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09/08/86

REPORT ON THE OROFINO MOUNTAIN PROPERTY  
 COVERING GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL SURVEYS  
 ON THE  
 KING, KING #1 TO KING #4, AND MO CLAIMS  
 OSOYOOS MINING DIVISION, B.C.

LOCATION

N.T.S.: 82E - 4E, 5E  
 LATITUDE: 49° 15'N.  
 LONGITUDE: 119° 41'W.

PREPARED FOR

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**GEOLOGICAL BRANCH  
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TABLE OF CONTENTS

	<u>PAGE</u>
SUMMARY .....	1
INTRODUCTION .....	2
General .....	2
Location and Access .....	2
Topography and Vegetation.....	2
Property Definition.....	3
History.....	3
Esploration Procedure.....	4
GEOLOGY AND MINERALIZATION	5
Regional Geology .....	5
Property Geology.....	5
Mineralization .....	6
GEOPHYSICAL SURVEY .....	7
GEOCHEMICAL SURVEY .....	7
DISCUSSION .....	7
CONCULSIONS AND RECOMMENDATIONS .....	8
COST ESTIMATES.....	9
BIBLIOGRAPHY.....	10
CERTIFICATE.....	11
CONSENT LETTER	

ILLUSTRATIONS

<u>Figure</u>	<u>Page</u>
1. Location Map .....	Follows Page 2
2. Claim Map .....	Follows Page 2
3. Proposed Program.....	Follows Page 8

TABLE

Table 1. Pertinent Claim Data .....	Page 3
-------------------------------------	--------

LIST OF PLATES (IN POCKETS)

Plate 1. .... Compilation Map  
Plate 4. .... VLF-EM Filtered  
Plate 5. .... Magnetism  
Plate 6. .... Gold in Soils

APPENDICES

APPENDIX A. .... Cost Statement  
APPENDIX B. .... Rock Sample Descriptions  
APPENDIX C. .... VLF-EM Profiles  
APPENDIX D. .... Certificates of Analyses  
APPENDIX E. .... PLATES

### SUMMARY

The Orofino Mountain Property of Grandex Resources Ltd. is situated in the Fairview-Orofino 'Gold Belt' and the Osoyoos Mining Division. The property is about 9 kilometers northwest of the Stemwinder, Fairview and Morning Star crown grants which produced over 500,000 tons yielding about 0.12 oz Au/ton and 1.42 oz Ag/ton. The geological, geochemical and structural setting of the Orofino Mountain Gold Camp is similar to the better known Fairview Gold Camp.

Mineralization on the Orofino Mountain Property, consisting of quartz veins with pyrite, chalcoppyrite, galena and free gold, forms part of the Orofino Mountain 'Gold Camp' which adjoins the Fairview Camp. Gold values of up to 10.8 oz/ton over 0.9 meters have been obtained from the lower King adit and a trench above this adit consistently yields assays across 12 to 24 inches of over an ounce of gold. A value of 1.142 oz Au/ton over 24 inches was obtained by the writer from the high-grade King trench. Old tailings present on the property yield assays of over 0.1 oz Au/ton and support previous records of high-grade gold production.

The property consists of 6 modified grid claims which cover about 1550 hectares in the Orofino Mountain area. Excellent access exists to the property via Highway 3A from Keremeos or Penticton which allows for a year around field season.

The Orofino Mountain Gold camp has recorded production of over 24,000 tons yielding 0.37 oz Au/ton and a little silver with unknown tonnage of high-grade gold production from the King workings on the Orofino Mountain Property.

A total of about 41 line kilometers have been surveyed with VLF-EM, magnetics and soil geochemical sampling. Several magnetic and VLF-EM anomalies are indicated. Four areas with strongly anomalous gold values in soils and a number of isolated anomalous gold values in soils have been defined.

Exploration is warranted to investigate the possibility of a viable gold deposit on the Orofino Mountain property with excellent potential for establishment of high grade gold reserves that could be custom milled at the nearby Dankoe Mill. The writer recommends a staged exploration program with the initial geochemical, geophysical, trenching and 5000 feet of diamond drilling to concentrated on the area of the King workings (see Figure 3). The recommended initial stage is estimated to cost \$250,000 with contingent Stage II and III programs estimated to cost \$250,000 and \$500,000 respectively.

## INTRODUCTION

### GENERAL

The Orofino Mountain Property consisting of 74 metric units is situated in the Osoyoos Mining Division about 11 kilometers northeast of Keremeos, B.C. Access to the claim area is via an all weather two wheel drive logging road which allows cost effective exploration throughout the year.

The writer was retained by the management of Grandex Resources Ltd. to review the geological setting of the Orofino Mountain Property in order to recommend an appropriate exploration program for testing the precious metal potential of property. The report summarizes previous exploration and an exploration programs conducted between May 17 and May 31, 1986 and between June 9 and August 22, 1986 under the general supervision of the writer and daily field supervision of Mr. Grant Crooker. The current programs followed the initial stage of exploration recommended by the writer (Christopher, 1986 - Exploration of the Orofino Mountain Property, south-central British Columbia dated April 30, 1986). The writer examined the property with Mr. Grant Crooker on May 17, and June 29, 1986.

This report provides a review of field observations and data which support a recommended Staged exploration program for the Orofino Mountain Property.

### LOCATION AND ACCESS (Figures 1 & 2)

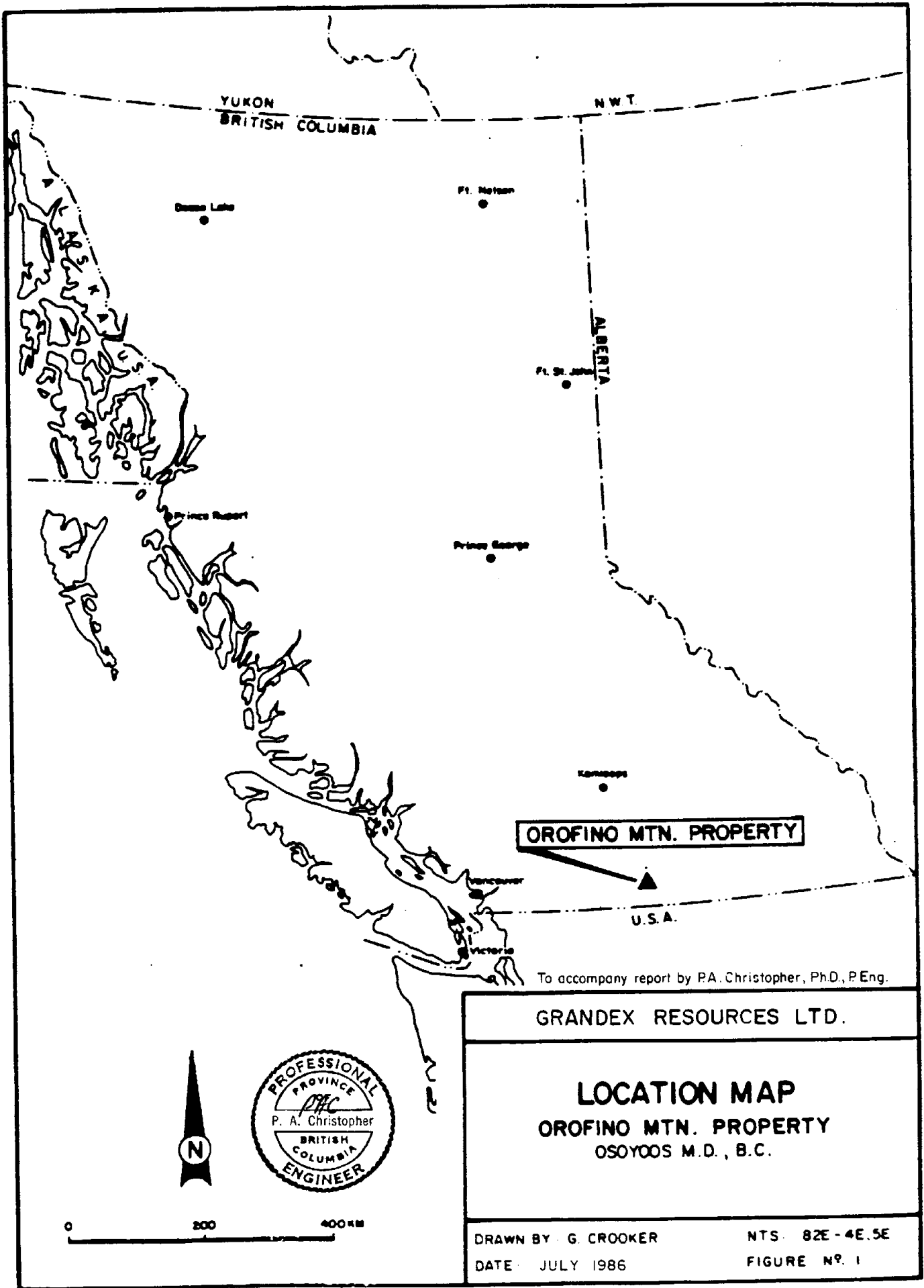
The Orofino Mountain Property of Grandex Resources Ltd. is located 11 kilometers northeast of Keremeos and 7 kilometers southeast of Twin Lakes, on Orofino Mountain in southern British Columbia. The claims lie between  $49^{\circ} 14'$  and  $49^{\circ} 16'$  north latitude and  $119^{\circ} 39'$  and  $119^{\circ} 42'$  west longitude.

Access from Keremeos or Penticton is via highway 3A onto a secondary road at the Twin Lakes Golf Course about 24 kilometers from Penticton and 13 kilometers from Keremeos. An all weather 2 wheel drive logging road leads to the claims with a network of logging and mining roads covering the entire claim area. Limited snow removal should allow for drive in access for a 12 month field season.

### TOPOGRAPHY AND VEGETATION

The Orofino Mountain Property is located in the Okanagan Highlands Physiographic Province with topography varying from rolling hills to steep slopes. The property has moderate relief of about 600 meters with elevations varying from 1,000 meter to 1,600 meters above seal level.

Most of the area is timbered with larch, spruce fir, or pine with bunch-grass and sagebrush covering open meadow areas.



To accompany report by P.A. Christopher, Ph.D., P.Eng.

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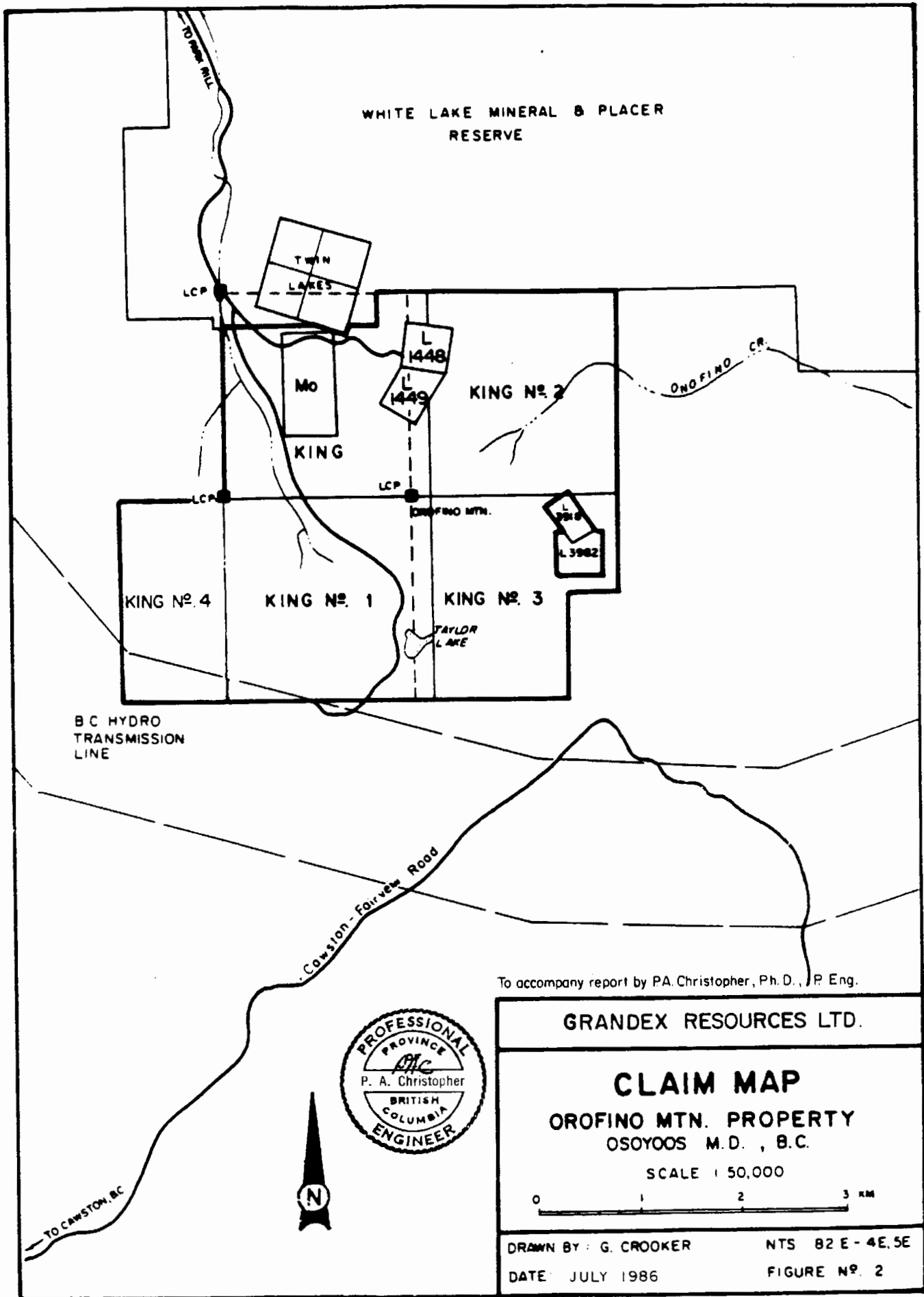
**LOCATION MAP**  
**OROFINO MTN. PROPERTY**  
 OSOYOOS M.D., B.C.

DRAWN BY: G. CROOKER

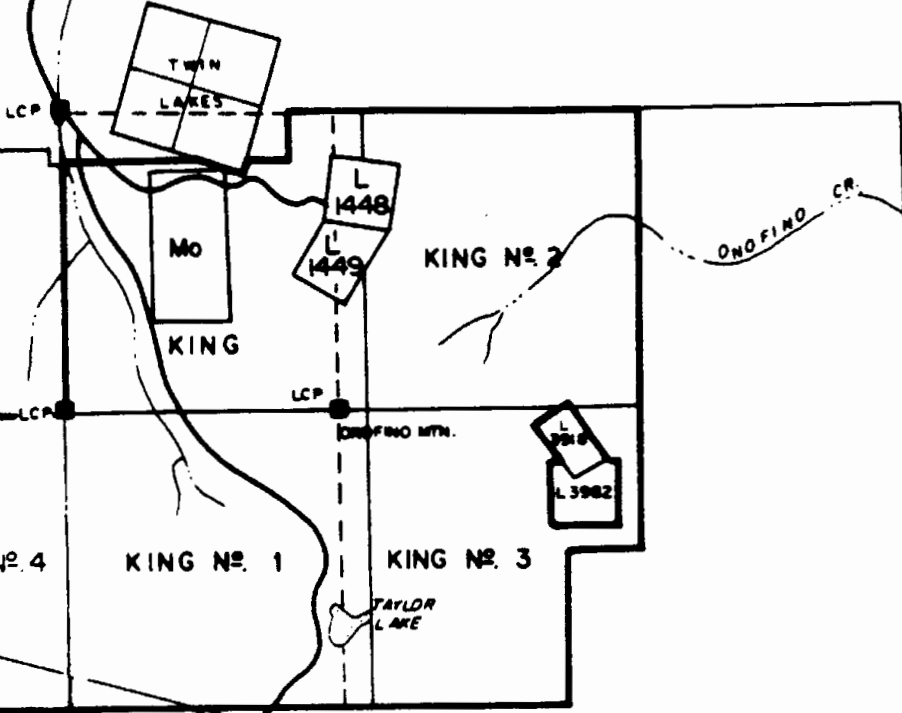
NTS: 82E-4E.5E

DATE: JULY 1986

FIGURE NO. 1



WHITE LAKE MINERAL & PLACER RESERVE



BC HYDRO TRANSMISSION LINE

Cosmon - Fairview Road

TO CAWSTON, B.C.



To accompany report by P.A. Christopher, Ph.D., P. Eng.

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**CLAIM MAP**  
**OROFINO MTN. PROPERTY**  
 OSOYOOS M.D., B.C.  
 SCALE 1:50,000



DRAWN BY: G. CROOKER      NTS 82 E - 4E.5E  
 DATE: JULY 1986          FIGURE No. 2

## PROPERTY DEFINITION

The Orofino Mountain Property consisting of 6 metric claims totalling 74 units is situated in the Osoyoos Mining Division. The claims are owned by Mr. Grant Crooker of Keremeos, British Columbia with Grandex Resources Ltd. holding an option to earn a 100% interest in the property. The claims appear to cover a total of about 1550 hectares which is reduced from the total possible area of 1850 hectares by overlap of adjacent claim, overlap of previously staked ground and overlap of White Lake Mineral & Placer Reserve. The writer has examined the King legal corner post and a number of identification posts which confirm the location of the Orofino Mountain Property.

Figure 2 shows the property location and the location of lots 1448, 1449, 3918, 3982 and the Twin Lakes claims which are not part of the Orofino Mountain property. Pertinent claim data is summarized in Table 1.

TABLE 1. Pertinent Claim Data For King Property.

<u>Name</u>	<u>Record #</u>	<u>Units/Shape</u>	<u>Record Date</u>	<u>Expiry*</u>	<u>Staker</u>
Mo	135	2/2Sx1W	Oct.15/1976	1997	Grant F. Crooker
King	1386	16/4Sx4E	May 8/1981	1990	Grant F. Crooker
King #1	1398	16/4Sx4E	June 5/1981	1989	Grant F. Crooker
King #2	1461	16/4Nx4E	Aug.31/1981	1989	Grant F. Crooker
King #3	1462	16/4Sx4E	Aug.31/1981	1989	Grant F. Crooker
King #4	1630	8/4Sx2W	Nov.12/1982	1989	Grant F. Crooker

\* Expiry Date Upon Acceptance of Filed Work.

## HISTORY

The Orofino Mountain Gold Camp activity dates to the 1890's, when the Fairview Camp was discovered. The Orofino Mountain area has similar geology to the adjacent Fairview Gold Camp which encouraged prospecting that led to early discoveries.

The three main properties within Orofino camp are the Twin Lakes (Twin Lakes 1-4), Grandora (L1448, L1449) and the Orofino Mountain Property (Mo, King, King #1 - King #4). The British Columbia Mineral inventory shows the occurrences as 82E-SW-10, 11, 113 and 137 with 10, the Grandora consisting of the old Independence and Orofino crown grant; 11, the Twin Lake; 113, called the Hill covering the King Showings; and 137, the Mo refers to a rhodonite showing. The Orofino Mountain Property is the subject of this report.

On the Orofino and Twin Lakes properties, considerable underground development was carried out between 1930 and 1941. Production from the camp is reported by Hedley and Watson (1945) to be 24,058 tons yielding 8,858 ounces of gold and a little silver. A limited amount of the production has been mined from near surface workings at the lower King adit. No drilling is known to have been completed on the King workings.



The Lower King Adit has been driven for approximately 50 meters with the last 25 meters stoped. production from the stope is estimated to be between 1000 and 2000 tons. The Upper King Adit has been driven for approximately 25 meters with a winze to a lower level. The grade and tonnage of production from the winze are unknown. The winze is presently full of water.

During the period 1981 through 1984 the property was geologically mapped, and limited geophysical and geochemical surveys were carried out. The results were encouraging but the operator chose not to continue exploration of the property.

Grandex Resources Ltd of Vancouver obtained an option to acquire the property from Mr. Grant F. Crooker of Keremeos in May of 1986. The current field program was conducted under the supervision of the writer in May and June of 1986.

### EXPLORATION PROCEDURE

The summer 1986 program consisted of establishing a grid, soil, silt and rock sampling, and VLF-EM and magnetometer surveys. All roads were graded with a D-4 Cat and washouts repaired. Four small trenches were cut in the area of known showings.

Twenty-three kilometers of line were added to the property grid with twenty-one kilometers of old grid re-established. The baseline is north-south with east-west lines established at 100 meter intervals. Stations were chained and marked at 20 meter intervals along the lines.

Soil samples were taken at 20 meter intervals with every second sample analyzed for gold. Samples adjacent to anomalous values were later run for gold. Approximately 2000 soil samples were taken and 1018 analyzed for gold (Plate No. 6). The samples were generally taken at a depth of 10-20 centimeters in the brown "B" horizon. All samples were placed in soil geochemical bags and dried for shipment to the laboratory. Nineteen silt samples were taken (Plate No. 1) from the main drainages and analyzed for gold, silver, lead and copper.

Samples were analyzed by Rossbacker Laboratory Ltd., Burnaby, B.C. Laboratory technique for the analyses consists of preparing samples by drying at 75° C. and sieving to minus 80 mesh. Copper, lead, and silver are analyzed by nitric-perchloric digestion, while gold is analyzed by aqua-regia digestion. Concentrations of elements are determined by atomic absorption.

Forty-four rock samples were taken (Plate No.1) with thirty-three analyzed for gold and six samples analyzed for gold and silver. The samples were fire assayed by Chemex Labs Ltd., 212 Brooksbank Ave., North Vancouver, B.C.

Nineteen kilometers of VLF-EM surveying were carried out (Plate No. 4) with readings taken every 20 meters. Grant Crooker, B.Sc. geologist carried out the survey using a Geonics EM-16 receiver. The VLF transmitter was NKL Seattle at 24.8 KHZ. The Seattle transmitter

was employed because of excellent signal strength and orientation relative to the known geological structure.

The EM-16 measures IN-phase and Quadrature components of vertical magnetic field as a percentage of horizontal primary field with both values read in degrees. Field procedure requires facing the same direction when taking readings. When approaching a conductor the readings will be positive, and leaving a conductor produces negative readings.

The Em-16 is rotated in the vertical plane until a minimum signal is obtained. This reading is the "In-phase" and gives the tiltangle in degrees and the tangent of the tiltangle expressed as a percentage. Once the minimum signal is obtained, the "Quadrature" knob is rotated until the signal minimum is obtained. This reading is approximately the ratio of the quadrature component of the vertical secondary field to the horizontal primary field.

The VLF-EM can pick up conductors caused by electrolyte-filled fault or shear zones and porous horizons, graphite, carbonaceous sediments, lithological boundaries as well as sulphide bodies.

Forty-one kilometers of magnetic readings were collected (Plate No. 5) with a Scintrex MP-2 Proton Precession magnetometer used at survey stations spaced every 20 meters. Base station readings were taken at the beginning and end of each day, all values were corrected for diurnal variation. Diurnal variation was minimal, normally being 60 gammas or less.

## GEOLOGY AND MINERALIZATION

### REGIONAL GEOLOGY

The Orofino Mountain Property is situated near the tectonic boundary of the Intermontane Belt and the Omineca Crystalline Belt. The regional geology has been mapped by Bostock (1940, 1941), Cairnes (1940) and Little (1961). The area is underlain by a series of easterly trending sequence of rocks that include quartzite, chert, and greenstone of Triassic and earlier age with the names Shoemaker Formation, Old Tom Formation and Kobau Group applied to parts of the sequence.

Sedimentary and volcanic rocks are intruded by Mesozoic age granitic bodies that vary from diorite to granite in composition. The granitic bodies have been referred to as Nelson and Valhalla plutonic rocks (Little, 1961). On the north and west Eocene Volcanic rocks are block faulted against older sedimentary, volcanic and granitic units.

### PROPERTY GEOLOGY (Plate 1)

The property geology (Plate 1) is modified from work by Crooker (1984b) with minor changes in geological interpretation resulting from new geophysical and trenching data. The oldest rocks underlying the Orofino Mountain Property are quartzites of the Carboniferous Kobau Group (unit 0, Plate 1). Triassic quartzites of the Shoemaker Formation (Unit 1, Plate 1) form two relatively narrow bands which

strike west and northwest across the King and King #2 claims. The quartzites vary from massive to thinly bedded and are light grey in color.

The sedimentary rock units appear to be rafts or pendants in a intrusive complex that varies from gabbro through granite (units 2 through 6, Plate 1). A single granitic dike has a 80° trend.

Vesicular basalt of the Eocene or Oligocene Marron Formation (Unit 7, Plate 1) are block faulted against older rocks on the north and west sides of the property.

The best mineralized veins appear to strike north to northeast with near vertical dips. Recently trenched veins have similar strike but dip at about 45° to the west.

### MINERALIZATION

Mineralization on the Orofino Mountain Property, consisting of quartz veins with significant gold values, forms part of the Orofino Mountain 'Gold Camp' which adjoins the Fairview Camp. The Fairview gold camp has produced 521,300 ton of ore, yielding 0.12 oz Au/ton and 1.42 oz Ag/ton with current operators estimating several hundred thousand tons of reserves with grades similar to past production. The Orofino Mountain Camp (Twin Lakes Camp) has reported production of 24,058 tons yielding 8,858 oz. of gold and a little silver (Hedley and Watson, 1945).

Mineralization on the Orofino Mountain Property consists of quartz veins with pyrite, chalcopyrite, galena, and free gold. Rhodonite occurs as replacement zones in the Shoemaker Formation on the Mo claim. Veins in the Fairview Camp are reported to contain pyrite, chalcopyrite, galena, sphalerite and free gold with gold content increasing as sulphide content of the veins increases.

Quartz veins in the Orofino Mountain gold camp occur in the same geological setting as veins of the adjacent Fairview gold camp. Veins are associated with a granite body that extends from Fairview to Orofino Mountain with veins generally occurring within a mile of the contact of the granitic body and older rocks.

Although no production record exist, old workings indicate that several thousand tons may have been produced from the King workings on the Orofino Mountain Property. Gold values of up to 10.8 ounces per ton over 0.9 meters have been obtained from the Lower King Adit (Crooker, 1981) and a trench above this adit consistently yields assays across 12 to 18 inches of over an ounce per ton. A 2 foot (61 cm) chip sample collected by the writer from the high grade King Trench assayed 1.142 oz Au/ton and 1.03 oz Ag/ton. Sample 38251 collected by the writer from float near station 8+00W on Line 20S assayed 0.036 oz Au/ton and a 2 foot chip across a shear at 2+00E on Line 0 assayed 0.038 oz Au/ton. Samples collected by the writer confirm both the presence of high-grade gold shoots in the area of the King workings and the widespread occurrence of anomalous gold with in the Orofino Mountain camp. Elevated geochemical values for gold in soils also indicate a number of additional gold target areas.

## GEOPHYSICAL SURVEYS

Geophysical surveys included an additional 21 kilometers of VLF-EM and an initial 41 kilometer magnetic survey. Magnetic values varied from a low of 6029 gammas to 10166 gammas resulting in strong magnetic relief within the surveyed areas. VLF-EM reading showed wide variations that are believed to reflect a number of strong northerly to northeasterly trending conductors within the area of the Orofino Mountain Property.

VLF-EM anomalies were selected by using Fraser Filter methods to treat the data. Results of the current survey are shown on Plate 4 with previous survey results shown on Plate 1. VLF-EM dip angle and quadrature readings are presented along with profiles in Appendix C. The conductive zones are considered to reflect several geological environments with mineralization associated with a number of anomalies in the area of the King workings and Grandora prospect. Trenching and/or diamond drilling will be required to explain anomalies situated in overburden covered areas.

Magnetic readings indicate a number of anomalies with low values possibly associated with altered and mineralized shear zones and high values possibly results from magnetite or pyrrhotite mineralization. Variations in geological formations could as cause similar anomalous magnetic patterns. Magnetic anomalous should be tested by trenching to evaluate the usefulness of conducting further magnetic surveys in overburden covered areas.

## GEOCHEMICAL SURVEY

Samples were collected from the grid area at 20 meter intervals with alternate samples analyzed except in anomalous areas. Of about 1018 soil samples analyzed about 53 or 5.2% have anomalous gold values of 20 ppb or more. Values range from the detection limit of 5 ppb to 5500 ppb at station 0+60 W on line 5N. A number of strongly anomalous samples near the norther boundary of the claims reflect the presence of mill tailings and extensions of mineralized vein systems from the Twin Lakes workings.

Geochemical follow-up should include analyzing of alternate 20 meter samples for gold and detailed follow-up of anomalous zones on L5N from 1+40W to 3+20E; L2N 6+40E to L6N 4+20E; L17S 10+00E to 10+40E; and L19S 6+80W to L18S 6+20W. Trenching and/or drilling should be employed to obtain rock samples from the strongly anomalous zone. A number of the isolated anomalous sample may be elevated to the trenching stage with further analytical work.

## DISCUSSION OF THE OROFINO MOUNTAIN PROPERTY

Mineralization on the Orofino Mountain Property, consisting of quartz veins with gold values up to 10.8 oz/ton over 0.9 meters, form part of the Orofino Mountain 'Gold Camp' which adjoins the Fairview Camp. Production from the Orofino Mountain camp is reported to be about 24,000 tons yielding about 0.4 oz. Au/ton with over 10,000 tons of better than 0.50 ounces per ton mined from the Oro Fino and Independence crown grants which are enclosed by the Orofino Mountain

Property. Exploration is warranted to investigate the possibility of viable mineral deposits on the Orofino Mountain Property with excellent potential for establishment of high grade reserves that could be custom milled at the nearby Dankoe Mill.

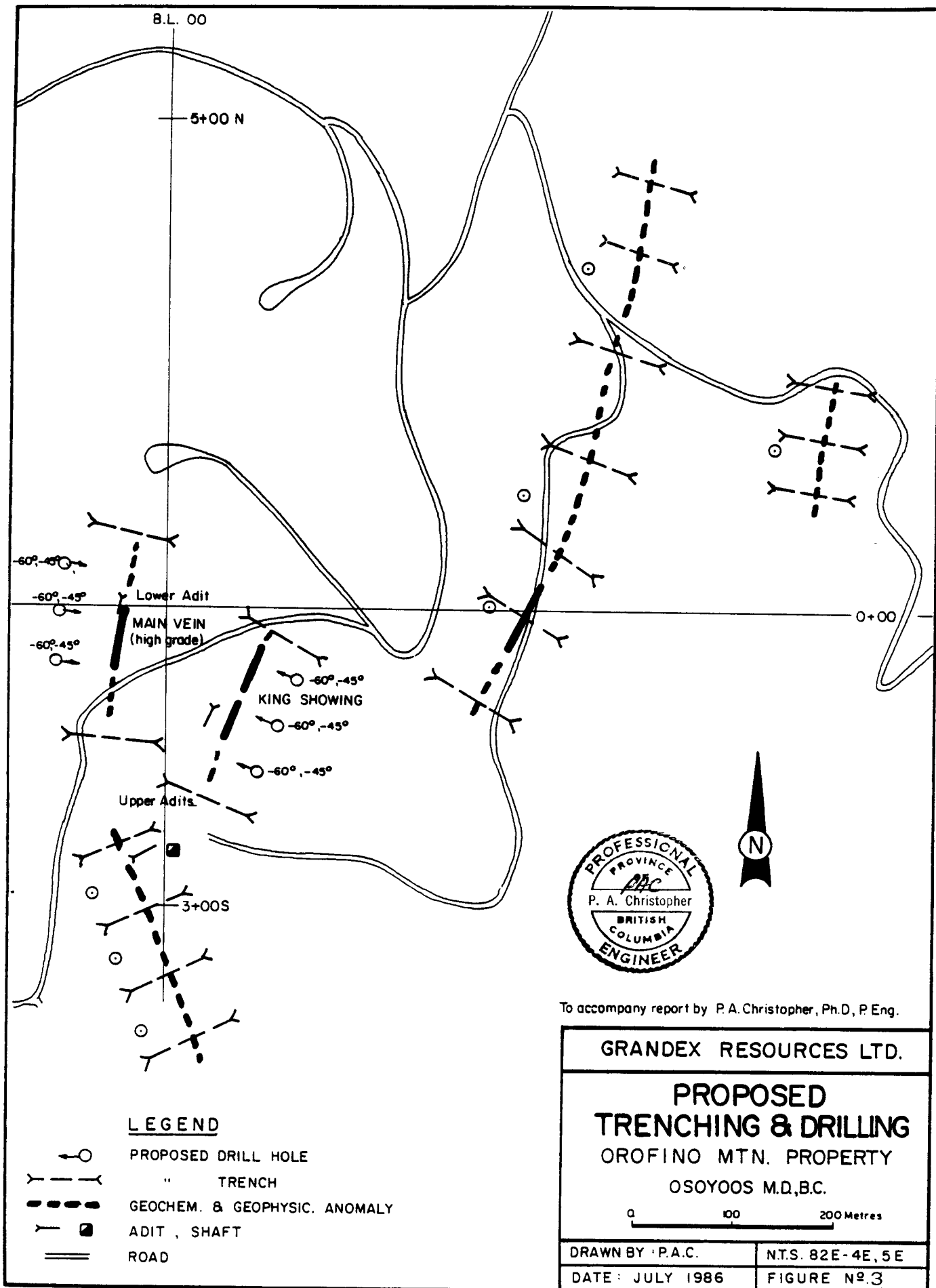
A proposed plan for exploration of the King working area is presented as Figure 3. The initial drill holes should be placed to explore the best mineralized sections of the lower and upper King working. Initial close spaced holes should be used to test for strike and dip continuity of the mineralization. After confidence is gained in predicting the distribution of mineralization and structures, a wider spaced drill pattern should be considered.

