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REPORT ON  
GEOPHYSICAL SURVEYS  
BLACK PRINCE PROJECT  
SLOCAN MINING DIVISION, BRITISH COLUMBIA.  
N.T.S. 82F/14W

FOR  
PACIFIC GOLDEN SPIKE RESOURCES LTD.  
VANCOUVER, BRITISH COLUMBIA.

SUB-RECORDER  
RECEIVED  
OCT 01 1993  
B.C.

BY  
F.J.R. SYBERG  
GEOPHYSICIST

JULY 20, 1993.

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

23,054

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### Appendix:

"A" List of geophysical measurements; Seattle-Hawaii

"A" List of geophysical measurements; Seattle-Hawaii

Enclosures-E. M. -VLF-Maps

PROPERTY

The property consists of five reverted Crown Grants collectively known as the Black Prince Group, and two unit blocks of claims, the AG and the Early.

North of the Slocan Prince claim, a single Crown Grant, the Montreal, is totally enclosed by the subject claims and is owned by a third, unrelated, party. This claim has no known showings but is underlain by the projected extension of the Black Prince vein.

The claims, subject of this report, are as follows:

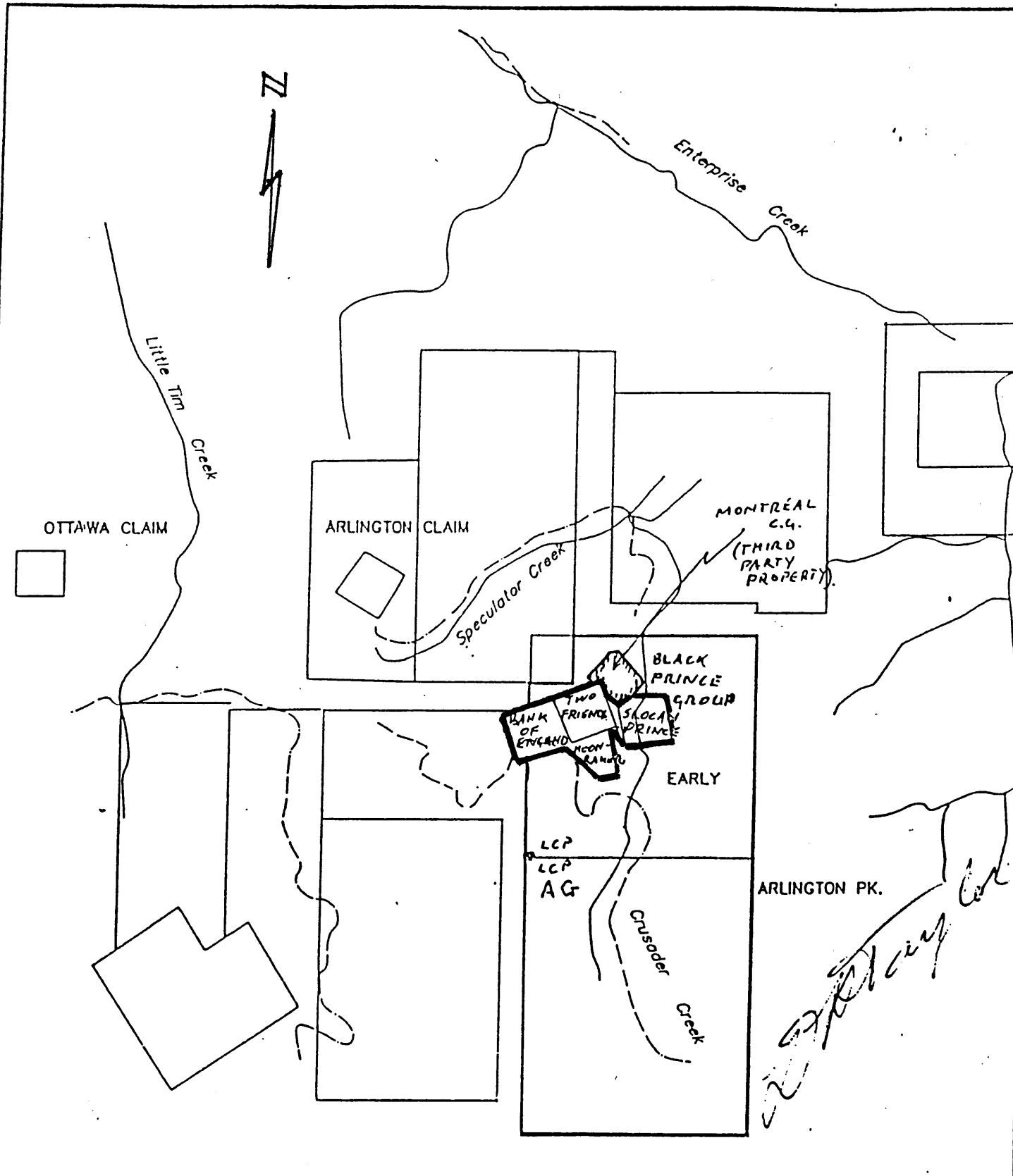
<u>NAME</u>	<u>NUMBER</u>	<u>EXPIRY DATE</u>
Early (16 units)	256237	July 22, 1993
AG (20 units)	314462	November 1, 1993
Bank of England	Lot 2214)	November 15, 1993
Two Friends	Lot 1020)	
Slocan Prince	Lot 582 )	All in Mineral
Moonraker	Lot 8939)	Lease No. 243
Black Prince Fr.	Lot 584 )	(Now Mining Lease 414)

The AG claim was restaked in 1992 on the expiry of the old claim and is held by Bill of Sale to Pacific Golden Spike Resources Ltd.

Taxes and assessment filings have the claims in good standing. All filings are in the Slocan Mining Division, British Columbia.

HISTORY

The entire Slocan area has an extensive history of silver-lead-zinc production, gold production is recorded from many of the old workings in what is now Kokanee Glacier Park.



PACIFIC GOLDEN SPIKE RESOURCES LTD.			
BLACK PRINCE CLAIM SLOCAN M.D.			
<i>CLAIM MAP</i>			
SCALE	DATE	BY	REVISION

Silver ores in the area are often from relatively small tonnages of high (300 ounces/ton plus) grade argentiferous galena.

Records show the Black Prince Group to have been worked continuously from 1898 to 1906 and from 1912 to 1922. In 1969 the No. 4 drift was driven for 160 feet on the projection of the Black Prince vein.

The MINDEP file reports production from 1898 to 1970 as 1,930 tons of ore (presumably hand-cobbed) which yielded 196,351 ounces of silver. No gold is noted in any of the records as having been recovered.

During the 1970's various leasees held the property but there is no record or evidence of any shipments from the property. Minor work was performed on the property in the early 1980's for assessment purposes until the lower extension of the Black Prince vein was opened by extending the No. 4 adit in 1985. This work was subsequently extended with negative silver returns but with good structure for 160 feet.

The extension of the No. 4 drift although completed by 160 feet in 1985 prior to the formal acquisition of the property by the Company, was financed by Pacific Golden Spike Resources Ltd.

Sampling of the dumps from the Black Prince workings, discussed later in this report, were conducted in late 1987. Road maintenance, bridge building and general assessment requirements have maintained the property since 1988.

### REGIONAL GEOLOGY

The Black Prince Group area is almost entirely underlain by Mesozoic Nelson Plutonic porphyritic granites. Minor intrusions of Valhalla Plutonic granites and granodiorites are noted north of Enterprise Creek.

Minor remnants of Triassic Slocan Group sediments and metasediments are also found in the area.

Historically in this area mineralization is found associated with major gash-shears in the Nelson Plutonics in lead-zinc lenses in shear gouge.

### PROPERTY GEOLOGY

Rocks observed on the Black Prince property were predominantly coarse-grained porphyritic Nelson plutonics. A fairly dark, possibly more basic phase of the above was noted in ore-carrying areas. Minor felsic and trap dyking was also noted.

Lead-zinc mineralization is confined to several very obvious shear zones and associated crushed areas. Zones of mineralization up to 35 feet (10 meters) wide have been reported. Mineralization tends to be associated with minor quartz and siderite and consists of galena, sphalerite, minor chalcocite, pyrite, tetrahedrite and native silver. Assays of over 400 oz/ton silver have been reported from the property.

The latest inspection of the property revealed that all the portals on the property are currently caved and all workings are inaccessible. The loose glacial patina on the property is subject to slumping for the first 20-40 feet of underground openings.

During the previous inspections, the writer has entered the Black Prince #2 crosscut for 400 feet (1988) before encountering a back cave that prohibited further inspection and the Black Prince No. 4 drift (1988) where the walls and face were sampled with negative results -

The structure at the point of sampling is a 3-5 cm wide vertical shear in the granites. Both drifts are now caved at the portal and the No. 2 is flooded to a depth of five feet at the portal.

As he appears to be the last qualified person to inspect the workings in reasonable condition, Mr. Cairnes is quoted from his 1935 report on the property:

"BLACK PRINCE CLAIM GROUP WORKINGS"

"The workings comprise seven or more crosscut adits driven northerly to northwesterly and distributed from west to east across the group. They are mostly inaccessible or partly so. The more recent work has been done on the Slocan Prince and Black Prince fraction.

"The workings develop, principally, two sheared, fissure-vein lodes which may be referred to as the North and South lodes. The North lode outcrops on both the Bank of England and the Two Friends claims, and has been traced for 1,500 feet along an easterly

direction almost parallel with the north and south boundaries of these claims. It is reached by two adits on what is judged to be the Bank of England claim and farther east by two or three adits on the Two Friends claim.

"The upper adit of the two western adits has been driven from a point above the road and about 200 feet east of the trail that leads south down Crusader Creek. This adit is caved. The other adit, driven from a point below the road and 485 feet of the upper adit, encounters the lode where it is about 18 inches wide between solid granite walls. The lode strikes 60 degrees to north and 70 degrees east and dips steeply to the north. Mineralization is nearly continuous along the drift which is several hundred feet long and consists of quartz with some calcite, carrying galena, zinc-blende, and probably, high-grade silver minerals. The blende is light colored. The lode intersects and slightly displaces a small, basic dyke.

"About 445 feet east of the workings mentioned above, are two more adits, now caved, one driven from beside, and the other about 70 feet above the road. These are the Two Friends workings, situated, probably, near the western boundary of the claim.

"According to early reports, these adits are crosscuts to the North vein lode, 4 to 12 feet wide, with, along one wall, ore in a well-defined body, varying in width from a narrow streak to 12 or 14 inches and composed of blende and galena carrying from



250 to 380 ounces of silver to the ton, and 38 to 52 per cent lead. Incomplete returns up to 1904 indicate that 215 tons had been shipped from these workings and averaged 188.5 ounces in silver to the ton, 24.6 per cent lead, and 23.7 per cent zinc.

"The workings on the more easterly claims are on the South lode. An adit, driven from the Slocan Prince claim from the level of the Black Prince Trail at a point about 900 feet to the northeast of, and 150 feet or more above, the end of the road, is a crosscut 419 feet long to the lode which strikes 20 degrees to north to 30 degrees east and dips 60 degrees northwest. The lode has been drifted on for 400 feet (1919), is about 20 feet wide, and has ore along both walls, but mainly the hanging-wall.

"A second adit is about 160 feet above the first, is on Black Prince ground, and is in bad repair. It is a cross-cut for 129 feet, beyond which it follows the lode for about 400 feet (1919). The lode where explored by these workings, is a strongly crushed zone as much as 35 feet wide in some places. Abundant quartz partly cements and replaces the crushed rock and partly forms veins. Ore minerals occur both as disseminations and concentrations included and associated with vein quartz, some siderite, and a little calcite. They comprise argentiferous galena, blende, grey copper and probably other silver-rich minerals and pyrite. No appreciable gold occurs in the ore, but specimens showing native silver have been found.

"A third adit, known as the "Moen" has been driven on the Moonraker claim, situated west of and adjoining the Black Prince fraction, to intersect the south lode. The adit was inaccessible because of water at the time visited. It is possible the adit referred to in the Resident Engineer's report for 1919 as having followed the (South) lode for 1,300 feet. It is situated at the end of the wagon road about 140 feet vertically below and 900 feet southwest of, the lower of the two adits."

Cairnes report indicates that on the Bank of England and Two Friends claims, the workings of the "B" and No. 2 tunnel are connected by a winze, the potential for mineable material between the two levels is not expressed. It is apparent that the "C" tunnel on these claims was projected to come in beneath the "B" and No. 2 and is approximately 3-400 feet short of its objective of intersecting the Two Friends vein, though it intersected the offset Tippings vein.

Cairnes reports "ore" mineralization on both walls of the Black Prince structure though no grades are quoted. Some of this material may well have been subsequently removed but it appears no further development work has been performed on the old Black Prince workings. The No. 4 drift at the Black Prince vein was the beginning of an attempt to come in beneath the main Black Prince workings, as earlier mentioned, the confluence of structures at the face noted during the 1988 inspection was considered encouraging. The No. 4 drift is about 100 feet above the old "Moen" which was driven 1,300 feet along the Black Prince structure. As far as can be determined, the current face of the No. 4 is 800 feet from the plane of extension of the "Moen" face. No information is available as to the presence or lack of mineralization as this working was flooded during Cairnes' visit in 1935 and has remained so since.

Opening of the Black Prince #2 adit and removal of the cave should give access to geological mapping and sampling of these workings. The opening of the "B" and No. 2 tunnels on the Bank of England claims, and clearing of cave should accomplish similar purposes on these workings.

During excavations around the area above the stopes of the Black Prince vein in 1990, an area of mineralized material in sheared granite was exposed which yielded very high silver assays. Grab samples taken from this material by Mr. B. Strong were sent to Vancouver and inspected by the writer prior to submission for assay. These samples were delivered to the Acme Analytical Laboratories by the writer, and assayed 657.46 and 229 oz/ton Ag. (90-3104 ). Subsequent to the assay results being received the writer visited the property and confirmed the rock type and location of these samples. A grab sample, taken by the writer from the same location in 1992, assayed 194.95 oz/ton Ag and 0.006 oz/ton Au. (File 92-1724 ). Generally in the Slocan-Silverton area, high-grade lead samples run over 100 oz/ton Ag generally due to the presence of native silver. The area sampled in the above is adjacent to a small cave (2 meters long) at the top of the stope of the No. 2 Black Prince working and appears to comprise some four tons of material which may or may not be bedrock. Blasting will be required at this point to definitively establish the nature of this exposure. A sample from altered granite bedrock 20 feet north of this showing returned an assay of 1.54 oz/ton Ag (D105205).

#### Black Prince Workings Dumps:

In his report of 1983, N. W. Stacey, P.Eng., sampled and estimated the Black Prince dumps at 9-13 oz/ton Ag for 5,000 tons on the Main Black Prince dump, and 7-9 oz/ton Ag on the Black Prince No. 2 dump at an estimated 3,000 tons.

In his report of 1987 on his 1985 work, L. Sookochoff, P. Eng., had trenches cut six feet deep at the base of both dumps to work from. Slumped remnants of these trenches are still visible. Sookochoff reports an estimate of 5,000 tons of 5 oz/ton Ag material on the main dump. Sookochoff assays and sample descriptions follow:

"In June, 1985, the writer took samples from the large dump (5,000 tons).

Results were as follows:

MAIN DUMP:

<u>Sample No:</u>	<u>Description</u>	<u>%PB</u>	<u>%Zn</u>	<u>Ag oz/ton</u>
BP 1	Feldspar porphyry-fels phenos in a black aph matrix	29 ppm	237 ppm	3.9 ppm
BP 2	Dense black cherty-concooidal fracture	4.15	45.14	237.88
BP 3	Dense, f.g., gray, heavy, w/ brecc'd seriate frags healed w/bluish-white quartz	2.19	20.71	129.39
BP 4	Meta-volc.-greenish, vesicular w/splashes + pods galena	19.20	15.80	26.60
BP 5	Qtz-carb breccia w/lim frags + frags sulph.; pods sphal + gal.	2.23	22.54	49.24
BP 6	Breccia w/ fr. qtz frags healed w/ dense black material	1521 ppm	6061 ppm	141.30 ppm
BP 7	Breccia w/gm. gray cast obscure qtz frags.	1207 ppm	16783 ppm	53.4 ppm
BP 8	Pods + diss. gal. in meta gr. diorite	7.77	5.63	55.66
BP 9	Bleached gr. dia. w/ diss sulphides.	0.56	1.27	15.15

LOWER DUMP: (3,000 tons)

BP 10	Heavily lim. w/ qtz frag +	0.26	5.52	1.36
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UPPER TRENCH: (above workings)

BP 11	Meta gr. diorite w/obscure splashes + frag gal.- siliceous		0.67	4.84
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The dumps were remeasured by the writer during the 1992 inspection and were estimated at gross tonnage of 7,500 tons on the main dump and 4,000 tons on the No. 2 dump.

As it was not practical to reproduce these previous results, grab samples of wet muddy unidentified material were taken from 18 inches of depth on the face of the old cuts in the dumps. These samples are simply meant to confirm the tenor of the older more comprehensive assays. Results yielded were 16.64 oz/ton Ag (D105201) and 2.82 oz/ton Ag (D105202) from the main dump and 22.74 oz/ton Ag (D105203) Black Prince No. 2 dump.

In November of 1987, Pacific Golden Spike Resources Ltd., in an unsupervised exercise, shipped a composite bulk sample from cuts on the dumps of the Black Prince workings to Nesmont Precious Metals Corp. of Ladner, B.C. This sample comprised a total of 755 lbs of dump material

Apart from the silver values accumulated in the above data, of particular note in regard to the dump material, is the Nesmont concentration ratio of better than 29:1. Concentration ratios of 20:1 or better are common in the Slocan-New Denver area ores and produce marketable concentrates at reasonable milling costs from much production and dump material.

#### CONCLUSIONS

The Black Prince Group of claims are located in the historic lead-zinc-silver producing area of Enterprise Creek in the Slocan.

Production records from the claims show significant tonnage of high-grade silver mineralization has been shipped from the property.

Testing of dump material has shown the possibility of shipping some of this material to the Ottawa mill for concentration for sale to the smelter at Trail. Concentration ratios from tests indicates a highly favourable end product from a 28:1 ore to concentration upgrade.

Virtually all of the old production areas of the workings are currently inaccessible and require re-opening for evaluation and sampling studies.

Re-opening of the underground workings, specifically the Black Prince No. 2 and No. 4 and the Bank of England "B" and No. 2 adits, will enable a new survey to be conducted to assess the vertical and horizontal viability of extending the present stoping and provide data to allow for modelling for geophysical examination of the entire claim group.

It is apparent that the type of mineralization encountered on these claims should produce a clear VLF-EM expression, and it would be valuable to know, prior to such geophysical work, what the data would relate to on known parameters underground. The VLF-EM detailed survey would be part of any second phase in the proposed work programme. VLF-EM equipment should define major shear and breccia zones, which in the Slocan area granites are generally mineralized with lead-zinc-silver.

It is apparent from the material on the dumps, that previous mining work on this property was conducted in a haphazard fashion and the property not picked clean during the high priced silver period of the early eighties.

A combination of renewal of underground information, modern exploration and some probable cash return on the dump material, may result in the profitable exploitation of the situation on the Black Prince property.

#### RECOMMENDATIONS

The dump materials on the Black Prince claims should be considered for exploitation and back-hauled during other work for delivery to the Ottawa Mill and stockpiled for a mill run. It is known that the mill is now refurbished and available for custom milling.

All the underground workings should be re-opened for mapping and sampling. This may be achieved through opening specifically the Black Prince No. 2 adit, whose stopes connect with the Main Black Prince workings and the No. 2 and "B" tunnels on the Two Friends structure.

These workings should be permanently rehabilitated to allow safe workings for future requirements.

Some trackage may need replacing in these crosscuts though there is evidence that both have rail in them at this time. The reopening of these workings will provide data essential for the further evaluation of the property in making available structural data on which to base any further work on this ground.

This information will also provide a basis upon which to relate second phase geophysical work as may be suggested on completion of Phase I.

## INTRODUCTION

During June and July, 1993, Donegal Developments Ltd., Vancouver, B.C., and Mr. Mark Terry, B.Sc., conducted geophysical surveys on the Black Prince property, Slocan Mining Division, British Columbia. The work was done on behalf of Pacific Golden Spike Resources Ltd., Vancouver, B.C. The processing, presentation and interpretation of the field data was done by the writer of this report.

The surveys consisted of measurements of total magnetic field, VLF-EM vertical in-phase and out-phase for three transmitter stations. These were Seattle, Washington, Hawaii, and Annapolis, Maryland.

The instrumentation used during the surveys consisted of a Scintrex Ltd. IGS-2 field unit and a Scintrex Ltd. MP-3 baserecorder.

The purpose of the surveys was to delineate anomalies coincident with geological structures potentially containing commercial grade mineralization typical for the area of the property location.

A total of 19.7 line kilometers on a semi-regular grid were surveyed for total magnetic field and for the secondary VLF-EM responses from the Seattle and Hawaii transmitters; 12.5 line kilometers of readings were taken from the Annapolis



VLF-EM transmitter. The nominal line spacing was 75 meters with a nominal station spacing of 25 meters.

