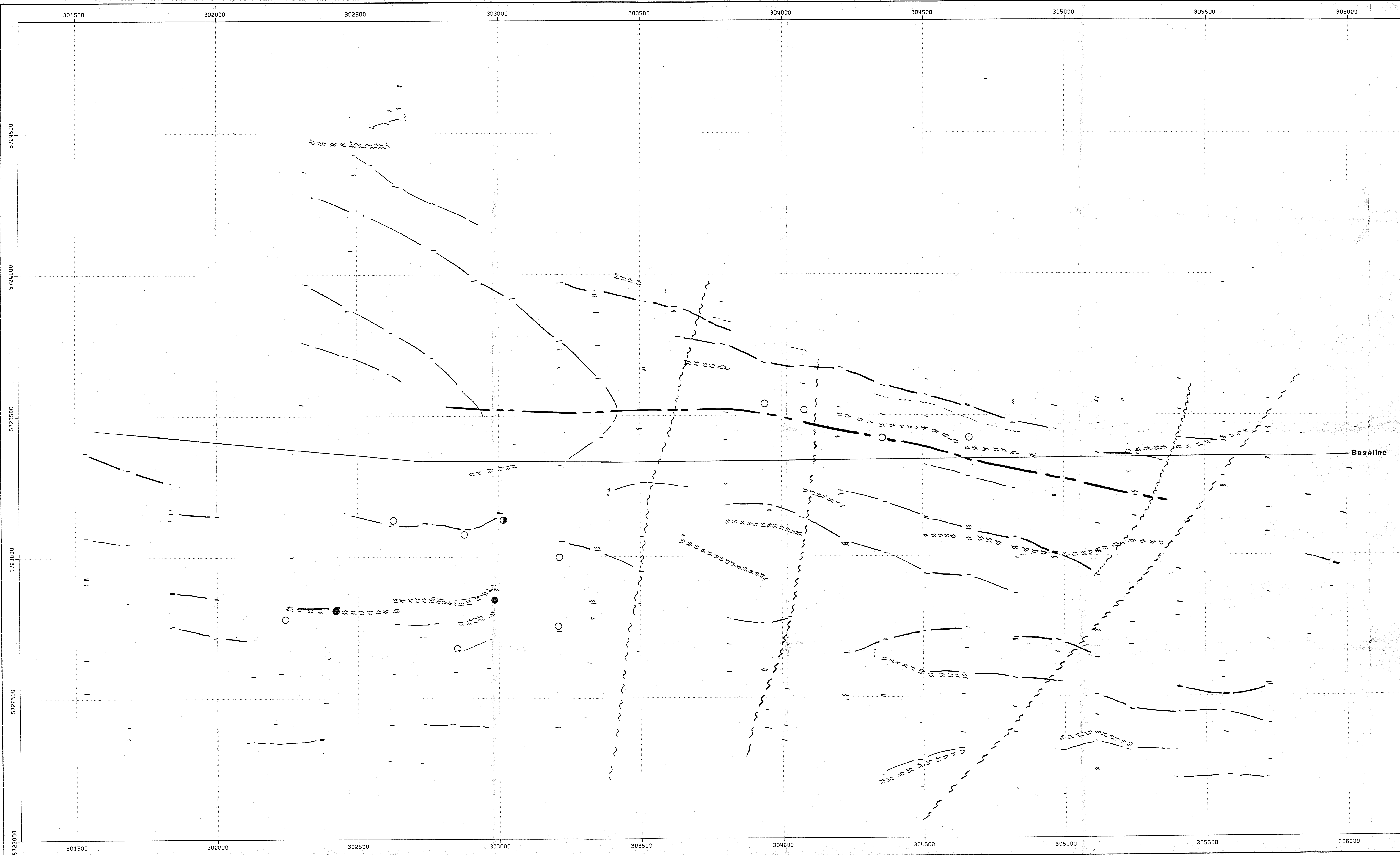
DATA PLOTTED ON THIS MAP:
 FIELD FILE
 + CONTOURS: MAG EXPL-V-188-4.GP/ALL

DIRECTION OF NORTH AT CENTRE OF MAP
 GEOLOGICAL BRANCH
 ASSESSMENT REPORT

13,463



PLACER DEVELOPMENT LIMITED	
DRAWN JMT	MT MCLENNAN GROUND GEOPHYSICS
DATE 85/01/22	MAGNETIC CONTOUR MAP
SCALE 1:5000	
No. 4	



5724000
5723500
5723000
5722500
5722000
5721500
5721000
5720500
5720000

LEGEND

- ○ - CEM Anomalies
- - - - - good, weak, possible contact or horizon
- || - VLF Anomalies good, weak
- ~ ~ ~ ~ ~ Magnetic Anomaly
- " " " " Linear
- - - - - Antiform Axis
- ~ ~ ~ ~ ~ Inferred Structural break

Baseline

DIRECTION OF NORTH AT CENTRE OF MAP

GEOLOGICAL BRANCH
ASSESSMENT REPORT

13,463
0 125 250 375 500
METRES

DRAWN JMT		PLACER DEVELOPMENT LIMITED	
DATE 85/01/23		MT MCLENNAN GROUND GEOPHYSICS	
SCALE 1:5000		INTERPRETATION	
		NO. 5	