A bulldozer should be available during the program to provide drill support and to allow for testing and access to a number of isolated geochemical anomalies. An initial 5,000 foot diamond drill program is recommended to test the Orofino Mountain Property with the first 3,000 feet designated to the area of the King Working (Figure 3). The remaining 2,000 feet of drilling should be direct by the project geologist and engineer to test new targets resulting from follow-up geochemical and geophysical surveys and trenching.

#### CONCLUSIONS AND RECOMMENDATIONS

Preliminary exploration of the Orofino Mountain property has been successful in defining several targets that warranted further evaluation for economic concentrations of gold mineralization. The presences of values of up to 10.8 ounces of gold per ton over 0.9 meters justifies an aggressive drilling program in the area of the old King (Hill) workings. An initial trenching and 5000 foot diamond drill program is recommended with the initial 3000 feet designated for testing the King working and the remaining 2000 feet to be allotted by the project geologist or engineer after follow-up geochemical, geophysical and trenching tests of established anomalies.

A recommended initial program of trenching, diamond drilling, and follow-up geochemical and geophysical surveys is estimated to cost \$250,000. A follow-up program of deeper drill testing is contingent on the results of the initial drill program and a Stage III program of underground testing of the King zones is contingent on the initial drill results. The follow-up Stage II drill program is estimated to cost \$ 250,000 and a budget of \$500,000 is estimated to be required of initial underground testing. Cost estimates for the staged exploration program follow.



COST ESTIMATES

STAGE I. GEOCHEMICAL, GEOPHYSICAL, TRENCHING, DIAMOND DRILLING

TRENCHING, ROAD RESTORATION, DRILL SUPPORT	\$ 25,000
DIAMOND DRILLING 5,000 FEET @ \$25EA/ALL INCL DRILLING	125,000
ENGINEERING & REPORTING	15,000
FIELD SUPERVISION	15,000
GEOCHEMICAL ANALYSES	10,000
GEOPHYSICAL SURVEYS	5,000
GEOCHEMICAL SURVEYS	5,000
MANAGEMENT @ 10%	20,000
CONTINGENCY @ 15%	<u>30,000</u>

STAGE I TOTAL \$ 250,000

STAGE II. TRENCHING, ROAD BUILDING, DIAMOND DRILLING

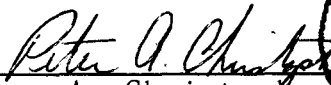
TRENCHING, ROAD BUILDING, DRILL SUPPORT	\$ 25,000
DIAMOND DRILLING 5,400 FEET @ \$25EA/ALL INCL DRILLING	135,000
GEOCHEMICAL ANALYSES	10,000
ENGINEERING & REPORTING	15,000
FIELD SUPERVISION	15,000
MANAGEMENT @ 10%	20,000
CONTINGENCY @ 15%	<u>30,000</u>

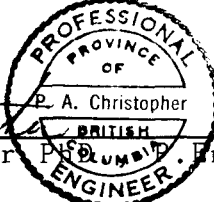
STAGE II TOTAL \$ 250,000

STAGE III. UNDERGROUND DEVELOPMENT & DRILLING (CONTINGENT)

UNDERGROUND DEVELOPMENT 1000 FEET @ \$ 200 EA	\$ 200,000
DRILLING 10,000 FEET @ \$12 EA	120,000
MILLING TESTS	50,000
ENGINEERING & FIELD SUPERVISION	50,000
MANAGEMENT @ 10%	42,000
CONTINGENCY	<u>38,000</u>

STAGE III TOTAL \$ 500,000

  
Peter A. Christopher P. Eng.  
August 22, 1986



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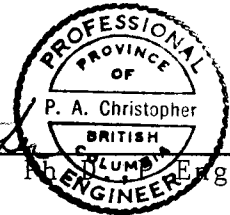


CERTIFICATE

I, Peter A. Christopher, with business address at 3707 West 34th Avenue, Vancouver, B.C., do hereby certify that:

1. I am a consulting geological engineer registered with the Association of Professional Engineers of British Columbia since 1976.
2. I am a Fellow of the Geological Association of Canada and a member of the Society of Economic Geologists.
3. I hold a B.Sc. (1966) from the State University of New York at Fredonia, a M.A. (1968) from Dartmouth College and a Ph.D. (1973) from the University of British Columbia.
4. I have been practising my profession as a Geologist for over 20 years.
5. I have no direct or indirect interest, nor do I expect to receive any interest directly or indirectly in the properties or securities of Grandex Resources Ltd. or associated companies.
6. I have based this report on a field examinations conducted by me on May 17th and June 29th, 1986 and on a review of company and government report on the area of the Orofino Mountain Property.
7. I consent to the use of this report by Grandex Resources Ltd. or associated companies, in any Filing Statement, Statement of Material Facts, Prospectus or assessment report issued by the company.

  
Peter A. Christopher, P. Eng.  
August 22, 1986



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Office/Res: 263-6152  
Bus: 688-3363  
Telex: 04-51313


August 22, 1986

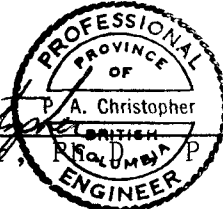
Grandex Resources Ltd.  
501-700 West Pender Street  
Vancouver, British Columbia  
V6C 1G8

Dear Sirs:

I, Peter A. Christopher, Ph.D., P.Eng., hereby consent to the use of my report dated August 22, 1986 on the Orofino Mountain Property, Osoyoos Mining Division, British Columbia, for assessment purposes or in any Filing Statement, Statement of Material Facts or Prospectus to be issued by Grandex Resources Ltd.

DATED at Vancouver, British Columbia, this 22nd day of August, 1986.

  
Peter A. Christopher, P. Eng.



The seal is circular with the text "PROFESSIONAL ENGINEER" around the perimeter and "PROVINCE OF BRITISH COLUMBIA" in the center. The name "P. A. Christopher" is stamped across the seal.

APPENDIX A

COST STATEMENTS

STATEMENT 1	\$ 8,942.35
STATEMENT 2	29,728.29
PHYSICAL WORK	<u>4,400.00</u>
TOTAL COSTS	<u>\$ 43,070.64</u>

COST STATEMENT No. 1  
(May 17 to May 31, 1986)

Personnel

G. Crooker, Geologist		
May 17, 21, 23-30/86	10 days @ \$350ea.	\$ 3500.00
Lee Mollison, Field Assistant		
May 21, 23-30/86	9 days @ \$150ea.	1350.00
Peter A. Christopher, P.Eng. - Supervision		
May 17, 1986	1 day @350ea.	350.00

Meals and Accommodation 20 man days @ \$60ea. 1200.00

Transportation

Vehicle Rental (3/4 ton 4x4)	10 days @ \$60ea.	600.00
Gasoline		124.35
Vehicle Rental (Datsun 4x4)	1 day & mileage	100.00

Instrument Rental

1 Magnetometer (Scintrex MP-2)	7 days @ \$25ea.	175.00
1 VLF-EM (Geonics EM-16)	7 days @ \$25ea.	175.00

Analysis

280 soil soils @ \$4.35 (Au-geochem) 1218.00

Supplies

(flagging, hip chain thread, geochem bags etc.) 150.00

Total \$ 8942.35

COST STATEMENT No. 2  
(June 9 to August 22, 1986)

Personnel

G. Crooker, Geologist  
June 9-14, 16-21, 23-28, 29/2 31.5 days @ \$350ea. \$ 11025.00  
July 1-10; Aug 18-20, 1986.

Lee Mollison, Field Assistant  
June 9-14, 16-21, 23-28, 29/2 22.5 days @ \$150ea. 3375.00  
July 1,3,7,8, 1986

Frank Haidlauf, Field Assistant  
June 23-28, 1986 6 days @ \$150ea. 900.00

Peter A. Christopher, P.Eng. - Supervision  
June 28,29 Aug. 16-22, 1986 9 day @350ea. 3150.00

Meals and Accommodation 53 man days @ \$60ea. 3180.00

Transportation

Vehicle Rental (3/4 ton 4x4) 22.5 days @ \$60ea. 1350.00  
Gasoline 216.04  
Vehicle Rental (Datsun 4x4) 2 days & mileage 200.00

Instrument Rental

1 Magnetometer (Scintrex MP-2) 12 days @ \$25ea. 300.00  
1 VLF-EM (Geonics EM-16) 14 days @ \$25ea. 350.00

Freight 150.00

Analysis

738 soils @ \$4.35 (Au-geochem) 3210.30  
19 silts @ \$7.55 (Au,As,Pb,Cu geochem) 143.45  
33 rocka @ \$11.50 (Au Fire Assay) 379.50  
2 rocks @ \$14.50 (Au,Ag Fire Assay) 29.00

Supplies

(flagging, hip chain thread, geochem bags etc.) 270.00

Preparation of Report

(Drafting, Word Processing, Printing, Office etc.) 1500.00

Total \$ 29728.29  
Total \$ 8942.35

APPENDIX B

ROCK SAMPLE DESCRIPTIONS

<u>LOCATION</u>	<u>DESCRIPTION</u> (Plate #1 unless indicated)
0+50S, 16+00E -	Float, white quartz with vugs, minor pyrite.
1N, 0+40E -	Float, white quartz, green wall rock with pyrite.
1N, 0+20E -	Float, white quartz, fractured, rusty, minor pyrite, manganese stain.
BL, 22+75S -	Float, white quartz, near 3 small pits? minor fracturing, vugs, manganese stain.
31S, 6+00E -	Float, white quartz with 5% galena, on road.
19+50S, 3+00E -	Float, white quartz, rusty, vugs, 5% galena, on road.
17+50S, 1+50E -	Float, translucent quartz, rusty, fractured, minor vugs, on road.
16+70S, 1+50E -	Grab, white-translucent quartz, minor pyrite, chalcopyrite observed at location previously.
22S, 7+20W -	Float, quartz, grey-green, minor rustiness, and vugs, near where high grade float located.
16S, 1+00E -	Grab, on road, white quartz, some vugs and rustiness, possible small vein in place.
19S, 7+60W -	Float, white quartz, rusty, vuggy, minor pyrite.
15S, 2+50E -	Old pit, large white quartz boulders, rusty, some vugs.
15S, 3+50E -	Grab, granite, rusty with pyrite.
15S, 4+00E - "A"	Grab, quartz vein, vugs, rusty.
15S, 4+00E - "B"	Grab, quartz vein, no vugs, barren?
	New Discovery - old pit Vein 1 to 2 feet wide? strikes approx. 337 - several sections vuggy, others barren.

15S, 7+20E - Float, white quartz, rusty, manganese stain, several tiny vugs.

17S, 1+80E - "A" Float, 3" quartz vein in diorite, pyrite, chalcopyrite, chalcacite, malachite - 20-40% sulphides.

17S, 1+80E - "B" As above, mainly quartz, minor pyrite, chalcopyrite, on road.

3S, 1+00W - Float, vuggy, rusty white quartz, 2 flecks galena on road.

3+28S, 1+00W - Float, white quartz, 50% vugs, 50% barren, on road.  
 - two samples are below geochem anomaly on line 3S + 0 + 80W, 1 +20W.  
 - appears to be on strike from vein exposed at 4+50S, 0+60E - vein is 1 to 2 meters wide, appears barren, 339 , dips 18 East.

1N, 2+40W - "A" - 60cm chip, white quartz, minor pyrite in rugs, wall rock with pyrite.

1N, 2+40W - "B" Grab, wall rock with pyrite - old trench, vein and shear up to 60cm wide, 023 , dips 45 E, minor pyrite in vein, pyrite in wall rock, - possibly on line with geochem anomaly? on L2N, 2+00W, 2+20W.

L-0, 3+60E - "A" 75cm chip, 1/2 shear, 1/2 quartz, minor calcite, pyrite in shear.

L-0, 3+60E - "B" - 1.2m chip, vein and shear, pyrite in shear, minor vugs and pyrite in quartz, A & B are 4m apart  
 - trench 20m long  
 - shear 212 , dip 75 E  
 - 1 to 1.5m wide, vein pinches and swells within shear, quartz mainly barren, although some vugs, pyrite, chalcopyrite were found, shear, rusty, pyrite.

2N, 4+40E - New trench  
 - grab rusty, minor pyrite (1/2%) in quartzite?

Mill Adit A - 20cm chip, white quartz, minor pyrite (Plate #3)  
 Mill Adit B - 70cm chip, mainly shear, minor quartz (Plate #3)  
 Mill Adit C - 60cm chip - shear, minor quartz, rusty (Plate #3)

Upper King Vein

Upper King Adit  
(Plate #2)

Portal

20cmI	20 - 30cm	305 , 85 S
	1.5m, wall rock	
35cmI	20 - 30cm	298 , vertical

- 2 cross cutting shears, minor quartz veining, pyrite, minor chalcopyrite, more pyrite in shears than vein.
- Upper King A - picked grab, quartz and wall rock with pyrite, chalcopyrite.
- Upper King B - 35cm chip - rusty quartz, shear, wall rock with pyrite.
- Upper King C - rusty shear.

Trench East of Upper King Adit - (Plate #2)

- Shear with white quartz, mainly barren, shear is rusty, pyrite in wall rock

- Upper King D - 1m chip - barren? quartz, wall rock with pyrite.
- Upper King E - 1m chip, rusty quartz, minor pyrite, wall rock pyrite, quartzite.
- Upper King F - 1.3m chip - white quartz, wall rock with pyrite
- Upper King G - 2.7m chip - mainly rusty shear, minor white quartz, barren quartz.



APPENDIX C

<u>LINE</u>	<u>FROM</u>	<u>TO</u>
5N	9+00E	22+00E
6N	9+00E	22+00E
7N	9+00E	22+00E
8N	9+00E	22+00E
14S	0+00	12+00E
15S	0+00	12+00E
16S	0+00	12+00E
17S	0+00	12+00E
18S	12+00W	12+00E
19S	12+00W	12+00E
20S	12+00W	10+00
21S	12+00W	0+00
22S	12+00W	0+00
23S	12+00W	0+00

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370 DATA 33,-6  
380 DATA 22,-9  
390 DATA 21,-10  
400 DATA 23,-9  
410 DATA 14,-10  
420 DATA 10,-8  
430 DATA 16,-4  
440 DATA 14,-3  
450 DATA 14,-2  
460 DATA 14,0  
470 DATA 14,-1  
480 DATA 10,-2  
490 DATA 15,0  
500 DATA 12,2  
510 DATA 2,-2  
520 DATA 4,-2  
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540 DATA 3,1  
550 DATA 9,1  
560 DATA 8,4  
570 DATA 2,-1  
580 DATA 10,1  
590 DATA 5,4  
600 DATA -1,6  
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620 DATA -15,4  
630 DATA -9,5  
640 DATA -9,3  
650 DATA -5,1  
660 DATA -9,-2  
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680 DATA -9,-7  
690 DATA -15,-10  
700 DATA -9,-12  
710 DATA -10,-14  
720 DATA -4,-12  
730 DATA -1,-14  
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760 DATA 7,-13  
770 DATA 11,-11  
780 DATA 3,-9  
790 DATA -4,-13  
800 DATA -4,-12  
810 DATA -3,-12  
820 DATA 8,-15  
830 DATA 3,-8  
840 DATA 11,-5  
850 DATA 9,-2  
860 DATA 6,-5  
870 DATA -2,-7  
880 DATA -6,-4

890 DATA -11,-6  
 900 DATA -13,-6  
 910 DATA -12,-4  
 920 DATA -15,-3  
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PROPERTY NAME :OROFINO MTN PROP  
 FOR CLIENT:GRANDEX RES LTD

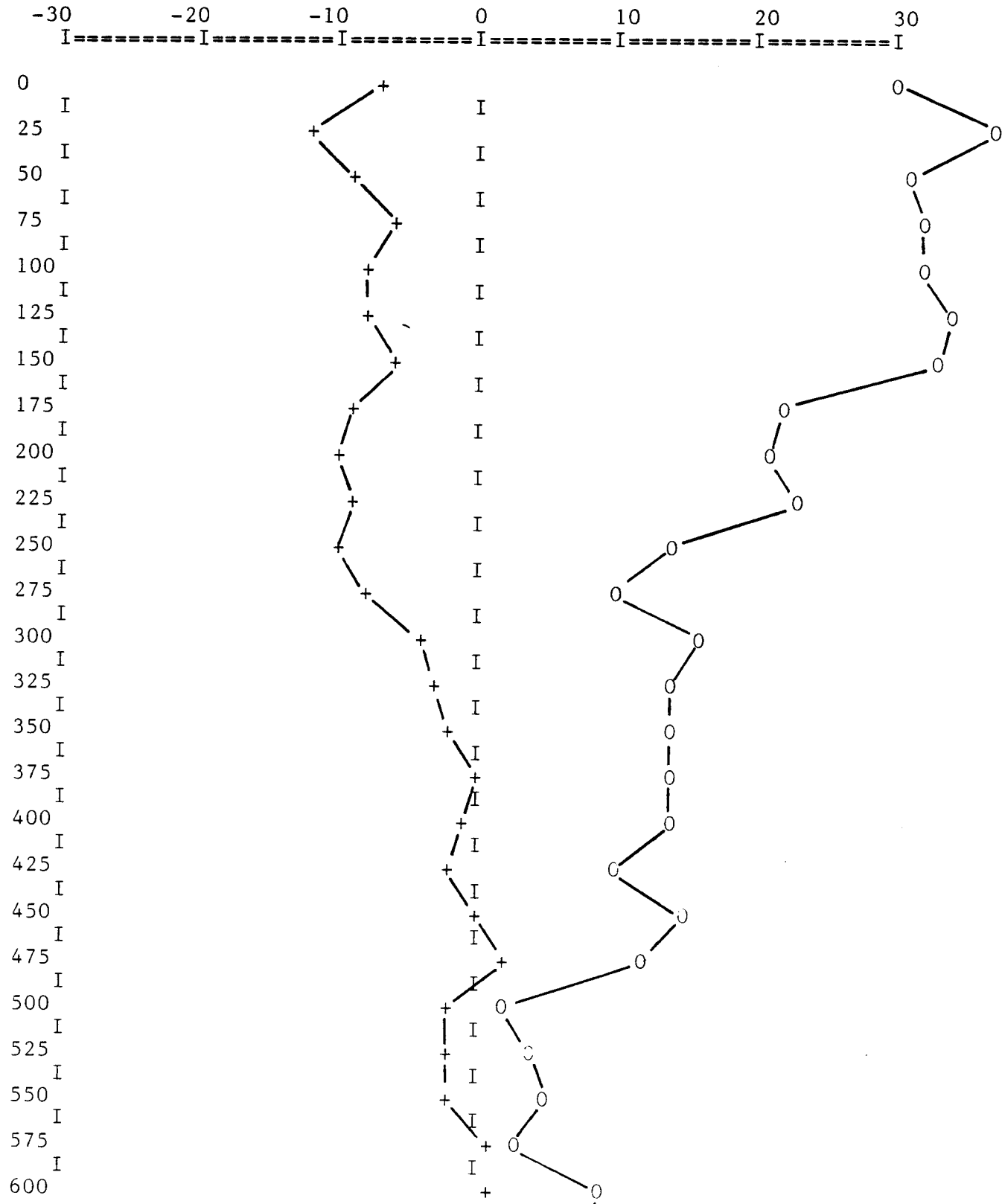
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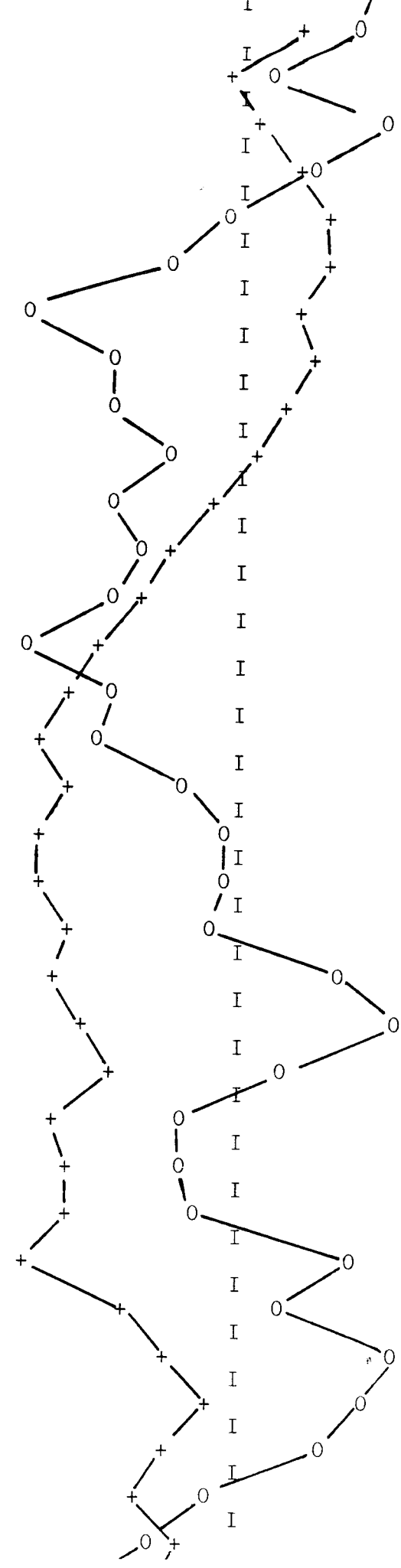
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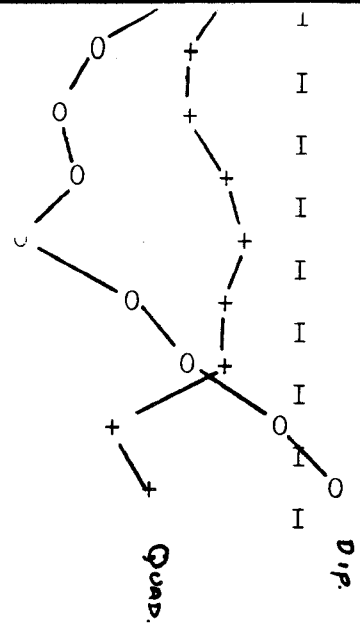
RAPITAN VLF - EM PROFILE: DIP ANGLES IN DEGREES



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410 DATA 22,-8  
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450 DATA 20,-1  
460 DATA 14,-5  
470 DATA 13,-2  
480 DATA 12,-1  
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500 DATA 13,-1  
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530 DATA 13,2  
540 DATA 5,2  
550 DATA 7,1  
560 DATA 13,4  
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760 DATA 2,-4  
770 DATA 2,-8  
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790 DATA -1,-10  
800 DATA -2,-9  
810 DATA 5,-13  
820 DATA 3,-12  
830 DATA 7,-9  
840 DATA 13,-5  
850 DATA 14,-1  
860 DATA 2,-4  
870 DATA -11,-5  
880 DATA -6,-8  
890 DATA 0,0

890 DATA 0,-9  
 900 DATA 6,-2  
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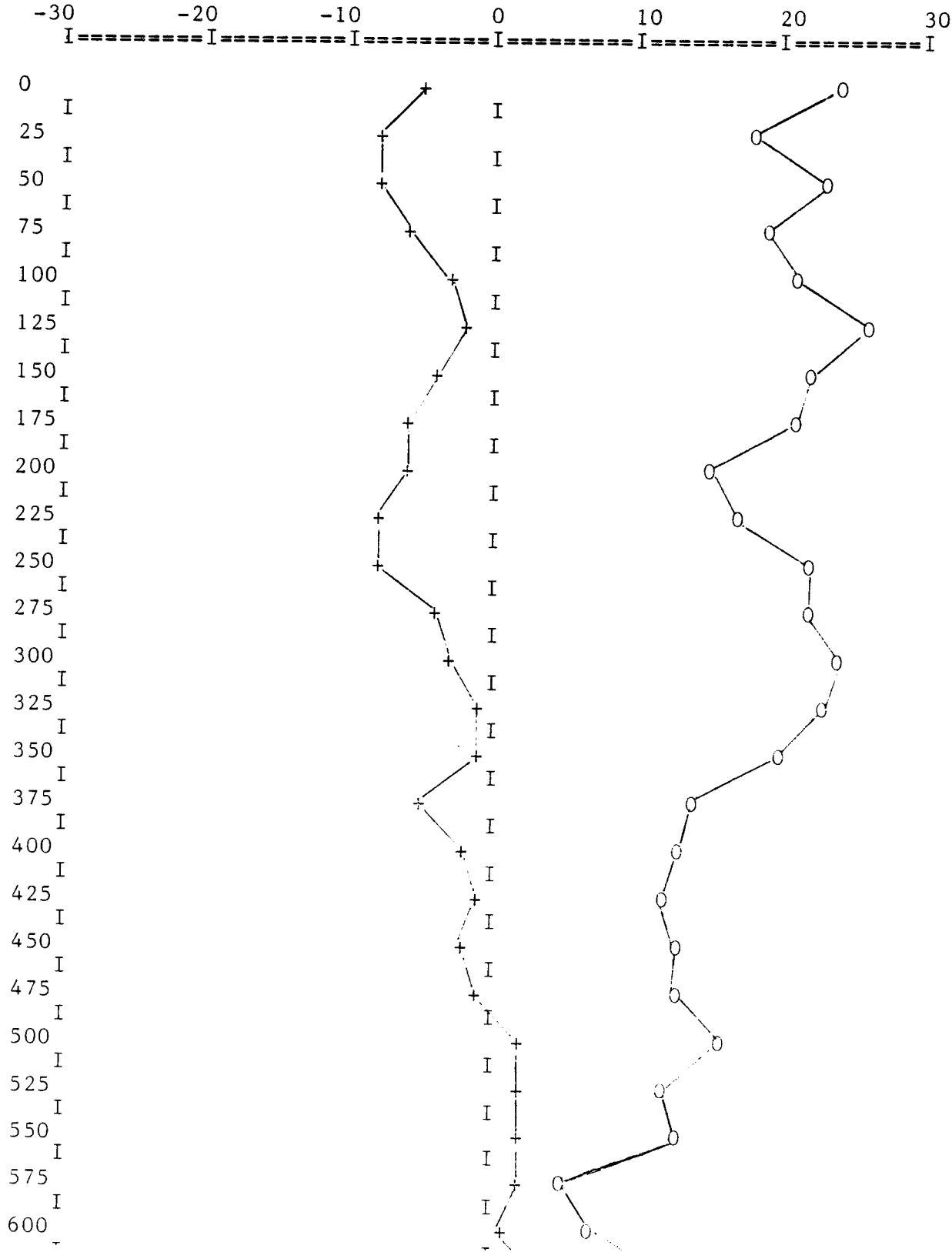
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DATE : MAY 22/86

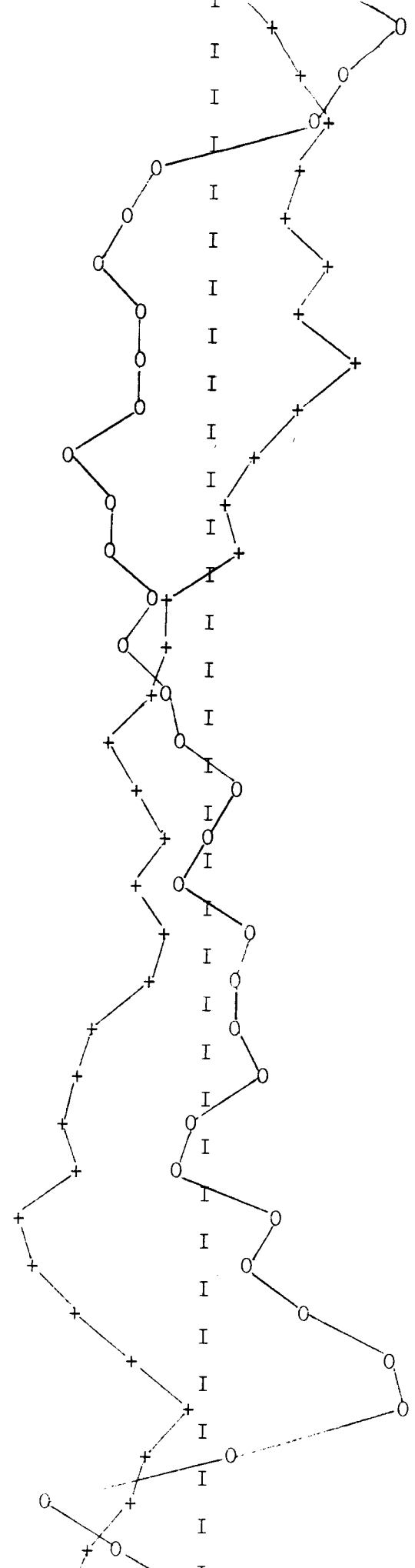
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RAPITAN VLF - EM PROFILE: DIP ANGLES IN DEGREES

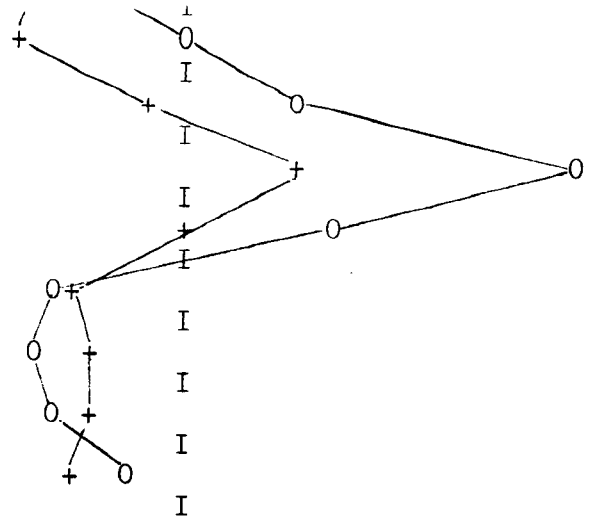


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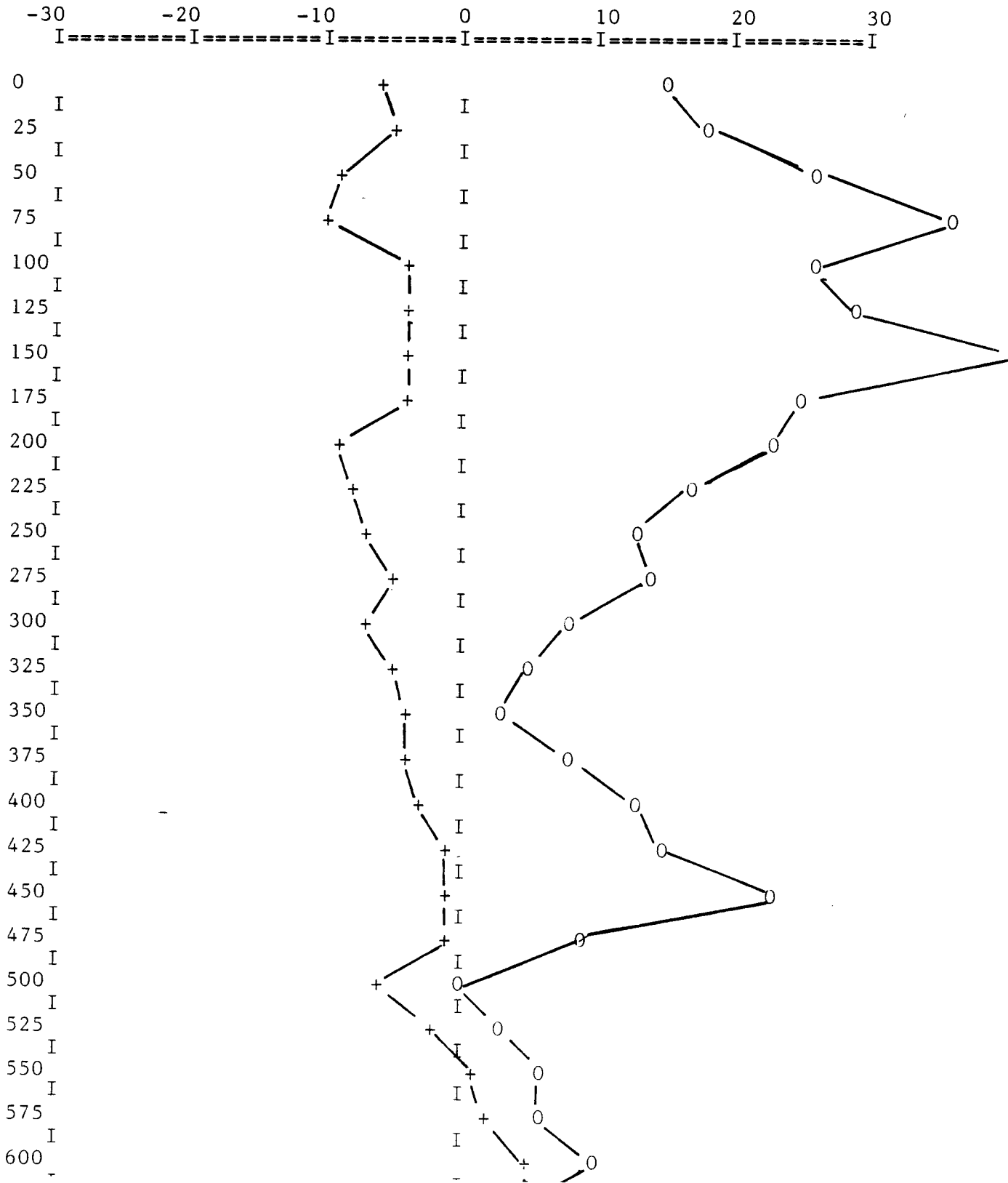
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400 DATA 17,-8  
410 DATA 13,-7  
420 DATA 14,-5  
430 DATA 8,-7  
440 DATA 5,-5  
450 DATA 3,-4  
460 DATA 8,-4  
470 DATA 13,-3  
480 DATA 15,-1  
490 DATA 23,-1  
500 DATA 9,-1  
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660 DATA 2,1  
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710 DATA 1,-6  
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800 DATA -1,-6  
810 DATA 8,-4  
820 DATA 15,-4  
830 DATA 13,0  
840 DATA 13,1  
850 DATA 1,-4  
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880 DATA -4,-4  
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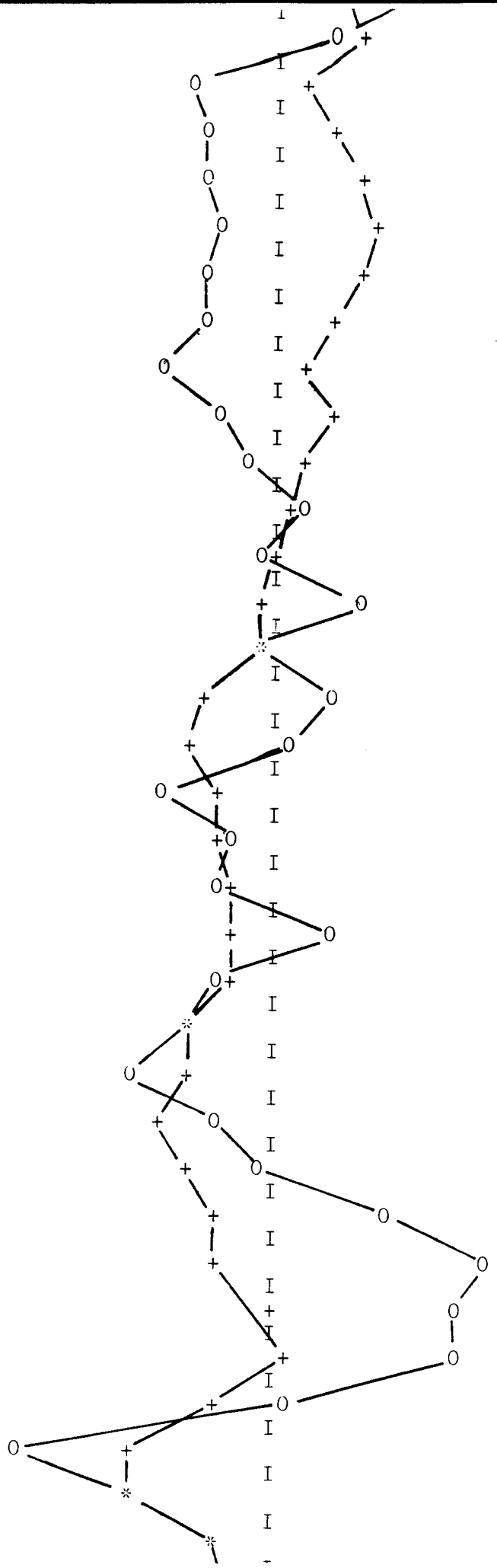
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 DATE :MAY 21/86