Further details pertaining the property, its geology and commercial mineralization have been reported by Mr. David Taylor, P.Eng.

#### DATA REDUCTION AND PRESENTATION

The total magnetic field was corrected for diurnal variations detected by the baserecorder. The measure of VLF-EM dip angle and quadrature was computed using the vertical in-phase and out-phase field measurements. The procedures for these computations are as specified by Scintrex Ltd., published in manuals covering the IGS-2 system. These procedures are standard practices for this type of VLF-EM survey applications.

The direction to all VLF-EM transmitter stations were at small angles with respect to the direction of the survey lines. Therefore, all data presentations consist of contour plans.

Various digital enhancement filters were applied as follows: All of surveys had a gentle smoother applied in order to suppress quasi-chaotic variation along the survey lines which could not contribute to meaningful interpretations. In addition, the total magnetic field was continued upwards 25

meters and presented by a contour plan separate from the original field measurements. The VLF-EM dip angle contour plans were Fraser filtered in a direction approximately perpendicular to the direction to the transmitters, e.g. perpendicular to the survey lines.

#### INTERPRETATIONS

The interpretative results are graphically shown in the plan denoted "GEOPHYSICAL INTERPRETATIONS", attached.

The majority of dip angle cross-overs are believed to coincide with conductive shearzones. Anomaly 'A' coincides with the Black Prince vein, and anomaly 'B' with known underground workings. Anomalies 'C' to 'K' are believed to coincide with shearzones in which there exists a high probability of discovering commercial grade mineralization. Anomalies 'L' and 'M' are regarded prospecting target areas.

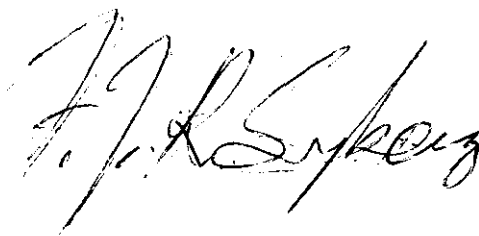
A linear denoted as a contact/dyke is a strong easterly trending quadrature cross-over with no dip angle variations. At the time of writing this report there exists no clear geological reason for this anomaly. Similarly, a well-defined linear magnetic low was noted in the northeastern quarter of the survey grid. The trend of this low is in a north-north westerly direction. This anomaly is probably indicative of an alteration zone but supporting geological information is not presently available.

### RECOMMENDATIONS

Underground and surface geological mapping of all anomalous areas is strongly recommended. Special attention should be paid to the linear magnetic low trend that strikes through the Black Prince area which indicates the potential for large tonnage lower grade mineralization. The easterly trending quadrature anomaly which bisects the survey grid should also be inspected.

Anomalous dip angle targets, interpreted as conductive shearzones, coincide with known underground mineralization. Those which do not coincide with known mineralization should be geochemically soil sampled and trenched prior to being tested by diamond drilling.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read 'F.J.R. Syberg', written in dark ink on a white background.

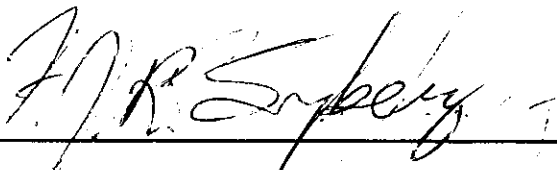
F.J.R. Syberg, Geophysicist.

CERTIFICATE OF QUALIFICATION

I, F.J.R. Syberg, 2228 Franklin Street, Vancouver, B.C.,  
hereby certify that:

- 1) I graduated from the University of British Columbia in 1967 having obtained a B.Sc. degree majoring in geophysics and geology.
- 2) I have been engaged in mining exploration and production since 1956.
- 3) I am responsible for all computer programs used to process the field data.
- 4) I have no interest whatsoever in the property described herein or the securities of Pacific Golden Spike Resources Ltd.
- 5) I grant Pacific Golden Spike Resources Ltd. permission to use all data and information contained in this report as the company may see fit.

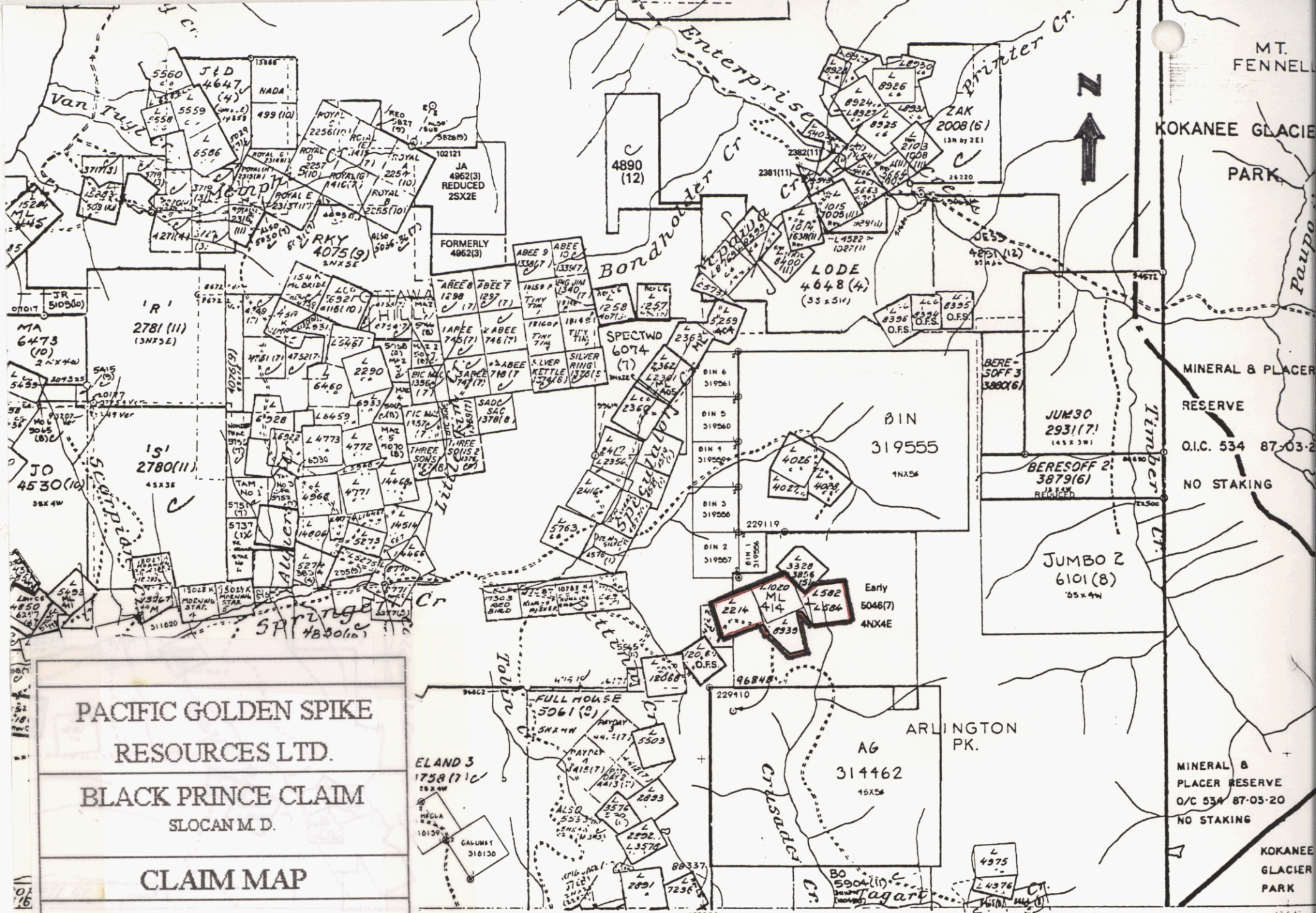
Dated at Vancouver, B.C. this 20 day of July, 1993.



Fred J.R. Syberg, Geophysicist

ITEMIZED COST STATEMENT  
GEOPHYSICAL SURVEYS  
BLACK PRINCE PROJECT

2 days travel - 2 men @ \$150/day (June 24 & July 7, 1993)	\$ 600.00
12 days flagging lines - 2 men @ \$200/day (June 25 - July 6, 1993)	4,800.00
Hotel - 2 weeks \$ \$300/week	600.00
Restaurant	342.72
Groceries	112.78
Fuel	283.90
Supplies & miscellaneous	288.25
4 x 4 truck rental - 2 weeks @ \$230/week	460.00
IGS-2 rental, data collection, interpretation, report - Donegal Developments per F.J.R. Syberg	<u>\$ 5,400.00</u>
TOTAL:	<u><u>\$12,887.65</u></u>



PACIFIC GOLDEN SPIKE  
RESOURCES LTD.

BLACK PRINCE CLAIM  
SLOCAN M.D.

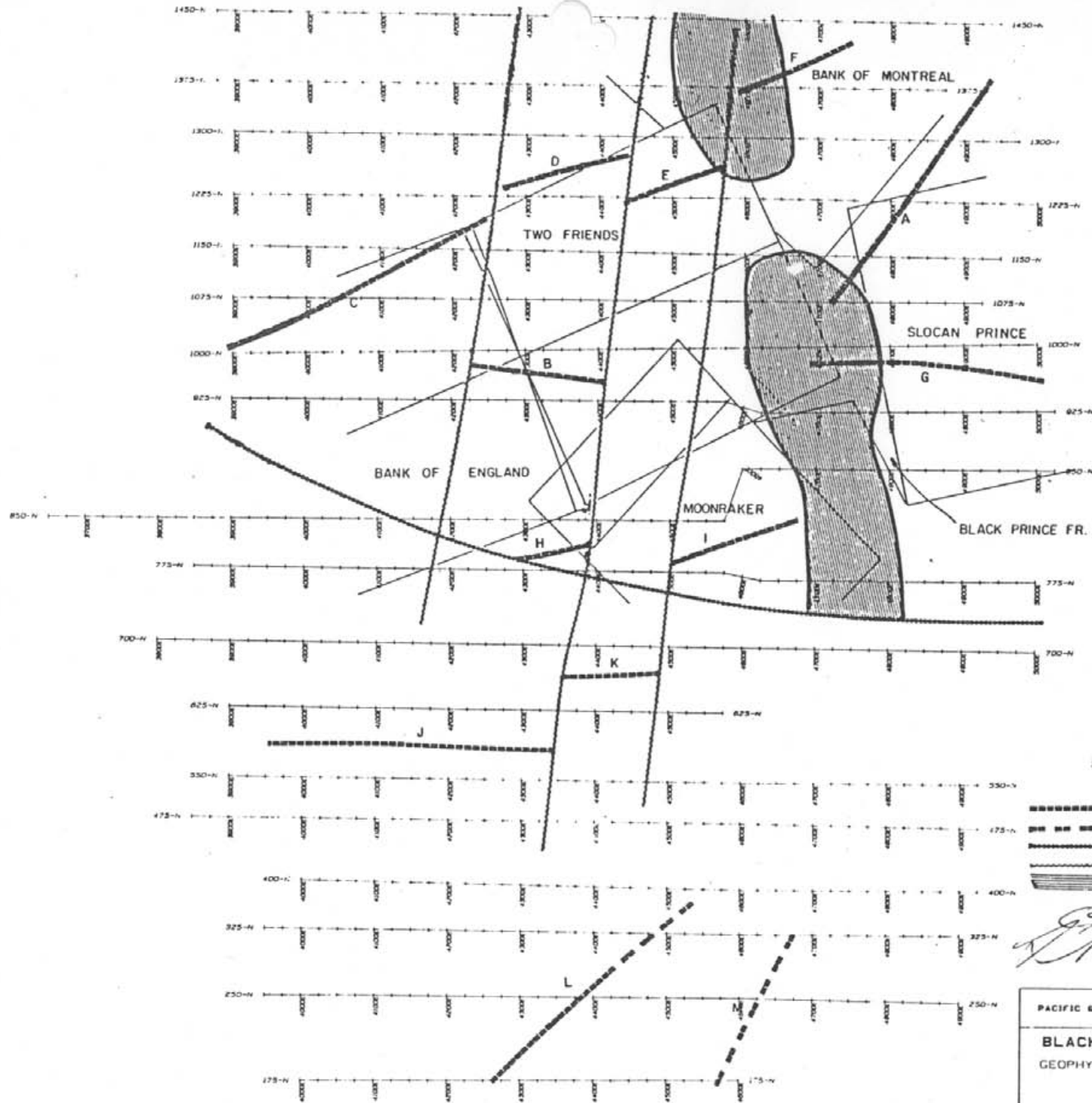
CLAIM MAP

N. T. S. 82F/14W. JULY 20, 1993

MINERAL & PLACER  
RESERVE  
O.I.C. 534 87-03-2  
NO STAKING

MINERAL &  
PLACER RESERVE  
O/C 534 87-03-20  
NO STAKING

KOKANEE  
GLACIER  
PARK



**LEGEND**

- Conductive Shearzone
- Strong
- Moderate-Weak
- Contact/Dyke
- Interpreted Fault
- Magnetic Low

*G. J. [Signature]*

PACIFIC GOLDEN SPIKE RESOURCES LTD			
<b>BLACK PRINCE PROJECT</b>			
GEOPHYSICAL INTERPRETATION			
Slocan Mining Division, British Columbia			
Donegal Developments Ltd			
DATE	BY	DATE	BY
1984	11/14	1984	11/14

## APPENDIX 'A'

### LIST OF GEOPHYSICAL MEASUREMENTS

Column	Item
1	Line number.
2	Station number.
3	Relative x coordinate.
4	Relative y coordinate.
6	Total magnetic field - gamma.
7	Vertical in-phase - Seattle - percent.
8	Vertical out-phase - Seattle - percent.
9	Horizontal field - Seattle - relative.
10	Quadrature - Seattle - percent.
11	Dip angle - Seattle - degrees.
12	Vertical in-phase - Hawaii - percent.
13	Vertical out-phase - Hawaii - percent.
14	Horizontal field - Hawaii - relative.
15	Quadrature - Hawaii - percent.
16	Dip angle - Hawaii - degrees.



175-N	4000E	4000.0	120.0	57291.2	-30	-8	108.0	-8.7	-16.8	-27	-8	10.9	-8.6	-15.2
175-N	4025E	4025.0	120.2	57277.5	-23	-5	103.0	-5.3	-13.0	-19	-4	10.8	-4.1	-10.8
175-N	4050E	4050.0	120.4	57272.7	-14	-5	97.6	-5.1	-8.0	-13	-4	10.0	-4.1	-7.4
175-N	4075E	4075.0	120.6	57216.8	-25	-4	104.0	-4.3	-14.1	-22	-4	10.6	-4.2	-12.4
175-N	4100E	4100.0	120.8	57333.0	-23	-9	99.7	-9.5	-13.0	-19	-10	9.2	-10.4	-10.9
175-N	4125E	4125.0	121.0	57335.2	-26	-8	99.7	-8.5	-14.7	-23	-9	10.2	-9.5	-13.0
175-N	4150E	4150.0	121.3	57604.0	-23	-8	94.5	-8.4	-13.0	-21	-9	9.3	-9.4	-11.9
175-N	4175E	4175.0	121.5	57282.5	-25	-9	93.8	-9.6	-14.1	-21	-10	9.3	-10.4	-12.0
175-N	4200E	4200.0	121.7	57309.6	-28	-8	96.1	-8.6	-15.7	-24	-8	9.6	-8.5	-13.6
175-N	4225E	4225.0	121.9	57321.8	-22	-7	91.8	-7.3	-12.5	-23	-8	9.2	-8.4	-13.0
175-N	4250E	4250.0	122.1	57324.7	-24	-6	94.8	-6.3	-13.5	-17	-5	8.8	-5.1	-9.7
175-N	4275E	4275.0	122.3	57310.0	-24	-3	95.5	-3.2	-13.5	-19	-2	9.3	-2.1	-10.8
175-N	4300E	4300.0	122.5	57314.7	-25	-3	91.8	-3.2	-14.0	-25	-3	9.0	-3.2	-14.0
175-N	4325E	4325.0	122.7	57299.8	-29	-3	91.0	-3.3	-16.2	-22	-2	9.3	-2.1	-12.4
175-N	4350E	4350.0	122.9	57291.2	-17	-2	96.1	-2.1	-9.7	-14	0	9.6	.0	-8.0
175-N	4375E	4375.0	123.1	57286.1	-15	-1	97.4	-1.0	-8.5	-12	0	9.7	.0	-6.8
175-N	4400E	4400.0	123.3	57301.8	-15	0	96.5	.0	-8.5	-7	1	9.4	1.0	-4.0
175-N	4425E	4425.0	123.5	57329.5	-12	0	97.7	.0	-6.8	-10	1	9.7	1.0	-5.7
175-N	4450E	4450.0	123.8	57356.1	-11	-2	91.8	-2.0	-6.3	-8	-1	9.2	-1.0	-4.6
175-N	4475E	4475.0	124.0	57420.1	-16	-2	95.6	-2.1	-9.1	-13	-1	9.3	-1.0	-7.4
175-N	4500E	4500.0	124.2	57467.6	-14	-1	93.7	-1.0	-8.0	-9	-2	9.1	-2.0	-5.1
175-N	4525E	4525.0	124.4	57427.4	-9	0	92.7	.0	-5.1	-8	0	9.3	.0	-4.6
175-N	4550E	4550.0	124.6	57379.1	-8	0	94.3	.0	-4.6	-5	1	9.4	1.0	-2.9
175-N	4575E	4575.0	124.8	57379.4	-16	-1	94.5	-1.0	-9.1	-4	0	9.1	.0	-2.3
5-N	4600E	4600.0	125.0	57370.3	-12	0	90.8	.0	-6.8	-15	2	9.1	2.0	-8.5
250-N	3950E	3950.0	235.0	57291.2	-19	-4	140.0	-4.1	-10.8	-15	-4	13.9	-4.1	-8.5
250-N	3975E	3975.0	235.0	57303.0	-23	-4	143.0	-4.2	-13.0	-18	-5	14.0	-5.2	-10.2
250-N	4000E	4000.0	235.0	57287.8	-21	-5	128.0	-5.2	-11.9	-19	-6	12.8	-6.2	-10.8
250-N	4025E	4025.0	235.0	57289.0	-23	-5	124.0	-5.3	-13.0	-19	-5	12.2	-5.2	-10.8
250-N	4050E	4050.0	235.0	57288.5	-18	-5	120.0	-5.2	-10.2	-17	-5	11.7	-5.1	-9.7
250-N	4075E	4075.0	235.0	57305.4	-20	-4	120.0	-4.2	-11.3	-17	-4	11.1	-4.1	-9.7
250-N	4100E	4100.0	235.0	57336.1	-18	-3	119.0	-3.1	-10.2	-16	-3	11.4	-3.1	-9.1
250-N	4125E	4125.0	235.0	57406.5	-21	-4	118.0	-4.2	-11.9	-19	-4	11.0	-4.1	-10.8
250-N	4150E	4150.0	235.0	57379.9	-21	-4	111.0	-4.2	-11.9	-19	-4	10.8	-4.1	-10.8
250-N	4175E	4175.0	235.0	57257.6	-24	-10	99.6	-10.6	-13.6	-21	-11	9.2	-11.5	-12.0
250-N	4200E	4200.0	235.0	57279.3	-20	-7	103.0	-7.3	-11.4	-21	-7	9.8	-7.3	-11.9
250-N	4225E	4225.0	235.0	57307.8	-23	-4	104.0	-4.2	-13.0	-18	-4	9.8	-4.1	-10.2
250-N	4250E	4250.0	235.0	57320.5	-18	-3	103.0	-3.1	-10.2	-15	-3	9.5	-3.1	-8.5
250-N	4275E	4275.0	235.0	57319.1	-16	-1	102.0	-1.0	-9.1	-9	-1	9.3	-1.0	-5.1
250-N	4300E	4300.0	235.0	57308.1	-15	-1	100.0	-1.0	-8.5	-11	-1	9.2	-1.0	-6.3
250-N	4325E	4325.0	235.0	57300.1	-15	0	100.0	.0	-8.5	-16	0	9.2	.0	-9.1
250-N	4350E	4350.0	235.0	57299.1	-15	0	98.6	.0	-8.5	-10	0	9.0	.0	-5.7
250-N	4375E	4375.0	235.0	57280.3	-13	0	100.0	.0	-7.4	-5	2	8.3	2.0	-2.9
250-N	4400E	4400.0	235.0	57266.9	-12	0	98.0	.0	-6.8	-12	2	9.0	2.0	-6.8
250-N	4425E	4425.0	235.0	57274.0	-12	2	99.4	2.0	-6.8	-9	2	9.2	2.0	-5.1
250-N	4450E	4450.0	235.0	57280.9	-18	1	95.1	1.0	-10.2	-17	2	8.9	2.1	-9.7
250-N	4475E	4475.0	235.0	57234.7	-14	1	97.6	1.0	-8.0	-13	1	9.3	1.0	-7.4
250-N	4500E	4500.0	235.0	57282.3	-19	1	96.8	1.0	-10.8	-12	2	9.0	2.0	-6.8
250-N	4525E	4525.0	235.0	57354.5	-11	1	97.0	1.0	-6.3	-7	2	8.9	2.0	-4.0
250-N	4550E	4550.0	235.0	57352.0	-7	2	96.4	2.0	-4.0	-5	3	8.7	3.0	-2.9
250-N	4575E	4575.0	235.0	57377.0	-6	3	95.5	3.0	-3.4	-2	4	8.7	4.0	-1.1
250-N	4600E	4600.0	235.0	57373.4	-5	2	96.3	2.0	-2.9	-2	3	8.7	3.0	-1.1
250-N	4625E	4625.0	234.6	57345.8	-6	1	94.9	1.0	-3.4	-1	0	8.5	.0	-1.6
250-N	4650E	4650.0	234.2	57342.5	-15	0	95.0	.0	-8.5	-9	2	9.0	2.0	-5.1
250-N	4675E	4675.0	233.8	57352.6	-6	0	94.6	.0	-3.4	-4	1	9.0	1.0	-2.3