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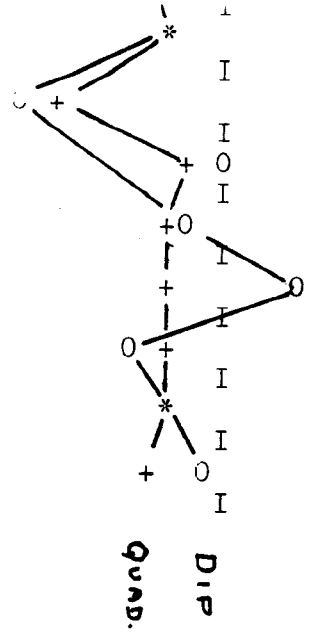
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330 DATA 20, -10  
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350 DATA 24, -4  
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380 DATA 24, 2  
390 DATA 18, 1  
400 DATA 17, 0  
410 DATA 13, 1  
420 DATA 5, 0  
430 DATA 3, 1  
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470 DATA -21, -6  
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530 DATA -17, 11  
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550 DATA -8, 12  
560 DATA -12, 4  
570 DATA -8, 5  
580 DATA -3, 6  
590 DATA -5, 4  
600 DATA -2, 1  
610 DATA -9, 2  
620 DATA -8, 3  
630 DATA -3, 2  
640 DATA 0, 3  
650 DATA -3, 2  
660 DATA -10, 2  
670 DATA -14, 0  
680 DATA -14, 0  
690 DATA -11, -2  
700 DATA -4, 0  
710 DATA -6, 1  
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730 DATA -1, 0  
740 DATA -1, -2  
750 DATA -2, -2  
760 DATA -3, -5  
770 DATA -4, -4  
780 DATA 0, -3  
790 DATA -6, -2  
800 DATA -7, 0  
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820 DATA -3, 0  
830 DATA -3, -9  
840 DATA 2, -4  
850 DATA -7, -4  
860 DATA -16, -4  
870 DATA 3, -7  
880 DATA -2, -6  
890 DATA -6, -3  
900 DATA -3, -2

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 960 DATA -9,-2

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 FOR CLIENT:GRANDEX RES. LTD.

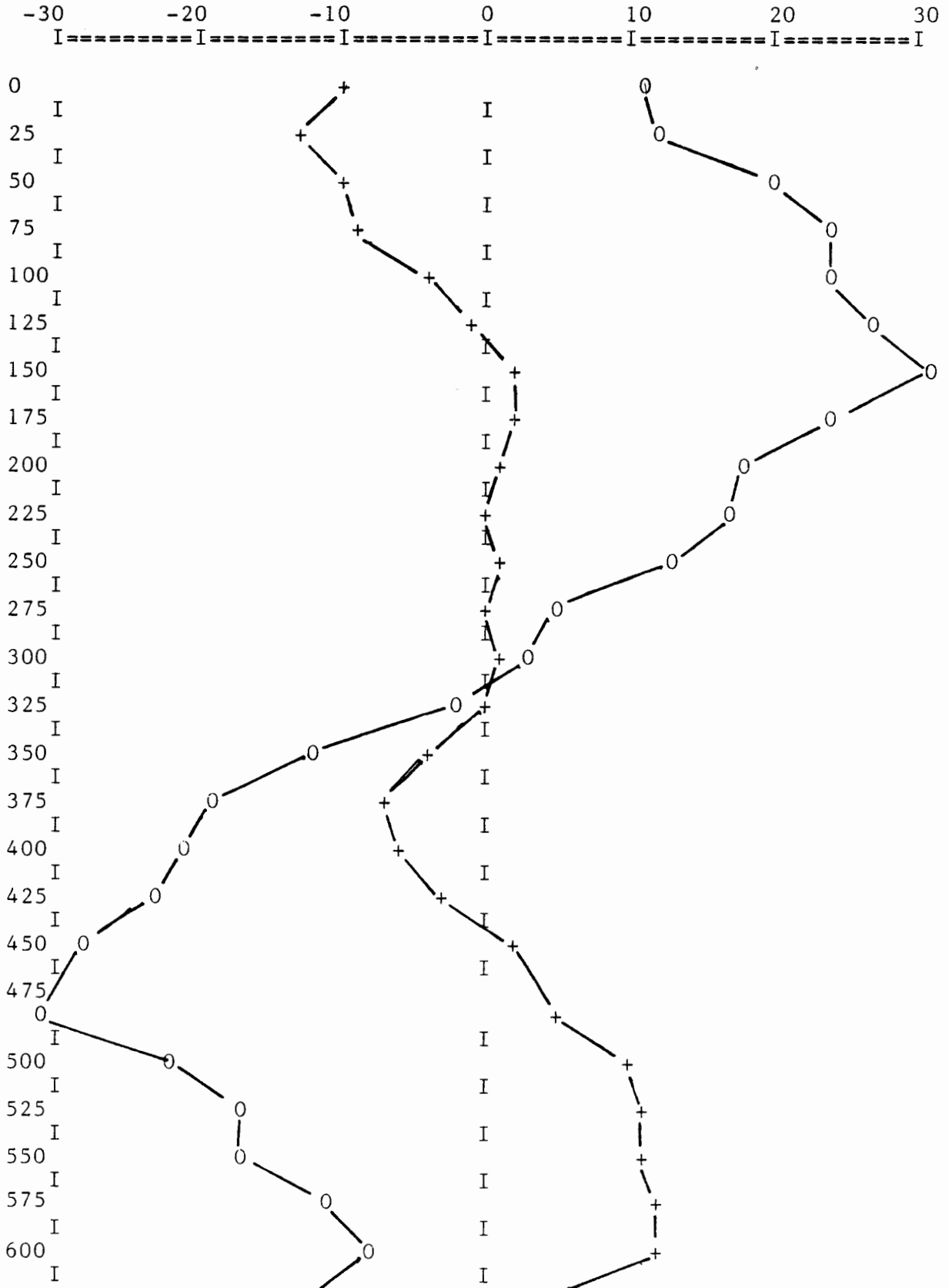
DATE :MAY 21/86

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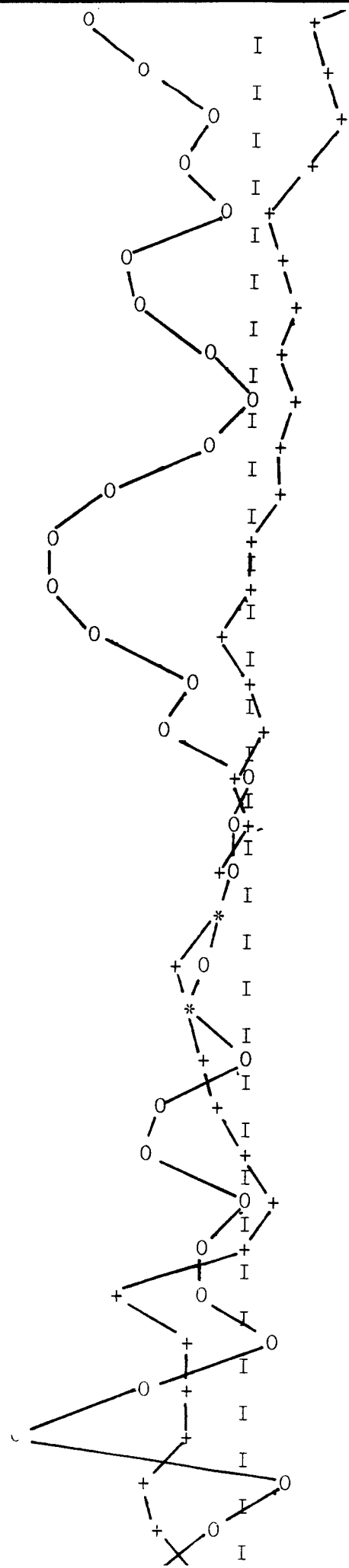
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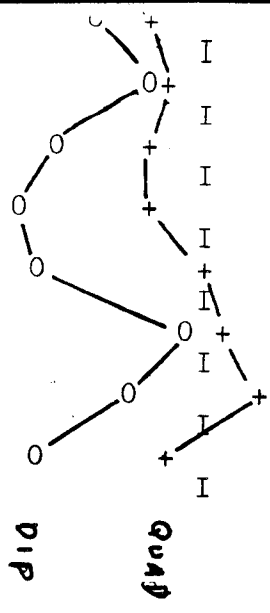


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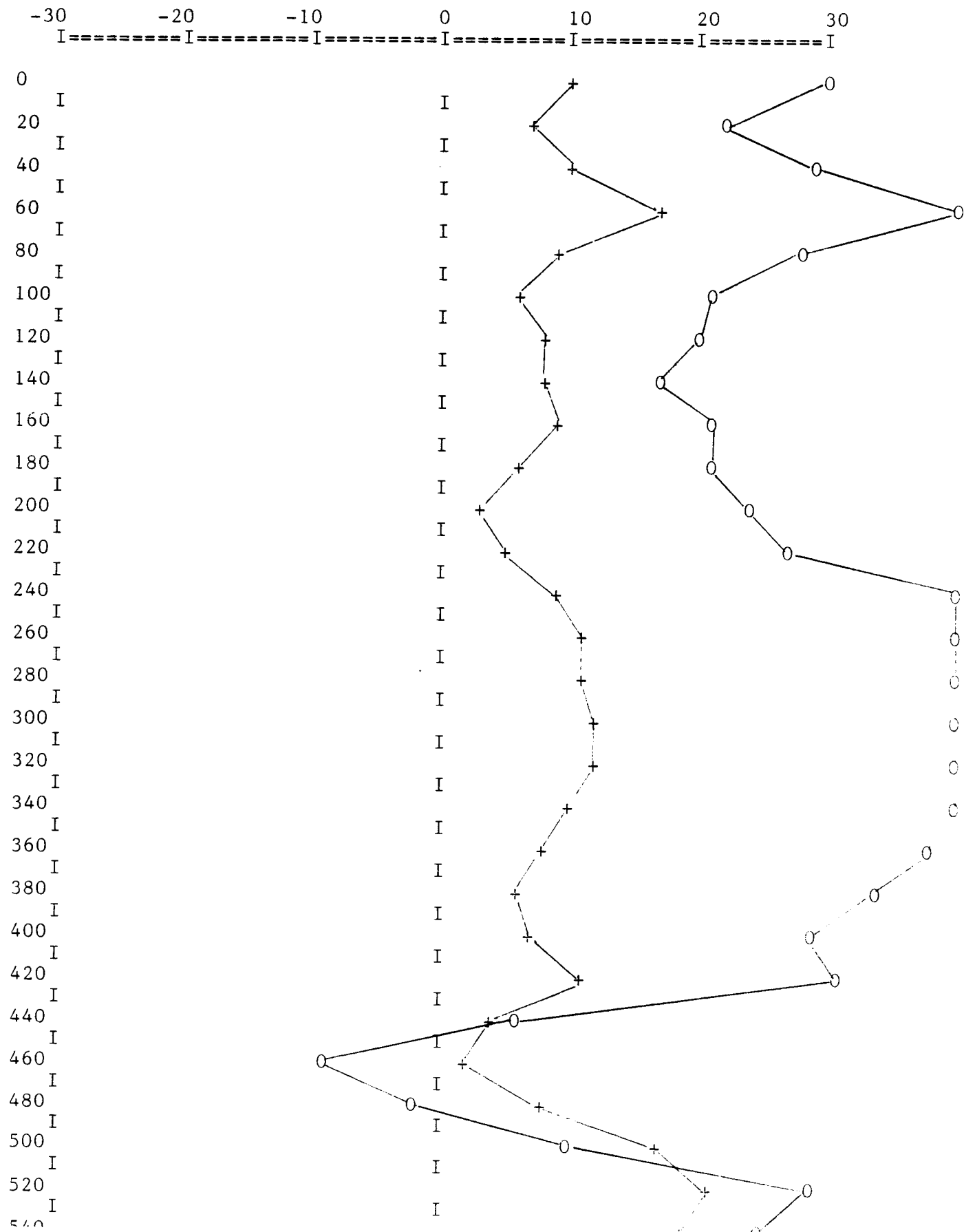
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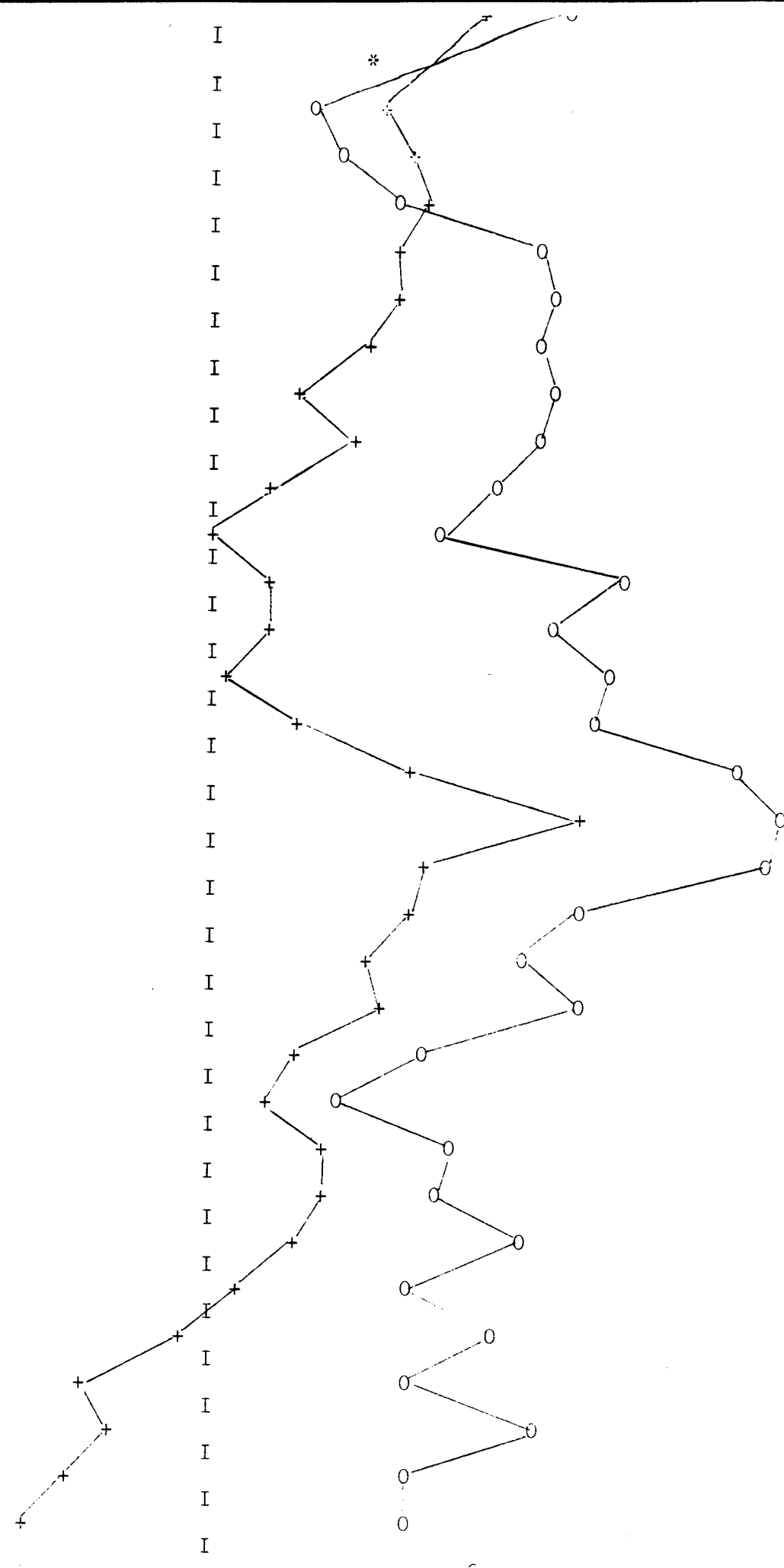
300 REM ENTER DATA: DATA Y1,Y2  
301 REM OROFINO MTN PROP GRANDEX RES. LTD. JUNE 24/86  
302 REM L14S 0+00 TO 12+00E STATION SEATTLE DIP (0), QUAD +  
310 DATA 30,10  
320 DATA 22,7  
330 DATA 29,10  
340 DATA 40,17  
350 DATA 28,9  
360 DATA 21,6  
370 DATA 20,8  
380 DATA 17,8  
390 DATA 21,9  
400 DATA 21,6  
410 DATA 24,3  
420 DATA 27,5  
430 DATA 40,9  
440 DATA 40,11  
450 DATA 40,11  
460 DATA 40,12  
470 DATA 40,12  
480 DATA 40,10  
490 DATA 38,8  
500 DATA 34,6  
510 DATA 29,7  
520 DATA 31,11  
530 DATA 6,4  
540 DATA -9,2  
550 DATA -2,8  
560 DATA 10,17  
570 DATA 29,21  
580 DATA 25,19  
590 DATA 11,11  
600 DATA 7,12  
610 DATA 9,14  
620 DATA 13,15  
630 DATA 23,13  
640 DATA 24,13  
650 DATA 23,11  
660 DATA 24,6  
670 DATA 23,10  
680 DATA 20,4  
690 DATA 16,0  
700 DATA 29,4  
710 DATA 24,4  
720 DATA 28,1  
730 DATA 27,6  
740 DATA 37,14  
750 DATA 40,26  
760 DATA 39,15  
770 DATA 26,14  
780 DATA 22,11  
790 DATA 26,12  
800 DATA 15,6  
810 DATA 9,4  
820 DATA 17,8  
830 DATA 16,8  
840 DATA 22,6  
850 DATA 14,2  
860 DATA 20,-2  
870 DATA 14,-9  
880 DATA 23,-7  
890 DATA 14,10

900 DATA 14,-13  
 910 DATA 19,-13  
 PROPERTY NAME :OROFINO MTN PROPERTY  
 FOR CLIENT:GRANDEX RES. LTD.  
 DATE :JUNE 24/86  
 LINE NUMBER :L14S 00+00 TO 12+00E  
 RAPITAN VLF - EM PROFILE: DIP ANGLES IN DEGREES

STN 1 IS SEATTLE 0  
 STN 2 IS QUAD +



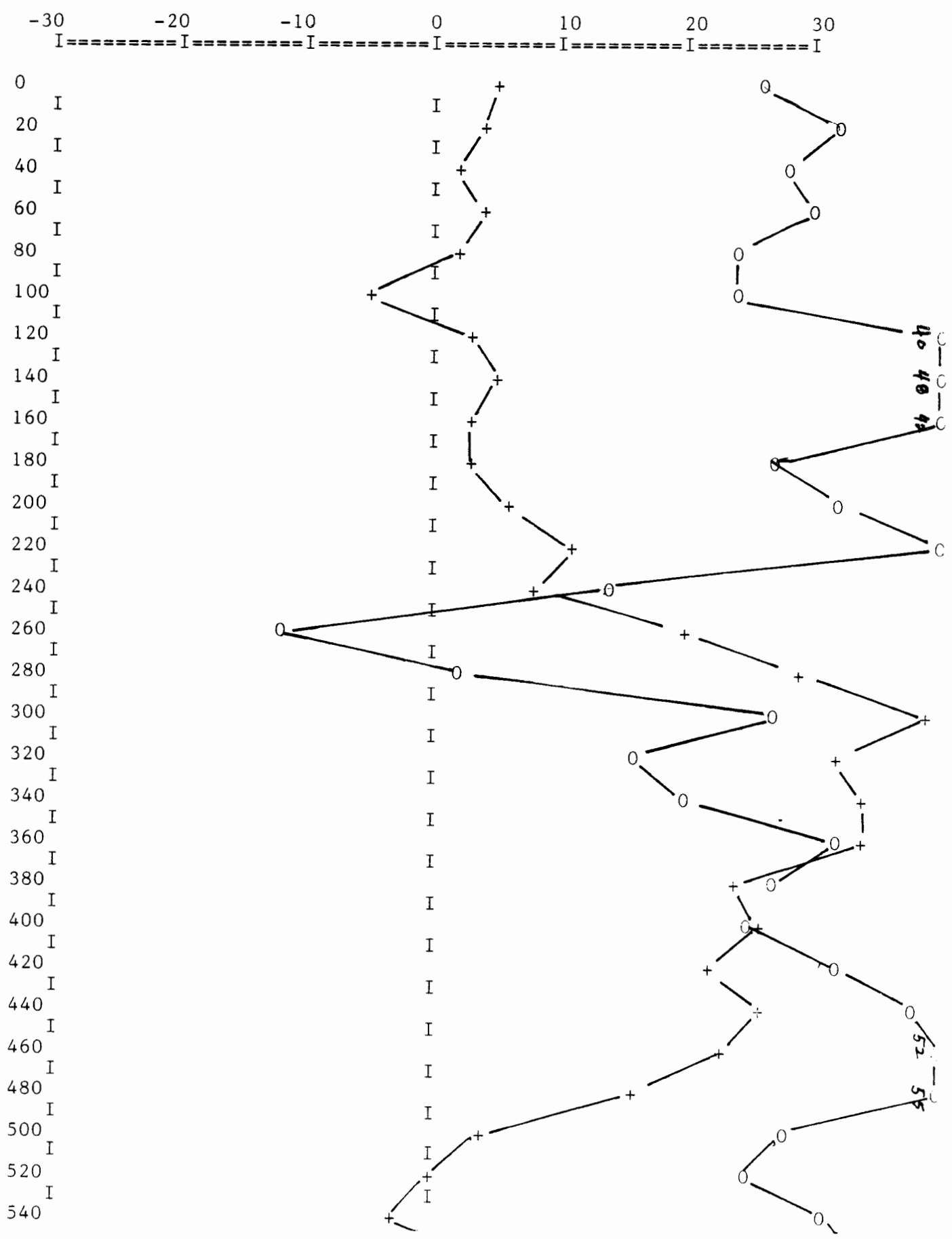
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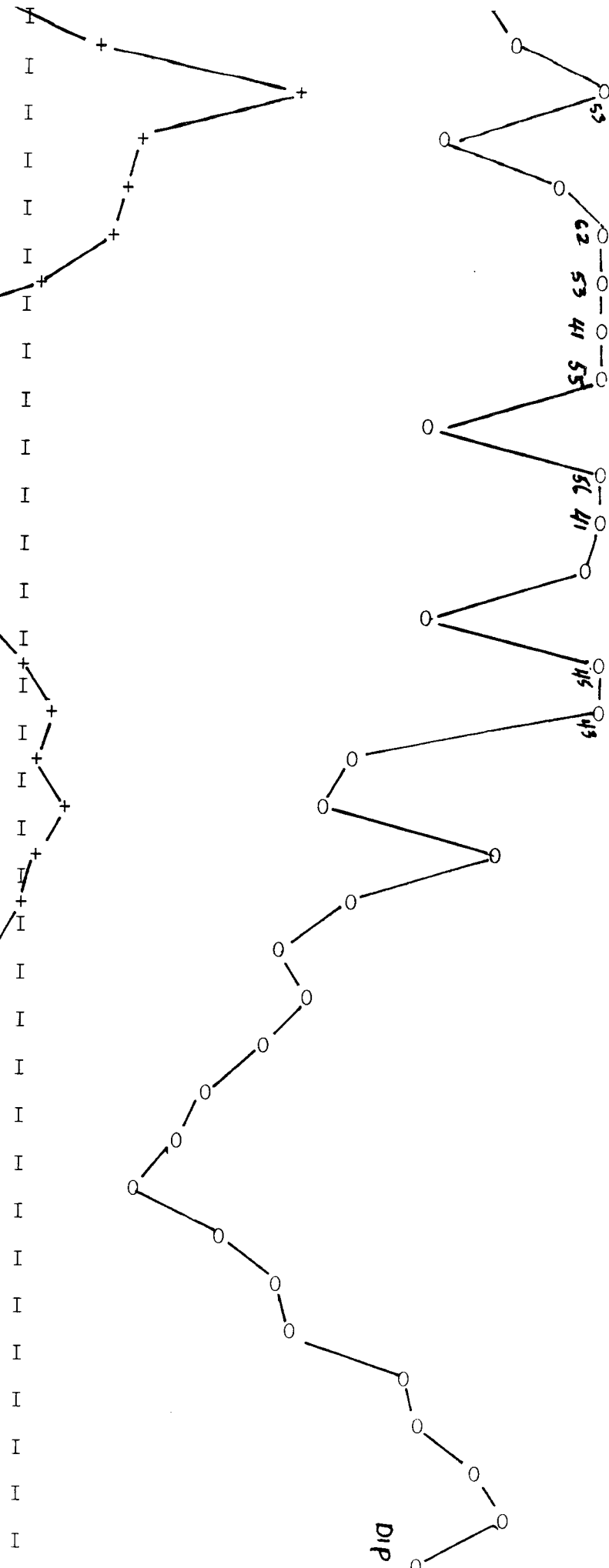
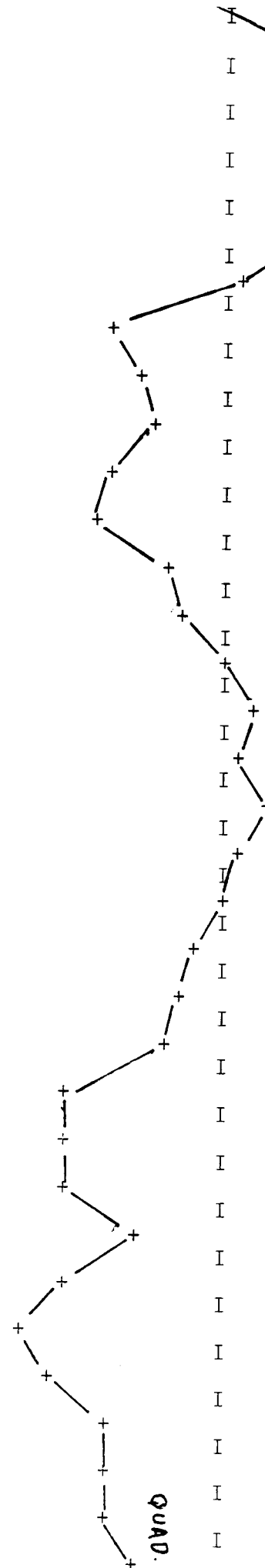
300 REM ENTER DATA: DATA Y1,Y2  
301 REM OROFINO MTN PROP GRANDEX RES. LTD. JUNE 24/86  
302 REM LISS 0+00 TO 12+00E STA SEATTLE DIP 0, QUAD +  
310 DATA 26,5  
320 DATA 32,4  
330 DATA 28,2  
340 DATA 30,4  
350 DATA 24,2  
360 DATA 24,-5  
370 DATA 40,3  
380 DATA 40,5  
390 DATA 40,3  
400 DATA 27,3  
410 DATA 32,6  
420 DATA 40,11  
430 DATA 14,8  
440 DATA -12,20  
450 DATA 2,29  
460 DATA 27,39  
470 DATA 16,32  
480 DATA 20,34  
490 DATA 32,34  
500 DATA 27,24  
510 DATA 25,26  
520 DATA 32,22  
530 DATA 38,26  
540 DATA 40,23  
550 DATA 40,16  
560 DATA 28,4  
570 DATA 25,0  
580 DATA 31,-3  
590 DATA 34,5  
600 DATA 40,19  
610 DATA 29,8  
620 DATA 37,7  
630 DATA 40,6  
640 DATA 40,1  
650 DATA 40,-8  
660 DATA 40,-6  
670 DATA 28,-5  
680 DATA 40,-8  
690 DATA 40,-9  
700 DATA 39,-4  
710 DATA 28,-3  
720 DATA 40,0  
730 DATA 40,2  
740 DATA 23,1  
750 DATA 21,3  
760 DATA 33,1  
770 DATA 23,0  
780 DATA 18,-2  
790 DATA 20,-3  
800 DATA 17,-4  
810 DATA 13,-11  
820 DATA 11,-11  
830 DATA 8,-11  
840 DATA 14,-6  
850 DATA 18,-11  
860 DATA 19,-14  
870 DATA 27,-12  
880 DATA 28,-8  
890 DATA 32,-8  
900 DATA 32,-8

910 DATA 28,-6  
 PROPERTY NAME :OROFINO MTN PROP  
 FOR CLIENT:GRANDEX RES LTD.  
 DATE :JUNE 24/86  
 LINE NUMBER :L15S 0+00 TO 12+00E  
 RAPITAN VLF - EM PROFILE: DIP ANGLES IN DEGREES

STN 1 IS SEATTLE DIP 0  
 STN 2 IS QUAD +



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300 REM ENTER DATA: DATA Y1,Y2  
301 REM OROFINO MTN PROP GRANDEX RES LTD JUNE 25/86  
302 REM L16S 0+00 TO 12+00E STA SEATTLE DIP 0, QUAD +  
310 DATA 3,6  
320 DATA 8,10  
330 DATA -14,4  
340 DATA -22,3  
350 DATA -6,10  
360 DATA 8,16  
370 DATA 16,16  
380 DATA 8,13  
390 DATA 18,17  
400 DATA 8,12  
410 DATA 10,8  
420 DATA 7,6  
430 DATA 8,6  
440 DATA 11,5  
450 DATA 12,0  
460 DATA 17,2  
470 DATA 22,0  
480 DATA 37,1  
490 DATA 25,0  
500 DATA 36,-2  
510 DATA 40,-2  
520 DATA 26,-5  
530 DATA 31,-9  
540 DATA 22,-14  
550 DATA 23,-18  
560 DATA 28,-20  
570 DATA 23,-16  
580 DATA 29,-16  
590 DATA 32,-6  
600 DATA 27,-9  
610 DATA 22,-8  
620 DATA 4,-10  
630 DATA 7,-10  
640 DATA 3,-14  
650 DATA 8,-9  
660 DATA 8,-4  
670 DATA 4,-3  
680 DATA -12,-10  
690 DATA -7,-5  
700 DATA 4,2  
710 DATA 2,3  
720 DATA 3,3  
730 DATA 9,4  
740 DATA 10,1  
750 DATA 4,2  
760 DATA 0,-2  
770 DATA -1,0  
780 DATA 8,1  
790 DATA 13,3  
800 DATA 14,4  
810 DATA 18,1  
820 DATA 15,1  
830 DATA 19,0  
840 DATA 14,1  
850 DATA 8,3  
860 DATA 7,0  
870 DATA 4,-1  
880 DATA -5,1  
890 DATA -2,0  
900 DATA 1,-1  
910 DATA -10.-1



PROPERTY NAME :OROFINO MTN PROP

FOR CLIENT:GRANDEX RES LTD

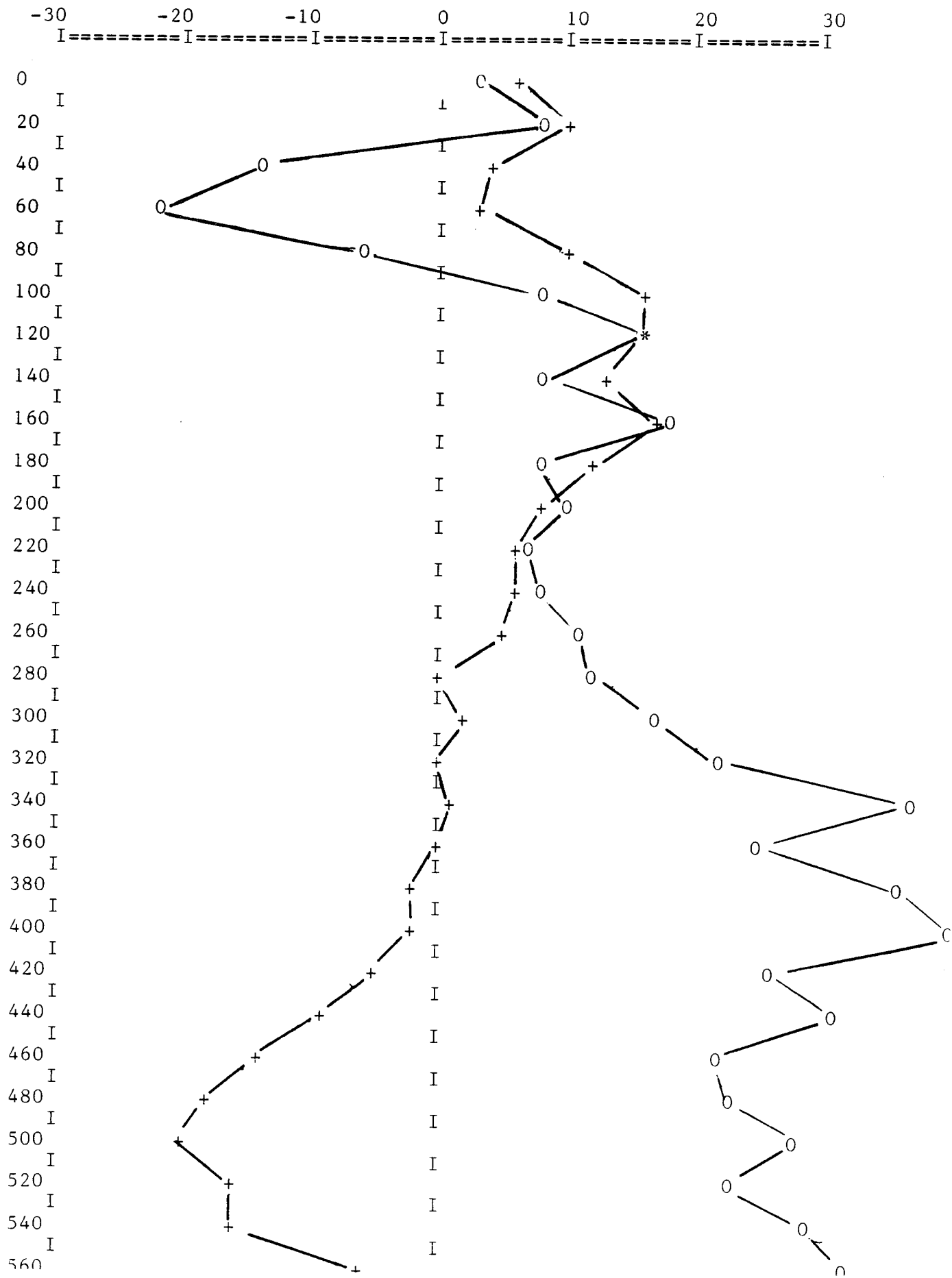
DATE :JUNE 25/86

LINE NUMBER :L16S 0+00 TO 12+00E

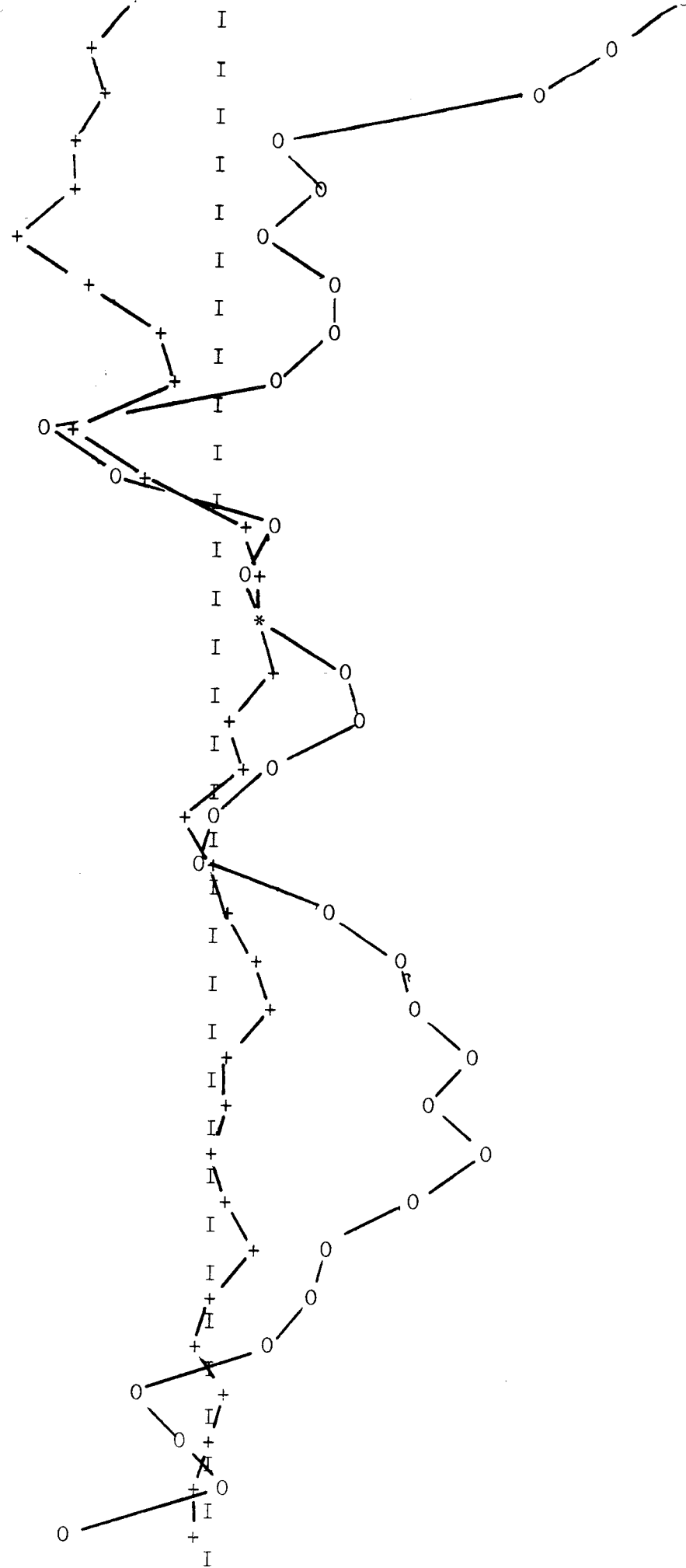
RAPITAN VLF - EM PROFILE: DIP ANGLES IN DEGREES

STN 1 IS SEATTLE DIP 0

STN 2 IS QUAD +



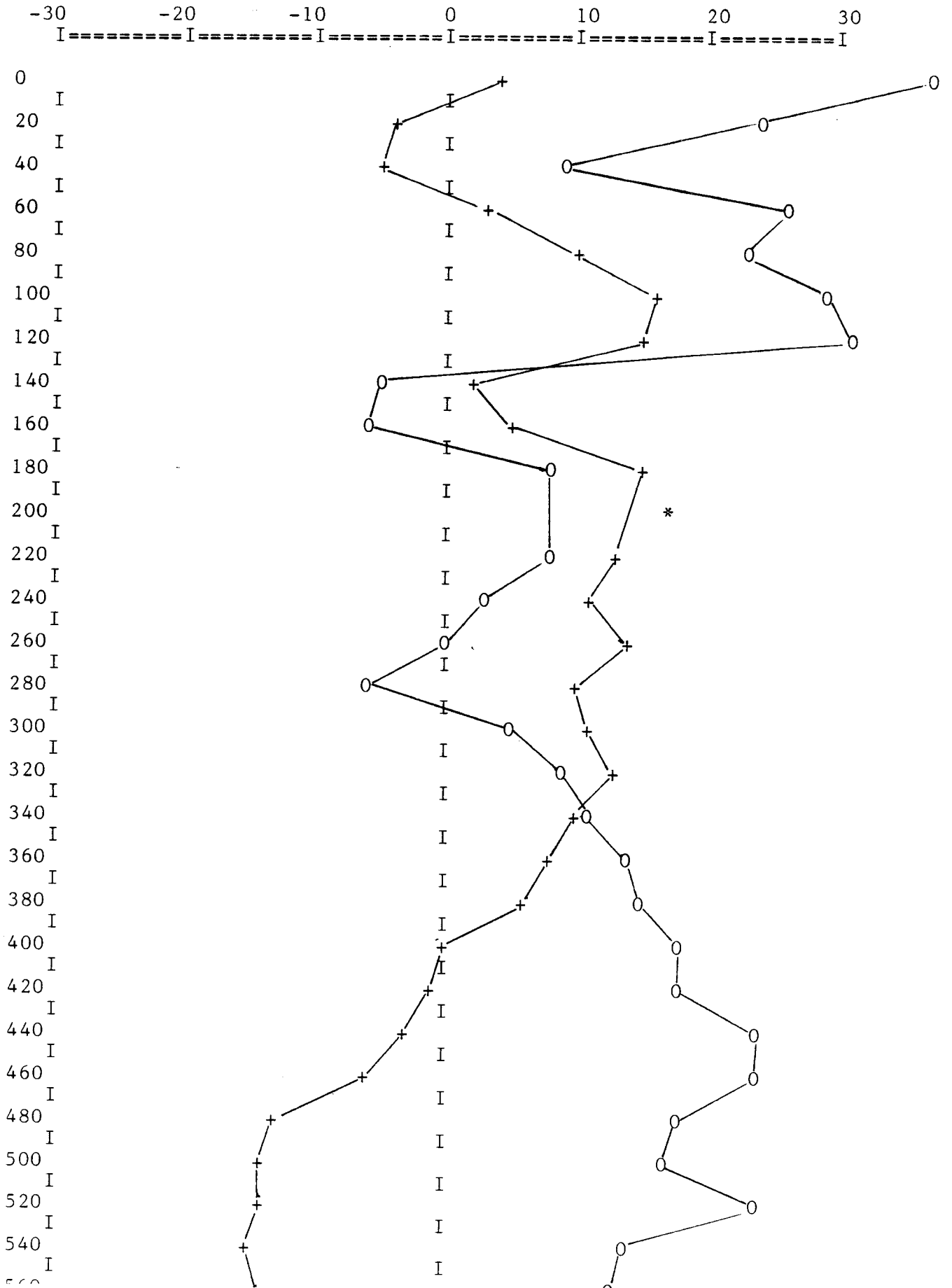
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300 REM ENTER DATA: DATA Y1,Y2  
301 REM OROFINO MTN PROP GRANDEX RES LTD JUNE 25/86  
302 REM L17S 0+00 TO 12+00E STA SEATTLE DIP 0, QUAD +  
310 DATA 37,4  
320 DATA 24,-4  
330 DATA 9,-5  
340 DATA 26,3  
350 DATA 23,10  
360 DATA 29,16  
370 DATA 31,15  
380 DATA -5,2  
390 DATA -6,5  
400 DATA 8,15  
410 DATA 17,17  
420 DATA 8,13  
430 DATA 3,11  
440 DATA 0,14  
450 DATA -6,10  
460 DATA 5,11  
470 DATA 9,13  
480 DATA 11,10  
490 DATA 14,8  
500 DATA 15,6  
510 DATA 18,0  
520 DATA 18,-1  
530 DATA 24,-3  
540 DATA 24,-6  
550 DATA 18,-13  
560 DATA 17,-14  
570 DATA 24,-14  
580 DATA 14,-15  
590 DATA 13,-14  
600 DATA 15,-11  
610 DATA 29,-7  
620 DATA 20,-12  
630 DATA 18,-15  
640 DATA 17,-14  
650 DATA 5,-18  
660 DATA -2,-19  
670 DATA 7,-12  
680 DATA 4,-11  
690 DATA 4,-8  
700 DATA 6,-5  
710 DATA -2,-8  
720 DATA -5,-4  
730 DATA -6,-2  
740 DATA -1,4  
750 DATA 2,6  
760 DATA 4,4  
770 DATA 2,2  
780 DATA -4,-1  
790 DATA 3,5  
800 DATA 4,5  
810 DATA 8,7  
820 DATA 13,8  
830 DATA 22,10  
840 DATA 8,6  
850 DATA 7,4  
860 DATA 6,5  
870 DATA 1,2  
880 DATA -4,5  
890 DATA -3,5  
900 DATA -7,6  
910 DATA 7,6

910 DATA -1,0  
 PROPERTY NAME :OROFINO MTN PROP  
 FOR CLIENT:GRANDEX RES LTD  
 DATE :JUNE 25/86  
 LINE NUMBER :L17S 0+00 TO 12+00S  
 RAPITAN VLF - EM PROFILE: DIP ANGLES IN DEGREES

STN 1 IS SEATTLE DIP 0  
 STN 2 IS QUAD +





300 REM ENTER DATA: DATA Y1,Y2  
301 REM OROFITN PROP GRANDEX RES LTD JUNE 23/86  
302 REM L18S 12+00W TO 12+00E  
310 DATA 16,2  
320 DATA 12,1  
330 DATA 9,0  
340 DATA 5,-3  
350 DATA -1,-11  
360 DATA -1,-8  
370 DATA 8,-4  
380 DATA 13,-2  
390 DATA 20,-2  
400 DATA 23,-1  
410 DATA 26,3  
420 DATA 22,3  
430 DATA 37,7  
440 DATA 40,21  
450 DATA 40,17  
460 DATA 40,17  
470 DATA 40,18  
480 DATA 40,19  
490 DATA 40,18  
500 DATA 40,17  
510 DATA 40,14  
520 DATA 40,8  
530 DATA 35,5  
540 DATA 28,3  
550 DATA 19,2  
560 DATA 18,1  
570 DATA 21,-2  
580 DATA 27,-4  
590 DATA 29,-9  
600 DATA 35,-7  
610 DATA 40,-4  
620 DATA 40,-2  
630 DATA 40,-4  
640 DATA 38,-1  
650 DATA 36,-2  
660 DATA 33,-2  
670 DATA 32,-2  
680 DATA 40,-2  
690 DATA 36,-2  
700 DATA 18,-9  
710 DATA 14,-12  
720 DATA 34,-6  
730 DATA 29,-7  
740 DATA 30,0  
750 DATA 27,-4  
760 DATA 10,-12  
770 DATA 21,-11  
780 DATA 30,-8  
790 DATA 25,-4  
800 DATA 28,-1  
810 DATA 31,2  
820 DATA 14,-3  
830 DATA 5,-1  
840 DATA 16,6  
850 DATA 18,8  
860 DATA 29,12  
870 DATA 11,6  
880 DATA 5,6

890 DATA 7,5  
900 DATA 4,8  
910 DATA 2,12  
920 DATA -8,6  
930 DATA -5,12  
940 DATA 6,16  
950 DATA 14,16  
960 DATA 21,13  
970 DATA 18,9  
980 DATA 14,2  
990 DATA 15,4  
1000 DATA 25,5  
1010 DATA 21,-2  
1020 DATA 27,6  
1030 DATA 30,2  
1040 DATA 32,5  
1050 DATA 40,4  
1060 DATA 39,-2  
1070 DATA 40,0  
1080 DATA 40,-2  
1090 DATA 27,-5  
1100 DATA 29,-9  
1110 DATA 39,-8  
1120 DATA 40,-4  
1130 DATA 34,-11  
1140 DATA 30,-9  
1150 DATA 29,-12  
1160 DATA 23,-11  
1170 DATA 17,-14  
1180 DATA 20,-13  
1190 DATA 16,-12  
1200 DATA 10,-6  
1210 DATA 1,-10  
1220 DATA 6,-5  
1230 DATA 5,-7  
1240 DATA 6,-4  
1250 DATA 8,-2  
1260 DATA 6,-2  
1270 DATA 16,4  
1280 DATA 23,4  
1290 DATA 19,8  
1300 DATA 18,7  
1310 DATA 21,8  
1320 DATA 15,3  
1330 DATA 10,0  
1340 DATA 17,1  
1350 DATA 32,2  
1360 DATA 40,3  
1370 DATA 39,7  
1380 DATA 32,6  
1390 DATA 28,2  
1400 DATA 23,1  
1410 DATA 22,2  
1420 DATA 26,4  
1430 DATA 21,3  
1440 DATA 10,-3  
1450 DATA 7,-1  
1460 DATA 1,-1  
1470 DATA 2,-1  
1480 DATA 0,1  
1490 DATA -9,-2  
1500 DATA -10,-4

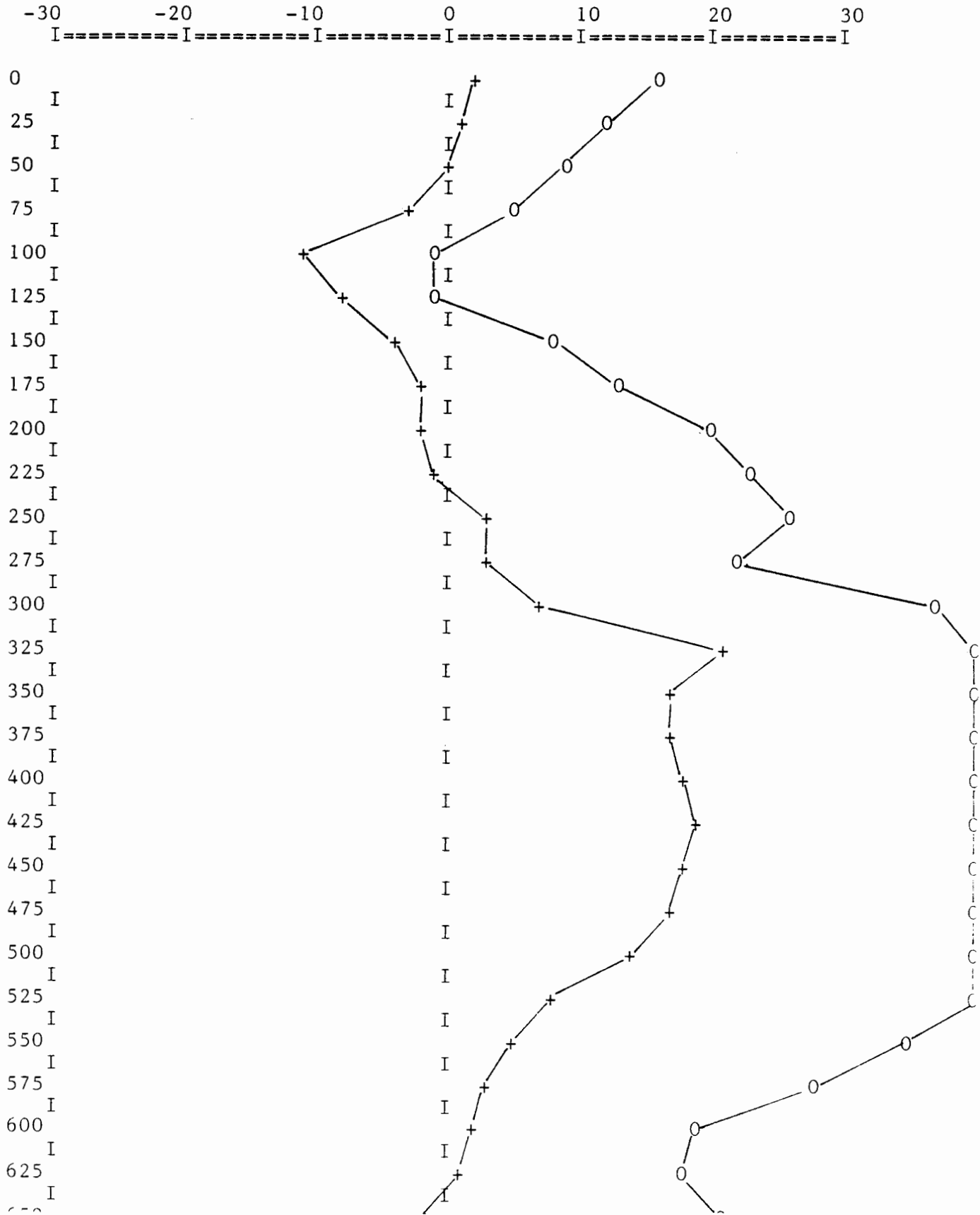
PROPERTY NAME :OROFINO MTN PROP  
 FOR CLIENT:GRANDEX RES LTD  
 DATE :JUNE 23/86

STN 1 IS SEATTLE DIP 0

LINE NUMBER :L18S 12+00W TO 12+00E

STN 2 IS QUAD +

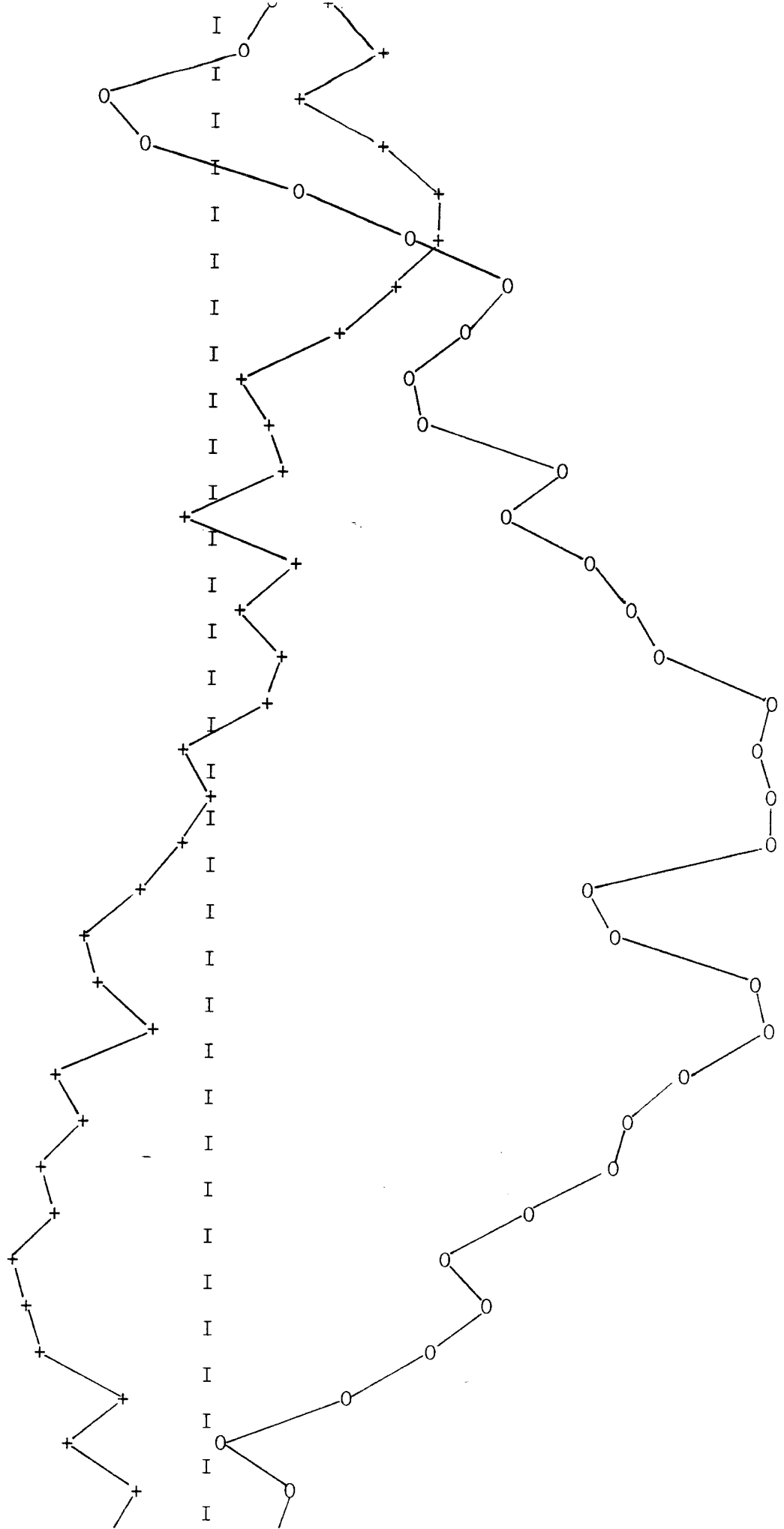
RAPITAN VLF - EM PROFILE: DIP ANGLES IN DEGREES



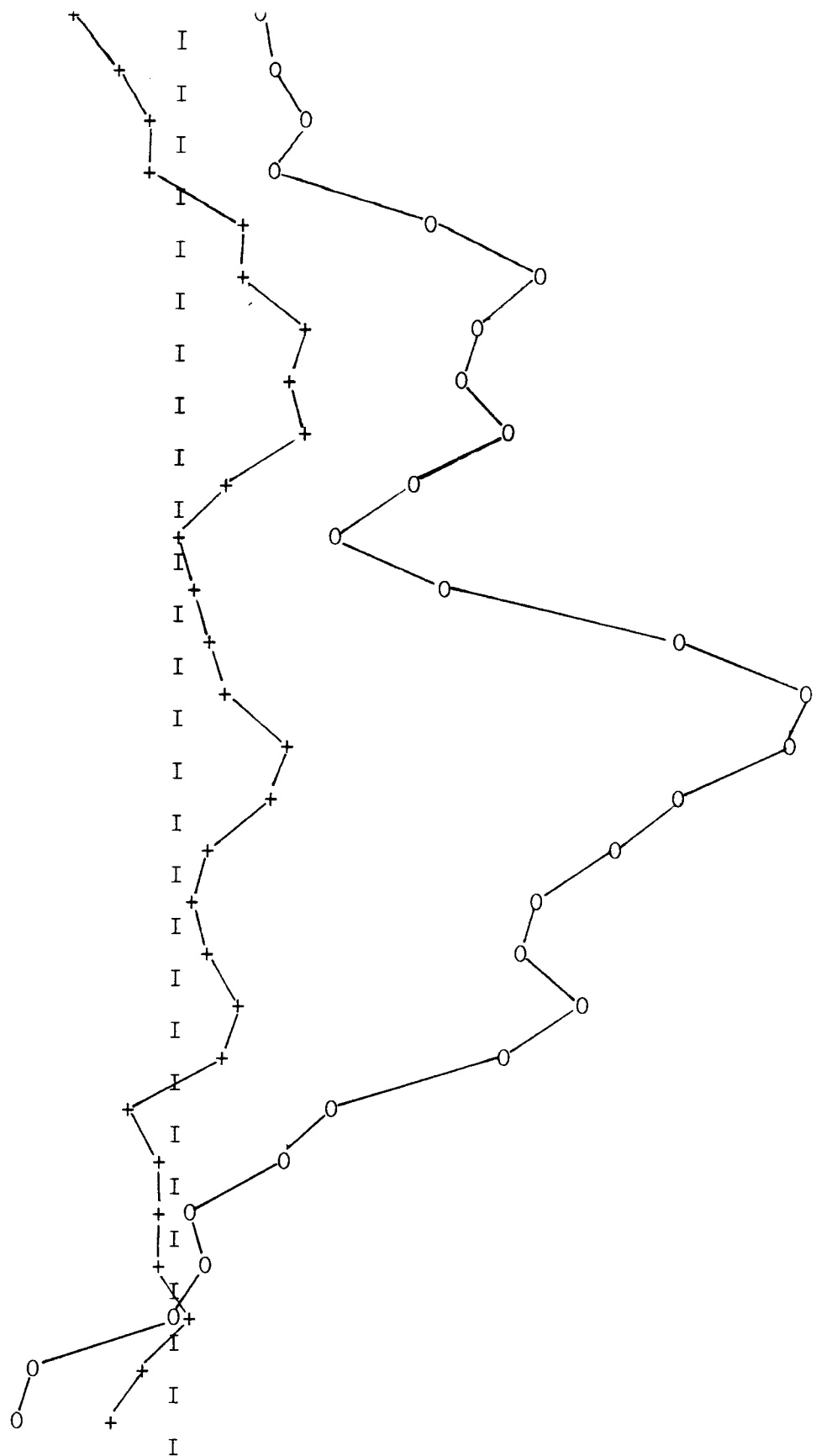




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300 REM ENTER DATA: DATA Y1,Y2  
301 REM OROFINO MTN PROP GRANDEX RES LTD JUNE 24/86  
302 REM L19S 12+00W TO 12+00E @ 20M STA SEATTLE DIP 0, QUAD +  
310 DATA 20,11  
320 DATA 16,-4  
330 DATA 12,0  
340 DATA 10,-8  
350 DATA 14,-8  
360 DATA 9,-12  
370 DATA 20,-12  
380 DATA 17,-8  
390 DATA 29,0  
400 DATA 25,-1  
410 DATA 36,3  
420 DATA 18,0  
430 DATA 23,5  
440 DATA 27,-1  
450 DATA 20,-6  
460 DATA 29,-2  
470 DATA 37,4  
480 DATA 38,1  
490 DATA 34,6  
500 DATA 33,0  
510 DATA 32,0  
520 DATA 25,-1  
530 DATA 32,-3  
540 DATA 24,-3  
550 DATA 34,-5  
560 DATA 26,-6  
570 DATA 31,-8  
580 DATA 31,-12  
590 DATA 27,-6  
600 DATA 39,-3  
610 DATA 23,-4  
620 DATA 25,-3  
630 DATA 24,-4  
640 DATA 22,-3  
650 DATA 29,-1  
660 DATA 40,4  
670 DATA 40,-2  
680 DATA 39,-2  
690 DATA 40,4  
700 DATA -4,-11  
710 DATA 14,6  
720 DATA 21,13  
730 DATA 28,8  
740 DATA 33,9  
750 DATA 24,10  
760 DATA 11,12  
770 DATA 15,12  
780 DATA 29,16  
790 DATA 30,12  
800 DATA 22,10  
810 DATA 23,3  
820 DATA 38,7  
830 DATA 40,13  
840 DATA 39,10  
850 DATA 40,8  
860 DATA 40,8  
870 DATA 40,12  
880 DATA 38,6  
890 DATA 19,9  
900 DATA 0,0

900 DATA -7,4  
910 DATA 3,16  
920 DATA 11,21  
930 DATA 38,21  
940 DATA 27,12  
950 DATA 27,8  
960 DATA 27,8  
970 DATA 18,4  
980 DATA 5,-2  
990 DATA 4,-4  
1000 DATA 5,0  
1010 DATA 14,4  
1020 DATA 12,3  
1030 DATA 15,6  
1040 DATA 26,4  
1050 DATA 24,4  
1060 DATA 23,-2  
1070 DATA 14,-3  
1080 DATA 19,-8  
1090 DATA 17,-5  
1100 DATA 19,-2  
1110 DATA 22,-4  
1120 DATA 37,-1  
1130 DATA 29,-4  
1140 DATA 28,-7  
1150 DATA 15,-9  
1160 DATA 10,-7  
1170 DATA 12,-5  
1180 DATA 9,-4  
1190 DATA 5,-2  
1200 DATA -7,-2  
1210 DATA 0,-2  
1220 DATA -1,2  
1230 DATA 4,5  
1240 DATA 8,10  
1250 DATA 1,3  
1260 DATA 1,2  
1270 DATA 3,4  
1280 DATA 8,7  
1290 DATA 9,8  
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1350 DATA 30,6  
1360 DATA 37,4  
1370 DATA 31,5  
1380 DATA 25,5  
1390 DATA 11,0  
1400 DATA 13,3  
1410 DATA 8,2  
1420 DATA 16,4  
1430 DATA 15,4  
1440 DATA 7,3  
1450 DATA 6,0  
1460 DATA 9,-1  
1470 DATA -4,-5  
1480 DATA -14,-12  
1490 DATA -13,-22  
1500 DATA -2,-7  
1510 DATA -2,-2

PROPERTY NAME :OROFINO MTN PROP

FOR CLIENT:GRANDEX RES LTD.