250-N	4700E	4700.0	233.3	57383.4	-3	1	96.6	1.0	-1.7	0	3	9.0	3.0	.0
250-N	4725E	4725.0	232.9	57359.6	0	1	97.9	1.0	.0	3	3	9.1	3.0	1.7
250-N	4750E	4750.0	232.5	57327.1	1	2	101.0	2.0	.6	3	4	9.2	4.0	1.7
250-N	4775E	4775.0	232.1	57311.5	1	0	102.0	.0	.6	5	0	8.6	.0	2.9
250-N	4800E	4800.0	231.7	57301.1	-2	0	105.0	.0	-1.1	0	0	9.3	.0	.0
250-N	4825E	4825.0	231.3	57325.2	2	0	111.0	.0	1.1	5	2	10.1	2.0	2.9
250-N	4850E	4850.0	230.8	57291.3	1	0	113.0	.0	.6	3	0	10.5	.0	1.7
250-N	4875E	4875.0	230.4	57320.4	-7	-4	116.0	-4.0	-4.0	-4	-4	10.3	-4.0	-2.3
250-N	4900E	4900.0	230.0	57294.3	-15	-8	110.0	-8.2	-8.6	-12	-7	10.0	-7.1	-6.9
325-N	3950E	3950.0	325.0	57288.5	-5	-5	110.0	-5.0	-2.9	0	-5	8.9	-5.0	.0
325-N	3975E	3975.0	324.8	57289.8	-4	-3	109.0	-3.0	-2.3	-4	-3	9.9	-3.0	-2.3
325-N	4000E	4000.0	324.6	57295.4	-10	-5	110.0	-5.1	-5.7	-7	-5	9.5	-5.0	-4.0
325-N	4025E	4025.0	324.4	57277.4	-14	-6	112.0	-6.1	-8.0	-10	-5	9.7	-5.1	-5.7
325-N	4050E	4050.0	324.2	57432.9	-14	-6	103.0	-6.1	-8.0	-9	-6	9.4	-6.0	-5.2
325-N	4075E	4075.0	324.0	56687.1	-20	-7	106.0	-7.3	-11.4	-19	-7	9.7	-7.3	-10.8
325-N	4100E	4100.0	323.8	57461.8	-24	-6	112.0	-6.3	-13.5	-21	-5	10.1	-5.2	-11.9
325-N	4125E	4125.0	323.7	57341.5	-23	-5	104.0	-5.3	-13.0	-18	-6	9.5	-6.2	-10.2
325-N	4150E	4150.0	323.5	57331.4	-29	-4	102.0	-4.3	-16.2	-24	-4	9.7	-4.2	-13.5
325-N	4175E	4175.0	323.3	57323.8	-25	-7	104.0	-7.4	-14.1	-22	-8	9.3	-8.4	-12.5
325-N	4200E	4200.0	323.1	57320.8	-21	-4	99.1	-4.2	-11.9	-17	-5	8.9	-5.1	-9.7
325-N	4225E	4225.0	322.9	57319.4	-20	-4	96.7	-4.2	-11.3	-18	-4	8.8	-4.1	-10.2
325-N	4250E	4250.0	322.7	57305.1	-24	-3	97.6	-3.2	-13.5	-18	-3	8.8	-3.1	-10.2
325-N	4275E	4275.0	322.5	57310.5	-20	-2	97.5	-2.1	-11.3	-18	-2	8.7	-2.1	-10.2
5-N	4300E	4300.0	322.3	57281.7	-21	-2	96.5	-2.1	-11.9	-14	-1	8.3	-1.0	-8.0
325-N	4325E	4325.0	322.1	57315.3	-17	0	94.9	.0	-9.6	-15	0	8.4	.0	-8.5
325-N	4350E	4350.0	321.9	57284.6	-8	0	89.0	.0	-4.6	-8	1	8.3	1.0	-4.6
325-N	4375E	4375.0	321.7	57242.7	-16	0	95.0	.0	-9.1	-11	1	8.5	1.0	-6.3
325-N	4400E	4400.0	321.5	57189.5	-14	2	94.4	2.0	-8.0	-11	3	8.6	3.0	-6.3
325-N	4425E	4425.0	321.3	57279.9	-13	3	93.2	3.1	-7.4	-5	3	8.3	3.0	-2.9
325-N	4450E	4450.0	321.2	57270.8	-13	3	94.8	3.1	-7.4	-9	3	8.2	3.0	-5.1
325-N	4475E	4475.0	321.0	57276.2	-15	1	96.1	1.0	-8.5	-15	2	8.6	2.0	-8.5
325-N	4500E	4500.0	320.8	57271.8	-20	0	94.0	.0	-11.3	-17	1	8.2	1.0	-9.6
325-N	4525E	4525.0	320.6	57279.7	-17	0	94.2	.0	-9.6	-14	1	8.5	1.0	-8.0
325-N	4550E	4550.0	320.4	57282.6	-20	2	88.5	2.1	-11.3	-17	3	8.0	3.1	-9.7
325-N	4575E	4575.0	320.2	57288.9	-8	3	92.9	3.0	-4.6	-8	4	8.4	4.0	-4.6
325-N	4600E	4600.0	320.0	57246.5	-4	3	94.8	3.0	-2.3	-3	4	8.6	4.0	-1.7
325-N	4625E	4625.0	320.0	57309.9	2	1	89.7	1.0	1.1	3	3	7.8	3.0	1.7
325-N	4650E	4650.0	320.0	57325.8	-8	1	93.9	1.0	-4.6	-6	3	8.3	3.0	-3.4
325-N	4675E	4675.0	320.0	57325.0	-11	1	88.2	1.0	-6.3	-7	3	8.1	3.0	-4.0
325-N	4700E	4700.0	320.0	57319.0	-2	1	94.1	1.0	-1.1	0	3	8.4	3.0	.0
325-N	4725E	4725.0	320.0	57316.5	-2	0	96.7	.0	-1.1	4	3	8.3	3.0	2.3
325-N	4750E	4750.0	320.0	57308.7	-4	1	93.1	1.0	-2.3	1	2	8.8	2.0	.6
325-N	4775E	4775.0	320.0	57329.8	0	0	98.5	.0	.0	1	1	8.8	1.0	.6
325-N	4800E	4800.0	320.0	57330.9	-1	-1	101.0	-1.0	-.6	-3	0	8.6	.0	-1.7
325-N	4825E	4825.0	320.0	57293.1	-7	-3	93.3	-3.0	-4.0	-5	-1	8.2	-1.0	-2.9
325-N	4850E	4850.0	320.0	57332.3	-3	-3	97.3	-3.0	-1.7	0	-2	8.9	-2.0	.0
325-N	4875E	4875.0	320.0	57344.1	0	-4	103.0	-4.0	.0	3	-2	9.1	-2.0	1.7
325-N	4900E	4900.0	320.0	57294.3	6	-2	105.0	-2.0	3.4	8	-1	9.0	-1.0	4.6
0-N	4000E	4000.0	390.0	57305.3	-14	-5	122.0	-5.1	-8.0	-9	-5	10.2	-5.0	-5.2
400-N	4025E	4025.0	389.6	57274.7	-13	-3	120.0	-3.1	-7.4	-10	-3	10.7	-3.0	-5.7
400-N	4050E	4050.0	389.2	57320.6	-20	-4	119.0	-4.2	-11.3	-16	-4	10.6	-4.1	-9.1
400-N	4075E	4075.0	388.8	57949.7	-13	-5	108.0	-5.1	-7.4	-14	-5	9.9	-5.1	-8.0
400-N	4100E	4100.0	388.3	57505.5	-29	-7	112.0	-7.6	-16.2	-23	-7	9.9	-7.4	-13.0
400-N	4125E	4125.0	387.9	57429.2	-22	-8	106.0	-8.4	-12.5	-20	-8	9.0	-8.3	-11.4
400-N	4150E	4150.0	387.5	57327.9	-20	-7	101.0	-7.3	-11.4	-18	-7	8.1	-7.2	-10.3

400-N	4175E	4175.0	387.1	57325.3	-22	-5	106.0	-5.2	-12.4	-20	-6	8.7	-6.2	-11.3
400-N	4200E	4200.0	386.7	57312.7	-24	-5	105.0	-5.3	-13.5	-18	-5	8.4	-5.2	-10.2
400-N	4225E	4225.0	386.3	57298.0	-25	-6	103.0	-6.4	-14.1	-18	-7	7.4	-7.2	-10.3
400-N	4250E	4250.0	385.8	57321.9	-21	-5	97.6	-5.2	-11.9	-19	-5	7.7	-5.2	-10.8
400-N	4275E	4275.0	385.4	57306.9	-20	-4	94.9	-4.2	-11.3	-14	-4	7.0	-4.1	-8.0
400-N	4300E	4300.0	385.0	57314.4	-21	-3	97.3	-3.1	-11.9	-14	-2	7.2	-2.0	-8.0
400-N	4325E	4325.0	384.6	57328.5	-17	-3	90.9	-3.1	-9.7	-10	-3	6.4	-3.0	-5.7
400-N	4350E	4350.0	384.2	57290.8	-13	0	95.6	.0	-7.4	-11	0	7.4	.0	-6.3
400-N	4375E	4375.0	383.8	57292.0	-13	2	97.6	2.0	-7.4	-7	2	7.3	2.0	-4.0
400-N	4400E	4400.0	383.3	57295.8	-16	1	97.8	1.0	-9.1	-12	2	7.5	2.0	-6.8
400-N	4425E	4425.0	382.9	57295.5	-13	3	94.4	3.1	-7.4	-5	4	7.2	4.0	-2.9
400-N	4450E	4450.0	382.5	57274.9	-15	2	95.3	2.0	-8.5	-10	2	7.2	2.0	-5.7
400-N	4475E	4475.0	382.1	57288.9	-10	3	96.3	3.0	-5.7	-8	4	6.7	4.0	-4.6
400-N	4500E	4500.0	381.7	57285.4	-10	4	95.6	4.0	-5.7	-6	5	7.0	5.0	-3.4
400-N	4525E	4525.0	381.3	57283.4	-6	3	90.7	3.0	-3.4	-1	5	6.3	5.0	-.6
400-N	4550E	4550.0	380.8	57270.9	-12	3	92.0	3.0	-6.8	-8	2	6.7	2.0	-4.6
400-N	4575E	4575.0	380.4	57281.3	-8	3	91.3	3.0	-4.6	-7	4	6.4	4.0	-4.0
400-N	4600E	4600.0	380.0	57258.4	-9	5	90.5	5.0	-5.2	-9	5	6.3	5.0	-5.2
400-N	4625E	4625.0	380.0	57269.9	-9	6	89.6	6.0	-5.2	-5	7	6.3	7.0	-2.9
400-N	4650E	4650.0	380.0	57275.1	1	5	91.0	5.0	.6	5	7	6.3	7.0	2.9
400-N	4675E	4675.0	380.0	57264.8	8	6	90.3	6.0	4.6	12	8	5.9	8.1	6.9
400-N	4700E	4700.0	380.0	57266.5	0	6	90.4	6.0	.0	3	8	6.4	8.0	1.7
400-N	4725E	4725.0	380.0	57259.5	0	3	89.8	3.0	.0	4	4	6.2	4.0	2.3
0-N	4750E	4750.0	380.0	57255.6	0	2	88.5	2.0	.0	8	4	6.1	4.0	4.6
100-N	4775E	4775.0	380.0	57282.9	3	1	88.8	1.0	1.7	8	3	5.9	3.0	4.6
400-N	4800E	4800.0	380.0	57330.7	7	1	89.9	1.0	4.0	12	2	6.0	2.0	6.8
400-N	4825E	4825.0	380.0	57319.2	5	-1	92.0	-1.0	2.9	13	0	6.1	.0	7.4
400-N	4850E	4850.0	380.0	57259.8	2	-2	91.5	-2.0	1.1	9	-1	6.2	-1.0	5.1
400-N	4875E	4875.0	380.0	56860.3	5	-4	93.4	-4.0	2.9	10	-1	6.2	-1.0	5.7
400-N	4900E	4900.0	380.0	57389.8	8	-5	91.2	-5.0	4.6	9	-3	6.1	-3.0	5.1
400-N	4925E	4925.0	380.0	57287.8	5	-4	93.6	-4.0	2.9	10	-3	6.2	-3.0	5.7
475-N	3850E	3850.0	475.0	57240.1	-1	2	125.0	2.0	-.6	-2	3	12.1	3.0	-1.1
475-N	3875E	3875.0	474.8	57282.5	12	7	117.0	7.1	6.9	12	7	11.8	7.1	6.9
475-N	3900E	3900.0	474.7	57289.8	14	6	116.0	6.1	8.0	12	6	11.6	6.1	6.9
475-N	4000E	4000.0	474.0	57283.3	19	6	106.0	6.2	10.8	10	7	11.5	7.1	5.7
475-N	4000E	4000.0	474.0	57124.3	0	2	124.0	2.0	.0	-2	2	12.5	2.0	-1.1
475-N	4025E	4025.0	473.8	58446.3	-6	-1	120.0	-1.0	-3.4	-5	0	12.3	.0	-2.9
475-N	4050E	4050.0	473.7	56390.4	-12	-4	118.0	-4.1	-6.9	-10	-4	12.0	-4.0	-5.7
475-N	4075E	4075.0	473.5	57455.3	-10	-8	103.0	-8.1	-5.7	-5	-6	10.3	-6.0	-2.9
475-N	4100E	4100.0	473.3	57398.5	-10	-6	104.0	-6.1	-5.7	-6	-5	10.8	-5.0	-3.4
475-N	4125E	4125.0	473.2	57344.9	-14	-4	113.0	-4.1	-8.0	-10	-4	11.1	-4.0	-5.7
475-N	4150E	4150.0	473.0	57331.0	-13	-3	111.0	-3.1	-7.4	-12	-3	11.1	-3.0	-6.8
475-N	4175E	4175.0	472.8	57319.8	-16	-3	113.0	-3.1	-9.1	-16	-2	11.3	-2.1	-9.1
475-N	4200E	4200.0	472.7	57310.4	-16	-5	109.0	-5.1	-9.1	-16	-4	10.3	-4.1	-9.1
475-N	4225E	4225.0	472.5	57320.0	-20	-6	104.0	-6.2	-11.3	-19	-6	10.2	-6.2	-10.8
475-N	4250E	4250.0	472.3	57312.7	-23	-6	99.4	-6.3	-13.0	-23	-6	9.8	-6.3	-13.0
475-N	4275E	4275.0	472.2	57306.4	-26	-4	103.0	-4.3	-14.6	-27	-4	9.4	-4.3	-15.1
475-N	4300E	4300.0	472.0	57359.3	-24	-5	95.5	-5.3	-13.5	-23	-4	9.6	-4.2	-13.0
5-N	4325E	4325.0	471.8	57223.3	-23	-3	95.3	-3.2	-13.0	-21	-2	8.9	-2.1	-11.9
475-N	4350E	4350.0	471.7	57298.4	-22	0	95.8	.0	-12.4	-16	0	9.3	.0	-9.1
475-N	4375E	4375.0	471.5	57297.4	-13	0	89.9	.0	-7.4	-15	0	8.8	.0	-8.5
475-N	4400E	4400.0	471.3	57289.4	-17	2	94.7	2.1	-9.7	-17	2	8.7	2.1	-9.7
475-N	4425E	4425.0	471.2	57287.4	-19	2	96.8	2.1	-10.8	-19	2	8.7	2.1	-10.8
475-N	4450E	4450.0	471.0	57297.0	-19	3	93.7	3.1	-10.8	-19	3	8.4	3.1	-10.8
475-N	4475E	4475.0	470.8	57288.8	-13	3	92.0	3.1	-7.4	-12	3	8.1	3.0	-6.8

475-N	4500E	4500.0	470.7	57294.6	-17	4	90.7	4.1	-9.7	-17	4	8.0	4.1	-9.7
475-N	4525E	4525.0	470.5	57284.1	-10	5	90.4	5.1	-5.7	-9	6	7.8	6.0	-5.2
475-N	4550E	4550.0	470.3	57284.3	-18	6	87.4	6.2	-10.2	-19	6	7.6	6.2	-10.8
475-N	4575E	4575.0	470.2	57278.4	-19	6	84.5	6.2	-10.8	-18	5	7.6	5.2	-10.2
475-N	4600E	4600.0	470.0	57283.0	-18	5	85.6	5.2	-10.2	-22	6	7.1	6.3	-12.4
475-N	4625E	4625.0	469.6	57281.7	-17	5	83.4	5.1	-9.7	-15	6	7.3	6.1	-8.6
475-N	4650E	4650.0	469.2	57277.5	-13	7	82.6	7.1	-7.4	-12	7	7.0	7.1	-6.9
475-N	4675E	4675.0	468.8	57280.7	-4	6	81.0	6.0	-2.3	-7	4	7.1	4.0	-4.0
475-N	4700E	4700.0	468.5	57283.7	-6	8	84.4	8.0	-3.5	-3	8	7.4	8.0	-1.7
475-N	4725E	4725.0	468.1	57275.1	-11	-1	81.9	-1.0	-6.3	-11	0	7.2	.0	-6.3
475-N	4750E	4750.0	467.7	57264.2	-8	-1	82.0	-1.0	-4.6	-8	0	7.1	.0	-4.6
475-N	4775E	4775.0	467.3	57151.1	-13	-1	78.6	-1.0	-7.4	-12	0	6.8	.0	-6.8
475-N	4800E	4800.0	466.9	57407.2	-2	-1	83.9	-1.0	-1.1	-3	-1	7.3	-1.0	-1.7
475-N	4825E	4825.0	466.5	56618.1	-3	-3	85.2	-3.0	-1.7	0	-2	7.4	-2.0	.0
475-N	4850E	4850.0	466.2	57286.0	0	-5	83.1	-5.0	.0	0	-3	7.2	-3.0	.0
475-N	4875E	4875.0	465.8	57342.6	2	-3	85.2	-3.0	1.1	7	-2	6.9	-2.0	4.0
475-N	4900E	4900.0	465.4	57317.4	-2	-3	86.1	-3.0	-1.1	2	0	7.4	.0	1.1
475-N	4925E	4925.0	465.0	57291.9	1	-1	87.4	-1.0	.6	3	0	7.5	.0	1.7
550-N	3900E	3900.0	530.0	57267.6	7	5	99.9	5.0	4.0	8	6	11.2	6.0	4.6
550-N	3925E	3925.0	529.8	57236.2	2	3	105.0	3.0	1.1	0	3	11.9	3.0	.0
550-N	3950E	3950.0	529.6	57174.6	-7	2	106.0	2.0	-4.0	-3	3	11.7	3.0	-1.7
550-N	3975E	3975.0	529.5	57992.3	-7	0	109.0	.0	-4.0	-6	1	11.8	1.0	-3.4
550-N	4000E	4000.0	529.3	57444.8	-9	-1	108.0	-1.0	-5.1	-10	-1	11.8	-1.0	-5.7
550-N	4025E	4025.0	529.1	57391.8	-17	-4	106.0	-4.1	-9.7	-17	-4	10.8	-4.1	-9.7
550-N	4050E	4050.0	528.9	57357.7	-15	-4	104.0	-4.1	-8.5	-13	-4	11.0	-4.1	-7.4
550-N	4075E	4075.0	528.8	57335.0	-17	-4	104.0	-4.1	-9.7	-16	-4	11.3	-4.1	-9.1
550-N	4100E	4100.0	528.6	57313.5	-14	-3	100.0	-3.1	-8.0	-13	-3	10.8	-3.1	-7.4
550-N	4125E	4125.0	528.4	57314.4	-17	-3	103.0	-3.1	-9.7	-18	-3	10.8	-3.1	-10.2
550-N	4150E	4150.0	528.2	57309.2	-19	-1	105.0	-1.0	-10.8	-18	-1	11.2	-1.0	-10.2
550-N	4175E	4175.0	528.0	57313.5	-14	-1	106.0	-1.0	-8.0	-13	-1	11.1	-1.0	-7.4
550-N	4200E	4200.0	527.9	57318.0	-21	-4	104.0	-4.2	-11.9	-24	-4	10.7	-4.2	-13.5
550-N	4225E	4225.0	527.7	57331.0	-25	-4	99.9	-4.3	-14.1	-27	-4	10.3	-4.3	-15.1
550-N	4250E	4250.0	527.5	57650.6	-32	-4	95.8	-4.4	-17.8	-30	-3	10.0	-3.3	-16.7
550-N	4275E	4275.0	527.3	57275.5	-24	-3	92.0	-3.2	-13.5	-25	-3	9.9	-3.2	-14.0
550-N	4300E	4300.0	527.1	57284.1	-25	-1	88.4	-1.1	-14.0	-22	-1	9.0	-1.0	-12.4
550-N	4325E	4325.0	527.0	57293.8	-21	0	86.3	.0	-11.9	-20	0	8.9	.0	-11.3
550-N	4350E	4350.0	526.8	57296.4	-32	0	82.2	.0	-17.7	-30	2	8.4	2.2	-16.7
550-N	4375E	4375.0	526.6	57305.1	-18	2	85.4	2.1	-10.2	-18	2	8.4	2.1	-10.2
550-N	4400E	4400.0	526.4	57307.5	-22	3	85.5	3.1	-12.4	-19	3	8.6	3.1	-10.8
550-N	4425E	4425.0	526.3	57294.0	-17	4	83.6	4.1	-9.7	-18	4	8.4	4.1	-10.2
550-N	4450E	4450.0	526.1	57282.8	-23	6	80.0	6.3	-13.0	-21	4	8.2	4.2	-11.9
550-N	4475E	4475.0	525.9	57281.2	-15	6	81.5	6.1	-8.6	-15	6	8.2	6.1	-8.6
550-N	4500E	4500.0	525.7	57282.5	-16	6	81.9	6.2	-9.1	-15	6	8.0	6.1	-8.6
550-N	4525E	4525.0	525.5	57258.8	-13	6	79.2	6.1	-7.4	-13	6	7.8	6.1	-7.4
550-N	4550E	4550.0	525.4	57234.4	-19	6	80.5	6.2	-10.8	-18	7	7.7	7.2	-10.3
550-N	4575E	4575.0	525.2	57284.9	-17	6	79.1	6.2	-9.7	-15	7	7.2	7.2	-8.6
550-N	4600E	4600.0	525.0	57281.4	-19	7	76.6	7.3	-10.8	-17	7	7.2	7.2	-9.7
550-N	4625E	4625.0	525.0	57273.0	-16	5	73.6	5.1	-9.1	-15	6	7.1	6.1	-8.6
550-N	4650E	4650.0	525.0	57281.3	-18	4	75.5	4.1	-10.2	-20	5	6.8	5.2	-11.3
550-N	4675E	4675.0	525.0	57265.0	-18	4	79.5	4.1	-10.2	-15	5	7.2	5.1	-8.6
550-N	4700E	4700.0	525.0	57193.6	-22	-2	80.2	-2.1	-12.4	-20	-2	7.4	-2.1	-11.3
550-N	4725E	4725.0	525.0	57304.1	-17	-1	79.8	-1.0	-9.6	-16	0	7.3	.0	-9.1
550-N	4750E	4750.0	525.0	57275.4	-15	-1	80.9	-1.0	-8.5	-14	0	7.2	.0	-8.0
550-N	4775E	4775.0	525.0	57120.9	-12	-4	79.6	-4.1	-6.9	-13	-4	7.2	-4.1	-7.4
550-N	4800E	4800.0	525.0	57094.7	-10	-3	79.9	-3.0	-5.7	-10	-2	7.0	-2.0	-5.7

550-N	4825E	4825.0	525.0	57251.2	-7	-3	80.8	-3.0	-4.0	-7	-2	7.2	-2.0	-4.0
550-N	4850E	4850.0	525.0	57312.6	-8	-3	84.0	-3.0	-4.6	-10	-1	7.2	-1.0	-5.7
550-N	4875E	4875.0	525.0	57316.6	-10	-5	84.3	-5.1	-5.7	-8	-4	7.2	-4.0	-4.6
550-N	4900E	4900.0	525.0	57341.3	-3	-5	82.9	-5.0	-1.7	0	-4	7.1	-4.0	.0
550-N	4925E	4925.0	525.0	57299.2	-3	-4	86.1	-4.0	-1.7	-1	-2	7.3	-2.0	-.6
625-N	3900E	3900.0	625.0	57158.6	0	5	100.0	5.0	.0	1	5	11.0	5.0	.6
625-N	3925E	3925.0	624.8	57110.2	-2	5	98.1	5.0	-1.1	0	5	11.0	5.0	.0
625-N	3950E	3950.0	624.6	57894.3	7	5	95.7	5.0	4.0	8	6	10.8	6.0	4.6
625-N	3975E	3975.0	624.4	57436.3	7	3	90.9	3.0	4.0	8	4	10.0	4.0	4.6
625-N	4000E	4000.0	624.3	57588.2	4	3	95.4	3.0	2.3	4	3	10.7	3.0	2.3
625-N	4025E	4025.0	624.1	57350.6	0	0	93.5	.0	.0	1	0	10.3	.0	.6
625-N	4050E	4050.0	623.9	57337.1	-1	0	90.5	.0	-.6	0	0	10.2	.0	.0
625-N	4075E	4075.0	623.7	57350.9	-6	1	99.9	1.0	-3.4	-7	1	10.9	1.0	-4.0
625-N	4100E	4100.0	623.5	57347.3	-6	2	101.0	2.0	-3.4	-5	2	11.0	2.0	-2.9
625-N	4125E	4125.0	623.3	57301.2	-3	0	94.7	.0	-1.7	-2	1	10.3	1.0	-1.1
625-N	4150E	4150.0	623.1	57303.6	-12	0	107.0	.0	-6.8	-11	0	11.2	.0	-6.3
625-N	4175E	4175.0	623.0	57322.1	-14	-1	103.0	-1.0	-8.0	-14	-1	11.1	-1.0	-8.0
625-N	4200E	4200.0	622.8	57294.7	-17	-3	98.5	-3.1	-9.7	-13	-3	10.4	-3.1	-7.4
625-N	4225E	4225.0	622.6	57347.0	-13	-1	94.0	-1.0	-7.4	-8	0	10.1	.0	-4.6
625-N	4250E	4250.0	622.4	57334.2	-9	0	86.1	.0	-5.1	-8	0	9.0	.0	-4.6
625-N	4275E	4275.0	622.2	57280.3	-15	0	90.2	.0	-8.5	-12	0	9.8	.0	-6.8
625-N	4300E	4300.0	622.0	57284.7	-7	0	85.1	.0	-4.0	-5	0	8.8	.0	-2.9
625-N	4325E	4325.0	621.9	57320.0	-15	0	89.4	.0	-8.5	-14	0	9.6	.0	-8.0
25-N	4350E	4350.0	621.7	57299.0	-25	-2	85.7	-2.1	-14.0	-23	-2	9.5	-2.1	-13.0
625-N	4375E	4375.0	621.5	57306.0	-38	-2	78.8	-2.3	-20.8	-35	-2	8.5	-2.2	-19.3
625-N	4400E	4400.0	621.3	57299.6	-31	0	83.2	.0	-17.2	-29	0	8.8	.0	-16.2
625-N	4425E	4425.0	621.1	57309.1	-38	3	76.7	3.4	-20.8	-38	3	7.4	3.4	-20.8
625-N	4450E	4450.0	620.9	57296.1	-21	4	82.1	4.2	-11.9	-20	5	8.2	5.2	-11.3
625-N	4475E	4475.0	620.7	57294.7	-19	5	78.8	5.2	-10.8	-20	5	8.1	5.2	-11.3
625-N	4500E	4500.0	620.6	57291.1	-19	5	76.6	5.2	-10.8	-14	5	7.7	5.1	-8.0
625-N	4525E	4525.0	620.4	57300.7	-18	6	77.9	6.2	-10.2	-18	6	7.5	6.2	-10.2
625-N	4550E	4550.0	620.2	57254.1	-21	7	75.7	7.3	-11.9	-18	7	7.5	7.2	-10.3
625-N	4575E	4575.0	620.0	57306.9	-23	7	73.7	7.4	-13.0	-20	7	7.3	7.3	-11.4
700-N	3800E	3800.0	715.0	57141.2	3	8	114.0	8.0	1.7	4	9	9.7	9.0	2.3
700-N	3825E	3825.0	714.8	56779.5	1	7	117.0	7.0	.6	0	7	9.8	7.0	.0
700-N	3850E	3850.0	714.6	57004.3	8	8	110.0	8.1	4.6	4	8	9.9	8.0	2.3
700-N	3875E	3875.0	714.4	57405.1	1	6	120.0	6.0	.6	-3	7	10.0	7.0	-1.7
700-N	3900E	3900.0	714.2	57399.5	12	5	108.0	5.1	6.9	1	5	10.1	5.0	.6
700-N	3925E	3925.0	714.0	57652.9	1	3	116.0	3.0	.6	0	2	10.3	2.0	.0
700-N	3950E	3950.0	713.8	57330.0	-9	0	120.0	.0	-5.1	-9	0	10.2	.0	-5.1
700-N	3975E	3975.0	713.5	57319.6	1	0	112.0	.0	.6	-2	0	10.0	.0	-1.1
700-N	4000E	4000.0	713.3	57331.1	-5	0	114.0	.0	-2.9	-11	0	10.2	.0	-6.3
700-N	4025E	4025.0	713.1	57329.0	-3	0	118.0	.0	-1.7	-8	0	10.1	.0	-4.6
700-N	4050E	4050.0	712.9	57341.6	-5	1	117.0	1.0	-2.9	-10	1	10.3	1.0	-5.7
700-N	4075E	4075.0	712.7	57117.1	-3	1	120.0	1.0	-1.7	-10	2	10.5	2.0	-5.7
700-N	4100E	4100.0	712.5	57315.5	-2	1	112.0	1.0	-1.1	-8	1	10.7	1.0	-4.6
700-N	4125E	4125.0	712.3	57339.8	-11	-1	120.0	-1.0	-6.3	-15	0	10.7	.0	-8.5
700-N	4150E	4150.0	712.1	57336.9	-13	-1	115.0	-1.0	-7.4	-16	-1	10.1	-1.0	-9.1
700-N	4175E	4175.0	711.9	57306.2	-13	0	113.0	.0	-7.4	-14	0	9.9	.0	-8.0
700-N	4200E	4200.0	711.7	57264.3	-9	0	104.0	.0	-5.1	-17	0	9.7	.0	-9.6
700-N	4225E	4225.0	711.5	57287.8	-16	0	111.0	.0	-9.1	-15	0	9.9	.0	-8.5
700-N	4250E	4250.0	711.3	57351.9	-27	2	103.0	2.1	-15.1	-23	1	9.6	1.1	-13.0
700-N	4275E	4275.0	711.0	57308.7	-21	1	109.0	1.0	-11.9	-20	0	9.6	.0	-11.3
700-N	4300E	4300.0	710.8	57310.7	-23	-1	105.0	-1.1	-13.0	-23	-1	9.1	-1.1	-13.0
700-N	4325E	4325.0	710.6	57302.2	-27	-1	96.3	-1.1	-15.1	-27	-1	8.7	-1.1	-15.1

700-N	4350E	4350.0	710.4	57292.0	-23	2	93.0	2.1	-13.0	-22	1	8.2	1.0	-12.4
700-N	4375E	4375.0	710.2	57295.9	-21	4	91.6	4.2	-11.9	-22	4	8.0	4.2	-12.4
700-N	4400E	4400.0	710.0	57268.7	-20	5	90.9	5.2	-11.3	-19	5	8.2	5.2	-10.8
700-N	4425E	4425.0	709.8	57298.6	-17	5	86.7	5.1	-9.7	-18	5	7.8	5.2	-10.2
700-N	4450E	4450.0	709.6	57290.4	-13	4	78.4	4.1	-7.4	-17	4	7.6	4.1	-9.7
700-N	4475E	4475.0	709.4	57237.6	-18	6	84.2	6.2	-10.2	-18	6	7.4	6.2	-10.2
700-N	4500E	4500.0	709.2	57293.3	-18	5	78.9	5.2	-10.2	-19	4	7.0	4.1	-10.8
700-N	4525E	4525.0	709.0	57296.7	-25	6	80.5	6.4	-14.1	-21	6	7.1	6.3	-11.9
700-N	4550E	4550.0	708.8	57294.1	-24	5	80.1	5.3	-13.5	-22	4	7.2	4.2	-12.4
700-N	4575E	4575.0	708.5	57297.2	-31	5	81.1	5.5	-17.3	-28	6	7.2	6.5	-15.7
700-N	4600E	4600.0	708.3	57308.8	-28	5	81.0	5.4	-15.7	-29	5	6.9	5.4	-16.2
700-N	4625E	4625.0	708.1	57286.2	-33	7	78.3	7.8	-18.3	-28	8	6.6	8.6	-15.7
700-N	4650E	4650.0	707.9	57273.6	-24	4	79.8	4.2	-13.5	-24	5	6.7	5.3	-13.5
700-N	4675E	4675.0	707.7	57278.7	-19	5	79.3	5.2	-10.8	-17	5	6.6	5.1	-9.7
700-N	4700E	4700.0	707.5	57321.3	-14	1	81.3	1.0	-8.0	-17	2	6.9	2.1	-9.7
700-N	4725E	4725.0	707.3	57303.3	-10	0	83.1	.0	-5.7	-9	1	6.7	1.0	-5.1
700-N	4750E	4750.0	707.1	57294.6	-19	1	83.5	1.0	-10.8	-21	2	6.8	2.1	-11.9
700-N	4775E	4775.0	706.9	57306.5	-16	-1	83.6	-1.0	-9.1	-15	0	6.8	.0	-8.5
700-N	4800E	4800.0	706.7	57162.8	-14	0	83.0	.0	-8.0	-16	0	6.9	.0	-9.1
700-N	4825E	4825.0	706.5	57295.3	-12	0	84.4	.0	-6.8	-10	2	7.0	2.0	-5.7
700-N	4850E	4850.0	706.3	57323.6	-12	-2	84.1	-2.0	-6.8	-12	0	7.0	.0	-6.8
700-N	4875E	4875.0	706.0	57422.0	-14	-2	81.4	-2.0	-8.0	-12	0	6.9	.0	-6.8
700-N	4900E	4900.0	705.8	57374.3	-7	-2	84.7	-2.0	-4.0	-8	-1	6.9	-1.0	-4.6
700-N	4925E	4925.0	705.6	57369.6	-14	-3	83.1	-3.1	-8.0	-16	-1	6.7	-1.0	-9.1
700-N	4950E	4950.0	705.4	57364.7	-7	-1	86.1	-1.0	-4.0	-9	0	6.9	.0	-5.1
700-N	4975E	4975.0	705.2	57359.9	0	0	86.9	.0	.0	1	1	7.1	1.0	.6
700-N	5000E	5000.0	705.0	57321.0	-1	3	95.0	3.0	-.6	-1	5	7.6	5.0	-.6
775-N	3850E	3850.0	815.0	57341.6	5	5	92.3	5.0	2.9	5	5	8.3	5.0	2.9
775-N	3875E	3875.0	814.8	57345.5	-4	5	102.0	5.0	-2.3	-4	5	8.9	5.0	-2.3
775-N	3900E	3900.0	814.7	57349.5	-6	6	101.0	6.0	-3.4	-5	5	9.0	5.0	-2.9
775-N	3925E	3925.0	814.5	57426.7	-2	5	104.0	5.0	-1.1	-9	5	8.9	5.0	-5.2
775-N	3950E	3950.0	814.3	57343.9	-6	4	103.0	4.0	-3.4	-6	3	9.1	3.0	-3.4
775-N	3975E	3975.0	814.1	57527.8	-5	2	104.0	2.0	-2.9	-8	2	9.1	2.0	-4.6
775-N	4000E	4000.0	814.0	57320.4	-10	0	104.0	.0	-5.7	-17	0	8.6	.0	-9.6
775-N	4025E	4025.0	813.8	57331.6	-8	-1	102.0	-1.0	-4.6	-10	-1	8.9	-1.0	-5.7
775-N	4050E	4050.0	813.6	57310.1	-10	-1	104.0	-1.0	-5.7	-13	-1	8.9	-1.0	-7.4
775-N	4075E	4075.0	813.4	57305.9	-13	-2	103.0	-2.0	-7.4	-20	0	8.4	.0	-11.3
775-N	4100E	4100.0	813.3	57311.3	-12	-1	101.0	-1.0	-6.8	-20	-2	8.0	-2.1	-11.3
775-N	4125E	4125.0	813.1	57306.3	-11	0	103.0	.0	-6.3	-15	0	8.4	.0	-8.5
775-N	4150E	4150.0	812.9	57302.9	-13	1	104.0	1.0	-7.4	-14	0	8.2	.0	-8.0
775-N	4175E	4175.0	812.8	57310.1	-7	2	105.0	2.0	-4.0	-11	2	8.6	2.0	-6.3
775-N	4200E	4200.0	812.6	57312.1	-11	1	108.0	1.0	-6.3	-10	0	8.9	.0	-5.7
775-N	4225E	4225.0	812.4	57324.4	-16	1	107.0	1.0	-9.1	-17	1	8.7	1.0	-9.6
775-N	4250E	4250.0	812.2	57285.6	-10	0	104.0	.0	-5.7	-15	0	9.1	.0	-8.5
775-N	4275E	4275.0	812.1	57294.9	-10	0	106.0	.0	-5.7	-17	0	8.8	.0	-9.6
775-N	4300E	4300.0	811.9	57309.1	-21	0	109.0	.0	-11.9	-26	-1	8.4	-1.1	-14.6
775-N	4325E	4325.0	811.7	57324.5	-23	-1	108.0	-1.1	-13.0	-26	-3	8.4	-3.2	-14.6
775-N	4350E	4350.0	811.6	57372.8	-22	-3	103.0	-3.1	-12.4	-26	-2	8.3	-2.1	-14.6
775-N	4375E	4375.0	811.4	57307.8	-21	-4	99.6	-4.2	-11.9	-19	-3	7.7	-3.1	-10.8
775-N	4400E	4400.0	811.2	57305.7	-22	-2	98.3	-2.1	-12.4	-24	-3	7.9	-3.2	-13.5
775-N	4425E	4425.0	811.0	57301.2	-22	0	103.0	.0	-12.4	-21	0	8.2	.0	-11.9
775-N	4450E	4450.0	810.9	57296.6	-25	0	113.0	.0	-14.0	-20	-2	8.3	-2.1	-11.3
775-N	4475E	4475.0	810.7	57294.4	-26	0	114.0	.0	-14.6	-26	0	9.0	.0	-14.6
775-N	4500E	4500.0	810.5	57416.4	-28	0	123.0	.0	-15.6	-28	-1	9.4	-1.1	-15.6
775-N	4525E	4525.0	810.3	57347.0	-28	0	125.0	.0	-15.6	-28	-1	9.4	-1.1	-15.6