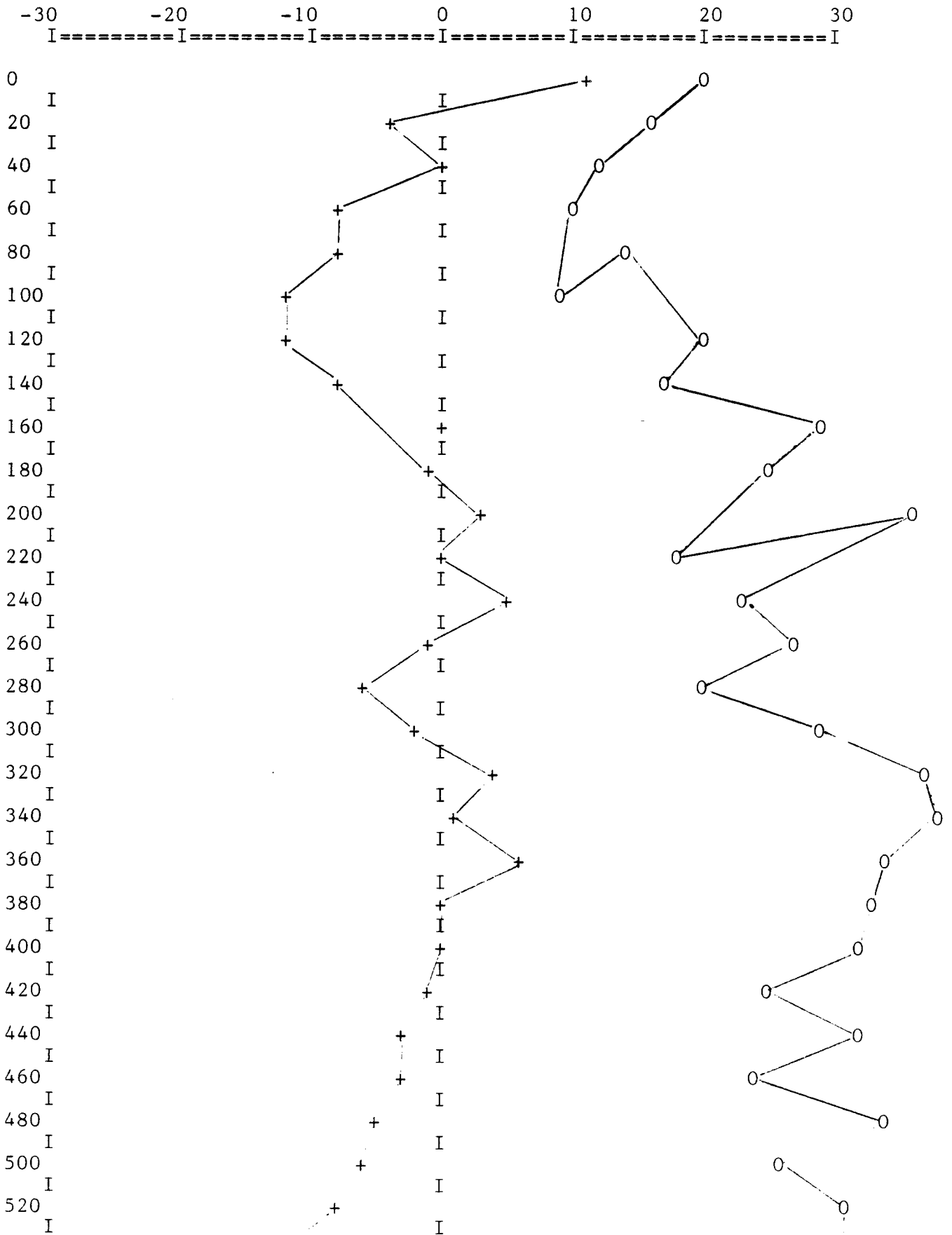
DATE :JUNE 24/86

STN 1 IS SEATTLE DIP 0

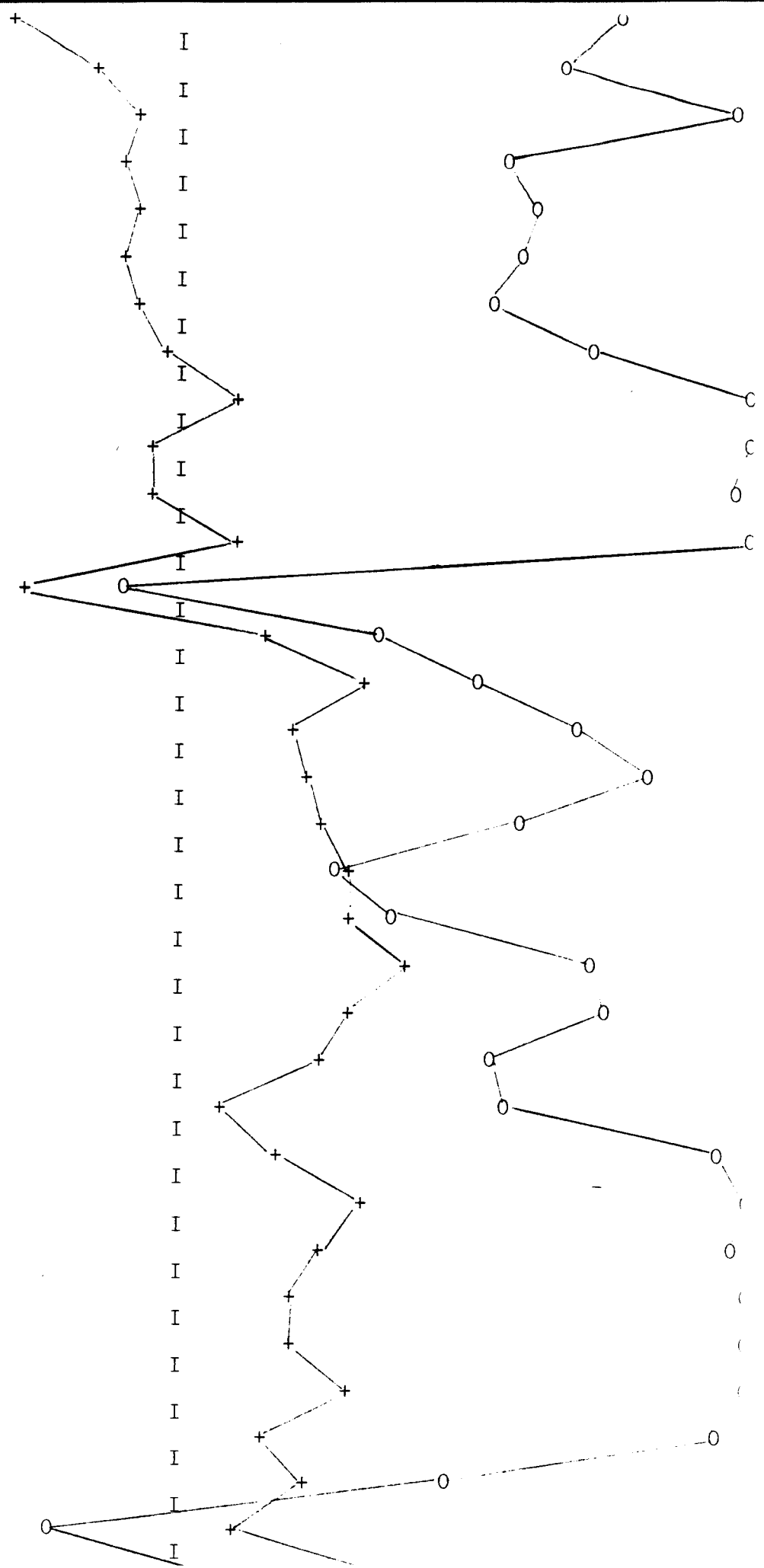
LINE NUMBER :L19S 12+00W TO 12+00E

STN 2 IS QUAD +

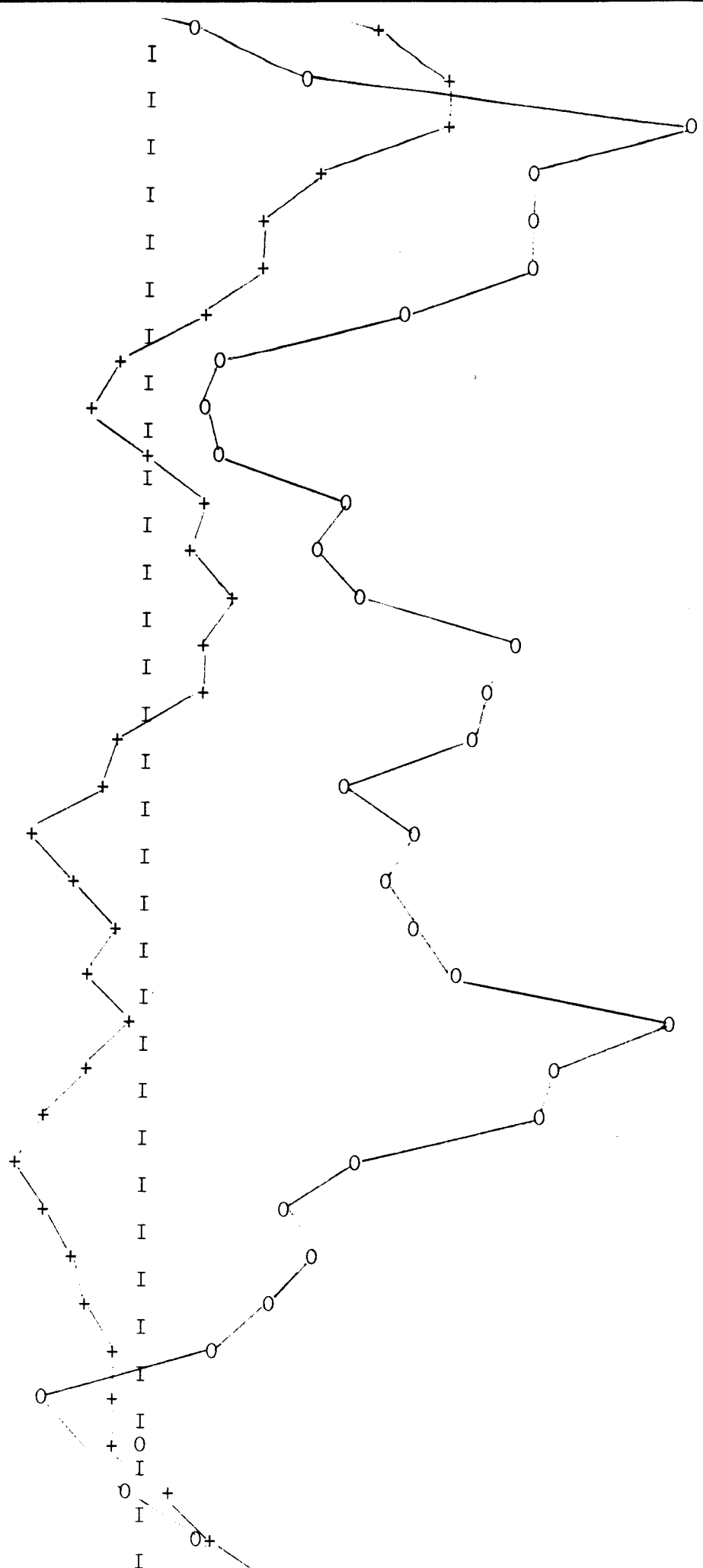
RAPITAN VLF - EM PROFILE: DIP ANGLES IN DEGREES



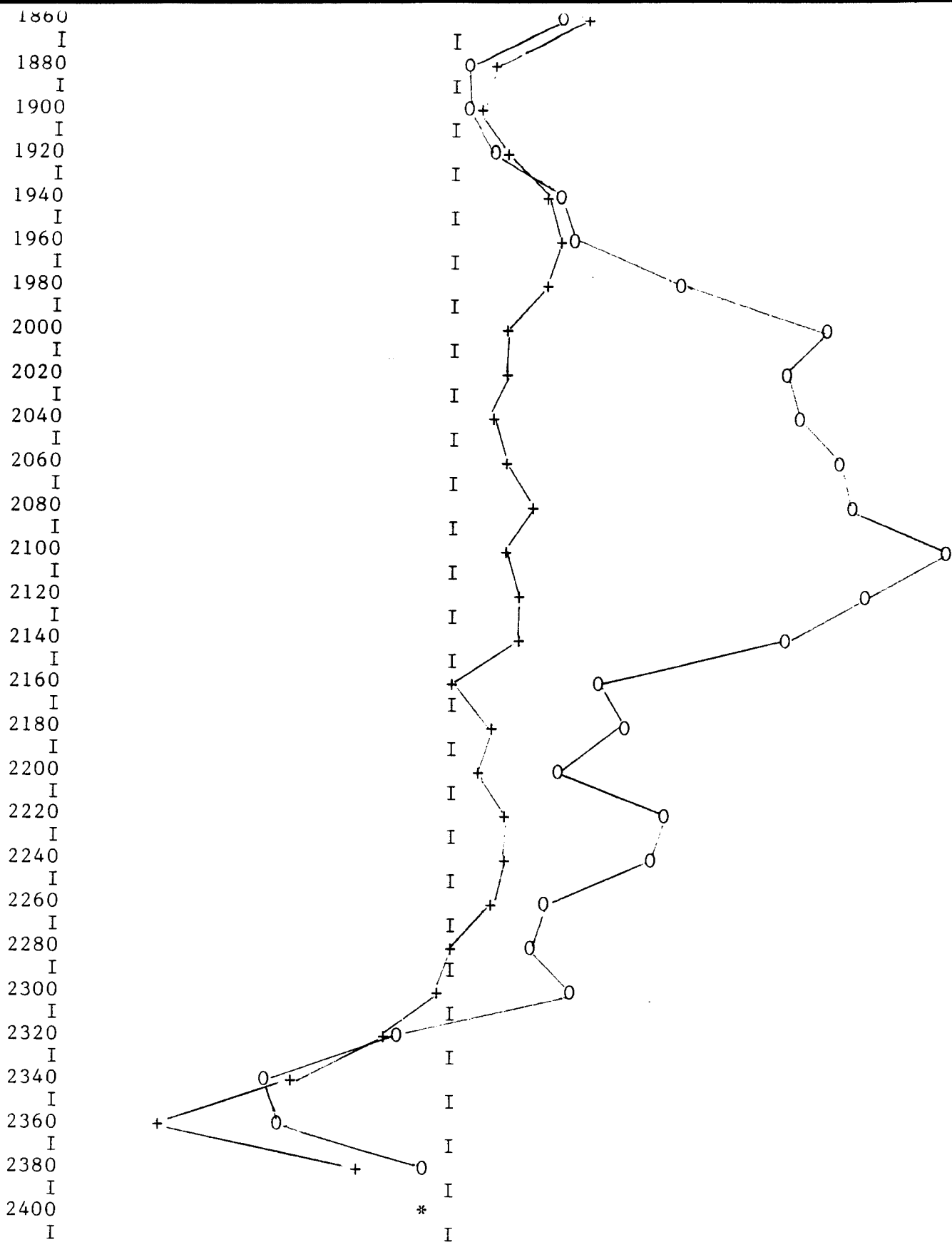
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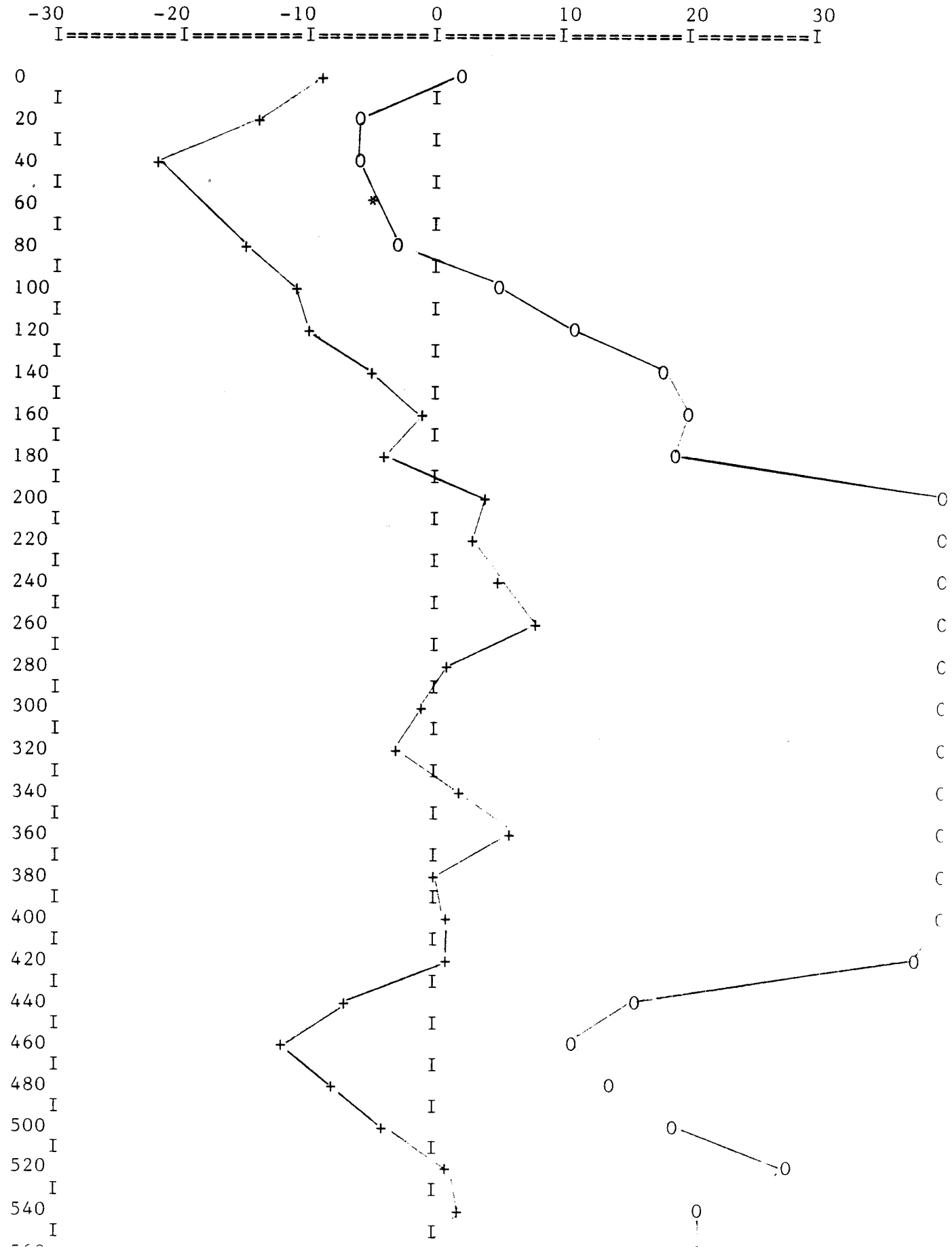




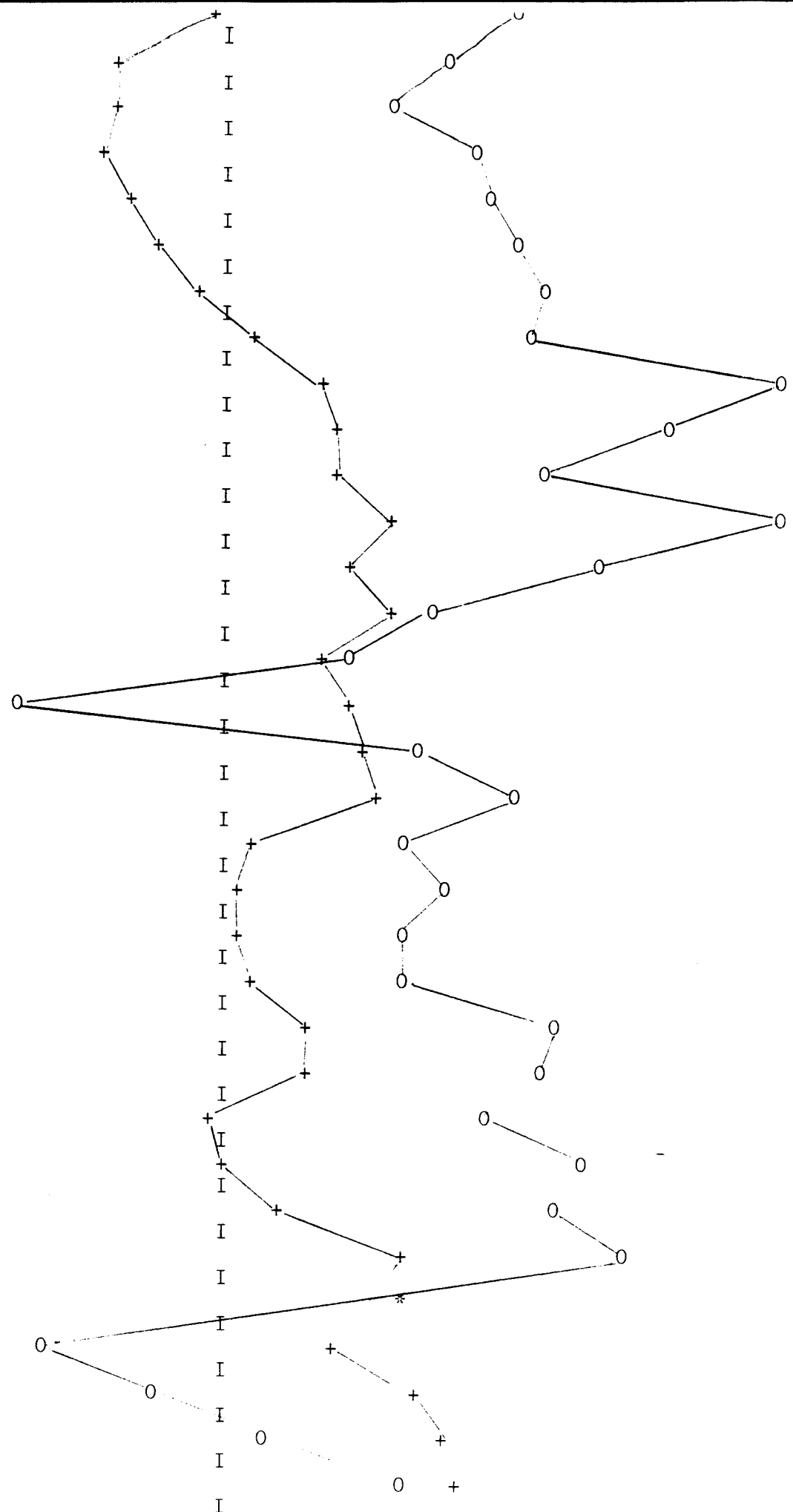
300 REM ENTER DATA: DATA Y1,Y2  
301 REM OROFINO MTN PROP GRANDEX RES LTD JUNE 25/86  
302 REM L2OS 12+00W TO 0+00 STA SEATTLE DIP 0, QUAD +  
310 DATA 2,-9  
320 DATA -6,-14  
330 DATA -6,-22  
340 DATA -5,-5  
350 DATA -3,-15  
360 DATA 5,-11  
370 DATA 11,-10  
380 DATA 18,-5  
390 DATA 20,-1  
400 DATA 19,-4  
410 DATA 40,4  
420 DATA 40,3  
430 DATA 40,5  
440 DATA 40,8  
450 DATA 40,1  
460 DATA 40,-1  
470 DATA 40,-3  
480 DATA 40,2  
490 DATA 40,6  
500 DATA 40,0  
510 DATA 40,1  
520 DATA 38,1  
530 DATA 16,-7  
540 DATA 11,-12  
550 DATA 14,-8  
560 DATA 19,-4  
570 DATA 28,1  
580 DATA 21,2  
590 DATA 21,-1  
600 DATA 16,-8  
610 DATA 12,-8  
620 DATA 18,-9  
630 DATA 19,-7  
640 DATA 21,-5  
650 DATA 23,-2  
660 DATA 22,2  
670 DATA 40,7  
680 DATA 32,8  
690 DATA 23,8  
700 DATA 40,12  
710 DATA 27,9  
720 DATA 15,12  
730 DATA 9,7  
740 DATA -15,9  
750 DATA 14,10  
760 DATA 21,11  
770 DATA 13,2  
780 DATA 16,1  
790 DATA 13,1  
800 DATA 13,2  
810 DATA 24,6  
820 DATA 23,6  
830 DATA 19,-1  
840 DATA 26,0  
850 DATA 24,4  
860 DATA 29,13  
870 DATA 13,13  
880 DATA -13,8  
890 DATA -5,14  
900 DATA 3,16  
910 DATA 12,17

910 DATA IS, 17  
 PROPERTY NAME :OROFINO MTN PROP  
 FOR CLIENT:GRANDEX RES LTD  
 DATE :JUNE 25/86  
 LINE NUMBER :L20S 12+00W TO 0+00  
 RAPITAN VLF - EM PROFILE: DIP ANGLES IN DEGREES

STN 1 IS SEATTLE  
 STN 2 IS QUAD +



580  
600  
620  
640  
660  
680  
700  
720  
740  
760  
780  
800  
820  
840  
860  
880  
900  
920  
940  
960  
980  
1000  
1020  
1040  
1060  
1080  
1100  
1120  
1140  
1160  
1180  
1200



300 REM ENTER DATA: DATA Y1,Y2  
301 REM OROFINO MTN PROP GRANDEX RES LTD JUNE 25/86  
302 REM L21S 12+00W TO 0+00 STA SEATTLE DIP 0, QUAD +  
310 DATA 0,-20  
320 DATA -3,-18  
330 DATA 11,-22  
340 DATA 8,-12  
350 DATA 18,-14  
360 DATA 26,-14  
370 DATA 28,-9  
380 DATA 31,-7  
390 DATA 30,-5  
400 DATA 27,-6  
410 DATA 34,-8  
420 DATA 32,-7  
430 DATA 40,-4  
440 DATA 40,-5  
450 DATA 40,-6  
460 DATA 40,-5  
470 DATA 40,2  
480 DATA 20,-1  
490 DATA 10,-1  
500 DATA 14,1  
510 DATA 12,2  
520 DATA 8,0  
530 DATA 15,1  
540 DATA 11,-3  
550 DATA 21,-2  
560 DATA 26,0  
570 DATA 31,-1  
580 DATA 30,-11  
590 DATA 19,-10  
600 DATA 30,-13  
610 DATA 40,-14  
620 DATA 38,-6  
630 DATA 39,-6  
640 DATA 25,-3  
650 DATA 29,-3  
660 DATA 33,4  
670 DATA 26,7  
680 DATA 15,8  
690 DATA 36,12  
700 DATA 15,7  
710 DATA 21,9  
720 DATA 25,7  
730 DATA 24,5  
740 DATA 28,7  
750 DATA 25,5  
760 DATA 21,-5  
770 DATA 19,-2  
780 DATA 21,-1  
790 DATA 23,0  
800 DATA 32,1  
810 DATA 29,6  
820 DATA 39,14  
830 DATA 19,14  
840 DATA 14,19  
850 DATA 18,28  
860 DATA 22,22  
870 DATA 2,13  
880 DATA -14,4  
890 DATA -7,9  
900 DATA 2,11  
910 DATA 1,10  
PROPERTY NAME OROFINO MTN PROP

PROPERTY NAME : GRADING MIN PROF

FOR CLIENT:GRANDEX RES LTD

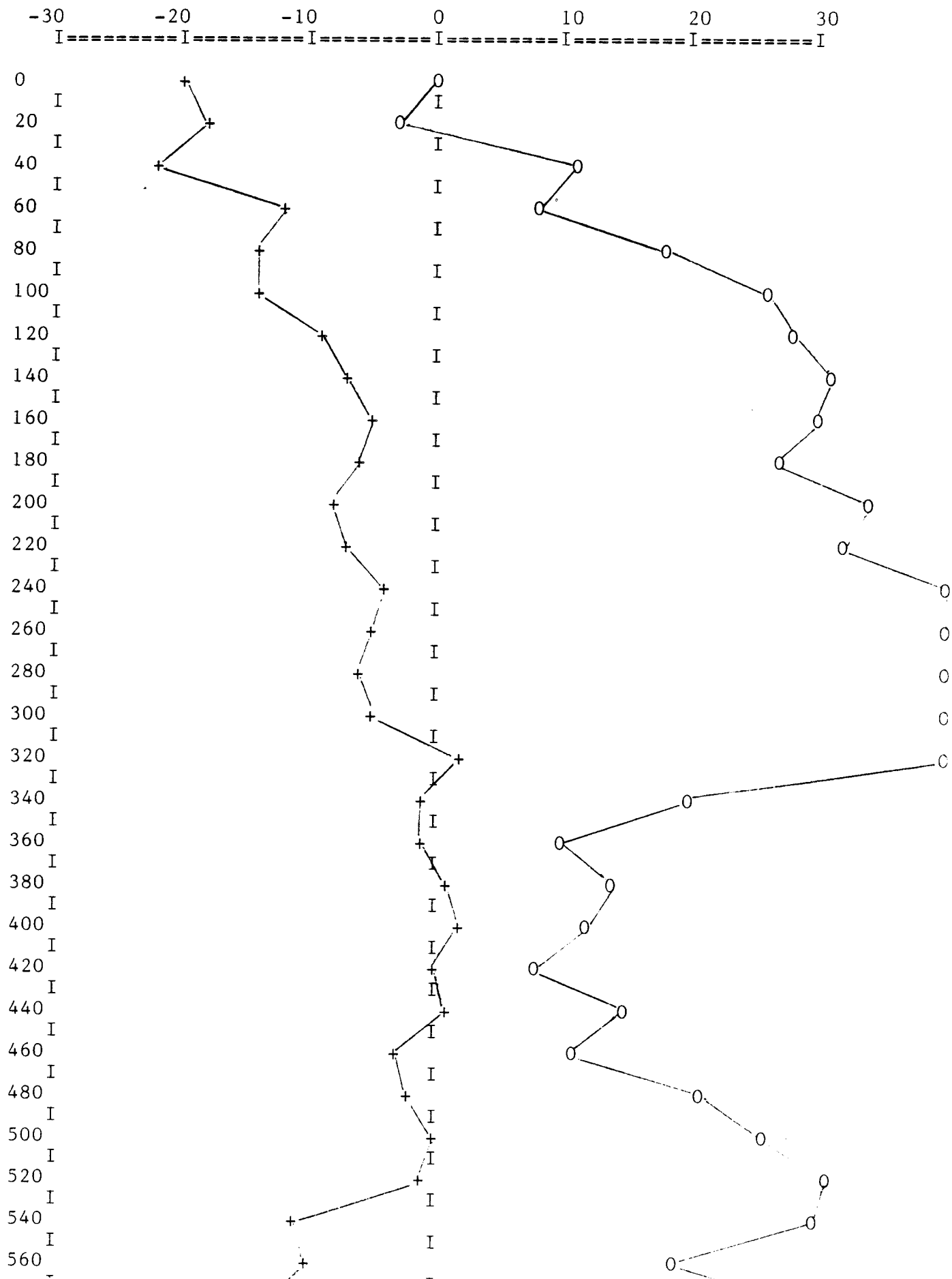
DATE : JUNE 25/86

LINE NUMBER : L21S 12+00W TO 0+00

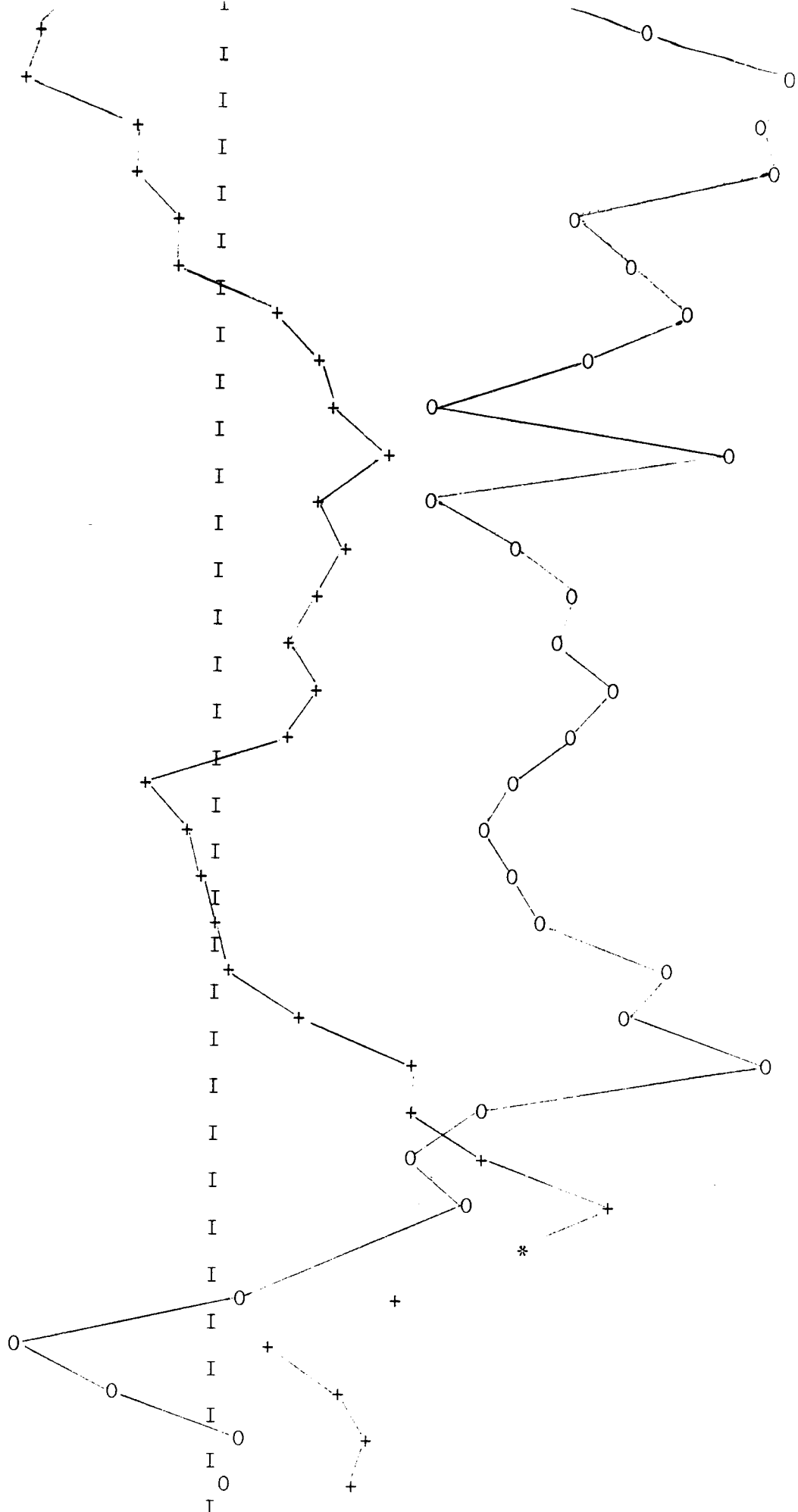
RAPITAN VLF - EM PROFILE: DIP ANGLES IN DEGREES