775-N	4550E	4550.0	810.2	57326.2	-25	-2	124.0	-2.1	-14.0	-24	-2	9.3	-2.1	-13.5
775-N	4575E	4575.0	810.0	57341.8	-30	-3	123.0	-3.3	-16.7	-30	-4	8.9	-4.4	-16.7
775-N	4600E	4600.0	805.0	57312.9	-31	-5	110.0	-5.5	-17.3	-30	-8	8.1	-8.7	-16.8
775-N	4625E	4625.0	800.0	57306.4	-32	-5	98.2	-5.5	-17.8	-29	-6	7.2	-6.5	-16.2
775-N	4650E	4650.0	800.0	57299.0	-28	-6	84.7	-6.5	-15.7	-29	-6	6.2	-6.5	-16.2
775-N	4675E	4675.0	800.0	57295.0	-24	-5	70.2	-5.3	-13.5	-23	-6	5.3	-6.3	-13.0
775-N	4700E	4700.0	800.0	57294.2	-29	-2	80.2	-2.2	-16.2	-27	-3	5.8	-3.2	-15.1
775-N	4725E	4725.0	800.0	57355.1	-31	-3	78.3	-3.3	-17.2	-30	-4	5.6	-4.4	-16.7
775-N	4750E	4750.0	800.0	56838.5	-27	-2	79.0	-2.1	-15.1	-26	-3	5.7	-3.2	-14.6
775-N	4775E	4775.0	800.0	57286.0	-27	-2	78.0	-2.1	-15.1	-24	-3	5.5	-3.2	-13.5
775-N	4800E	4800.0	800.0	57294.4	-28	-1	77.4	-1.1	-15.6	-27	-2	5.4	-2.1	-15.1
775-N	4825E	4825.0	800.0	57311.0	-25	-2	74.9	-2.1	-14.0	-22	-3	5.2	-3.1	-12.4
775-N	4850E	4850.0	800.0	57307.1	-24	-2	73.9	-2.1	-13.5	-21	-3	5.0	-3.1	-11.9
775-N	4875E	4875.0	800.0	57309.7	-22	-1	74.8	-1.0	-12.4	-19	-3	5.0	-3.1	-10.8
775-N	4900E	4900.0	800.0	57307.6	-25	-2	74.6	-2.1	-14.0	-24	-2	5.2	-2.1	-13.5
775-N	4925E	4925.0	800.0	57289.8	-27	-2	74.6	-2.1	-15.1	-25	-2	5.0	-2.1	-14.0
775-N	4950E	4950.0	800.0	57273.3	-29	0	76.3	.0	-16.2	-23	-1	5.3	-1.1	-13.0
775-N	4975E	4975.0	800.0	57279.7	-26	-2	77.2	-2.1	-14.6	-22	-5	5.0	-5.2	-12.4
775-N	5000E	5000.0	800.0	57320.0	-26	-3	73.3	-3.2	-14.6	-19	-5	4.8	-5.2	-10.8
850-N	3650E	3650.0	880.0	56793.1	6	7	101.0	7.0	3.5	0	9	5.9	9.0	.0
850-N	3675E	3675.0	880.0	57199.4	4	7	97.7	7.0	2.3	3	8	10.4	8.0	1.7
850-N	3700E	3700.0	880.0	57289.7	4	6	104.0	6.0	2.3	3	7	11.3	7.0	1.7
850-N	3725E	3725.0	880.0	57314.1	4	5	109.0	5.0	2.3	0	6	11.7	6.0	.0
850-N	3750E	3750.0	880.0	57303.7	0	4	106.0	4.0	.0	-2	4	11.3	4.0	-1.1
850-N	3775E	3775.0	880.0	57277.3	1	4	93.2	4.0	.6	-2	3	10.5	3.0	-1.1
850-N	3800E	3800.0	880.0	57266.3	1	5	92.2	5.0	.6	-2	4	10.2	4.0	-1.1
850-N	3825E	3825.0	880.0	57255.1	0	6	89.3	6.0	.0	-3	4	9.9	4.0	-1.7
850-N	3850E	3850.0	880.0	57173.9	1	7	96.7	7.0	.6	-3	6	10.4	6.0	-1.7
850-N	3875E	3875.0	880.0	57665.1	-1	9	105.0	9.0	-.6	-4	7	10.4	7.0	-2.3
850-N	3900E	3900.0	880.0	57411.6	-4	2	105.0	2.0	-2.3	-4	2	10.4	2.0	-2.3
850-N	3925E	3925.0	880.0	57353.4	-9	1	107.0	1.0	-5.1	-10	1	10.6	1.0	-5.7
850-N	3950E	3950.0	880.0	57330.5	0	1	101.0	1.0	.0	-3	1	10.0	1.0	-1.7
850-N	3975E	3975.0	880.0	57362.1	-4	2	104.0	2.0	-2.3	-5	2	10.2	2.0	-2.9
850-N	4000E	4000.0	880.0	57326.5	-9	2	108.0	2.0	-5.1	-10	2	10.5	2.0	-5.7
850-N	4025E	4025.0	880.0	57336.4	-4	1	106.0	1.0	-2.3	-8	1	10.1	1.0	-4.6
850-N	4050E	4050.0	880.0	57314.1	-9	2	110.0	2.0	-5.1	-9	2	10.4	2.0	-5.1
850-N	4075E	4075.0	880.0	57412.8	-11	0	112.0	.0	-6.3	-11	0	10.6	.0	-6.3
850-N	4100E	4100.0	880.0	57309.1	-20	-1	107.0	-1.0	-11.3	-21	-1	9.4	-1.0	-11.9
850-N	4125E	4125.0	880.0	57321.2	-14	-3	111.0	-3.1	-8.0	-20	-2	10.1	-2.1	-11.3
850-N	4150E	4150.0	880.0	57321.6	-20	-2	108.0	-2.1	-11.3	-26	-4	9.3	-4.3	-14.6
850-N	4175E	4175.0	880.0	57323.3	-19	-2	108.0	-2.1	-10.8	-20	-3	9.6	-3.1	-11.3
850-N	4200E	4200.0	880.0	57309.7	-13	-2	108.0	-2.0	-7.4	-16	-3	10.0	-3.1	-9.1
850-N	4225E	4225.0	880.0	57315.8	-18	-1	110.0	-1.0	-10.2	-17	-2	9.9	-2.1	-9.7
850-N	4250E	4250.0	880.0	57343.0	-12	-1	108.0	-1.0	-6.8	-15	-2	9.7	-2.0	-8.5
850-N	4275E	4275.0	880.0	57698.3	-14	0	105.0	.0	-8.0	-17	-3	9.5	-3.1	-9.7
850-N	4300E	4300.0	880.0	57282.2	-5	1	115.0	1.0	-2.9	-6	1	10.2	1.0	-3.4
850-N	4325E	4325.0	880.0	57305.1	-16	-1	112.0	-1.0	-9.1	-16	-1	9.9	-1.0	-9.1
850-N	4350E	4350.0	880.0	57295.6	-9	-1	106.0	-1.0	-5.1	-11	-1	9.3	-1.0	-6.3
850-N	4375E	4375.0	880.0	57329.2	-12	-1	108.0	-1.0	-6.8	-14	-1	9.7	-1.0	-8.0
850-N	4400E	4400.0	880.0	57350.9	-17	-1	110.0	-1.0	-9.6	-16	-2	9.9	-2.1	-9.1
850-N	4425E	4425.0	880.0	57335.1	-19	-4	103.0	-4.1	-10.8	-18	-4	9.1	-4.1	-10.2
850-N	4450E	4450.0	880.0	57329.6	-17	-2	102.0	-2.1	-9.7	-23	-4	8.9	-4.2	-13.0
850-N	4475E	4475.0	880.0	57318.2	-19	-3	103.0	-3.1	-10.8	-22	-4	9.1	-4.2	-12.4
850-N	4500E	4500.0	880.0	57320.2	-19	-6	101.0	-6.2	-10.8	-19	-5	8.8	-5.2	-10.8
850-N	4525E	4525.0	880.0	57313.5	-18	-2	101.0	-2.1	-10.2	-18	-2	8.7	-2.1	-10.2

850-N	4550E	4550.0	880.0	57317.6	-12	-3	106.0	-3.0	-6.8	-11	-3	9.2	-3.0	-6.3
850-N	4575E	4575.0	880.0	57300.2	-11	-3	106.0	-3.0	-6.3	-6	-3	9.4	-3.0	-3.4
850-N	4600E	4600.0	950.0	57304.0	-15	-6	105.0	-6.1	-8.6	-14	-5	9.1	-5.1	-8.0
850-N	4625E	4625.0	950.0	57291.3	-15	-5	103.0	-5.1	-8.6	-11	-5	8.9	-5.1	-6.3
850-N	4650E	4650.0	950.0	57301.3	-15	-6	97.7	-6.1	-8.6	-12	-6	8.4	-6.1	-6.9
850-N	4675E	4675.0	950.0	57321.2	-29	-7	97.2	-7.6	-16.2	-25	-7	8.4	-7.4	-14.1
850-N	4700E	4700.0	950.0	57289.6	-35	-7	95.7	-7.9	-19.4	-34	-7	8.3	-7.8	-18.9
850-N	4725E	4725.0	950.0	57276.0	-38	-12	88.1	-13.8	-21.0	-42	-12	7.0	-14.1	-23.0
850-N	4750E	4750.0	950.0	57027.4	-43	-10	84.2	-11.9	-23.4	-41	-10	7.2	-11.7	-22.5
850-N	4775E	4775.0	950.0	57286.9	-39	-7	85.5	-8.1	-21.4	-39	-8	6.9	-9.2	-21.4
850-N	4800E	4800.0	950.0	57293.4	-34	-6	86.0	-6.7	-18.8	-36	-6	7.0	-6.8	-19.9
850-N	4825E	4825.0	950.0	57321.5	-26	-6	84.3	-6.4	-14.6	-26	-6	6.9	-6.4	-14.6
850-N	4850E	4850.0	950.0	57330.0	-33	-6	84.5	-6.7	-18.3	-33	-6	7.1	-6.7	-18.3
850-N	4875E	4875.0	950.0	57306.0	-33	-6	86.8	-6.7	-18.3	-32	-7	7.3	-7.7	-17.8
850-N	4900E	4900.0	950.0	57302.3	-36	-7	87.3	-7.9	-19.9	-40	-7	6.9	-8.1	-21.9
850-N	4925E	4925.0	950.0	57305.9	-36	-6	86.2	-6.8	-19.9	-32	-6	7.1	-6.6	-17.8
850-N	4950E	4950.0	950.0	57323.8	-41	-5	80.9	-5.8	-22.3	-42	-5	6.6	-5.9	-22.8
850-N	4975E	4975.0	950.0	57313.3	-32	-2	87.0	-2.2	-17.8	-34	-2	7.1	-2.2	-18.8
850-N	5000E	5000.0	950.0	57304.5	-50	-4	71.8	-5.0	-26.6	-44	-3	6.0	-3.6	-23.8
850-N	5025E	5025.0	950.0	57303.6	-39	-1	78.5	-1.2	-21.3	-46	-3	6.3	-3.6	-24.7
925-N	3900E	3900.0	1040.0	57359.3	-6	0	110.0	.0	-3.4	-6	-1	10.4	-1.0	-3.4
925-N	3925E	3925.0	1040.0	57367.5	-3	0	107.0	.0	-1.7	-5	-1	10.0	-1.0	-2.9
925-N	3950E	3950.0	1040.0	57353.7	-9	0	109.0	.0	-5.1	-10	-1	10.1	-1.0	-5.7
925-N	3975E	3975.0	1040.0	57346.4	-6	-1	103.0	-1.0	-3.4	-5	-1	9.6	-1.0	-2.9
925-N	4000E	4000.0	1040.0	57343.5	-13	-2	111.0	-2.0	-7.4	-14	-3	10.2	-3.1	-8.0
925-N	4025E	4025.0	1040.0	57371.0	-13	-3	109.0	-3.1	-7.4	-10	-5	9.8	-5.1	-5.7
925-N	4050E	4050.0	1040.0	57344.4	-21	-4	107.0	-4.2	-11.9	-19	-5	10.1	-5.2	-10.8
925-N	4075E	4075.0	1040.0	57339.5	-22	-5	105.0	-5.2	-12.4	-19	-5	10.3	-5.2	-10.8
925-N	4100E	4100.0	1040.0	57329.9	-19	-11	99.1	-11.4	-10.9	-14	-10	9.4	-10.2	-8.0
925-N	4125E	4125.0	1040.0	57334.1	-23	-13	94.4	-13.7	-13.2	-25	-13	9.4	-13.8	-14.3
925-N	4150E	4150.0	1040.0	57328.5	-24	-13	95.0	-13.8	-13.7	-24	-15	9.2	-15.9	-13.8
925-N	4175E	4175.0	1040.0	57378.0	-51	-28	101.0	-35.8	-28.5	-52	-29	9.8	-37.4	-29.1
925-N	4200E	4200.0	1040.0	57294.6	-6	0	90.7	.0	-3.4	-7	1	9.4	1.0	-4.0
925-N	4225E	4225.0	1040.0	57340.0	-16	-6	91.9	-6.2	-9.1	-18	-6	9.1	-6.2	-10.2
925-N	4250E	4250.0	1040.0	57338.0	-16	-5	94.6	-5.1	-9.1	-16	-4	9.8	-4.1	-9.1
925-N	4275E	4275.0	1040.0	57338.1	-16	-3	100.0	-3.1	-9.1	-18	-2	9.9	-2.1	-10.2
925-N	4300E	4300.0	1040.0	57336.5	-20	-3	104.0	-3.1	-11.3	-22	-2	10.2	-2.1	-12.4
925-N	4325E	4325.0	1040.0	57379.3	-21	-3	103.0	-3.1	-11.9	-23	-3	10.0	-3.2	-13.0
925-N	4350E	4350.0	1040.0	57347.2	-22	-4	100.0	-4.2	-12.4	-17	-5	9.7	-5.1	-9.7
925-N	4375E	4375.0	1040.0	57351.0	-26	-3	97.3	-3.2	-14.6	-22	-3	9.9	-3.1	-12.4
925-N	4400E	4400.0	1040.0	57357.6	-18	-6	92.4	-6.2	-10.2	-23	-7	9.4	-7.4	-13.0
925-N	4425E	4425.0	1040.0	57337.3	-23	-9	93.0	-9.5	-13.0	-23	-10	9.1	-10.5	-13.1
925-N	4450E	4450.0	1040.0	57340.4	-20	-9	90.6	-9.4	-11.4	-22	-8	8.8	-8.4	-12.5
925-N	4475E	4475.0	1040.0	57340.2	-20	-7	92.3	-7.3	-11.4	-18	-7	8.9	-7.2	-10.3
925-N	4500E	4500.0	1040.0	57338.9	-16	-6	93.4	-6.2	-9.1	-14	-6	8.9	-6.1	-8.0
925-N	4525E	4525.0	1040.0	57337.5	-20	-7	96.7	-7.3	-11.4	-21	-7	9.1	-7.3	-11.9
925-N	4550E	4550.0	1040.0	57351.2	-29	-6	94.1	-6.5	-16.2	-27	-6	8.5	-6.4	-15.2
925-N	4575E	4575.0	1040.0	57334.6	-25	-13	97.7	-13.8	-14.3	-30	-11	8.7	-12.0	-16.9
925-N	4600E	4600.0	1032.5	57349.6	-23	-13	101.0	-13.7	-13.2	-20	-12	9.1	-12.5	-11.5
925-N	4625E	4625.0	1025.0	57347.1	-29	-11	106.0	-11.9	-16.3	-26	-9	9.9	-9.6	-14.7
925-N	4650E	4650.0	1025.3	57333.9	-39	-13	101.0	-15.0	-21.6	-38	-11	9.3	-12.6	-21.0
925-N	4675E	4675.0	1025.6	57311.4	-40	-14	100.0	-16.3	-22.1	-44	-14	8.4	-16.8	-24.1
925-N	4700E	4700.0	1025.9	56842.2	-40	-16	94.3	-18.6	-22.2	-42	-17	8.5	-20.1	-23.3
925-N	4725E	4725.0	1026.3	57313.8	-44	-16	93.9	-19.2	-24.2	-45	-17	8.0	-20.5	-24.8
925-N	4750E	4750.0	1026.6	57337.3	-37	-15	92.5	-17.1	-20.7	-37	-17	7.2	-19.4	-20.8



925-N	4775E	4775.0	1026.9	57327.2	-34	-14	83.5	-15.6	-19.1	-32	-13	7.1	-14.4	-18.0
925-N	4800E	4800.0	1027.2	57328.5	-44	-9	90.1	-10.8	-23.9	-39	-10	7.8	-11.5	-21.5
925-N	4825E	4825.0	1027.5	57337.6	-44	-9	93.3	-10.8	-23.9	-43	-8	7.8	-9.5	-23.4
925-N	4850E	4850.0	1027.8	57328.4	-34	-7	98.4	-7.8	-18.9	-34	-7	8.2	-7.8	-18.9
925-N	4875E	4875.0	1028.1	57341.0	-36	-6	99.9	-6.8	-19.9	-33	-7	8.1	-7.8	-18.3
925-N	4900E	4900.0	1028.4	57355.1	-41	-9	98.2	-10.5	-22.4	-48	-10	7.7	-12.3	-25.8
925-N	4925E	4925.0	1028.8	57344.3	-37	-7	97.3	-8.0	-20.4	-35	-8	8.2	-9.0	-19.4
925-N	4950E	4950.0	1029.1	57363.8	-46	-8	87.9	-9.7	-24.8	-47	-9	7.1	-11.0	-25.3
925-N	4975E	4975.0	1029.4	57309.0	-30	-4	98.1	-4.4	-16.7	-31	-5	8.1	-5.5	-17.3
925-N	5000E	5000.0	1029.7	57313.7	-44	-3	83.5	-3.6	-23.8	-37	-4	7.3	-4.5	-20.3
925-N	5025E	5025.0	1030.0	57291.7	-30	0	92.5	.0	-16.7	-30	-1	7.5	-1.1	-16.7
1000-N	3900E	3900.0	1100.0	57346.6	-5	-3	120.0	-3.0	-2.9	-6	-3	11.2	-3.0	-3.4
1000-N	3925E	3925.0	1100.5	57350.4	-9	-2	121.0	-2.0	-5.1	-5	-2	11.1	-2.0	-2.9
1000-N	3950E	3950.0	1100.9	57339.4	-11	-3	122.0	-3.0	-6.3	-8	-4	11.3	-4.0	-4.6
1000-N	3975E	3975.0	1101.4	57339.7	-8	-3	126.0	-3.0	-4.6	-7	-3	11.2	-3.0	-4.0
1000-N	4000E	4000.0	1101.8	57338.5	-22	-9	122.0	-9.4	-12.5	-19	-9	10.8	-9.3	-10.8
1000-N	4025E	4025.0	1102.3	57327.3	-18	-9	114.0	-9.3	-10.3	-17	-9	10.1	-9.3	-9.7
1000-N	4050E	4050.0	1102.7	57699.7	-23	-7	116.0	-7.4	-13.0	-21	-7	10.2	-7.3	-11.9
1000-N	4075E	4075.0	1103.2	57325.7	-27	-6	111.0	-6.4	-15.2	-25	-8	9.6	-8.5	-14.1
1000-N	4100E	4100.0	1103.6	57335.5	-16	-7	111.0	-7.2	-9.1	-13	-7	9.2	-7.1	-7.4
1000-N	4125E	4125.0	1104.1	57334.2	-19	-5	112.0	-5.2	-10.8	-16	-6	9.4	-6.2	-9.1
1000-N	4150E	4150.0	1104.5	57335.9	-19	-3	115.0	-3.1	-10.8	-17	-4	9.4	-4.1	-9.7
1000-N	4175E	4175.0	1105.0	57491.1	-20	-2	114.0	-2.1	-11.3	-17	-4	9.6	-4.1	-9.7
1000-N	4200E	4200.0	1105.5	57304.8	-19	-6	109.0	-6.2	-10.8	-16	-8	8.6	-8.2	-9.1
1000-N	4225E	4225.0	1105.9	57352.4	-19	-6	110.0	-6.2	-10.8	-12	-7	8.8	-7.1	-6.9
1000-N	4250E	4250.0	1106.4	57337.8	-18	-5	112.0	-5.2	-10.2	-15	-6	9.1	-6.1	-8.6
1000-N	4275E	4275.0	1106.8	57341.6	-17	-3	113.0	-3.1	-9.7	-15	-3	9.6	-3.1	-8.5
1000-N	4300E	4300.0	1107.3	57415.6	-14	-2	112.0	-2.0	-8.0	-13	-3	9.0	-3.1	-7.4
1000-N	4325E	4325.0	1107.7	57338.6	-11	0	115.0	.0	-6.3	-10	-2	9.1	-2.0	-5.7
1000-N	4350E	4350.0	1108.2	57371.2	-11	0	117.0	.0	-6.3	-7	-1	8.4	-1.0	-4.0
1000-N	4375E	4375.0	1108.6	57348.4	-17	-1	118.0	-1.0	-9.6	-11	-1	9.2	-1.0	-6.3
1000-N	4400E	4400.0	1109.1	57345.7	-23	-6	112.0	-6.3	-13.0	-20	-7	8.9	-7.3	-11.4
1000-N	4425E	4425.0	1109.5	57343.7	-17	-8	96.5	-8.2	-9.7	-14	-9	7.2	-9.2	-8.0
1000-N	4450E	4450.0	1110.0	57341.3	-22	-9	105.0	-9.4	-12.5	-15	-9	8.0	-9.2	-8.6
1000-N	4475E	4475.0	1110.5	57338.0	-23	-10	109.0	-10.5	-13.1	-21	-10	8.3	-10.4	-12.0
1000-N	4500E	4500.0	1110.9	57340.5	-27	-12	108.0	-12.9	-15.3	-22	-13	7.9	-13.6	-12.6
1000-N	4525E	4525.0	1111.4	57370.8	-24	-12	109.0	-12.7	-13.7	-20	-11	8.4	-11.4	-11.4
1000-N	4550E	4550.0	1111.8	57494.4	-25	-14	108.0	-14.9	-14.3	-21	-13	8.2	-13.6	-12.0
1000-N	4575E	4575.0	1112.3	57344.0	-19	-14	106.0	-14.5	-11.0	-14	-14	7.5	-14.3	-8.1
1000-N	4600E	4600.0	1112.7	57328.8	-19	-12	108.0	-12.4	-10.9	-15	-12	8.1	-12.3	-8.7
1000-N	4625E	4625.0	1113.2	57329.1	-26	-12	111.0	-12.8	-14.8	-19	-11	8.2	-11.4	-10.9
1000-N	4650E	4650.0	1113.6	57317.7	-23	-18	107.0	-19.0	-13.3	-21	-21	7.1	-22.0	-12.4
1000-N	4675E	4675.0	1114.1	57290.8	-29	-18	108.0	-19.6	-16.6	-24	-17	7.7	-18.0	-13.9
1000-N	4700E	4700.0	1114.5	56087.5	-25	-19	100.0	-20.2	-14.5	-20	-18	7.1	-18.7	-11.7
1000-N	4725E	4725.0	1115.0	57368.6	-31	-15	105.0	-16.5	-17.6	-26	-14	7.7	-15.0	-14.8
1000-N	4750E	4750.0	1115.5	57350.3	-26	-14	108.0	-15.0	-14.8	-24	-13	7.6	-13.8	-13.7
1000-N	4775E	4775.0	1115.9	57345.5	-28	-11	106.0	-11.9	-15.8	-24	-10	8.0	-10.6	-13.6
1000-N	4800E	4800.0	1116.4	57330.3	-23	-8	114.0	-8.4	-13.0	-24	-7	8.1	-7.4	-13.6
1000-N	4825E	4825.0	1116.8	57293.1	-27	-5	114.0	-5.4	-15.1	-20	-6	8.0	-6.2	-11.3
1000-N	4850E	4850.0	1117.3	57328.6	-34	-9	105.0	-10.0	-18.9	-32	-8	7.4	-8.8	-17.8
1000-N	4875E	4875.0	1117.7	57345.8	-23	-9	102.0	-9.5	-13.0	-20	-9	6.9	-9.4	-11.4
1000-N	4900E	4900.0	1118.2	57333.7	-27	-9	103.0	-9.7	-15.2	-24	-9	6.7	-9.5	-13.6
1000-N	4925E	4925.0	1118.6	57329.8	-25	-7	105.0	-7.4	-14.1	-22	-7	6.9	-7.3	-12.5
1000-N	4950E	4950.0	1119.1	57337.6	-17	-6	107.0	-6.2	-9.7	-15	-5	7.0	-5.1	-8.6
1000-N	4975E	4975.0	1119.5	57320.4	-24	-6	107.0	-6.3	-13.5	-17	-7	7.0	-7.2	-9.7