STN 1 IS SEATTLE DIP 0

STN 2 IS QUAD +



580  
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820  
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860  
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880  
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940  
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980  
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1080  
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1100  
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1120  
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1140  
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1160  
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1180  
I  
1200  
I



300 REM ENTER DATA: DATA Y1,Y2  
301 REM OROFINO MTN PROP GRANDEX RES LTD JUNE 26/86  
302 REM L22S 12+00W TO 0+00 STA SEATTLE DIP 0, QUAD +  
310 DATA 18,-4  
320 DATA 26,-2  
330 DATA 26,-8  
340 DATA 28,-8  
350 DATA 36,-7  
360 DATA 34,-7  
370 DATA 34,-14  
380 DATA 40,-12  
390 DATA 29,-7  
400 DATA 28,13  
410 DATA 37,-6  
420 DATA 34,1  
430 DATA 18,-6  
440 DATA 18,-5  
450 DATA 16,-4  
460 DATA 19,-4  
470 DATA 22,-6  
480 DATA 23,-2  
490 DATA 40,5  
500 DATA 40,8  
510 DATA 40,5  
520 DATA 40,2  
530 DATA 40,-2  
540 DATA 40,-12  
550 DATA 40,-10  
560 DATA 36,-8  
570 DATA 40,-9  
580 DATA 40,-8  
590 DATA 35,-7  
600 DATA 34,2  
610 DATA 36,2  
620 DATA 38,-1  
630 DATA 19,4  
640 DATA 22,12  
650 DATA 40,14  
660 DATA 40,8  
670 DATA 26,5  
680 DATA 40,16  
690 DATA 31,1  
700 DATA 21,-1  
710 DATA 31,-3  
720 DATA 35,-2  
730 DATA 37,2  
740 DATA 38,9  
750 DATA 41,18  
760 DATA 40,32  
770 DATA 40,40  
780 DATA 25,32  
790 DATA 14,24  
800 DATA -9,8  
810 DATA -5,9  
820 DATA -1,17  
830 DATA 3,11  
840 DATA 0,6

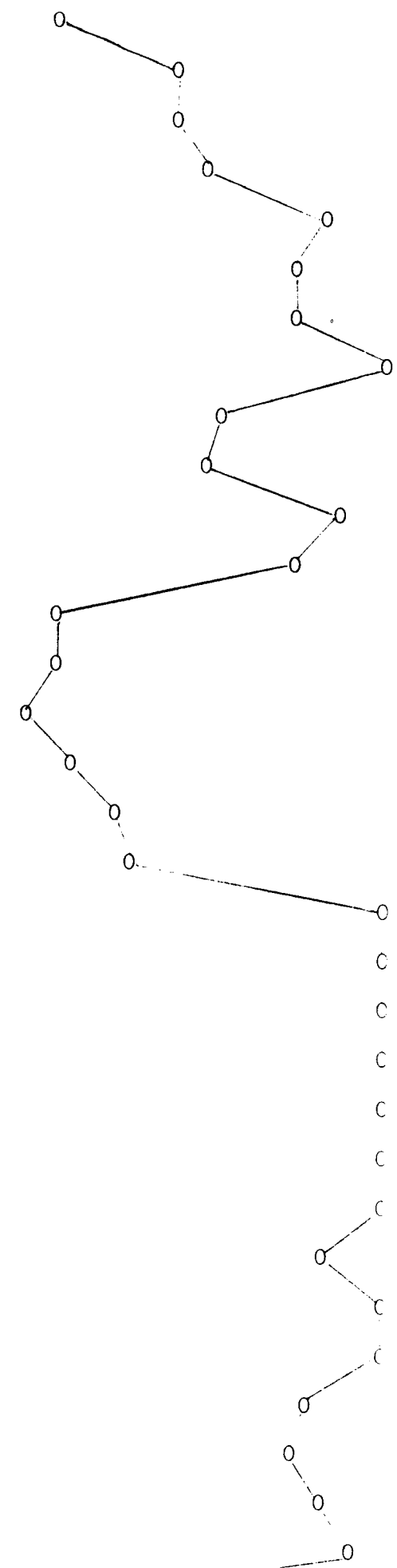
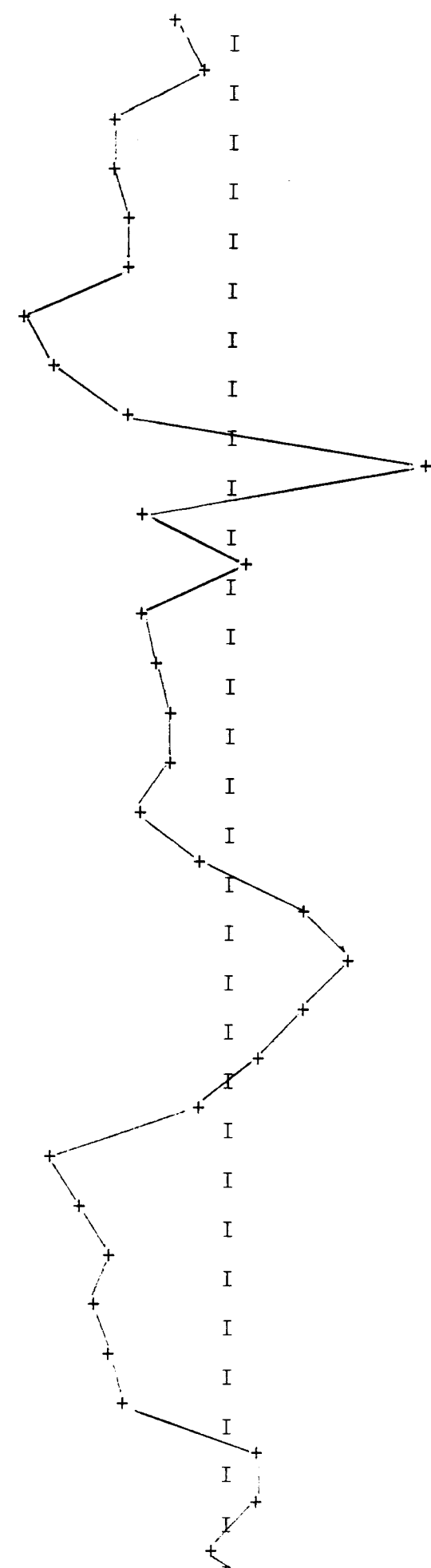
PROPERTY NAME :OROFINO MTN PROP  
FOR CLIENT:GRANDEX RES LTD  
DATE :JUNE 26/86  
LINE NUMBER :L22S 12+00W TO 0+00  
RAPITAN VLF - EM PROFILE: DIP ANGLES IN DEGREES

STN 1 IS SEATTLE DIP 0  
STN 2 IS QUAD +

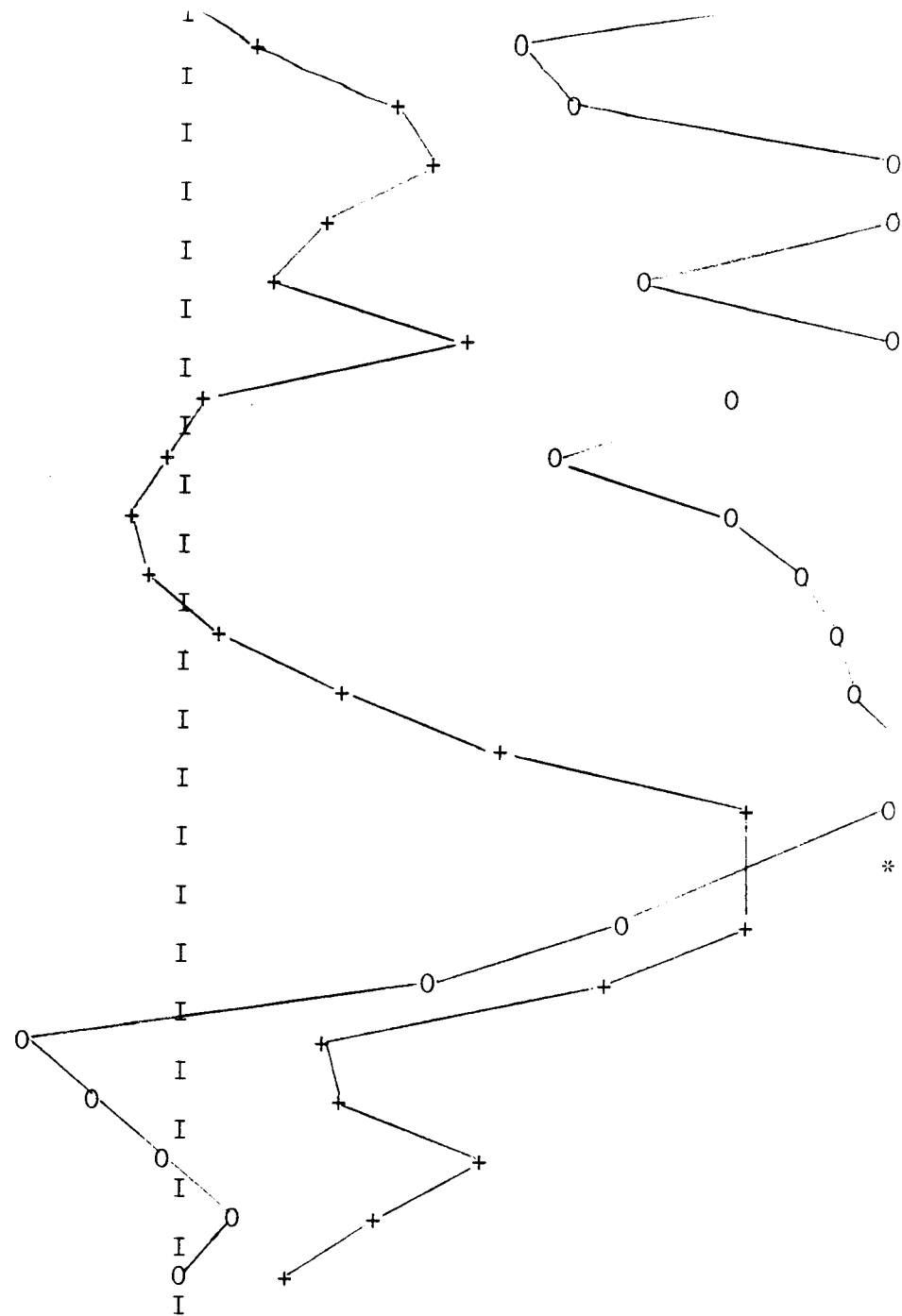


I-----I-----I-----I-----I-----I-----I-----I

0  
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100  
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180  
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240  
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260  
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480  
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560  
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620  
I



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700  
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720  
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760  
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780  
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880  
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920  
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940  
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960  
I  
980  
I  
1000  
I  
1020  
I  
1040  
I  
1060  
I



300 REM ENTER DATA: DATA Y1,Y2  
301 REM OROFINO MTN PROP GRANDEX RES LTD JUNE 26/86  
302 REM L23S 12+00W TO 0+00 STA SEATTLE DIP 0, QUAD +  
310 DATA 23,-2  
320 DATA 21,-4  
330 DATA 21,-5  
340 DATA 24,-10  
350 DATA 18,-13  
360 DATA 23,-15  
370 DATA 15,-22  
380 DATA 2,-18  
390 DATA 30,-28  
400 DATA 14,-18  
410 DATA 31,-3  
420 DATA 14,-6  
430 DATA 40,-5  
440 DATA 23,-1  
450 DATA 23,-1  
460 DATA 23,-4  
470 DATA 20,0  
480 DATA 27,2  
490 DATA 29,1  
500 DATA 28,-3  
510 DATA 32,1  
520 DATA 36,0  
530 DATA 40,-3  
540 DATA 40,0  
550 DATA 40,-2  
560 DATA 40,5  
570 DATA 40,12  
580 DATA 40,-2  
590 DATA 31,0  
600 DATA 37,1  
610 DATA 37,4  
620 DATA 18,-1  
630 DATA -1,-4  
640 DATA 4,-3  
650 DATA 18,-1  
660 DATA 21,4  
670 DATA 37,17  
680 DATA 39,23  
690 DATA 33,14  
700 DATA 40,22  
710 DATA 40,22  
720 DATA 40,13  
730 DATA 32,8  
740 DATA 12,4  
750 DATA 14,8  
760 DATA 28,9  
770 DATA 25,8  
780 DATA 31,11  
790 DATA 30,9  
800 DATA 30,14  
810 DATA 21,12  
820 DATA 18,12  
830 DATA 16,11  
840 DATA 16,13  
850 DATA 20,6  
860 DATA 15,3  
870 DATA 16,2  
880 DATA 27,2  
890 DATA 25,2  
900 DATA 36,0  
910 DATA 31 -4

PROPERTY NAME :OROFINO MTN PROP

FOR CLIENT:GRANDEX RES LTD

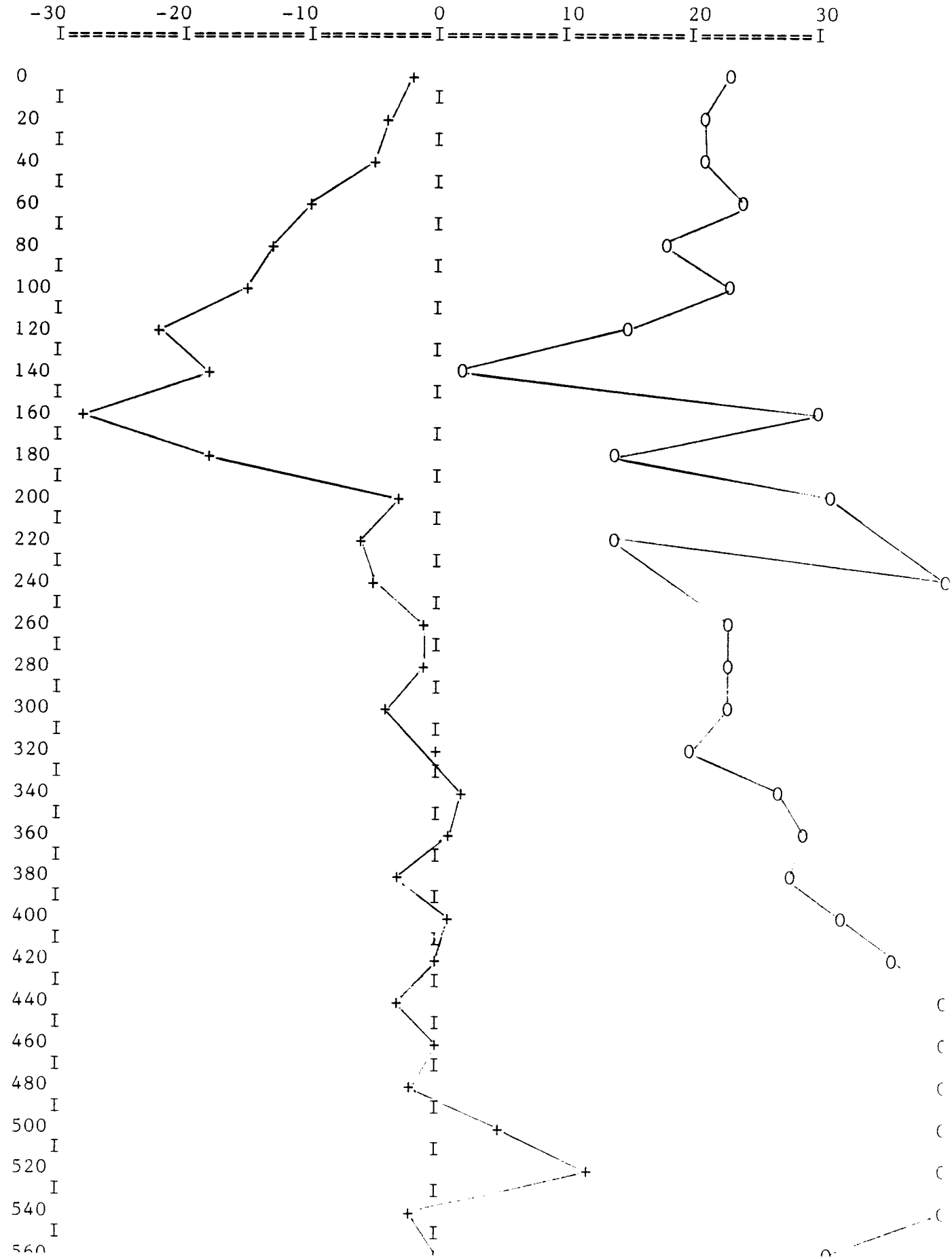
DATE :JUNE 26/86

LINE NUMBER :L23S 12+00W TO 0+00

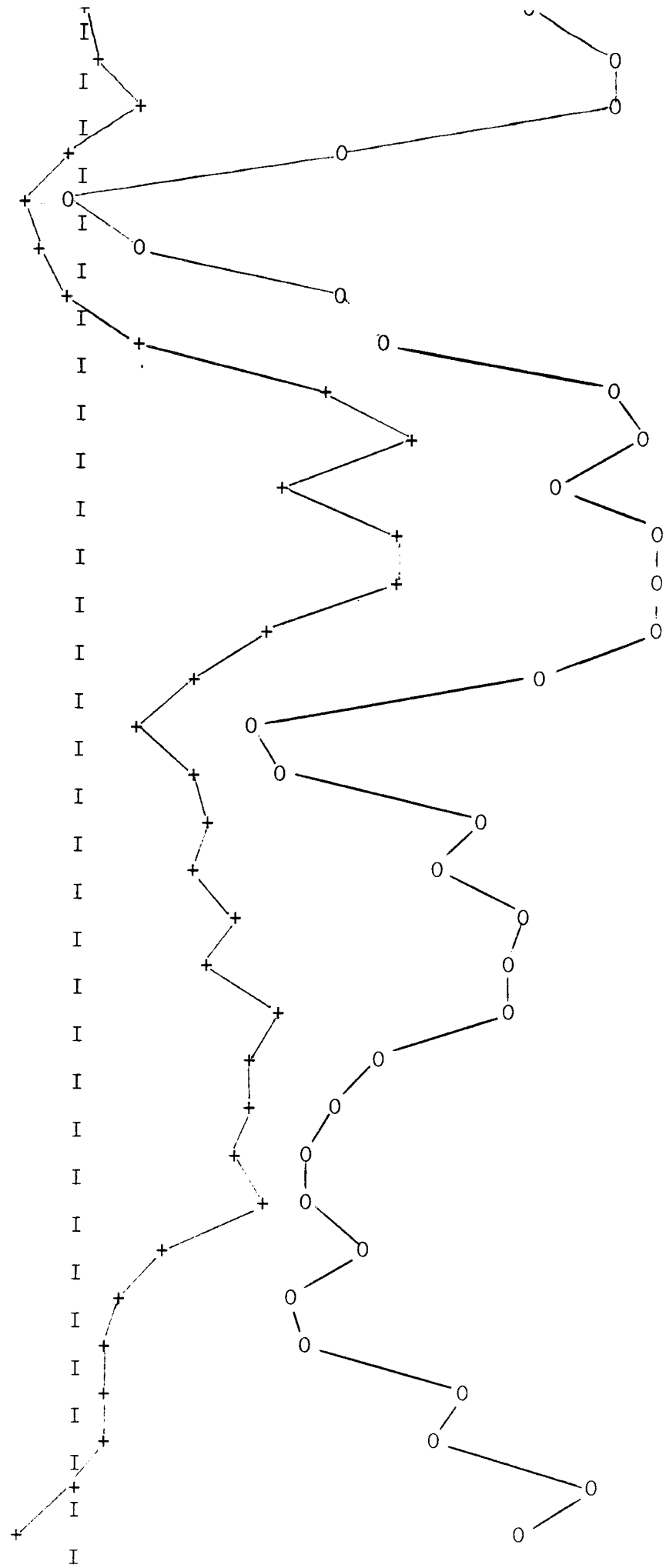
RAPITAN VLF - EM PROFILE: DIP ANGLES IN DEGREES

STN 1 IS SEATTLE DIP 0

STN 2 IS QUAD +



580 I  
600 I  
620 I  
640 I  
660 I  
680 I  
700 I  
720 I  
740 I  
760 I  
780 I  
800 I  
820 I  
840 I  
860 I  
880 I  
900 I  
920 I  
940 I  
960 I  
980 I  
1000 I  
1020 I  
1040 I  
1060 I  
1080 I  
1100 I  
1120 I  
1140 I  
1160 I  
1180 I  
1200 I



APPENDIX D

CERTIFICATES OF ANALYSIS



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 Brooksbank Ave.  
North Vancouver, B.C.  
Canada V7J 2C1  
Phone: (604) 984-0221  
Telex: 043-52597

## CERTIFICATE OF ASSAY

TO : GRANDEX RESOURCES LTD.

501 - 700 W. PENDER ST.  
VANCOUVER, BC  
V6C 1G8

BOX 234  
KEREMUCS, BC  
VCC INC

\*\* CERT. # : A8614986-001-A  
INVOICE # : I8614986  
DATE : 24-JUL-86  
P.O. # : NONE  
OROFINO

ATTN: RUDY RIEPE  GRANT CROOKER

Sample description	Prep code	Au FA oz/T					
L-0 3+60E A	207	0.002	--	--	--	--	--
L-0 3+60E B	207	0.006	--	--	--	--	--
2N 4+40E	207	<0.002	--	--	--	--	--
UPPER KING G	207	<0.002	--	--	--	--	--

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Registered Assayer, Province of British Columbia



# Chemex Labs Ltd.

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212 Brooksbank Ave.  
North Vancouver, B.C.  
Canada V7J 2C1  
Phone: (604) 984-0221  
Telex: 043-52597

## CERTIFICATE OF ASSAY

TO : GRANDEX RESOURCES LTD.

\*\*

CERT. # : A8614733-001-A  
INVOICE # : 18614733  
DATE : 23-JUL-86  
P.O. # : NONE  
CROFINO

501 - 700 W. PENDER ST.  
VANCOUVER, BC  
V6C 1G8

ATTN: RUDY RIEPE CC: GRANT COOKER

Sample description	Prep code	Au FA oz/T						
✓ 15S 7+20E	207	<0.002	--	--	--	--	--	--
✓ 17S 1+80EA	207	<0.002	--	--	--	--	--	--
✓ 17S 1+80EB	207	<0.002	--	--	--	--	--	--
✓ 03S 1+00W	207	0.102	--	--	--	--	--	--
✓ 3+28S 1+00W	207	0.014	--	--	--	--	--	--
✓ 1N 2+40WA	207	0.002	--	--	--	--	--	--
✓ 1N 2+40WB	207	0.008	--	--	--	--	--	--
MILL ADIT A	207	0.012	--	--	--	--	--	--
MILL ADIT B	207	<0.002	--	--	--	--	--	--
MILL ADIT C	207	<0.002	--	--	--	--	--	--
UPPER KING A	207	0.036	--	--	--	--	--	--
UPPER KING B	207	0.018	--	--	--	--	--	--
UPPER KING C	207	<0.002	--	--	--	--	--	--
UPPER KING D	207	0.012	--	--	--	--	--	--
UPPER KING E	207	0.010	--	--	--	--	--	--
UPPER KING F	207	0.014	--	--	--	--	--	--

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Registered Assayer, Province of British Columbia





# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 Brooksbank Ave.  
North Vancouver, B.C.  
Canada V7J 2C1  
Phone: (604) 984-0221  
Telex: 043-52597

## CERTIFICATE OF ASSAY

TO : GRANDEX RESOURCES LTD.

\*\*

CERT. # : A8614446-001-A  
INVOICE # : I8614446  
DATE : 16-JUL-86  
P.C. # : NONE  
ORCFINC

501 - 700 W. PENDER ST.  
VANCOUVER, BC  
V6C 1G8

ATTN: RUDY RIEPE CC: GRANT CROOKER

Sample description	Prep code	Ag FA oz/T	Au FA oz/T				
IN 0+20E	207	--	<0.002	--	--	--	--
IN 0+40E	207	--	0.006	--	--	--	--
0+50S 16+00E	207	--	0.042	--	--	--	--
15S 2+50E	207	--	0.002	--	--	--	--
15S 3+50E	207	--	<0.002	--	--	--	--
15S 4+00E A	207	--	0.020	--	--	--	--
15S 4+00E B	207	--	0.012	--	--	--	--
16S 1+00E	207	--	<0.002	--	--	--	--
16+70S 1+50E	207	--	<0.002	--	--	--	--
17+50S 1+50E	207	--	<0.002	--	--	--	--
19S 7+60S	207	--	0.664	--	--	--	--
19+50S 3+00E	207	1.49	0.025	--	--	--	--
22S 7+20W	207	--	0.004	--	--	--	--
BL 22+75S	207	--	0.002	--	--	--	--
31S 6+00E	207	1.34	0.004	--	--	--	--

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# Chemex Labs Ltd.

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212 Brooksbank Ave.  
North Vancouver, B.C.  
Canada V7J 2C1  
Phone: (604) 984-0221  
Telex: 043-52597

## CERTIFICATE OF ASSAY

TO : GRANDEX RESOURCES LTD.

\*\*

CERT. # : A8613006-001-A  
INVOICE # : I8613006  
DATE : 29-MAY-86  
P.O. # : NONE

505 - 700 W. PENDER ST.  
VANCOUVER, BC  
V6C 1G8

ATTN: RUDY RIEPE

Sample description	Prep code	Ag FA oz/T	Au FA oz/T				
OROF #A	207	--	0.028	--	--	--	--
OROFIV #B	207	--	0.120	--	--	--	--
OROF #C	207	--	0.698	--	--	--	--
OROF #D	207	--	0.008	--	--	--	--
CANDO #E	207	0.08	0.016	--	--	--	--

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# Chemex Labs Ltd.

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212 Brooksbank Ave.  
North Vancouver, B.C.  
Canada V7J 2C1  
Phone: (604) 984-0221  
Telex: 043-52597

## CERTIFICATE OF ASSAY

TO : GRANDEX RESOURCES LTD.

505 - 700 W. PENDER ST.  
VANCOUVER, BC  
V6C 1G8

3707 W. 34th Ave  
Vancouver, B.C.

CERT. # : A8613885-001-A  
INVOICE # : I8613885  
DATE : 27-JUN-86  
P.O. # : NONE  
OROFINO

ATTN: RUDY C. RIEPE CC: PETER A. CHRISTOPHER

Sample description	Prep code	Ag FA oz/T	Au FA oz/T				
38251	207	<0.01	0.036	--	--	--	--
38252	207	1.03	1.142	--	--	--	--
38253	207	0.06	0.038	--	--	--	--

*[Signature]*

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Registered Assayer, Province of British Columbia

ROSSBACHER LABORATORY LTD.

2225 S. SPRINGER AVENUE  
BURNABY, B.C. V5B 3N1  
TEL : (604) 299 - 6910

CERTIFICATE OF ANALYSIS

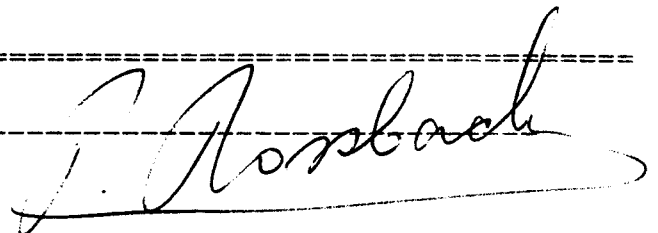
TO : GRANT CROOKER  
P.O. BOX 234  
KEREMEOS, B.C.

CERTIFICATE#: 86190  
INVOICE#: 6442  
DATE ENTERED: 86-07-04  
FILE NAME: BC86190  
PAGE # : 1

PROJECT: -NONE-  
TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	PPM Cu	PPM Ag	PPM Pb	PPB Au
L	86-SK-01	124	0.2	4	10
L	02	54	0.2	2	5
L	03	22	0.6	2	5
L	04	30	0.4	2	5
L	05	20	0.2	2	5
L	06	38	0.2	4	5
L	07	94	1.0	96	1920
L	08	50	0.2	2	5
L	09	40	0.2	4	5
L	86-SK-10	46	0.2	4	5
L	11	68	0.2	4	5
L	12	40	0.2	4	5
L	13	20	0.2	2	5
L	14	34	0.2	2	5
L	15	22	0.2	2	5
L	16	20	0.2	2	10
L	17	68	0.2	2	5
L	18	24	0.2	6	5
L	86-SK-19	48	0.2	2	5

CERTIFIED BY :



**ROSSBACHER LABORATORY LTD.**

2225 S. SPRINGER AVENUE  
 BURNABY, B.C. V5B 3N1  
 TEL : (604) 299 - 6910

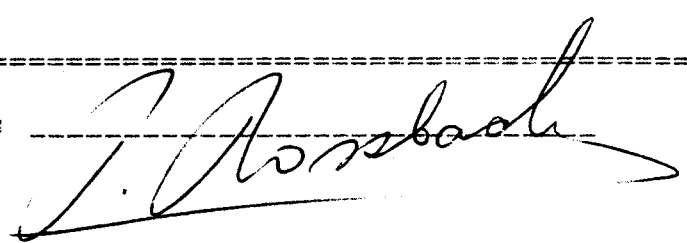
**CERTIFICATE OF ANALYSIS**

TO : GRANT CROOKER  
 P.O. BOX 234  
 KEREMEOS, B.C.  
 PROJECT: GRANDX  
 TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 86196  
 INVOICE#: 6474  
 DATE ENTERED: 86-07-22  
 FILE NAME: 8086196  
 PAGE # : 1

PRE FIX	SAMPLE NAME	PPB Au
0	L-0 4+60W	5
0	5+00W	5
0	L-2N 1+80W	5
0	3+80W	5
0	4+20W	5
0	2+20E	5
0	5+80E	5
0	6+60E	160
0	7+40E	10
0	7+80E	5
0	L-3S 0+60W	5
0	1+00W	30
0	1+40W	5
0	L-3N 7+80W	50
0	8+20W	5
0	1+00E	5
0	1+40E	5
0	2+20E	20
0	2+60E	5
0	3+00E	5
0	3+40E	5
0	4+20E	20
0	4+60E	20
0	L-4N 2+20W	10
0	3+00W	5
0	3+80W	5
0	4+20W	30
0	4+60W	90
0	L-4S 0+20E	5
0	0+40E	5
0	0+00BL	5
0	0+20W	5
0	0+40W	5
0	0+60W	5
0	0+80W	5
0	1+00W	5
0	1+20W	5
0	1+40W	5
0	L-5N 0+60E	180
0	1+00E	110

CERTIFIED BY :



**ROSSBACHER LABORATORY LTD.**

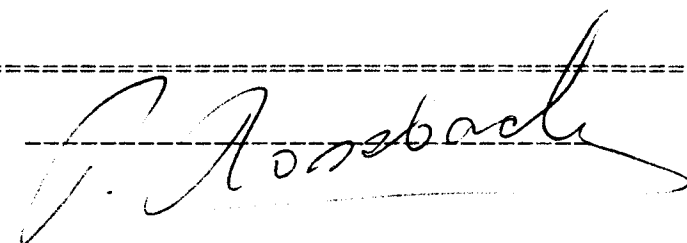
2225 S. SPRINGER AVENUE  
 BURNABY, B.C. V5B 3N1  
 TEL : (604) 299 - 6910

**CERTIFICATE OF ANALYSIS**

TO : GRANT CROCKER  
 P.O. BOX 234  
 KEREMEOS, B.C.  
 PROJECT: GRANDEX  
 TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 86196  
 INVOICE#: 6474  
 DATE ENTERED: 86-07-22  
 FILE NAME: GC86196  
 PAGE # : 2

PRE FIX	SAMPLE NAME	FPB Au
9	L-5 <del>V</del> 1+40E	80
9	1+80E	150
9	2+20E	20
9	2+60E	5
9	3+00E	30
9	3+40E	10
9	5+40E	5
9	5+80E	60
9	L-7N 0+00BL	5
9	0+40E	5
9	0+80E	5
9	1+20E	30
9	1+60E	5
9	2+00E	5
9	2+40E	5
9	2+80E	5
9	3+20E	5
9	3+60E	5
9	4+00E	5
9	4+40E	5
9	4+80E	5
9	5+20E	5
9	5+60E	5
9	6+00E	5
9	6+40E	5
9	6+80E	5
9	7+20E	5
9	7+60E	5
9	8+00E	5
9	8+40E	5
9	8+80E	5
9	9+20E	5
9	9+60E	5
9	10+00E	90
9	10+40E	310
9	10+80E	5
9	11+20E	5
9	11+60E	5
9	L-7E 12+00E	5

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 BURNABY, B.C. V5B 3N1  
 TEL : (604) 299 - 6910

**CERTIFICATE OF ANALYSIS**

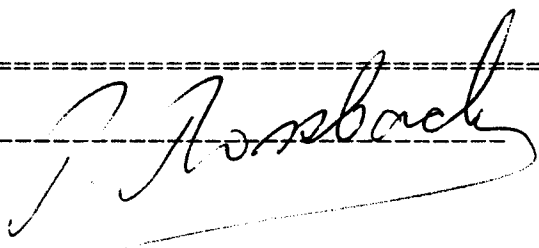
TO : GRANT CROOKER  
 P.O. BOX 234  
 KEREMEOS, B.C.

CERTIFICATE#: 86195  
 INVOICE#: 6462  
 DATE ENTERED: 86-07-10  
 FILE NAME: GC86195  
 PAGE # : 1

PROJECT: GRANDEX  
 TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	-40 MESH	PPB Au
S	23S BL		5
S	0+40W		5
S	0+80W		5
S	1+20W		5
S	1+60W		5
S	2+00W		5
S	2+40W		5
S	2+80W		5
S	3+20W		5
S	3+60W		20
S	4+00W		5
S	4+40W		5
S	4+80W		5
S	5+20W		5
S	5+60W		5
S	6+00W		5
S	6+40W		5
S	6+80W		5
S	7+20W		5
S	7+60W		5
S	8+00W		5
S	8+40W		5
S	8+80W		5
S	9+20W		5
S	9+60W		5
S	10+00W		5
S	10+40W		5
S	10+80W	X	5
S	11+20W		5
S	11+60W		5
S	23S 12+00W	X	5
S	22S 1+40W		5
S	1+80W		5
S	2+20W		5
S	2+60W		20
S	3+00W		5
S	3+40W		5
S	3+80W		5
S	4+20W		5
S	4+60W		5

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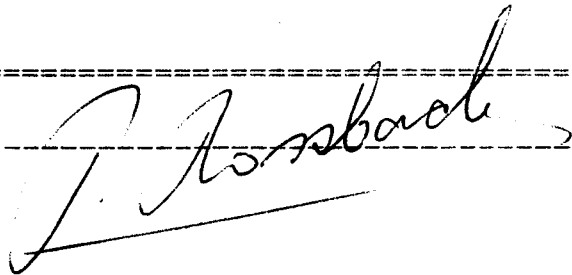
**CERTIFICATE OF ANALYSIS**

TO : GRANT CROOKER  
 P.O. BOX 234  
 KEREMEOS, B.C.

CERTIFICATE#: 86195  
 INVOICE#: 6462  
 DATE ENTERED: 86-07-10  
 FILE NAME: 6086195  
 PAGE # : 2

PROJECT: GRANDEX  
 TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	-40 MESH	PPB Au
5	22S 5+00W		5
5	5+40W		5
5	5+80W		5
5	6+20W		5
5	6+40W		5
5	6+60W		5
5	7+00W		5
5	7+20W		5
5	7+40W		5
5	7+80W		5
5	8+20W		5
5	8+60W		5
5	9+00W		5
5	9+40W		5
5	9+80W	X	5
5	10+20W		5
5	10+60W		5
5	11+00W		5
5	11+40W		5
5	22S 11+80W		5
5	21S BL		5
5	0+40W		5
5	0+80W		5
5	1+20W		5
5	1+60W		5
5	2+00W		5
5	2+40W		5
5	2+80W		5
5	3+20W		5
5	3+60W		5
5	4+00W		5
5	4+40W		5
5	4+80W		5
5	5+20W		5
5	5+60W		5
5	6+00W		5
5	6+40W		5
5	6+80W		5
5	7+20W		5
5	21S 7+40W		5

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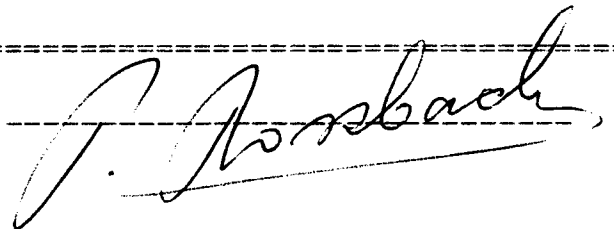
**CERTIFICATE OF ANALYSIS**

TO : GRANT CROOKER  
 P.O. BOX 234  
 KEREMEDS, B.C.  
 PROJECT: GRANDEX  
 TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 86195  
 INVOICE#: 6462  
 DATE ENTERED: 86-07-10  
 FILE NAME: BCB6195  
 PAGE # : 3

PRE FIX	SAMPLE NAME	-40 MESH	PPB Au
S	21S 7+60W		5
S	7+80W		5
S	8+00W		5
S	8+20W	MISSING	
S	8+40W		50
S	8+60W		5
S	8+80W		5
S	9+20W		5
S	9+60W		5
S	10+00W		5
S	10+40W		5
S	10+80W		5
S	11+20W		5
S	11+60W		5
S	21S 12+00W		5
S	20S BL		5
S	0+40W		5
S	0+80W		5
S	1+20W		5
S	1+60W		5
S	2+00W		5
S	2+40W		5
S	3+00W		5
S	3+20W		5
S	3+60W		5
S	4+00W		5
S	4+40W		10
S	4+80W		5
S	5+20W		5
S	5+60W		5
S	6+00W		5
S	6+40W		5
S	6+80W		5
S	7+20W		5
S	7+40W		5
S	7+60W		5
S	7+80W		5
S	8+00W		5
S	8+20W		5
S	20S 8+40W		5

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**CERTIFICATE OF ANALYSIS**

2225 B. SPRINGER AVENUE  
 BURNABY, B.C. V5B 3N1  
 TEL : (604) 299 - 6910

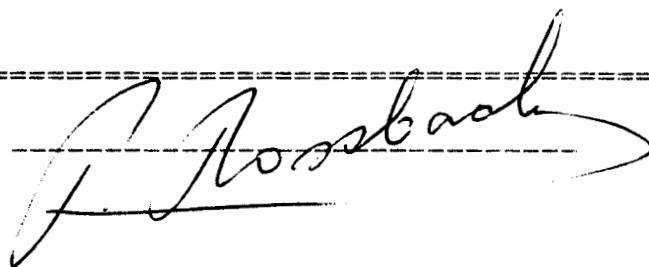
TO : GRANT CROOKER  
 P.O. BOX 234  
 KEREMEOS, B.C.

CERTIFICATE#: 96195  
 INVOICE#: 6462  
 DATE ENTERED: 86-07-10  
 FILE NAME: GC86195  
 PAGE # : 4

PROJECT: GRANDEX  
 TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	-40 MESH	PPB Au
5	20S 8+80W		5
5	9+20W		5
5	9+60W		5
5	10+00W		5
5	10+40W		5
5	10+80W		5
5	11+20W		5
5	11+60W		5
5	20S 12+00W		5
5	19S BL		5
5	0+40W		5
5	0+80W		5
5	1+20W		5
5	1+60W		5
5	2+00W		5
5	2+40W		5
5	2+80W		5
5	3+20W		5
5	3+60W		5
5	4+00W		5
5	4+40W		5
5	4+80W		5
5	5+20W		5
5	5+60W		5
5	6+00W		5
5	6+40W		5
5	6+60W		210
5	6+80W		5
5	7+20W		5
5	7+40W		5
5	7+60W		10
5	8+00W		5
5	8+40W		10
5	8+80W		5
5	9+20W		5
5	9+60W		5
5	10+00W		5
5	10+40W		5
5	10+80W		5
5	19S 11+20W		5

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 TEL : (604) 299 - 6910

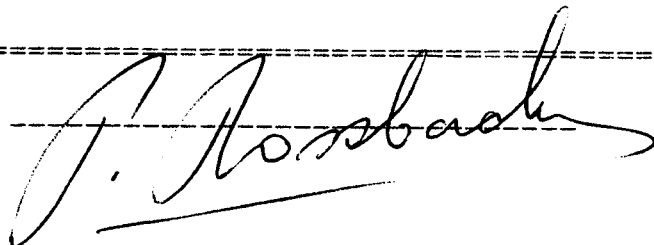
**CERTIFICATE OF ANALYSIS**

TO : GRANT CROOKER  
 P.O. BOX 234  
 KEREMEOS, B.C.  
 PROJECT: GRANDX  
 TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 86195  
 INVOICE#: 6462  
 DATE ENTERED: 86-07-10  
 FILE NAME: GC86195  
 PAGE # : 5

PRE FIX	SAMPLE NAME	-40 MESH	PPB Au
S	19S 11+60W		5
S	19S 12+00W		5
S	18S BL		5
S	0+40W		5
S	0+80W		5
S	1+20W		5
S	1+60W		5
S	2+00W		5
S	2+40W		5
S	2+80W		5
S	3+20W		5
S	3+60W		5
S	4+00W		5
S	4+40W		5
S	4+80W		10
S	5+20W		5
S	5+60W		5
S	6+00W		110
S	6+40W		5
S	6+80W		5
S	7+20W		5
S	7+60W		5
S	8+00W		5
S	8+40W		5
S	8+80W		5
S	9+20W		5
S	9+60W		5
S	10+00W		5
S	10+40W		5
S	10+80W		5
S	11+20W		5
S	11+60W		5
S	18S 12+00W		5
S	19S 0+40E		5
S	0+80E		5
S	1+20E		5
S	1+60E		5
S	2+00E		5
S	2+40E		5
S	2+80E		5

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2225 S. SPRINGER AVENUE  
 BURNABY, B.C. V5B 3N1  
 TEL : (604) 299 - 6910

**CERTIFICATE OF ANALYSIS**

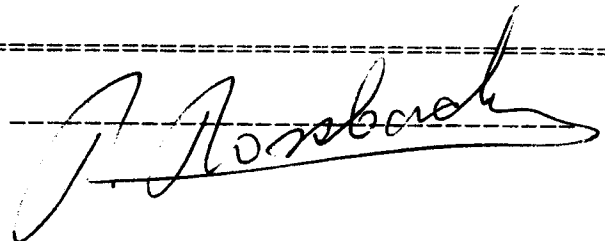
TO : GRANT CROOKER  
 P.O. BOX 234  
 KEREMEOS, B.C.

CERTIFICATE#: 86195  
 INVOICE#: 6462  
 DATE ENTERED: 86-07-10  
 FILE NAME: GCB6195  
 PAGE # : 6

PROJECT: GRANDEX  
 TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	-40 MESH	PPB Au
5	19S 3+20E		5
5	3+60E		5
5	4+00E		5
5	4+40E		5
5	4+80E		10
5	5+20E		5
5	5+60E		5
5	6+00E		5
5	6+40E		5
5	6+80E		5
5	7+20E		5
5	7+60E		5
5	8+00E		5
5	8+40E		5
5	8+80E		5
5	9+20E		5
5	9+60E		5
5	10+00E		5
5	10+40E		5
5	10+80E		5
5	11+20E		5
5	11+60E		5
5	19S 12+00E		5
5	18S 0+40E		5
5	0+80E		5
5	1+20E		5
5	1+60E		5
5	2+00E		5
5	2+40E		10
5	2+80E		5
5	3+20E		5
5	3+60E		5
5	4+00E		5
5	4+40E		5
5	4+80E		5
5	5+20E		5
5	5+60E		5
5	6+00E		5
5	6+40E		5
5	18S 6+80E		5

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 BURNABY, B.C. V5B 3N1  
 TEL : (604) 299 - 6910

**CERTIFICATE OF ANALYSIS**

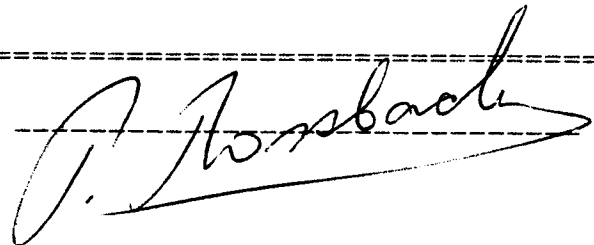
TO : GRANT CROOKER  
 P.O. BOX 234  
 KEREMEOS, B.C.

CERTIFICATE#: 86195  
 INVOICE#: 6462  
 DATE ENTERED: 86-07-10  
 FILE NAME: GC86195  
 PAGE # : 7

PROJECT: GRANDEX  
 TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	-40 MESH	PPB Au
8	18S 7+20E		5
8	7+60E		5
8	8+00E		5
8	8+40E		5
8	8+80E		5
8	9+20E		5
8	9+60E		5
8	10+00E		5
8	10+40E		5
8	10+80E		5
8	11+20E		10
8	11+60E		5
8	18S 12+00E		5
8	16S BL	X	5
8	0+40E		5
8	0+80E		5
8	1+20E		5
8	1+60E		5
8	2+00E		5
8	2+40E		5
8	2+80E		5
8	3+20E		5
8	3+60E		5
8	4+00E		5
8	4+40E		5
8	4+80E		5
8	5+20E		5
8	5+60E		5
8	6+00E		5
8	6+40E		5
8	6+80E		5
8	7+20E		5
8	7+60E		5
8	8+00E		5
8	8+40E		5
8	8+80E		5
8	9+20E		5
8	9+60E		5
8	10+00E		5
8	16S 10+40E		5

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 BURNABY, B.C. V5B 3N1  
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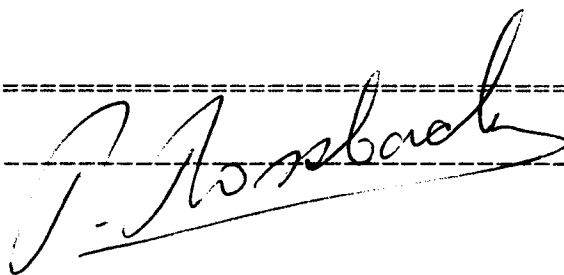
**CERTIFICATE OF ANALYSIS**

TO : GRANT CROOKIER  
 P.O. BOX 234  
 KEREMEDS, B.C.  
 PROJECT: GRANDEX  
 TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 86195  
 INVOICE#: 6462  
 DATE ENTERED: 86-07-10  
 FILE NAME: 0086195  
 PAGE # : 8

PRE FIX	SAMPLE NAME	-40 MESH	PPB Au
0	16S 10+80E		5
0	11+20E		5
0	11+60E		5
0	16S 12+00E		5
0	15S BL		5
0	0+40E		5
0	0+80E		5
0	1+20E		5
0	1+60E		5
0	2+00E		5
0	2+40E		5
0	2+80E		5
0	3+20E		5
0	3+60E		5
0	4+00E		5
0	4+40E		5
0	4+80E		5
0	5+20E		5
0	5+60E		5
0	6+00E		5
0	6+40E		5
0	6+80E		5
0	7+20E		5
0	7+60E		5
0	8+00E		5
0	8+40E		5
0	8+80E		5
0	9+20E		5
0	9+60E		5
0	10+00E		5
0	10+40E		5
0	10+80E		5
0	11+20E		5
0	11+60E		5
0	15S 12+00E		5
0	14S BL		5
0	0+20E		5
0	0+40E		5
0	1+20E		5
0	1+60E		5

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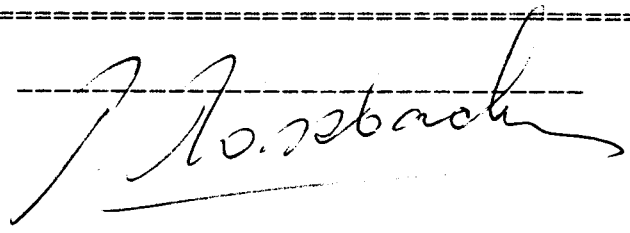
2225 S. SPRINGER AVENUE  
 BURNABY, B.C. V5B 3N1  
 TEL : (604) 299 - 6910

**CERTIFICATE OF ANALYSIS**

TO : MR. GRANT CROOKER,  
 P.O. BOX 234,  
 KEREMEOS, B.C.  
 PROJECT: GRANDEX RESOURCES.  
 TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 86160  
 INVOICE#: 6400  
 DATE ENTERED: 86-06-24  
 FILE NAME: GC86160  
 PAGE # : 1

PRE FIX	SAMPLE NAME	MESH -40	PPB Au
S	LOS 3+20W		5
S	3+60W		5
S	4+00W		5
S	4+40W		5
S	4+80W		20
S	5+20W		5
S	5+60W		5
S	6+00W		5
S	6+40W		5
S	LOS 6+80W		5
S	7+20W		5
S	7+60W		5
S	8+00W		5
S	8+40W		5
S	LOS 8+80W		5
S	L1S 3+20W		5
S	3+60W		5
S	4+00W		5
S	4+40W		5
S	L1S 4+80W		5
S	5+20W		5
S	5+60W		5
S	6+00W		5
S	6+40W		5
S	6+80W		5
S	7+20W		5
S	7+60W		5
S	8+00W	X	5
S	8+40W		5
S	L1S 8+80W		5
S	L1N BL		5
S	0+20W		10
S	0+40W		5
S	0+60W		5
S	0+80W		5
S	1+00W		5
S	1+20W		5
S	1+60W		5
S	1+80W		5
S	L1N 2+20W		5

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2225 S. SPRINGER AVENUE  
 BURNABY, B.C. V5B 3N1  
 TEL : (604) 299 - 6910

**CERTIFICATE OF ANALYSIS**

TO : MR. GRANT CROOKER,  
 P.O. BOX 234,  
 KEREMEOS, B.C.  
 PROJECT: GRANDEX RESOURCES.  
 TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 86160  
 INVOICE#: 6400  
 DATE ENTERED: 86-06-24  
 FILE NAME: GC86160  
 PAGE # : 2

RE FIX	SAMPLE NAME	MESH -40	PPB Au
5	L1N 2+40W		5
5	2+60W		5
5	2+80W		5
5	3+20W		5
5	3+60W		5
5	4+00W		5
5	4+40W		5
5	4+80W		5
5	5+20W		5
5	L1N 5+60W		5
5	6+00W		5
5	6+40W		5
5	6+80W		5
5	7+20W		5
5	7+60W		5
5	8+00W		5
5	8+40W		5
5	L1N 8+80W		5
5	L2S 3+60W		5
5	L2S 4+00W		5
5	4+40W		5
5	4+80W		5
5	5+20W		5
5	5+60W		5
5	6+00W		5
5	6+40W		5
5	6+80W		5
5	7+20W		5
5	7+60W		5
5	L2S 8+00W		5
5	8+40W		5
5	L2S 8+80W		5
5	L2N BL		5
5	0+20W		5
5	0+40W		5
5	0+60W		5
5	0+80W		5
5	1+00W		5
5	1+20W		5
5	L2N 1+40W		5

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*[Handwritten Signature]*



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 TEL : (604) 299 - 6910

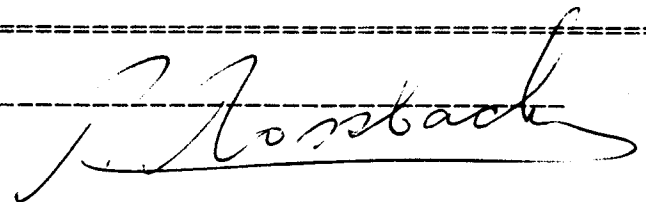
**CERTIFICATE OF ANALYSIS**

TO : MR. GRANT CROOKER,  
 P.O. BOX 234,  
 KEREMEOS, B.C.  
 PROJECT: GRANDEX RESOURCES.  
 TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 86160  
 INVOICE#: 6400  
 DATE ENTERED: 86-06-24  
 FILE NAME: GC86160  
 PAGE # : 3

PRE FIX	SAMPLE NAME	MESH -40	PPB Au
S	L2N 1+60W		5
S	2+00W		20
S	2+20W		10
S	2+40W		5
S	2+60W		5
S	2+80W		5
S	3+20W		5
S	3+60W		5
S	4+00W		10
S	4+40W		5
S	4+80W		5
S	5+00W		5
S	5+60W		5
S	6+20W		5
S	6+40W		5
S	6+80W		5
S	7+20W		5
S	7+60W		5
S	8+00W		5
S	8+40W		5
S	L2N 8+80W		5
S	L2N 0+20E		5
S	0+40E		5
S	0+60E		5
S	0+80E		5
S	1+00E		50
S	1+20E		5
S	1+40E		5
S	1+60E		5
S	2+00E		5
S	2+40E		80
S	2+60E		5
S	2+80E		5
S	3+00E		5
S	3+20E		5
S	3+60E		5
S	4+00E		5
S	4+40E		5
S	4+80E		5
S	L2N 5+00E	MISSING	

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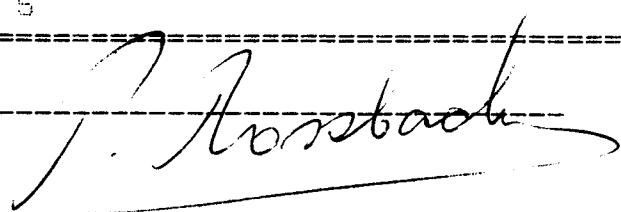
**CERTIFICATE OF ANALYSIS**

TO : MR. GRANT CROOKER,  
 P.O. BOX 234,  
 KEREMEOS, B.C.  
 PROJECT: GRANDEX RESOURCES.  
 TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 86160  
 INVOICE#: 6400  
 DATE ENTERED: 86-06-24  
 FILE NAME: GC86160  
 PAGE # : 4

PRE FIX	SAMPLE NAME	MESH -40	PPB Au
5	L2N 5+60E		5
5	6+20E		10
5	6+40E		10
5	6+80E		5
5	7+20E		5
5	7+60E		120
5	8+00E		5
5	11+60E		5
5	11+80E		5
5	12+00E		5
5	12+20E		5
5	12+40E		5
5	12+80E		5
5	13+20E		10
5	13+60E		5
5	14+00E		5
5	14+40E		5
5	14+80E		5
5	15+20E		5
5	15+60E		5
5	16+00E		5
5	3S BL		5
5	0+40W		5
5	0+80W		50
5	1+20W		10
5	1+60W		5
5	2+00W		5
5	2+20W		5
5	2+40W		5
5	2+60W		5
5	2+80W		5
5	3+20W		5
5	3+60W		5
5	4+00W		5
5	4+40W		5
5	4+80W		5
5	5+20W		5
5	5+60W		5
5	6+00W		5
5	6+40W		5

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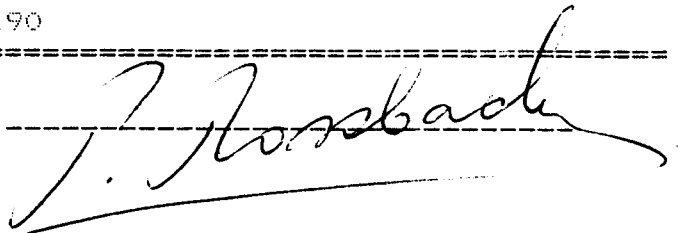
**CERTIFICATE OF ANALYSIS**

TO : MR. GRANT CROOKER,  
 P.O. BOX 234,  
 KEREMEOS, B.C.  
 PROJECT: GRANDEX RESOURCES.  
 TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 86160  
 INVOICE#: 6400  
 DATE ENTERED: 86-06-24  
 FILE NAME: GC86160  
 PAGE # : 5

PRE FIX	SAMPLE NAME	MESH -40	PPB Au
5	L3S 6+80W		5
5	7+20W		5
5	7+60W		5
5	8+00W		5
5	8+40W		5
5	8+80W		5
5	L3N BL		5
5	0+40W		5
5	0+80W		5
5	1+20W		5
5	1+60W		5
5	2+00W		5
5	2+40W		5
5	2+80W		5
5	3+20W		5
5	3+60W		5
5	4+00W		5
5	4+40W		5
5	4+80W		5
5	5+20W		5
5	5+60W		5
5	6+00W		5
5	6+40W		5
5	6+80W		5
5	7+20W		5
5	7+60W		5
5	8+00W		40
5	8+40W		5
5	L3N 8+80W		5
5	L3N 0+40E		5
5	0+80E		5
5	1+20E		20
5	1+60E		5
5	2+00E		5
5	2+40E		10
5	2+80E		70
5	3+20E		10
5	3+60E		5
5	4+00E		5
5	L3N 4+40E		190

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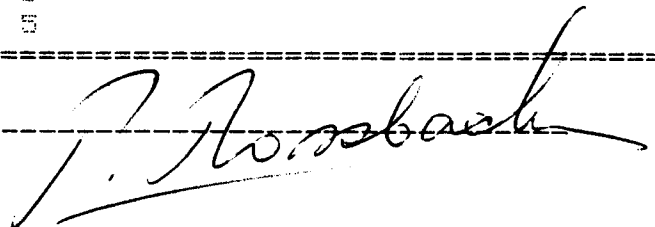
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TO : MR. GRANT CROOKER,  
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 PROJECT: GRANDEX RESOURCES.  
 TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 86160  
 INVOICE#: 6400  
 DATE ENTERED: 86-06-24  
 FILE NAME: GC86160  
 PAGE # : 6

PRE FIX	SAMPLE NAME	MESH -40	PPB Au
	L3N	4+80E	100
		5+20E	5
		5+60E	5
		6+00E	5
		6+40E	5
		6+80E	5
		7+20E	5
		7+60E	5
		8+00E	5
		8+40E	5
		8+80E	5
		9+20E	5
		9+60E	5
		10+00E	5
		10+40E	5
		10+80E	5
		11+20E	5
		11+60E	5
		12+00E	5
		12+40E	5
		12+80E	5
		13+20E	5
		13+60E	5
		14+00E	5
		14+40E	5
		14+80E	5
		15+20E	5
		15+60E	5
	L3N	16+00E	30
	L4N	BL	5
		0+40W	5
		0+80W	5
		1+20W	5
		1+60W	5
		2+00W	5
		2+40W	5
		2+80W	40
		3+20W	5
		3+60W	5
	L4N	4+00W	5

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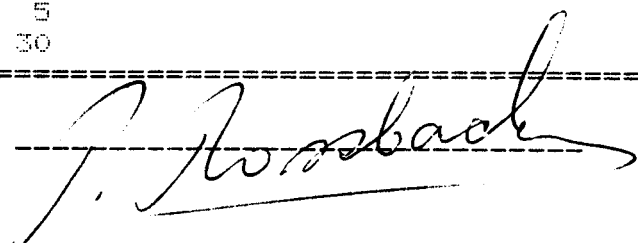
**CERTIFICATE OF ANALYSIS**

TO : MR. GRANT CROOKER,  
 P.O. BOX 234,  
 KEREMEOS, B.C.  
 PROJECT: GRANDEX RESOURCES.  
 TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 86160  
 INVOICE#: 6400  
 DATE ENTERED: 86-06-24  
 FILE NAME: GCB6160  
 PAGE # : 7

PRE FIX	SAMPLE NAME	MESH -40	PPB Au
5	L4N 4+40W		5
5	4+80W		5
5	5+20W		5
5	5+60W		5
5	6+00W		5
5	6+40W		5
5	6+80W		5
5	7+20W		5
5	7+60W		5
5	8+00W		5
5	8+40W		5
5	L4N 8+80W		5
5	L4N 0+20E		5
5	0+40E		5
5	0+60E		5
5	0+80E		5
5	1+00E	X	5
5	1+20E		5
5	1+40E		10
5	1+60E		5
5	1+80E		5
5	2+00E		5
5	2+40E		5
5	2+80E		5
5	3+20E		5
5	3+60E		5
5	4+00E		140
5	4+40E		660
5	4+80E		5
5	5+20E		5
5	5+60E		5
5	6+00E		5
5	6+40E		5
5	6+80E		5
5	7+20E		5
5	7+60E		5
5	8+00E		5
5	8+40E		5
5	L4N 8+80E		5
5	L5N BL		30

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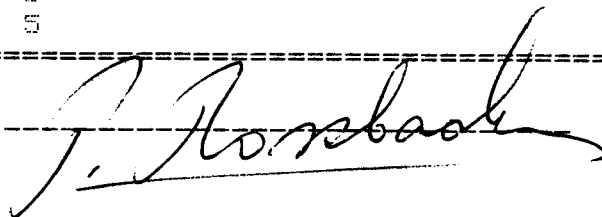
TO : MR. GRANT CROOKER,  
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 KEREMEOS, B.C.

CERTIFICATE#: 86160  
 INVOICE#: 6400  
 DATE ENTERED: 86-06-24  
 FILE NAME: GC86160  
 PAGE # : 8

PROJECT: GRANDEX RESOURCES.  
 TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	MESH -40	PPB Au
S	LSN 0+20W		380
S	0+40W		2360
S	0+60W		5500
S	0+80W		3900
S	1+20W		10
S	1+40W		80
S	1+60W	X	5
S	1+80W	X	5
S	2+00W		5
S	2+20W		5
S	2+40W		5
S	2+60W		5
S	2+80W		5
S	3+20W		5
S	3+60W		5
S	4+00W		5
S	4+40W		5
S	4+80W		5
S	5+20W		5
S	5+60W		5
S	6+00W		5
S	6+40W		5
S	6+80W		5
S	7+20W		5
S	7+60W		5
S	8+00W		5
S	8+40W		5
S	LSN 8+80W		5
S	LSN 0+40E		5
S	0+80E		200
S	1+20E		5
S	1+60E		60
S	2+00E		5
S	2+40E		20
S	2+80E		5
S	3+20E		170
S	3+60E		5
S	4+00E		5
S	4+40E		5
S	LSN 4+80E		5

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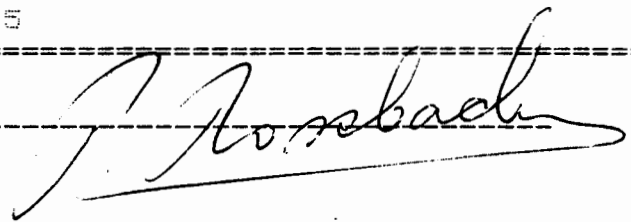
**CERTIFICATE OF ANALYSIS**

TO : MR. GRANT CROOKER,  
 P.O. BOX 234,  
 KEREMEOS, B.C.  
 PROJECT: GRANDEX RESOURCES.  
 TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 86160  
 INVOICE#: 6400  
 DATE ENTERED: 86-06-24  
 FILE NAME: GC86160  
 PAGE # : 9

PRE FIX	SAMPLE NAME	MESH -40	PPB Au
S	LSN 5+20E		5
S	5+60E		60
S	6+00E		5
S	6+40E		5
S	6+80E		5
S	7+20E		5
S	7+60E		5
S	8+00E		5
S	8+40E		5
S	LSN 8+80E		10
S	6N BL		5
S	0+20W		5
S	0+40W		5
S	0+60W		5
S	0+80W		5
S	1+00W		5
S	1+70W		5
S	1+80W		5
S	1+90W		5
S	0+20E		5
S	0+40E		240
S	0+60E		5
S	0+80E		5
S	1+00E		10
S	1+20E		5
S	1+40E		5
S	1+60E		5
S	1+80E		5
S	2+00E		10
S	2+20E		20
S	2+40E		5
S	7N 9+00E		5
S	9+40E		5
S	9+80E		5
S	10+20E		5
S	10+60E		5
S	11+00E		5
S	11+40E		5
S	11+80E		5
S	7N 12+20E		5

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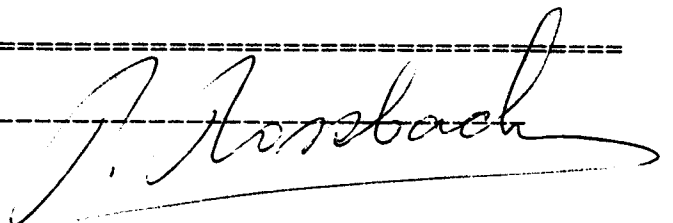
CERTIFICATE OF ANALYSIS

TO : MR. GRANT CROOKER,  
P.O. BOX 234,  
KEREMEOS, B.C.  
PROJECT: GRANDEX RESOURCES.  
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 86160  
INVOICE#: 6400  
DATE ENTERED: 86-06-24  
FILE NAME: GCB6160  
PAGE # : 10

PRE FIX	SAMPLE NAME	MESH -40	PPB Au
5	L7N 12+60E		5
5	13+00E		5
5	13+40E		5
5	13+80E		5
5	14+20E		5
5	14+60E		5
5	15+00E		5
5	15+40E		5
5	15+80E		5
5	16+20E		5
5	16+60E		5
5	17+00E		5
5	17+40E		5
5	17+80E		5
5	18+20E		5
5	18+60E		5
5	19+00E		5
5	19+40E		5
5	19+80E		5
5	20+20E		5
5	20+40E		5
5	20+80E		5
5	21+20E		5
5	21+60E		5
5	L7N 22+00E		5

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TO : GRANT CROOKER  
 P.O. BOX 234  
 KEREMEOS, B.C.  
 PROJECT: GRANDX  
 TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 86168  
 INVOICE#: 6434  
 DATE ENTERED: 86-07-04  
 FILE NAME: GC86168  
 PAGE # : 1

PRE FIX	SAMPLE NAME	PPB Au
S	1N 0+20E	40
S	0+40E	10
S	0+60E	5
S	0+80E	5
S	1+00E	5
S	1+20E	5
S	1+60E	5
S	2+00E	5
S	2+40E	5
S	2+80E	5
S	3+20E	5
S	3+60E	5
S	4+00E	5
S	4+40E	5
S	4+80E	5
S	5+20E	5
S	5+60E	5
S	6+00E	5
S	6+40E	5
S	1N 6+80E	5
S	7+20E	5
S	7+60E	5
S	8+00E	5
S	8+40E	5
S	8+80E	5
S	9+20E	5
S	9+60E	5
S	10+00E	5
S	10+40E	5
S	10+80E	5
S	11+20E	5
S	11+60E	5
S	12+00E	870
S	12+40E	5
S	12+80E	5
S	13+20E	5
S	13+60E	5
S	14+00E	5
S	14+40E	10
S	1N 14+80E	5

CERTIFIED BY :

*L. Rossbacher*

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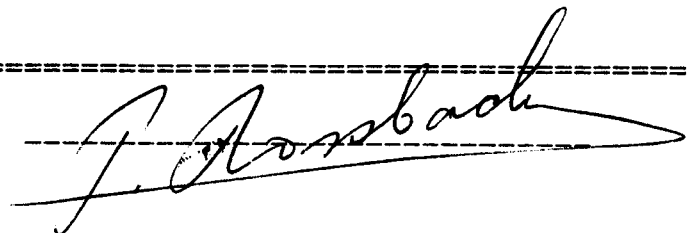
**CERTIFICATE OF ANALYSIS**

TO : GRANT CROOKER  
 P.O. BOX 234  
 KEREMEOS, B.C.  
 PROJECT: GRANDEX  
 TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 86168  
 INVOICE#: 6434  
 DATE ENTERED: 86-07-04  
 FILE NAME: GC86168  
 PAGE # : 2

PRE FIX	SAMPLE NAME	PPB Au
5	1N 15+20E	5
5	15+60E	5
5	16+00E	5
5	4N 9+20E	5
5	9+60E	5
5	10+00E	5
5	10+40E	5
5	10+80E	5
5	11+20E	5
5	11+60E	5
5	12+00E	40
5	12+40E	5
5	12+80E	5
5	13+20E	5
5	13+60E	5
5	14+00E	5
5	14+40E	20
5	14+80E	5
5	15+20E	5
5	15+60E	20
5	4N 16+00E	5
5	5N 9+00E	5
5	9+40E	5
5	9+80E	5
5	10+20E	5
5	10+60E	5
5	11+00E	5
5	11+40E	5
5	11+80E	5
5	12+20E	5
5	12+60E	5
5	13+00E	5
5	13+40E	5
5	13+80E	350
5	14+20E	5
5	14+60E	5
5	15+00E	5
5	15+40E	5
5	15+80E	5
5	5N 16+20E	5

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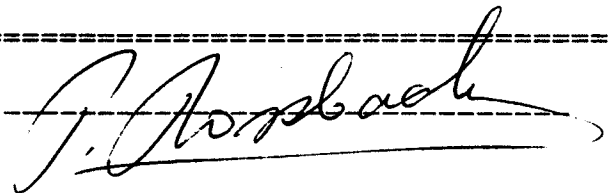
TO : GRANT CROOKER  
 P.O. BOX 234  
 KEREMEOS, B.C.