1000-N	5000E	5000.0	1120.0	57343.5	-24	-5	106.0	-5.3	-13.5	-15	-5	6.9	-5.1	-8.6
1075-N	3900E	3900.0	1175.0	57363.1	0	-4	101.0	-4.0	.0	0	-3	8.4	-3.0	.0
1075-N	3925E	3925.0	1175.0	57303.4	0	-3	107.0	-3.0	.0	-1	-3	8.7	-3.0	-.6
1075-N	3950E	3950.0	1175.0	57301.6	1	-3	109.0	-3.0	.6	1	-2	8.7	-2.0	.6
1075-N	3975E	3975.0	1175.0	57302.8	-4	-2	112.0	-2.0	-2.3	-4	-2	8.6	-2.0	-2.3
1075-N	4000E	4000.0	1175.0	57313.9	-2	-2	118.0	-2.0	-1.1	-2	-2	9.2	-2.0	-1.1
1075-N	4025E	4025.0	1175.0	57742.6	-11	-6	121.0	-6.1	-6.3	-10	-6	9.5	-6.1	-5.7
1075-N	4050E	4050.0	1175.0	57282.5	-9	-6	119.0	-6.0	-5.2	-9	-7	9.2	-7.1	-5.2
1075-N	4075E	4075.0	1175.0	57296.6	-12	-7	117.0	-7.1	-6.9	-11	-7	8.8	-7.1	-6.3
1075-N	4100E	4100.0	1175.0	57302.1	-19	-8	111.0	-8.3	-10.8	-16	-9	8.3	-9.2	-9.2
1075-N	4125E	4125.0	1175.0	57305.0	-19	-8	108.0	-8.3	-10.8	-18	-9	8.1	-9.3	-10.3
1075-N	4150E	4150.0	1175.0	57313.5	-24	-5	107.0	-5.3	-13.5	-21	-6	7.9	-6.3	-11.9
1075-N	4175E	4175.0	1175.0	57482.3	-14	-6	104.0	-6.1	-8.0	-15	-7	8.0	-7.2	-8.6
1075-N	4200E	4200.0	1175.0	57419.6	-18	-6	104.0	-6.2	-10.2	-21	-7	7.8	-7.3	-11.9
1075-N	4225E	4225.0	1175.0	57314.6	-16	-6	101.0	-6.2	-9.1	-16	-6	7.8	-6.2	-9.1
1075-N	4250E	4250.0	1175.0	57309.7	-18	-3	102.0	-3.1	-10.2	-18	-4	7.5	-4.1	-10.2
1075-N	4275E	4275.0	1175.0	57306.1	-15	-3	101.0	-3.1	-8.5	-13	-3	6.9	-3.1	-7.4
1075-N	4300E	4300.0	1175.0	57308.6	-14	-2	102.0	-2.0	-8.0	-15	-3	7.1	-3.1	-8.5
1075-N	4325E	4325.0	1175.0	57338.5	-17	-2	103.0	-2.1	-9.7	-13	-3	6.7	-3.1	-7.4
1075-N	4350E	4350.0	1175.0	57324.3	-19	-4	103.0	-4.1	-10.8	-16	-5	6.5	-5.1	-9.1
1075-N	4375E	4375.0	1175.0	57326.2	-19	-6	101.0	-6.2	-10.8	-17	-7	6.6	-7.2	-9.7
1075-N	4400E	4400.0	1175.0	57307.9	-24	-8	98.9	-8.5	-13.6	-21	-9	6.4	-9.4	-11.9
1075-N	4425E	4425.0	1175.0	57307.6	-23	-7	98.9	-7.4	-13.0	-18	-9	5.9	-9.3	-10.3
1075-N	4450E	4450.0	1175.0	57306.0	-24	-6	98.9	-6.3	-13.5	-19	-7	6.2	-7.3	-10.8
1075-N	4475E	4475.0	1175.0	57324.2	-29	-9	96.4	-9.8	-16.3	-24	-12	5.8	-12.7	-13.7
1075-N	4500E	4500.0	1175.0	57352.4	-27	-13	95.1	-14.0	-15.3	-25	-14	5.8	-14.9	-14.3
1075-N	4525E	4525.0	1175.0	57352.1	-29	-13	97.2	-14.1	-16.4	-25	-13	5.7	-13.8	-14.3
1075-N	4550E	4550.0	1175.0	57319.0	-26	-14	96.2	-15.0	-14.8	-20	-14	5.5	-14.6	-11.5
1075-N	4575E	4575.0	1175.0	57306.9	-25	-14	93.9	-14.9	-14.3	-21	-15	5.4	-15.7	-12.1
1075-N	4600E	4600.0	1175.0	57302.9	-25	-16	97.0	-17.0	-14.4	-22	-15	5.3	-15.7	-12.7
1075-N	4625E	4625.0	1175.0	57299.2	-24	-15	96.5	-15.9	-13.8	-21	-15	5.2	-15.7	-12.1
1075-N	4650E	4650.0	1175.0	57324.9	-22	-15	96.7	-15.7	-12.7	-17	-16	5.2	-16.5	-9.9
1075-N	4675E	4675.0	1175.0	56629.0	-22	-15	99.6	-15.7	-12.7	-16	-14	4.9	-14.4	-9.3
1075-N	4700E	4700.0	1175.0	57263.0	-23	-13	101.0	-13.7	-13.2	-17	-13	5.0	-13.4	-9.8
1075-N	4725E	4725.0	1175.0	57314.5	-25	-19	96.7	-20.2	-14.5	-21	-20	4.9	-20.9	-12.3
1075-N	4750E	4750.0	1175.0	57317.5	-35	-18	90.0	-20.3	-19.8	-31	-19	4.5	-20.9	-17.8
1075-N	4775E	4775.0	1175.0	57311.4	-30	-16	94.2	-17.5	-17.1	-22	-14	4.7	-14.7	-12.6
1075-N	4800E	4800.0	1175.0	57319.2	-23	-14	94.2	-14.8	-13.2	-16	-15	4.5	-15.4	-9.3
1075-N	4825E	4825.0	1175.0	57320.8	-19	-12	93.8	-12.4	-10.9	-14	-13	4.6	-13.3	-8.1
1075-N	4850E	4850.0	1175.0	57340.0	-18	-9	97.5	-9.3	-10.3	-17	-9	4.6	-9.3	-9.7
1075-N	4875E	4875.0	1175.0	57320.9	-17	-9	94.4	-9.3	-9.7	-11	-10	4.4	-10.1	-6.3
1075-N	4900E	4900.0	1175.0	57318.5	-22	-9	95.0	-9.4	-12.5	-18	-10	4.4	-10.3	-10.3
1075-N	4925E	4925.0	1175.0	57312.3	-27	-13	89.6	-14.0	-15.3	-25	-14	4.1	-14.9	-14.3
1150-N	3900E	3900.0	1245.0	57368.1	-6	-7	105.0	-7.0	-3.5	-4	-8	10.0	-8.0	-2.3
1150-N	3925E	3925.0	1244.8	57357.7	-6	-7	107.0	-7.0	-3.5	-3	-7	10.1	-7.0	-1.7
1150-N	3950E	3950.0	1244.5	57357.1	-2	-6	108.0	-6.0	-1.1	-1	-6	10.2	-6.0	-.6
1150-N	3975E	3975.0	1244.3	57351.8	-9	-5	106.0	-5.0	-5.2	-8	-6	10.1	-6.0	-4.6
1150-N	4000E	4000.0	1244.0	57370.6	0	-6	112.0	-6.0	.0	-1	-6	10.7	-6.0	-.6
1150-N	4025E	4025.0	1243.8	57451.3	1	-5	114.0	-5.0	.6	1	-5	10.9	-5.0	.6
1150-N	4050E	4050.0	1243.6	57317.6	3	-4	116.0	-4.0	1.7	4	-4	10.9	-4.0	2.3
1150-N	4075E	4075.0	1243.3	57303.7	-3	-2	122.0	-2.0	-1.7	-1	-2	11.3	-2.0	-.6
1150-N	4100E	4100.0	1243.1	57307.8	1	-1	129.0	-1.0	.6	0	-2	12.4	-2.0	.0
1150-N	4125E	4125.0	1242.9	57303.1	-2	-2	142.0	-2.0	-1.1	-2	-3	13.2	-3.0	-1.1
1150-N	4150E	4150.0	1242.6	57651.1	-1	-4	145.0	-4.0	-.6	-2	-4	13.5	-4.0	-1.1
1150-N	4175E	4175.0	1242.4	57294.2	-5	-5	144.0	-5.0	-2.9	-5	-5	13.7	-5.0	-2.9

1150-N	4200E	4200.0	1242.1	57315.7	-11	-7	133.0	-7.1	-6.3	-13	-7	11.7	-7.1	-7.4
1150-N	4225E	4225.0	1241.9	57315.2	-15	-8	131.0	-8.2	-8.6	-16	-9	11.8	-9.2	-9.2
1150-N	4250E	4250.0	1241.7	57315.7	-15	-9	118.0	-9.2	-8.6	-16	-10	11.4	-10.3	-9.2
1150-N	4275E	4275.0	1241.4	57316.2	-20	-8	121.0	-8.3	-11.4	-17	-9	11.0	-9.3	-9.7
1150-N	4300E	4300.0	1241.2	57315.3	-18	-7	120.0	-7.2	-10.3	-17	-8	10.7	-8.2	-9.7
1150-N	4325E	4325.0	1241.0	57337.5	-17	-5	115.0	-5.1	-9.7	-18	-5	10.7	-5.2	-10.2
1150-N	4350E	4350.0	1240.7	57370.0	-17	-6	117.0	-6.2	-9.7	-16	-7	10.7	-7.2	-9.1
1150-N	4375E	4375.0	1240.5	57324.6	-17	-5	115.0	-5.1	-9.7	-17	-7	10.6	-7.2	-9.7
1150-N	4400E	4400.0	1240.2	57318.0	-17	-7	115.0	-7.2	-9.7	-14	-8	10.4	-8.2	-8.0
1150-N	4425E	4425.0	1240.0	57448.8	-18	-5	117.0	-5.2	-10.2	-17	-7	10.8	-7.2	-9.7
1150-N	4450E	4450.0	1239.8	57327.4	-14	-7	118.0	-7.1	-8.0	-12	-8	10.7	-8.1	-6.9
1150-N	4475E	4475.0	1239.5	57315.9	-18	-9	116.0	-9.3	-10.3	-15	-9	10.6	-9.2	-8.6
1150-N	4500E	4500.0	1239.3	57339.8	-14	-12	107.0	-12.2	-8.1	-14	-10	9.9	-10.2	-8.0
1150-N	4525E	4525.0	1239.0	57317.6	-18	-15	109.0	-15.5	-10.4	-14	-13	9.7	-13.3	-8.1
1150-N	4550E	4550.0	1238.8	57310.6	-24	-14	109.0	-14.8	-13.7	-20	-13	9.7	-13.5	-11.5
1150-N	4575E	4575.0	1238.6	57305.4	-20	-14	109.0	-14.6	-11.5	-19	-14	9.5	-14.5	-11.0
1150-N	4600E	4600.0	1238.3	57294.1	-20	-11	110.0	-11.4	-11.4	-16	-12	9.2	-12.3	-9.2
1150-N	4625E	4625.0	1238.1	57194.9	-18	-11	111.0	-11.4	-10.3	-16	-11	9.7	-11.3	-9.2
1150-N	4650E	4650.0	1237.9	57232.3	-16	-12	113.0	-12.3	-9.2	-14	-11	9.6	-11.2	-8.1
1150-N	4675E	4675.0	1237.6	57359.2	-18	-11	113.0	-11.4	-10.3	-17	-10	9.8	-10.3	-9.7
1150-N	4700E	4700.0	1237.4	57347.5	-16	-10	116.0	-10.3	-9.2	-15	-10	9.7	-10.2	-8.6
1150-N	4725E	4725.0	1237.1	57341.0	-28	-11	108.0	-11.9	-15.8	-23	-11	9.2	-11.6	-13.1
1150-N	4750E	4750.0	1236.9	57332.0	-20	-9	120.0	-9.4	-11.4	-16	-9	10.0	-9.2	-9.2
1150-N	4775E	4775.0	1236.7	57317.4	-16	-15	123.0	-15.4	-9.3	-18	-14	9.8	-14.5	-10.4
1150-N	4800E	4800.0	1236.4	57328.6	-22	-13	119.0	-13.6	-12.6	-20	-14	9.2	-14.6	-11.5
1150-N	4825E	4825.0	1236.2	57324.9	-20	-12	118.0	-12.5	-11.5	-16	-12	8.8	-12.3	-9.2
1150-N	4850E	4850.0	1236.0	57318.3	-21	-12	113.0	-12.5	-12.0	-17	-12	9.0	-12.4	-9.8
1150-N	4875E	4875.0	1235.7	57326.0	-17	-10	115.0	-10.3	-9.7	-14	-9	8.8	-9.2	-8.0
1150-N	4900E	4900.0	1235.5	57343.8	-18	-8	114.0	-8.3	-10.3	-14	-8	9.0	-8.2	-8.0
1150-N	4925E	4925.0	1235.2	57375.1	-17	-9	116.0	-9.3	-9.7	-15	-9	9.3	-9.2	-8.6
1150-N	4950E	4950.0	1235.0	57395.2	-16	-8	113.0	-8.2	-9.1	-14	-9	9.1	-9.2	-8.0
1225-N	3900E	3900.0	1315.0	57326.0	-11	-10	101.0	-10.1	-6.3	-9	-10	10.2	-10.1	-5.2
1225-N	3925E	3925.0	1315.0	57333.5	-5	-10	102.0	-10.0	-2.9	-5	-9	10.5	-9.0	-2.9
1225-N	3950E	3950.0	1315.0	57332.1	-3	-9	104.0	-9.0	-1.7	-1	-8	10.2	-8.0	-1.6
1225-N	3975E	3975.0	1315.0	57343.2	2	-8	103.0	-8.0	1.2	4	-8	9.9	-8.0	2.3
1225-N	4000E	4000.0	1315.0	57327.4	-3	-8	109.0	-8.0	-1.7	0	-8	10.2	-8.0	0
1225-N	4025E	4025.0	1315.0	57305.1	-2	-8	107.0	-8.0	-1.2	0	-8	9.9	-8.0	0
1225-N	4050E	4050.0	1315.0	57307.6	-1	-8	110.0	-8.0	-1.6	-3	-8	10.3	-8.0	-1.7
1225-N	4075E	4075.0	1315.0	57319.9	-6	-8	109.0	-8.0	-3.5	-7	-8	10.1	-8.0	-4.0
1225-N	4100E	4100.0	1315.0	57342.6	5	-6	113.0	-6.0	2.9	5	-5	10.6	-5.0	2.9
1225-N	4125E	4125.0	1315.0	57313.6	9	-4	114.0	-4.0	5.2	7	-3	10.8	-3.0	4.0
1225-N	4150E	4150.0	1315.0	57320.4	10	-2	118.0	-2.0	5.7	9	-1	11.2	-1.0	5.1
1225-N	4175E	4175.0	1315.0	57323.9	6	-1	122.0	-1.0	3.4	4	-1	11.2	-1.0	2.3
1225-N	4200E	4200.0	1315.0	57287.2	13	0	130.0	0	7.4	10	0	12.1	0	5.7
1225-N	4225E	4225.0	1315.0	57431.5	8	-1	132.0	-1.0	4.6	6	-1	12.1	-1.0	3.4
1225-N	4250E	4250.0	1315.0	57313.7	-2	-3	130.0	-3.0	-1.1	-1	-3	12.4	-3.0	-1.6
1225-N	4275E	4275.0	1315.0	57317.4	-1	-2	130.0	-2.0	-1.6	0	-2	12.5	-2.0	0
1225-N	4300E	4300.0	1315.0	57373.0	-3	0	141.0	0	-1.7	-5	0	13.3	0	-2.9
1225-N	4325E	4325.0	1315.0	57344.3	-14	-1	146.0	-1.0	-8.0	-8	-3	13.8	-3.0	-4.6
1225-N	4350E	4350.0	1315.0	57335.6	-12	-6	141.0	-6.1	-6.9	-10	-6	13.0	-6.1	-5.7
1225-N	4375E	4375.0	1315.0	57374.7	-12	-5	139.0	-5.1	-6.9	-12	-6	12.9	-6.1	-6.9
1225-N	4400E	4400.0	1315.0	57346.1	-14	-5	129.0	-5.1	-8.0	-16	-7	11.6	-7.2	-9.1
1225-N	4425E	4425.0	1315.0	57330.2	-12	-5	130.0	-5.1	-6.9	-11	-5	11.6	-5.1	-6.3
1225-N	4450E	4450.0	1315.0	57325.0	-6	-5	128.0	-5.0	-3.4	-4	-5	11.4	-5.0	-2.3
1225-N	4475E	4475.0	1315.0	57316.3	-6	-5	127.0	-5.0	-3.4	-4	-5	11.1	-5.0	-2.3