CERTIFICATE#: 86168  
 INVOICE#: 6434  
 DATE ENTERED: 86-07-04  
 FILE NAME: GC86168  
 PAGE # : 3

PROJECT: GRANDEX  
 TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	PPB Au
S	5N 16+60E	5
S	17+00E	5
S	17+40E	5
S	17+80E	5
S	18+20E	5
S	18+60E	5
S	19+00E	5
S	19+40E	5
S	19+80E	5
S	20+20E	5
S	20+60E	5
S	21+00E	5
S	21+40E	5
S	5N 21+80E	5
S	6N 9+00E	5
S	9+40E	5
S	9+80E	5
S	10+20E	5
S	10+60E	5
S	11+00E	5
S	11+40E	5
S	11+80E	5
S	12+20E	5
S	12+60E	5
S	13+00E	5
S	13+40E	5
S	13+80E	5
S	14+20E	5
S	14+60E	5
S	15+00E	5
S	15+40E	10
S	15+80E	5
S	16+20E	5
S	16+60E	5
S	17+00E	5
S	17+40E	5
S	17+80E	5
S	18+20E	70
S	18+60E	5
S	6N 19+00E	5

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**CERTIFICATE OF ANALYSIS**

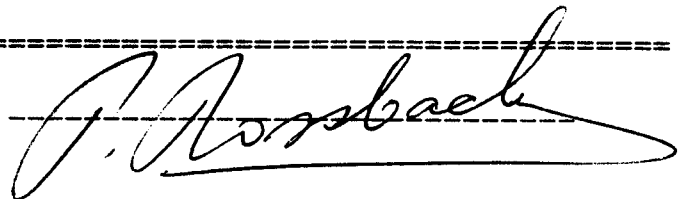
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CERTIFICATE#: 86168  
 INVOICE#: 6434  
 DATE ENTERED: 86-07-04  
 FILE NAME: GC86168  
 PAGE # : 4

PROJECT: GRANDEX  
 TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	PPB Au
S	6N 19+40E	5
S	19+80E	5
S	20+20E	5
S	20+60E	5
S	21+00E	5
S	21+40E	5
S	21+80E	5
S	BN 9+00E	5
S	9+40E	5
S	9+80E	5
S	10+20E	5
S	10+60E	5
S	11+00E	10
S	11+40E	5
S	11+80E	5
S	12+20E	5
S	12+60E	5
S	13+00E	5
S	13+40E	5
S	13+80E	5
S	14+20E	5
S	14+60E	5
S	15+00E	5
S	15+40E	5
S	15+80E	5
S	16+20E	5
S	16+60E	5
S	17+00E	5
S	17+40E	5
S	17+80E	5
S	18+20E	5
S	18+60E	5
S	19+00E	5
S	19+40E	5
S	19+80E	10
S	20+20E	5
S	20+60E	5
S	21+00E	5
S	21+40E	5
S	BN 21+80E	5

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 TEL : (604) 299 - 6910

**CERTIFICATE OF ANALYSIS**

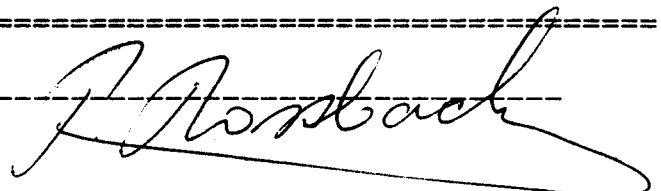
TO : GRANT CROOKER  
 P.O. BOX 234  
 KEREMEOS, B.C.

CERTIFICATE#: 86168  
 INVOICE#: 6434  
 DATE ENTERED: 86-07-04  
 FILE NAME: GC86168  
 PAGE # : 5

PROJECT: GRANDEX  
 TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	PPB Au
S	0 12+20E	5
S	12+60E	5
S	13+00E	5
S	13+40E	5
S	13+80E	5
S	14+20E	5
S	14+60E	5
S	15+00E	5
S	15+40E	5
S	0 15+80E	5
S	1S 12+20E	5
S	12+60E	5
S	13+00E	5
S	13+40E	5
S	13+80E	5
S	14+20E	5
S	14+60E	5
S	3S 12+00E	5
S	15+40E	5
S	1S 15+80E	5
S	3S 0+40E	5
S	0+80E	5
S	1+20E	5
S	1+60E	5
S	2+00E	5
S	2+40E	5
S	2+80E	5
S	3+20E	5
S	3+60E	5
S	4+00E	5
S	4+40E	5
S	4+80E	5
S	5+20E	5
S	5+60E	5
S	6+00E	5
S	10+80E	5
S	11+20E	5
S	11+60E	5
S	3S 12+00E	5

CERTIFIED BY :

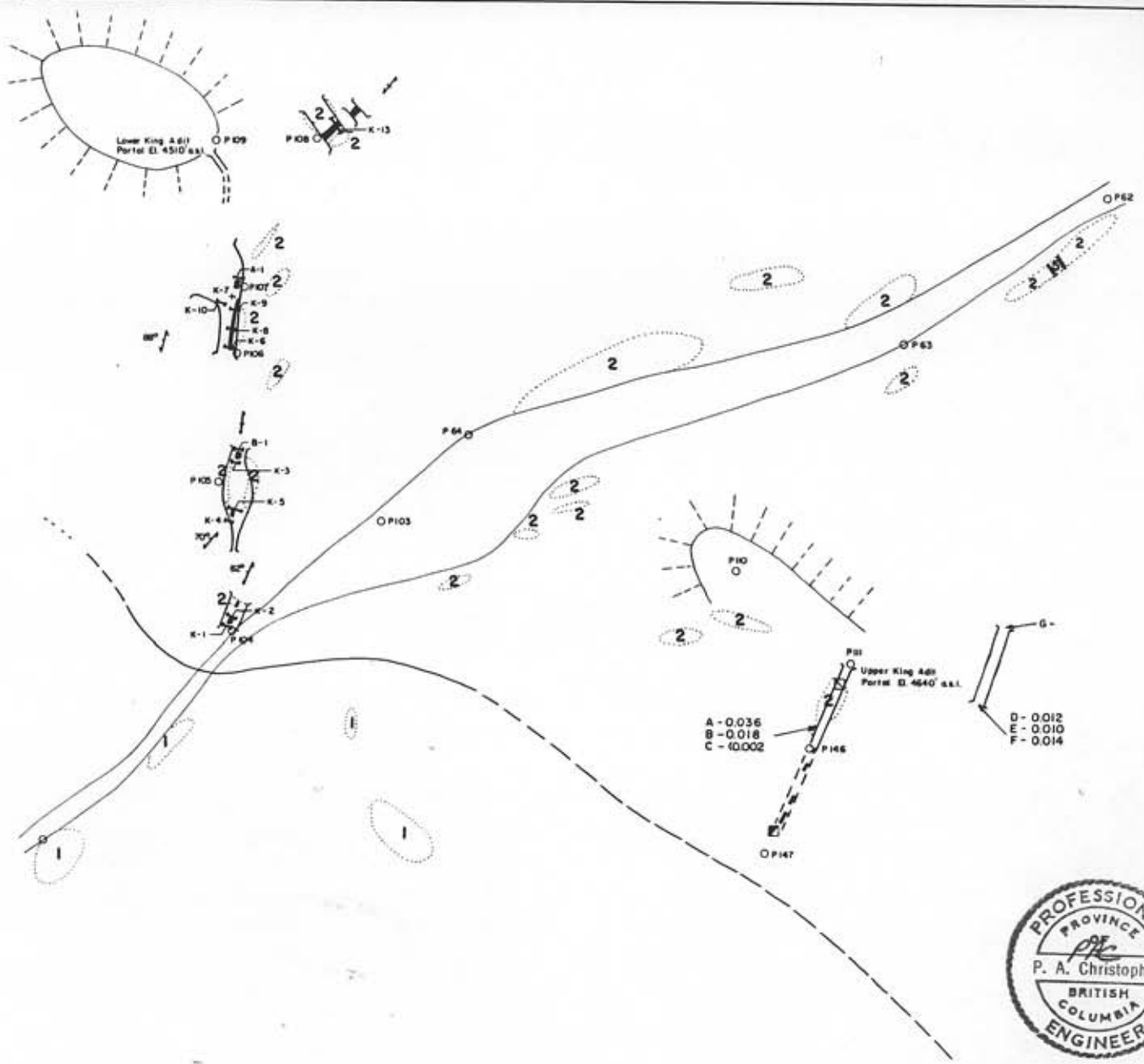


APPENDIX E

PLATES

PLATE #2 KING SHOWING

PLATE #3 MILL ADIT



SAMPLE PLAN				
Sample No.	Width m.	Gold g/ton	Silver g/ton	Material
K-1	1.5	0.006	0.01	quartz
K-2	1.8	0.004	0.01	-
K-3	1.5	0.038	0.01	quartz, py
K-4	grab	0.080	0.06	wellback, py
K-5	2.5	0.025	0.01	quartz, py
K-6	0.8	0.012	0.01	-
K-7	grab	2.20	1.30	raggy quartz, rusty
K-8	1.0	1.08	0.84	-
K-9	1.0	0.350	0.60	-
K-10	1.0	0.005	0.01	quartz veinlets
K-13	1.1	0.015	0.01	quartz
A-1	1.0	0.097	-	quartz, py
B-1	1.7	0.083	0.10	-

- LEGEND**
- Survey point
  - ▭ Adit
  - ▭ Winze
  - ▭ Shaft
  - ▭ Trench
  - ⋯ Outcrop boundary
  - Quartz vein
  - 30° Strike and dip of vein (inclined, vertical)
  - ⊕ Chip sample location
  - ⊕ Grab
  - ⊕ Rock dump
  - ▭ Road
  - - - Geological boundary (defined, approx, assumed)
- F-0014 1986 sample - Au ag/ton

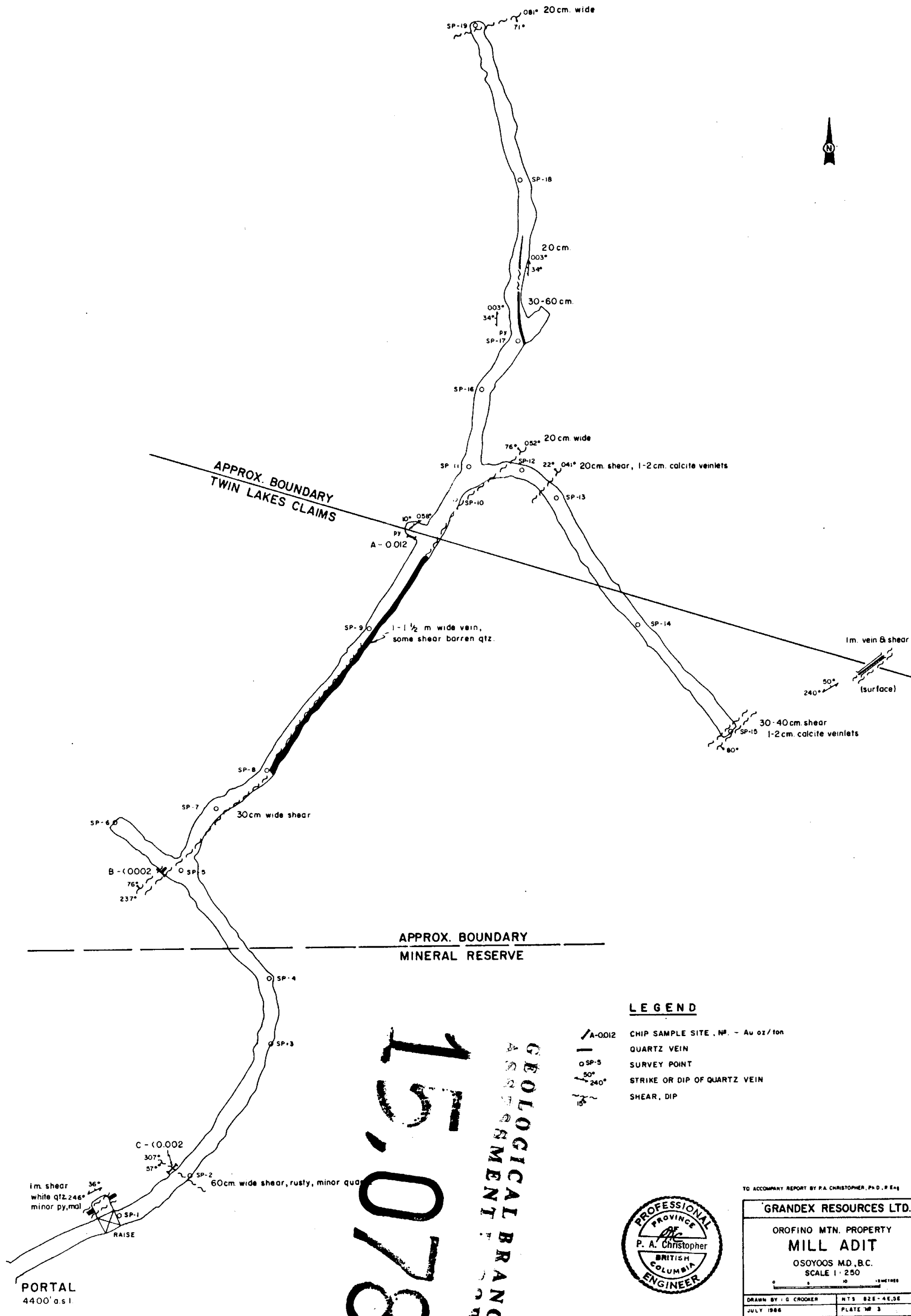
- 1 Quartzite
- 2 Diorite, Gabbro
- 5 Granitic dyke








**GRANDEX RESOURCES LTD.**

**GEOLOGY & SAMPLE PLAN**  
**KING SHOWING**  
 OROFINO MTN. PROPERTY  
 OSOYOOS M.D., B.C.  
 SCALE 1:500

DRAWN BY: G. CROOKER      NTS 82E-4E3E  
 DATE: JULY 1986              PLATE NO. 2



**LEGEND**

-  A-0012 CHIP SAMPLE SITE, N<sup>o</sup>. - Au oz/ton
-  QUARTZ VEIN
-  SP-5 SURVEY POINT
-  50° 240° STRIKE OR DIP OF QUARTZ VEIN
-  15° SHEAR, DIP



TO ACCOMPANY REPORT BY P.A. CHRISTOPHER, Ph.D., P.E.

**GRANDEX RESOURCES LTD.**

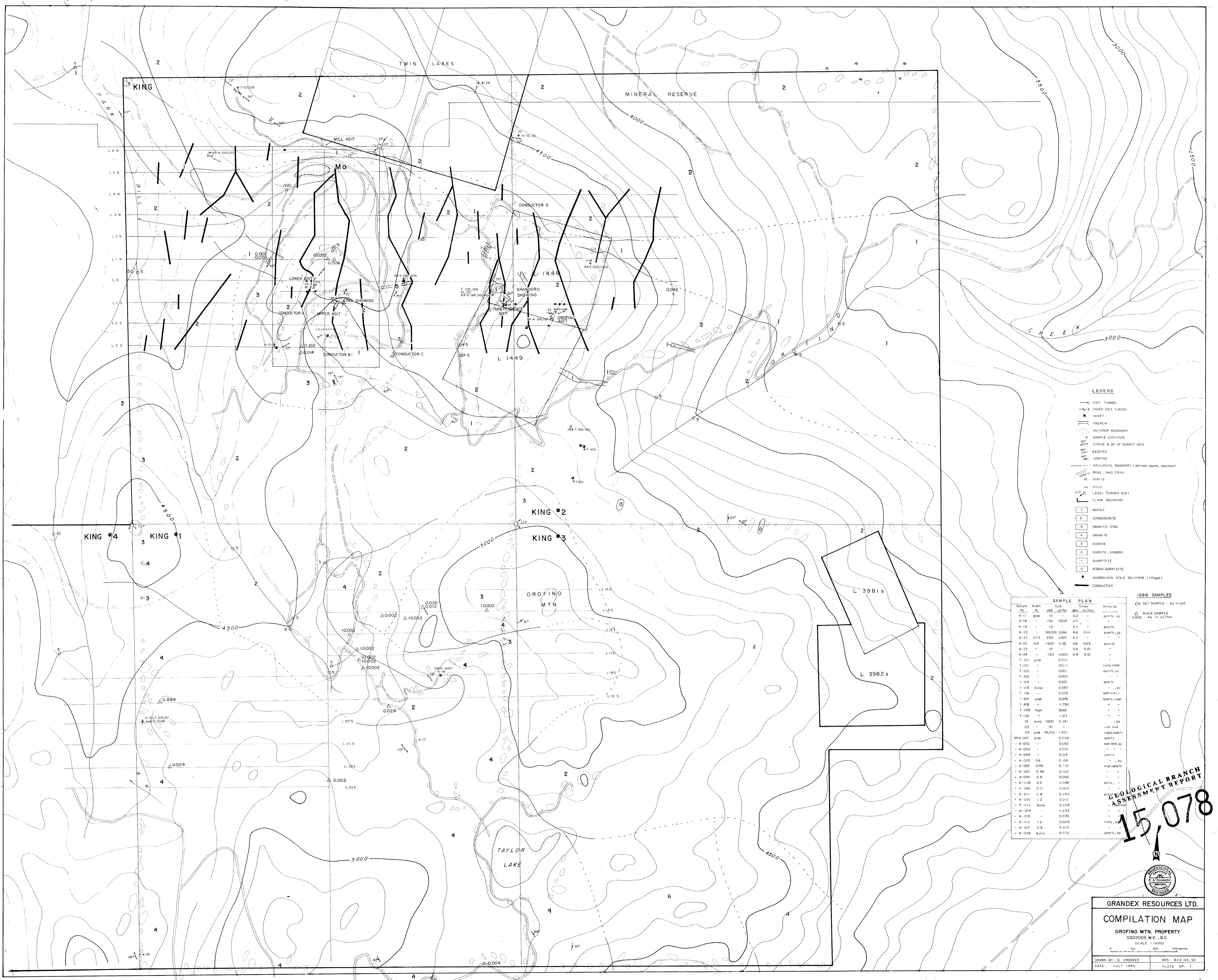
OROFINO MTN. PROPERTY  
**MILL ADIT**  
OSOYOOS M.D., B.C.  
SCALE 1:250

DRAWN BY: G. CROOKER      NTS: 82E-4E, 3E  
JULY 1986      PLATE N<sup>o</sup> 3

**15,078**  
GEOLOGICAL BRANCH  
ASSURANCE DEPARTMENT

PORTAL  
4400' a.s.l.





- LEGEND**
- ADIT TUNNEL
  - CAVED ADIT TUNNEL
  - SHAFT
  - TRENCH
  - OUTCROP BOUNDARY
  - SAMPLE LOCATION
  - STRIKE & DIP OF QUARTZ VEIN
  - BEDDING
  - JOINTING
  - GEOLOGICAL BOUNDARY (defined, approx., assumed)
  - ROAD, SKID TRAIL
  - PIVITE
  - GOLD
  - LEGAL TURNER POST
  - CLAIM BOUNDARY
  - 7 BASALT
  - 6 GRANODIORITE
  - 5 GRANITIC DYKE
  - 4 GRANITE
  - 3 DIORITE
  - 2 DIORITE, GABBRO
  - 1 QUARTZITE
  - 0 KOBAN QUARTZITE
  - ANOMALOUS GOLD GELICHEM (10 ppb)
  - CONDUCTOR

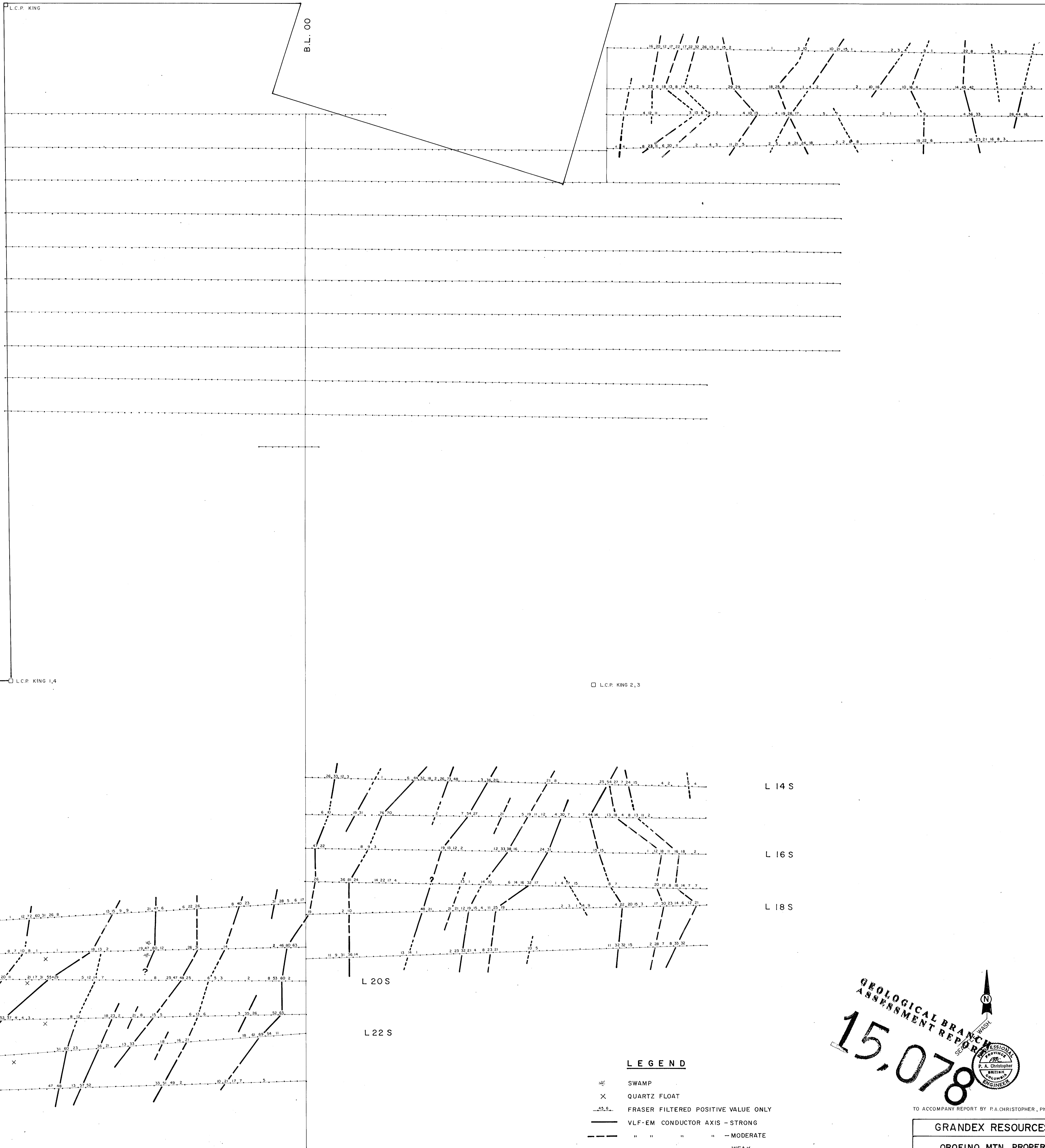
**1986 SAMPLES**

Sample No.	Width	Gold	Silver	Material		
K-17	grab	10	0.2	quartz, py		
K-18	150	0.004	0.2	quartz		
K-19	10	0.2	-	quartz		
K-20	30200	0.560	4.6	quartz, py		
K-21	0.75	250	0.007	0.2	quartz	
K-22	0.4	1600	0.05	0.8	0.02	quartz
K-23	10	-	0.4	0.01	-	
K-24	180	0.005	0.4	0.01	-	
T-100	grab	0.001	-	-		
T-101	-	0.01	-	rusty shear		
T-102	-	0.001	-	quartz, py		
T-103	-	0.003	-	quartz		
T-104	-	0.001	-	quartz		
T-105	dump	0.367	-	py		
T-106	-	0.100	-	well rock, py		
T-107	grab	0.078	-	quartz, vugs		
T-108	-	1.750	-	-		
T-109	heap	0.009	-	-		
T-110	-	1.127	-	-		
01	dump	4800	0.141	py		
02	-	30	-	sil rock		
03	grab	46200	1.350	well rock, quartz		
84 K-001	grab	0.008	-	quartz		
K-002	-	0.082	-	well rock, py		
K-003	-	0.010	-	-		
K-004	-	0.014	-	quartz		
K-005	0.6	0.160	-	py		
K-006	0.45	0.130	-	vug, quartz		
K-007	0.45	0.122	-	-		
K-008	0.6	0.066	-	-		
K-009	0.6	0.006	-	-		
K-010	0.5	0.010	-	white, -		
K-011	0.8	0.146	-	quartz, vugs		
K-012	1.0	0.012	-	-		
K-013	dump	0.038	-	-		
K-014	-	2.254	-	-		
K-015	-	0.070	-	-		
K-016	1.2	0.026	-	rusty, py		
K-017	0.8	0.010	-	quartz, py		
K-018	dump	0.126	-	-		

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**  
**15,078**

**GRANDEX RESOURCES LTD.**  
**COMPILATION MAP**  
OROFINO MTN. PROPERTY  
OSYOOS M.D., B.C.  
SCALE 1:5000

DRAWN BY: G. CROOKER      NTS: 02-E-4E, 5E  
DATE: JULY 1986              PLATE NO. 1



PROPERTY BOUNDARY

L.C.P. KING 1,4

L.C.P. KING 2,3

**LEGEND**

- H- SWAMP
- X QUARTZ FLOAT
- 55.5- FRASER FILTERED POSITIVE VALUE ONLY
- VLF-EM CONDUCTOR AXIS - STRONG
- - - " " " " - MODERATE
- · · " " " " - WEAK

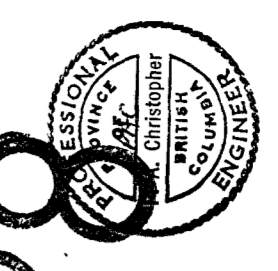
TRANSMITTER : NLK 24.8 KHz , SEATTLE , WASHINGTON .

GEOLOGICAL BRANCH  
 ASSESSMENT REPORT  
**15,078**  
 P. A. CHRISTOPHER  
 BRITISH COLUMBIA  
 ENGINEER

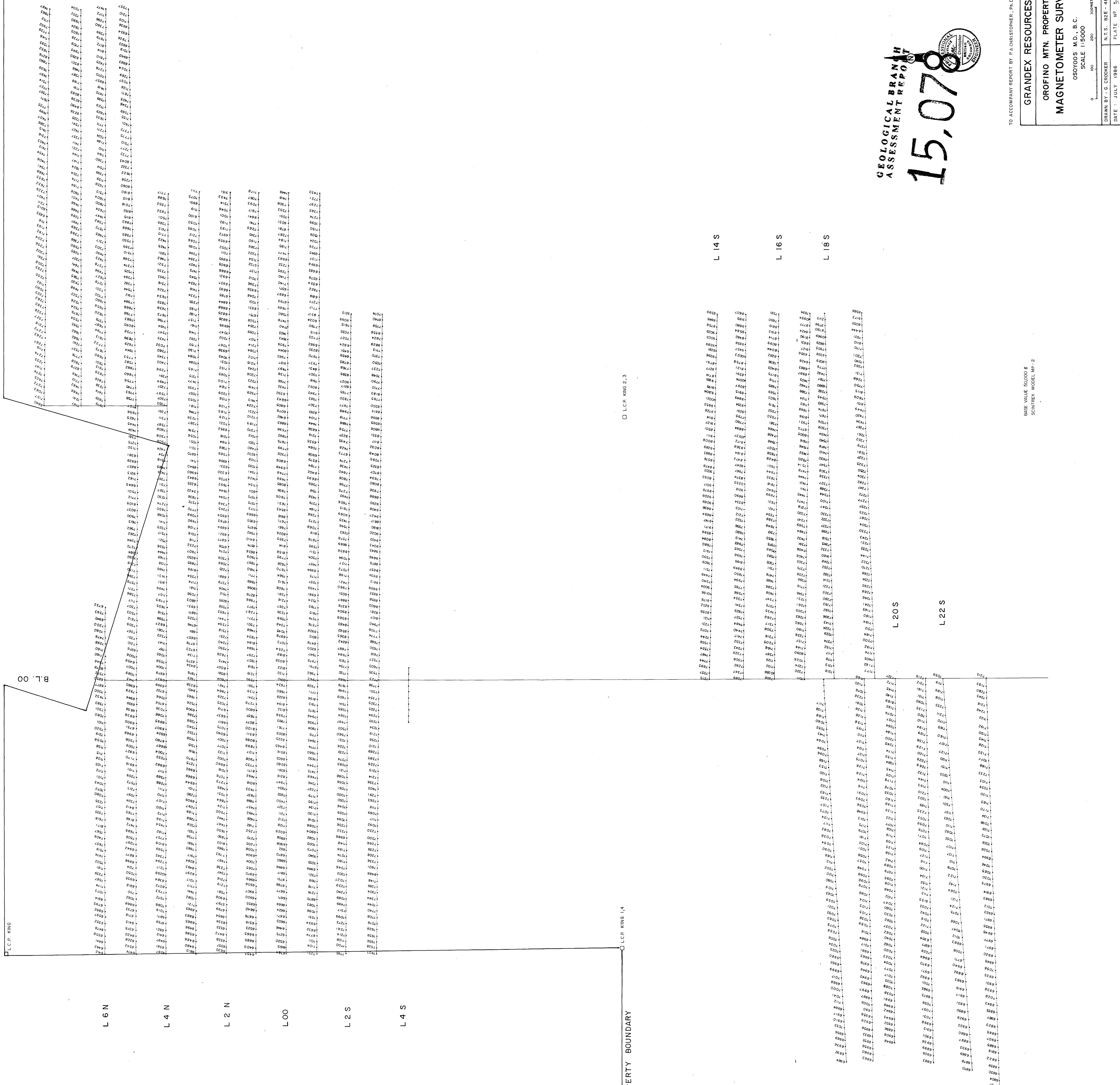
TO ACCOMPANY REPORT BY P.A. CHRISTOPHER, Ph.D., P.Eng.

**GRANDEX RESOURCES LTD.**  
**OROFINO MTN. PROPERTY**  
**VLF-EM FRASER FILTERED**  
 OSOYOOS M.D., B.C.  
 SCALE 1:5000  
 0 100 200 300 METRES  
 DRAWN BY : G. CROOKER      N.T.S. 82E-4E, 5E  
 DATE : JULY 1986              (PLATE NR. 4)

GEOLOGICAL BRANCH  
 ASSESSMENT REPORT  
 15,078



BASE VALUE 50000 &  
 SCINTEX MODEL IMP-2



PROPERTY BOUNDARY

L.C.P. KING 1,4

L.C.P. KING 2,3



PROPERTY BOUNDARY

□ L.C.P. KING 2,3

L 14 S

L 16 S

L 18 S

L 20 S

L 22 S

GEOLOGICAL BRANCH  
ASSESSMENT REPORT  
15,078

TO ACCOMPANY REPORT BY P.A. CHRISTOPHER, Ph.D., P.Eng.

GRANDEX RESOURCES LTD.	
OROFINO MTN. PROPERTY GOLD IN PPB	
OSOYOOS M.D., B.C. SCALE 1:5000	
0 100 200 300 METRES	
DRAWN BY: G. CROOKER	N.T.S. 82E-4E, 5E
DATE: JULY 1986	PLATE NO. 6