1225-N	4500E	4500.0	1315.0	57316.8	-9	-4	127.0	-4.0	-5.2	-9	-4	11.5	-4.0	-5.2
1225-N	4525E	4525.0	1315.0	57315.1	-9	-7	125.0	-7.1	-5.2	-6	-7	11.1	-7.0	-3.5
1225-N	4550E	4550.0	1315.0	57360.6	-16	-11	122.0	-11.3	-9.2	-15	-11	10.7	-11.3	-8.6
1225-N	4575E	4575.0	1315.0	57300.8	-12	-16	107.0	-16.2	-7.0	-9	-15	9.6	-15.1	-5.3
1225-N	4600E	4600.0	1315.0	57291.3	-19	-15	112.0	-15.6	-11.0	-14	-15	9.6	-15.3	-8.1
1225-N	4625E	4625.0	1314.7	57262.3	-27	-15	113.0	-16.1	-15.4	-22	-15	9.5	-15.7	-12.7
1225-N	4650E	4650.0	1314.4	57123.8	-22	-14	113.0	-14.7	-12.6	-21	-14	9.7	-14.6	-12.1
1225-N	4675E	4675.0	1314.1	57272.0	-23	-14	111.0	-14.8	-13.2	-20	-13	9.1	-13.5	-11.5
1225-N	4700E	4700.0	1313.8	57378.1	-7	-13	108.0	-13.1	-4.1	-9	-12	8.9	-12.1	-5.2
1225-N	4725E	4725.0	1313.4	57352.1	-6	-11	111.0	-11.0	-3.5	-4	-10	8.9	-10.0	-2.3
1225-N	4750E	4750.0	1313.1	57341.9	-8	-8	114.0	-8.1	-4.6	-7	-8	9.3	-8.0	-4.0
1225-N	4775E	4775.0	1312.8	57335.6	-7	-6	115.0	-6.0	-4.0	-4	-6	9.5	-6.0	-2.3
1225-N	4800E	4800.0	1312.5	57328.2	-4	-6	118.0	-6.0	-2.3	-4	-5	9.7	-5.0	-2.3
1225-N	4825E	4825.0	1312.2	57326.7	-5	-6	122.0	-6.0	-2.9	-6	-6	10.0	-6.0	-3.4
1225-N	4850E	4850.0	1311.9	57320.7	-15	-9	122.0	-9.2	-8.6	-14	-9	10.1	-9.2	-8.0
1225-N	4875E	4875.0	1311.6	57318.3	-20	-15	119.0	-15.6	-11.6	-18	-14	9.8	-14.5	-10.4
1225-N	4900E	4900.0	1311.3	57319.0	-30	-15	108.0	-16.4	-17.0	-20	-15	8.7	-15.6	-11.6
1225-N	4925E	4925.0	1310.9	57334.8	-22	-13	111.0	-13.6	-12.6	-19	-13	8.7	-13.5	-10.9
1225-N	4950E	4950.0	1310.6	57340.2	-22	-14	108.0	-14.7	-12.6	-21	-14	8.6	-14.6	-12.1
1225-N	4975E	4975.0	1310.3	57337.8	-22	-12	107.0	-12.6	-12.6	-22	-12	8.3	-12.6	-12.6
1225-N	5000E	5000.0	1310.0	57290.3	-15	-10	106.0	-10.2	-8.6	-14	-10	8.3	-10.2	-8.0
1300-N	3900E	3900.0	1400.0	57347.5	-2	-9	106.0	-9.0	-1.2	-2	-9	10.6	-9.0	-1.2
1300-N	3925E	3925.0	1399.9	57336.7	-3	-10	106.0	-10.0	-1.7	-4	-10	10.4	-10.0	-2.3
1300-N	3950E	3950.0	1399.8	57338.0	0	-11	101.0	-11.0	.0	0	-9	10.1	-9.0	.0
1300-N	3975E	3975.0	1399.7	57377.8	-5	-10	108.0	-10.0	-2.9	-5	-10	10.2	-10.0	-2.9
1300-N	4000E	4000.0	1399.5	57314.4	-2	-10	106.0	-10.0	-1.2	-3	-10	9.8	-10.0	-1.7
1300-N	4025E	4025.0	1399.4	57326.2	-2	-10	106.0	-10.0	-1.2	-5	-9	10.0	-9.0	-2.9
1300-N	4050E	4050.0	1399.3	57300.2	2	-9	107.0	-9.0	1.2	-2	-9	10.0	-9.0	-1.2
1300-N	4075E	4075.0	1399.2	57334.6	3	-8	105.0	-8.0	1.7	3	-8	10.0	-8.0	1.7
1300-N	4100E	4100.0	1399.1	57301.3	2	-9	108.0	-9.0	1.2	1	-8	9.9	-8.0	.6
1300-N	4125E	4125.0	1399.0	57302.3	9	-5	111.0	-5.0	5.2	6	-5	10.2	-5.0	3.4
1300-N	4150E	4150.0	1398.8	57304.2	11	-3	113.0	-3.0	6.3	11	-4	10.4	-4.0	6.3
1300-N	4175E	4175.0	1398.7	57308.8	13	-2	115.0	-2.0	7.4	13	-2	10.4	-2.0	7.4
1300-N	4200E	4200.0	1398.6	57541.7	9	-2	124.0	-2.0	5.1	8	-2	11.2	-2.0	4.6
1300-N	4225E	4225.0	1398.5	57319.9	10	-3	123.0	-3.0	5.7	8	-3	11.6	-3.0	4.6
1300-N	4250E	4250.0	1398.4	57302.9	0	-3	129.0	-3.0	.0	1	-4	12.2	-4.0	.6
1300-N	4275E	4275.0	1398.3	57383.5	0	-3	131.0	-3.0	.0	-2	-4	11.8	-4.0	-1.1
1300-N	4300E	4300.0	1398.1	57465.5	0	-2	134.0	-2.0	.0	1	-2	12.6	-2.0	.6
1300-N	4325E	4325.0	1398.0	57320.9	8	2	131.0	2.0	4.6	10	2	11.9	2.0	5.7
1300-N	4350E	4350.0	1397.9	57312.7	8	3	128.0	3.0	4.6	8	1	11.8	1.0	4.6
1300-N	4375E	4375.0	1397.8	57357.6	7	0	127.0	.0	4.0	7	0	11.5	.0	4.0
1300-N	4400E	4400.0	1397.7	57324.9	2	1	127.0	1.0	1.1	1	0	11.0	.0	.6
1300-N	4425E	4425.0	1397.6	57320.8	2	0	126.0	.0	1.1	3	0	11.2	.0	1.7
1300-N	4450E	4450.0	1397.4	57323.3	2	0	127.0	.0	1.1	6	0	10.9	.0	3.4
1300-N	4475E	4475.0	1397.3	57326.1	13	0	118.0	.0	7.4	11	0	10.3	.0	6.3
1300-N	4500E	4500.0	1397.2	57323.2	6	0	128.0	.0	3.4	5	0	11.0	.0	2.9
1300-N	4525E	4525.0	1397.1	57315.2	7	-1	123.0	-1.0	4.0	9	-1	10.2	-1.0	5.1
1300-N	4550E	4550.0	1397.0	57315.2	-4	-3	134.0	-3.0	-2.3	-3	-4	11.5	-4.0	-1.7
1300-N	4575E	4575.0	1396.9	57299.2	-9	-8	129.0	-8.1	-5.2	-6	-7	10.8	-7.0	-3.5
1300-N	4600E	4600.0	1396.7	57246.6	-18	-10	126.0	-10.3	-10.3	-16	-11	10.3	-11.3	-9.2
1300-N	4625E	4625.0	1396.6	56917.9	-12	-12	118.0	-12.2	-6.9	-9	-12	9.4	-12.1	-5.2
1300-N	4650E	4650.0	1396.5	57346.5	-12	-13	119.0	-13.2	-7.0	-8	-12	9.3	-12.1	-4.6
1300-N	4675E	4675.0	1396.4	57358.7	-17	-14	116.0	-14.4	-9.8	-15	-13	9.3	-13.3	-8.7
1300-N	4700E	4700.0	1396.3	57339.4	-13	-12	118.0	-12.2	-7.5	-11	-11	9.1	-11.1	-6.4
1300-N	4725E	4725.0	1396.2	57337.4	-14	-12	116.0	-12.2	-8.1	-12	-11	9.1	-11.2	-6.9

1300-N	4750E	4750.0	1396.0	57332.3	-31	-14	100.0	-15.4	-17.5	-26	-14	7.8	-15.0	-14.8
1300-N	4775E	4775.0	1395.9	57328.5	-16	-12	109.0	-12.3	-9.2	-11	-12	8.7	-12.1	-6.4
1300-N	4800E	4800.0	1395.8	57332.4	-11	-10	110.0	-10.1	-6.3	-10	-11	8.6	-11.1	-5.8
1300-N	4825E	4825.0	1395.7	57327.3	0	-10	102.0	-10.0	.0	-3	-9	8.4	-9.0	-1.7
1300-N	4850E	4850.0	1395.6	57559.7	-4	-8	112.0	-8.0	-2.3	1	-8	8.6	-8.0	.6
1300-N	4875E	4875.0	1395.5	57321.5	-7	-10	110.0	-10.0	-4.0	0	-10	7.9	-10.0	.0
1300-N	4900E	4900.0	1395.3	57325.3	-14	-12	112.0	-12.2	-8.1	-13	-12	8.6	-12.2	-7.5
1300-N	4925E	4925.0	1395.2	57298.7	-18	-12	109.0	-12.4	-10.3	-17	-11	8.4	-11.3	-9.8
1300-N	4950E	4950.0	1395.1	57296.3	-19	-12	113.0	-12.4	-10.9	-17	-12	8.5	-12.4	-9.8
1300-N	4975E	4975.0	1395.0	57296.8	-20	-12	113.0	-12.5	-11.5	-18	-12	8.2	-12.4	-10.3
1375-N	3875E	3875.0	1470.0	57344.8	-8	-10	111.0	-10.1	-4.6	-7	-9	9.1	-9.0	-4.0
1375-N	3900E	3900.0	1469.9	57334.0	-2	-10	112.0	-10.0	-1.2	-3	-9	9.3	-9.0	-1.7
1375-N	3925E	3925.0	1469.8	57338.8	2	-9	107.0	-9.0	1.2	2	-9	9.1	-9.0	1.2
1375-N	3950E	3950.0	1469.6	57369.3	-9	-9	110.0	-9.1	-5.2	-8	-10	9.0	-10.1	-4.6
1375-N	3975E	3975.0	1469.5	57368.4	-8	-10	106.0	-10.1	-4.6	-7	-11	8.9	-11.1	-4.1
1375-N	4000E	4000.0	1469.4	57327.3	3	-10	102.0	-10.0	1.7	5	-10	8.5	-10.0	2.9
1375-N	4025E	4025.0	1469.3	57787.1	-7	-10	104.0	-10.0	-4.0	-7	-11	8.7	-11.1	-4.1
1375-N	4050E	4050.0	1469.1	57302.8	0	-11	104.0	-11.0	.0	0	-10	8.7	-10.0	.0
1375-N	4075E	4075.0	1469.0	57290.4	-1	-10	105.0	-10.0	-6.0	0	-10	8.7	-10.0	.0
1375-N	4100E	4100.0	1468.9	57286.4	3	-9	109.0	-9.0	1.7	4	-8	9.1	-8.0	2.3
1375-N	4125E	4125.0	1468.8	57289.9	4	-6	111.0	-6.0	2.3	5	-7	9.1	-7.0	2.9
1375-N	4150E	4150.0	1468.6	57326.9	7	-5	113.0	-5.0	4.0	9	-5	9.2	-5.0	5.2
1375-N	4175E	4175.0	1468.5	57339.6	11	-7	114.0	-7.1	6.3	9	-7	9.5	-7.1	5.2
1375-N	4200E	4200.0	1468.4	57316.6	10	-5	119.0	-5.1	5.7	6	-5	9.8	-5.0	3.4
1375-N	4225E	4225.0	1468.3	57410.2	10	-4	123.0	-4.0	5.7	12	-5	10.0	-5.1	6.9
1375-N	4250E	4250.0	1468.1	57351.0	15	-2	131.0	-2.0	8.5	15	-3	11.0	-3.1	8.5
1375-N	4275E	4275.0	1468.0	57323.5	14	-1	131.0	-1.0	8.0	13	-1	10.7	-1.0	7.4
1375-N	4300E	4300.0	1467.9	57322.2	15	0	128.0	.0	8.5	15	0	10.4	.0	8.5
1375-N	4325E	4325.0	1467.8	57339.7	16	0	126.0	.0	9.1	13	0	10.4	.0	7.4
1375-N	4350E	4350.0	1467.6	57321.7	13	1	128.0	1.0	7.4	14	0	10.4	.0	8.0
1375-N	4375E	4375.0	1467.5	57308.6	15	1	126.0	1.0	8.5	17	0	10.0	.0	9.6
1375-N	4400E	4400.0	1467.4	57317.7	9	0	124.0	.0	5.1	8	0	10.4	.0	4.6
1375-N	4425E	4425.0	1467.3	57319.1	7	-1	122.0	-1.0	4.0	8	-1	9.8	-1.0	4.6
1375-N	4450E	4450.0	1467.1	57316.9	4	-2	126.0	-2.0	2.3	7	-2	9.8	-2.0	4.0
1375-N	4475E	4475.0	1467.0	57325.4	0	0	124.0	.0	.0	1	-1	9.7	-1.0	.6
1375-N	4500E	4500.0	1466.9	57321.1	3	0	127.0	.0	1.7	3	0	9.9	.0	1.7
1375-N	4525E	4525.0	1466.8	57312.4	2	0	127.0	.0	1.1	3	0	10.0	.0	1.7
1375-N	4550E	4550.0	1466.6	57277.6	-5	0	120.0	.0	-2.9	-1	0	9.7	.0	-6
1375-N	4575E	4575.0	1466.5	56439.8	0	-7	119.0	-7.0	.0	3	-6	9.3	-6.0	1.7
1375-N	4600E	4600.0	1466.4	57339.5	-5	-9	119.0	-9.0	-2.9	-5	-8	9.3	-8.0	-2.9
1375-N	4625E	4625.0	1466.3	57337.0	-7	-9	121.0	-9.0	-4.0	-6	-8	9.5	-8.0	-3.5
1375-N	4650E	4650.0	1466.1	57333.4	-11	-10	119.0	-10.1	-6.3	-8	-9	9.3	-9.1	-4.6
1375-N	4675E	4675.0	1466.0	57336.7	-6	-14	108.0	-14.1	-3.5	0	-12	8.1	-12.0	.0
1375-N	4700E	4700.0	1465.9	57335.7	-15	-12	114.0	-12.3	-8.7	-12	-12	8.6	-12.2	-6.9
1375-N	4725E	4725.0	1465.8	57323.8	-15	-12	112.0	-12.3	-8.7	-14	-11	8.6	-11.2	-8.1
1375-N	4750E	4750.0	1465.6	57323.5	-13	-11	115.0	-11.2	-7.5	-12	-11	8.6	-11.2	-6.9
1375-N	4775E	4775.0	1465.5	57326.1	-15	-10	117.0	-10.2	-8.6	-16	-11	8.6	-11.3	-9.2
1375-N	4800E	4800.0	1465.4	57326.8	-6	-10	120.0	-10.0	-3.5	-2	-10	8.9	-10.0	-1.2
1375-N	4825E	4825.0	1465.3	57335.9	-6	-11	120.0	-11.0	-3.5	-3	-11	8.8	-11.0	-1.7
1375-N	4850E	4850.0	1465.1	57335.7	-8	-8	124.0	-8.1	-4.6	-3	-8	9.0	-8.0	-1.7
1375-N	4875E	4875.0	1465.0	57305.7	-10	-8	125.0	-8.1	-5.7	-7	-9	8.9	-9.0	-4.0
1450-N	3875E	3875.0	1565.0	57336.2	-4	-7	116.0	-7.0	-2.3	-3	-6	9.4	-6.0	-1.7
1450-N	3900E	3900.0	1564.8	57344.7	-3	-6	114.0	-6.0	-1.7	-3	-6	9.3	-6.0	-1.7
1450-N	3925E	3925.0	1564.5	57338.3	2	-6	112.0	-6.0	1.1	4	-6	8.9	-6.0	2.3
1450-N	3950E	3950.0	1564.3	57336.5	6	-9	103.0	-9.0	3.5	5	-10	8.5	-10.0	2.9

1450-N	3975E	3975.0	1564.1	57358.4	-3	-11	109.0	-11.0	-1.7	-2	-12	8.9	-12.0	-1.2
1450-N	4000E	4000.0	1563.8	57366.5	-5	-11	111.0	-11.0	-2.9	-6	-12	8.8	-12.0	-3.5
1450-N	4025E	4025.0	1563.6	57346.7	-9	-12	108.0	-12.1	-5.2	-7	-12	8.6	-12.1	-4.1
1450-N	4050E	4050.0	1563.4	57290.0	-7	-13	108.0	-13.1	-4.1	-2	-13	8.6	-13.0	-1.2
1450-N	4075E	4075.0	1563.1	57307.1	-4	-14	108.0	-14.0	-2.3	-2	-12	8.5	-12.0	-1.2
1450-N	4100E	4100.0	1562.9	57322.4	-3	-13	108.0	-13.0	-1.7	-5	-12	8.4	-12.0	-2.9
1450-N	4125E	4125.0	1562.7	57308.6	-2	-12	108.0	-12.0	-1.2	-1	-11	8.4	-11.0	-.6
1450-N	4150E	4150.0	1562.4	57291.5	-2	-11	107.0	-11.0	-1.2	-2	-10	8.2	-10.0	-1.2
1450-N	4175E	4175.0	1562.2	57332.7	0	-8	111.0	-8.0	.0	1	-9	8.4	-9.0	.6
1450-N	4200E	4200.0	1562.0	57359.4	0	-10	113.0	-10.0	.0	0	-10	8.4	-10.0	.0
1450-N	4225E	4225.0	1561.7	57303.4	3	-9	116.0	-9.0	1.7	1	-10	8.7	-10.0	.6
1450-N	4250E	4250.0	1561.5	57396.9	10	-4	117.0	-4.0	5.7	12	-4	8.9	-4.1	6.9
1450-N	4275E	4275.0	1561.3	57322.2	17	-1	116.0	-1.0	9.6	18	0	8.6	.0	10.2
1450-N	4300E	4300.0	1561.0	57325.6	28	0	118.0	.0	15.6	27	1	8.9	1.1	15.1
1450-N	4325E	4325.0	1560.8	57300.4	30	0	118.0	.0	16.7	29	0	9.1	.0	16.2
1450-N	4350E	4350.0	1560.6	57385.5	19	-1	123.0	-1.0	10.8	23	-1	8.9	-1.1	13.0
1450-N	4375E	4375.0	1560.3	57320.1	16	0	123.0	.0	9.1	16	-1	9.3	-1.0	9.1
1450-N	4400E	4400.0	1560.1	57313.5	20	0	122.0	.0	11.3	20	0	8.6	.0	11.3
1450-N	4425E	4425.0	1559.9	57303.6	16	3	126.0	3.1	9.1	17	2	9.2	2.1	9.7
1450-N	4450E	4450.0	1559.7	57309.7	10	2	130.0	2.0	5.7	13	1	9.0	1.0	7.4
1450-N	4475E	4475.0	1559.4	57306.0	8	0	127.0	.0	4.6	9	0	8.9	.0	5.1
1450-N	4500E	4500.0	1559.2	57309.3	5	0	125.0	.0	2.9	7	-1	8.6	-1.0	4.0
1450-N	4525E	4525.0	1559.0	57318.0	4	0	124.0	.0	2.3	9	0	8.3	.0	5.1
1450-N	4550E	4550.0	1558.7	57300.4	8	1	123.0	1.0	4.6	10	1	8.1	1.0	5.7
1450-N	4575E	4575.0	1558.5	57255.0	3	1	125.0	1.0	1.7	5	0	8.0	.0	2.9
1450-N	4600E	4600.0	1558.3	57044.8	4	-2	125.0	-2.0	2.3	7	-1	7.8	-1.0	4.0
1450-N	4625E	4625.0	1558.0	57334.4	1	-2	125.0	-2.0	.6	2	-1	8.1	-1.0	1.1
1450-N	4650E	4650.0	1557.8	57332.1	2	-4	124.0	-4.0	1.1	4	-3	7.8	-3.0	2.3
1450-N	4675E	4675.0	1557.6	57313.8	-3	-4	128.0	-4.0	-1.7	0	-2	8.0	-2.0	.0
1450-N	4700E	4700.0	1557.3	57315.3	0	-5	126.0	-5.0	.0	6	-4	7.3	-4.0	3.4
1450-N	4725E	4725.0	1557.1	57322.0	-3	-7	126.0	-7.0	-1.7	-1	-6	7.8	-6.0	-.6
1450-N	4750E	4750.0	1556.9	57325.3	-9	-6	123.0	-6.0	-5.2	-6	-6	7.4	-6.0	-3.4
1450-N	4775E	4775.0	1556.6	57326.4	-3	-6	124.0	-6.0	-1.7	-5	-5	7.5	-5.0	-2.9
1450-N	4800E	4800.0	1556.4	57318.9	-2	-6	124.0	-6.0	-1.1	0	-5	7.2	-5.0	.0
1450-N	4825E	4825.0	1556.2	57321.3	-6	-5	123.0	-5.0	-3.4	-8	-6	6.8	-6.0	-4.6
1450-N	4850E	4850.0	1555.9	57336.0	-3	-5	127.0	-5.0	-1.7	1	-5	6.9	-5.0	.6
1450-N	4875E	4875.0	1555.7	57393.6	-3	-4	130.0	-4.0	-1.7	0	-5	7.2	-5.0	.0
1450-N	4900E	4900.0	1555.5	57285.8	-1	-5	131.0	-5.0	-.6	1	-5	7.2	-5.0	.6
1450-N	4925E	4925.0	1555.2	57293.0	-5	-6	137.0	-6.0	-2.9	-1	-7	7.4	-7.0	-.6
1450-N	4950E	4950.0	1555.0	57301.6	0	-7	129.0	-7.0	.0	-1	-8	7.3	-8.0	-.6
3900-E	825N	3900.0	825.0	57321.4	-14	2	108.0	2.0	-8.0	-14	1	9.3	1.0	-8.0
3900-E	850N	3900.0	850.0	57353.4	-17	0	103.0	.0	-9.6	-16	0	9.1	.0	-9.1
3900-E	875N	3900.0	875.0	57379.4	-22	-1	103.0	-1.0	-12.4	-22	-2	8.8	-2.1	-12.4
3900-E	900N	3900.0	900.0	57505.4	-39	-15	105.0	-17.3	-21.7	-36	-16	9.3	-18.1	-20.2
3900-E	925N	3900.0	925.0	57264.9	-17	-3	110.0	-3.1	-9.7	-20	-3	10.0	-3.1	-11.3
3900-E	950N	3900.0	950.0	57304.1	-18	0	117.0	.0	-10.2	-21	0	10.4	.0	-11.9
3900-E	975N	3900.0	975.0	57295.6	-13	-2	105.0	-2.0	-7.4	-15	-2	9.6	-2.0	-8.5
3900-E	1000N	3900.0	1000.0	57278.5	-17	-3	108.0	-3.1	-9.7	-17	-3	9.9	-3.1	-9.7
3900-E	1025N	3900.0	1025.0	57344.0	-21	-6	109.0	-6.3	-11.9	-21	-8	9.7	-8.4	-11.9
3900-E	1050N	3900.0	1050.0	57301.9	-23	-7	112.0	-7.4	-13.0	-23	-8	10.0	-8.4	-13.0
3900-E	1075N	3900.0	1075.0	57463.7	-18	-7	114.0	-7.2	-10.3	-17	-7	10.2	-7.2	-9.7
3975-E	825N	3975.0	825.0	57301.7	-26	-1	95.1	-1.1	-14.6	-17	-2	9.1	-2.1	-9.7
3975-E	850N	3975.0	850.0	57302.2	-26	-3	97.9	-3.2	-14.6	-27	-3	8.8	-3.2	-15.1
3975-E	875N	3975.0	875.0	57307.6	-25	-7	102.0	-7.4	-14.1	-25	-8	9.1	-8.5	-14.1
3975-E	900N	3975.0	900.0	57329.2	-42	-25	119.0	-29.7	-23.9	-42	-25	10.6	-29.7	-23.9

3975-E	925N	3975.0	925.0	57285.8	-23	-6	102.0	-6.3	-13.0	-23	-7	8.9	-7.4	-13.0
3975-E	950N	3975.0	950.0	57291.2	-11	0	108.0	.0	-6.3	-6	0	9.4	.0	-3.4
3975-E	975N	3975.0	975.0	57300.4	-13	-3	104.0	-3.1	-7.4	-14	-4	9.9	-4.1	-8.0
3975-E	1000N	3975.0	1000.0	57302.0	-21	-5	109.0	-5.2	-11.9	-23	-6	9.8	-6.3	-13.0
3975-E	1025N	3975.0	1025.0	57304.7	-20	-5	114.0	-5.2	-11.3	-19	-6	10.3	-6.2	-10.8
3975-E	1050N	3975.0	1050.0	57310.9	-19	-7	117.0	-7.3	-10.8	-20	-8	10.7	-8.3	-11.4
3975-E	1075N	3975.0	1075.0	57307.6	-2	-3	117.0	-3.0	-1.1	-22	-9	10.3	-9.4	-12.5
4050-E	825N	4050.0	825.0	57312.5	-10	-1	102.0	-1.0	-5.7	-12	-1	9.6	-1.0	-6.8
4050-E	850N	4050.0	850.0	57312.9	-14	-4	102.0	-4.1	-8.0	-12	-4	9.2	-4.1	-6.9
4050-E	875N	4050.0	875.0	57380.3	-14	-4	106.0	-4.1	-8.0	-14	-4	9.8	-4.1	-8.0
4050-E	900N	4050.0	900.0	57467.0	-20	-4	107.0	-4.2	-11.3	-20	-4	9.7	-4.2	-11.3
4050-E	925N	4050.0	925.0	57652.0	-2	4	118.0	4.0	-1.1	-7	4	10.6	4.0	-4.0
4050-E	950N	4050.0	950.0	57479.9	-23	-2	104.0	-2.1	-13.0	-20	-2	9.4	-2.1	-11.3
4050-E	975N	4050.0	975.0	57450.2	-21	-6	107.0	-6.3	-11.9	-16	-7	9.8	-7.2	-9.1
4050-E	1000N	4050.0	1000.0	57760.0	-26	-8	113.0	-8.5	-14.7	-25	-8	9.8	-8.5	-14.1
4050-E	1025N	4050.0	1025.0	57382.7	-14	-7	121.0	-7.1	-8.0	-16	-7	10.5	-7.2	-9.1
4050-E	1050N	4050.0	1050.0	57281.9	-11	-7	121.0	-7.1	-6.3	-9	-6	10.7	-6.0	-5.2
4050-E	1075N	4050.0	1075.0	57273.4	-12	-7	126.0	-7.1	-6.9	-12	-7	11.1	-7.1	-6.9

## APPENDIX 'B'

### LIST OF GEOPHYSICAL MEASUREMENTS

Column	Item
1	Line number.
2	Station number.
3	Relative x coordinate.
4	Relative y coordinate.
6	Total magnetic field - gamma.
7	Vertical in-phase - Seattle - percent.
8	Vertical out-phase - Seattle - percent.
9	Horizontal field - Seattle - relative.
10	Quadrature - Seattle - percent.
11	Dip angle - Seattle - degrees.
12	Vertical in-phase - Annapolis - percent.
13	Vertical out-phase - Annapolis - percent.
14	Horizontal field - Annapolis - relative.
15	Quadrature - Annapolis - percent.
16	Dip angle - Annapolis - degrees.



475-N	3850E	3850.0	475.0	57240.1	-1	2	125.0	2.0	-6	7	0	6.6	.0	4.0
475-N	3875E	3875.0	474.8	57282.5	12	7	117.0	7.1	6.9	8	0	6.3	.0	4.6
475-N	3900E	3900.0	474.5	57289.8	14	6	116.0	6.1	8.0	12	-1	6.1	-1.0	6.8
475-N	4000E	4000.0	473.6	57283.3	19	6	106.0	6.2	10.8	3	0	6.2	.0	1.7
475-N	4000E	4000.0	473.6	57124.3	0	2	124.0	2.0	.0	12	0	6.8	.0	6.8
475-N	4025E	4025.0	473.4	58446.3	-6	-1	120.0	-1.0	-3.4	12	0	6.9	.0	6.8
475-N	4050E	4050.0	473.1	56390.4	-12	-4	118.0	-4.1	-6.9	18	-1	6.9	-1.0	10.2
475-N	4075E	4075.0	472.9	57455.3	-10	-8	103.0	-8.1	-5.7	18	-1	6.9	-1.0	10.2
475-N	4100E	4100.0	472.7	57398.5	-10	-6	104.0	-6.1	-5.7	20	-2	6.6	-2.1	11.3
475-N	4125E	4125.0	472.4	57344.9	-14	-4	113.0	-4.1	-8.0	20	-2	6.6	-2.1	11.3
475-N	4150E	4150.0	472.2	57331.0	-13	-3	111.0	-3.1	-7.4	15	-3	7.2	-3.1	8.5
475-N	4175E	4175.0	472.0	57319.8	-16	-3	113.0	-3.1	-9.1	23	-2	7.2	-2.1	13.0
475-N	4200E	4200.0	471.7	57310.4	-16	-5	109.0	-5.1	-9.1	32	0	6.6	.0	17.7
475-N	4225E	4225.0	471.5	57320.0	-20	-6	104.0	-6.2	-11.3	32	0	6.6	.0	17.7
475-N	4250E	4250.0	471.3	57312.7	-23	-6	99.4	-6.3	-13.0	26	0	6.8	.0	14.6
475-N	4275E	4275.0	471.0	57306.4	-26	-4	103.0	-4.3	-14.6	31	0	6.5	.0	17.2
475-N	4300E	4300.0	470.8	57359.3	-24	-5	95.5	-5.3	-13.5	31	0	6.6	.0	17.2
475-N	4325E	4325.0	470.6	57223.3	-23	-3	95.3	-3.2	-13.0	32	-5	6.6	-5.5	17.8
475-N	4350E	4350.0	470.3	57298.4	-22	0	95.8	.0	-12.4	25	-5	6.6	-5.3	14.1
475-N	4375E	4375.0	470.1	57297.4	-13	0	89.9	.0	-7.4	24	-4	6.4	-4.2	13.5
475-N	4400E	4400.0	469.9	57289.4	-17	2	94.7	2.1	-9.7	26	-5	6.3	-5.3	14.6
475-N	4425E	4425.0	469.7	57287.4	-19	2	96.8	2.1	-10.8	23	-2	6.1	-2.1	13.0
475-N	4450E	4450.0	469.4	57297.0	-19	3	93.7	3.1	-10.8	26	-2	6.4	-2.1	14.6
475-N	4475E	4475.0	469.2	57288.8	-13	3	92.0	3.1	-7.4	20	-9	6.0	-9.4	11.4
475-N	4500E	4500.0	469.0	57294.6	-17	4	90.7	4.1	-9.7	23	-8	6.6	-8.4	13.0
475-N	4525E	4525.0	468.7	57284.1	-10	5	90.4	5.1	-5.7	16	-9	6.2	-9.2	9.2
475-N	4550E	4550.0	468.5	57284.3	-18	6	87.4	6.2	-10.2	17	-8	6.4	-8.2	9.7
475-N	4575E	4575.0	468.3	57278.4	-19	6	84.5	6.2	-10.8	20	-9	6.3	-9.4	11.4
475-N	4600E	4600.0	468.0	57283.0	-18	5	85.6	5.2	-10.2	17	-5	6.2	-5.1	9.7
475-N	4625E	4625.0	467.8	57281.7	-17	5	83.4	5.1	-9.7	15	-6	6.1	-6.1	8.6
475-N	4650E	4650.0	467.6	57277.5	-13	7	82.6	7.1	-7.4	18	-6	6.2	-6.2	10.2
475-N	4675E	4675.0	467.3	57280.7	-4	6	81.0	6.0	-2.3	8	-9	6.2	-9.1	4.6
475-N	4700E	4700.0	467.1	57283.7	-6	8	84.4	8.0	-3.5	13	-4	6.4	-4.1	7.4
475-N	4725E	4725.0	466.9	57275.1	-11	-1	81.9	-1.0	-6.3	11	0	6.4	.0	6.3
475-N	4750E	4750.0	466.6	57264.2	-8	-1	82.0	-1.0	-4.6	8	1	5.9	1.0	4.6
475-N	4775E	4775.0	466.4	57151.1	-13	-1	78.6	-1.0	-7.4	4	1	6.6	1.0	2.3
475-N	4800E	4800.0	466.2	57407.2	-2	-1	83.9	-1.0	-1.1	0	0	6.6	.0	.0
475-N	4825E	4825.0	465.9	56618.1	-3	-3	85.2	-3.0	-1.7	7	1	6.8	1.0	4.0
475-N	4850E	4850.0	465.7	57286.0	0	-5	83.1	-5.0	.0	1	2	6.6	2.0	.6
475-N	4875E	4875.0	465.5	57342.6	2	-3	85.2	-3.0	1.1	0	3	6.6	3.0	.0
475-N	4900E	4900.0	465.2	57317.4	-2	-3	86.1	-3.0	-1.1	1	3	6.5	3.0	.6
475-N	4925E	4925.0	465.0	57291.9	1	-1	87.4	-1.0	.6	-3	2	6.6	2.0	-1.7
550-N	3900E	3900.0	530.0	57267.6	7	5	99.9	5.0	4.0	7	-3	6.1	-3.0	4.0
550-N	3925E	3925.0	529.9	57236.2	2	3	105.0	3.0	1.1	8	0	6.3	.0	4.6
550-N	3950E	3950.0	529.8	57174.6	-7	2	106.0	2.0	-4.0	10	0	6.3	.0	5.7
550-N	3975E	3975.0	529.6	57992.3	-7	0	109.0	.0	-4.0	7	-1	6.3	-1.0	4.0
550-N	4000E	4000.0	529.5	57444.8	-9	-1	108.0	-1.0	-5.1	12	-3	6.6	-3.0	6.8
550-N	4025E	4025.0	529.4	57391.8	-17	-4	106.0	-4.1	-9.7	14	-1	6.6	-1.0	8.0
550-N	4050E	4050.0	529.3	57357.7	-15	-4	104.0	-4.1	-8.5	16	0	6.7	.0	9.1
550-N	4075E	4075.0	529.1	57335.0	-17	-4	104.0	-4.1	-9.7	17	0	6.8	.0	9.6
550-N	4100E	4100.0	529.0	57313.5	-14	-3	100.0	-3.1	-8.0	21	-1	6.5	-1.0	11.9
550-N	4125E	4125.0	528.9	57314.4	-17	-3	103.0	-3.1	-9.7	18	-2	6.7	-2.1	10.2
550-N	4150E	4150.0	528.8	57309.2	-19	-1	105.0	-1.0	-10.8	13	-3	6.5	-3.1	7.4
550-N	4175E	4175.0	528.7	57313.5	-14	-1	106.0	-1.0	-8.0	22	-3	6.8	-3.1	12.4
550-N	4200E	4200.0	528.5	57318.0	-21	-4	104.0	-4.2	-11.9	30	1	6.6	1.1	16.7

550-N	4225E	4225.0	528.4	57331.0	-25	-4	99.9	-4.3	-14.1	23	1	6.3	1.1	13.0
550-N	4250E	4250.0	528.3	57650.6	-32	-4	95.8	-4.4	-17.8	24	0	6.4	.0	13.5
550-N	4275E	4275.0	528.2	57275.5	-24	-3	92.0	-3.2	-13.5	27	-3	6.5	-3.2	15.1
550-N	4300E	4300.0	528.0	57284.1	-25	-1	88.4	-1.1	-14.0	23	-3	5.9	-3.2	13.0
550-N	4325E	4325.0	527.9	57293.8	-21	0	86.3	.0	-11.9	26	-4	6.2	-4.3	14.6
550-N	4350E	4350.0	527.8	57296.4	-32	0	82.2	.0	-17.7	26	-4	5.8	-4.3	14.6
550-N	4375E	4375.0	527.7	57305.1	-18	2	85.4	2.1	-10.2	34	-2	5.8	-2.2	18.8
550-N	4400E	4400.0	527.6	57307.5	-22	3	85.5	3.1	-12.4	30	-5	6.2	-5.5	16.7
550-N	4425E	4425.0	527.4	57294.0	-17	4	83.6	4.1	-9.7	22	-8	5.9	-8.4	12.5
550-N	4450E	4450.0	527.3	57282.8	-23	6	80.0	6.3	-13.0	25	-11	6.1	-11.7	14.2
550-N	4475E	4475.0	527.2	57281.2	-15	6	81.5	6.1	-8.6	22	-9	6.0	-9.4	12.5
550-N	4500E	4500.0	527.1	57282.5	-16	6	81.9	6.2	-9.1	27	-8	6.0	-8.6	15.2
550-N	4525E	4525.0	527.0	57258.8	-13	6	79.2	6.1	-7.4	27	-8	5.9	-8.6	15.2
550-N	4550E	4550.0	526.8	57234.4	-19	6	80.5	6.2	-10.8	24	-8	6.1	-8.5	13.6
550-N	4575E	4575.0	526.7	57284.9	-17	6	79.1	6.2	-9.7	28	-8	6.0	-8.6	15.7
550-N	4600E	4600.0	526.6	57281.4	-19	7	76.6	7.3	-10.8	30	-6	6.1	-6.5	16.8
550-N	4625E	4625.0	526.5	57273.0	-16	5	73.6	5.1	-9.1	28	-6	5.8	-6.5	15.7
550-N	4650E	4650.0	526.3	57281.3	-18	4	75.5	4.1	-10.2	28	0	6.1	.0	15.6
550-N	4675E	4675.0	526.2	57265.0	-18	4	79.5	4.1	-10.2	23	1	6.3	1.1	13.0
550-N	4700E	4700.0	526.1	57193.6	-22	-2	80.2	-2.1	-12.4	24	3	6.7	3.2	13.5
550-N	4725E	4725.0	526.0	57304.1	-17	-1	79.8	-1.0	-9.6	15	0	6.8	.0	8.5
550-N	4750E	4750.0	525.9	57275.4	-15	-1	80.9	-1.0	-8.5	6	2	6.3	2.0	3.4
550-N	4775E	4775.0	525.7	57120.9	-12	-4	79.6	-4.1	-6.9	9	2	6.3	2.0	5.1
550-N	4800E	4800.0	525.6	57094.7	-10	-3	79.9	-3.0	-5.7	7	0	6.3	.0	4.0
550-N	4825E	4825.0	525.5	57251.2	-7	-3	80.8	-3.0	-4.0	4	2	6.4	2.0	2.3
550-N	4850E	4850.0	525.4	57312.6	-8	-3	84.0	-3.0	-4.6	10	3	6.7	3.0	5.7
550-N	4875E	4875.0	525.2	57316.6	-10	-5	84.3	-5.1	-5.7	16	5	6.5	5.1	9.1
550-N	4900E	4900.0	525.1	57341.3	-3	-5	82.9	-5.0	-1.7	13	2	6.9	2.0	7.4
550-N	4925E	4925.0	525.0	57299.2	-3	-4	86.1	-4.0	-1.7	19	2	6.8	2.1	10.8
625-N	3900E	3900.0	625.0	57158.6	0	5	100.0	5.0	.0	3	0	5.8	.0	1.7
625-N	3925E	3925.0	624.8	57110.2	-2	5	98.1	5.0	-1.1	3	0	5.9	.0	1.7
625-N	3950E	3950.0	624.6	57894.3	7	5	95.7	5.0	4.0	7	-2	6.0	-2.0	4.0
625-N	3975E	3975.0	624.4	57436.3	7	3	90.9	3.0	4.0	6	-2	6.1	-2.0	3.4
625-N	4000E	4000.0	624.3	57588.2	4	3	95.4	3.0	2.3	10	-4	6.0	-4.0	5.7
625-N	4025E	4025.0	624.1	57350.6	0	0	93.5	.0	.0	9	-5	6.0	-5.0	5.2
625-N	4050E	4050.0	623.9	57337.1	-1	0	90.5	.0	-.6	10	-2	6.3	-2.0	5.7
625-N	4075E	4075.0	623.7	57350.9	-6	1	99.9	1.0	-3.4	8	-3	6.0	-3.0	4.6
625-N	4100E	4100.0	623.5	57347.3	-6	2	101.0	2.0	-3.4	7	-7	6.3	-7.0	4.0
625-N	4125E	4125.0	623.3	57301.2	-3	0	94.7	.0	-1.7	18	-2	6.1	-2.1	10.2
625-N	4150E	4150.0	623.1	57303.6	-12	0	107.0	.0	-6.8	12	-1	6.7	-1.0	6.8
625-N	4175E	4175.0	623.0	57322.1	-14	-1	103.0	-1.0	-8.0	22	0	6.5	.0	12.4
625-N	4200E	4200.0	622.8	57294.7	-17	-3	98.5	-3.1	-9.7	23	1	6.2	1.1	13.0
625-N	4225E	4225.0	622.6	57347.0	-13	-1	94.0	-1.0	-7.4	22	-1	6.4	-1.0	12.4
625-N	4250E	4250.0	622.4	57334.2	-9	0	86.1	.0	-5.1	22	-4	6.2	-4.2	12.4
625-N	4275E	4275.0	622.2	57280.3	-15	0	90.2	.0	-8.5	25	-5	6.0	-5.3	14.1
625-N	4300E	4300.0	622.0	57284.7	-7	0	85.1	.0	-4.0	36	-4	5.8	-4.5	19.8
625-N	4325E	4325.0	621.9	57320.0	-15	0	89.4	.0	-8.5	23	-4	6.1	-4.2	13.0
625-N	4350E	4350.0	621.7	57299.0	-25	-2	85.7	-2.1	-14.0	35	0	5.8	.0	19.3
625-N	4375E	4375.0	621.5	57306.0	-38	-2	78.8	-2.3	-20.8	32	0	5.9	.0	17.7
625-N	4400E	4400.0	621.3	57299.6	-31	0	83.2	.0	-17.2	31	-1	5.4	-1.1	17.2
625-N	4425E	4425.0	621.1	57309.1	-38	3	76.7	3.4	-20.8	30	-5	5.8	-5.5	16.7
625-N	4450E	4450.0	620.9	57296.1	-21	4	82.1	4.2	-11.9	28	-6	5.7	-6.5	15.7
625-N	4475E	4475.0	620.7	57294.7	-19	5	78.8	5.2	-10.8	24	-9	5.4	-9.5	13.6
625-N	4500E	4500.0	620.6	57291.1	-19	5	76.6	5.2	-10.8	28	-7	5.6	-7.6	15.7
625-N	4525E	4525.0	620.4	57300.7	-18	6	77.9	6.2	-10.2	22	-7	5.6	-7.3	12.5

625-N	4550E	4550.0	620.2	57254.1	-21	7	75.7	7.3	-11.9	23	-8	5.2	-8.4	13.0
625-N	4575E	4575.0	620.0	57306.9	-23	7	73.7	7.4	-13.0	17	-10	4.5	-10.3	9.7
700-N	3800E	3800.0	715.0	57141.2	3	8	114.0	8.0	1.7	10	0	6.2	.0	5.7
700-N	3825E	3825.0	714.8	56779.5	1	7	117.0	7.0	.6	13	1	6.6	1.0	7.4
700-N	3850E	3850.0	714.6	57004.3	8	8	110.0	8.1	4.6	21	-1	5.9	-1.0	11.9
700-N	3875E	3875.0	714.4	57405.1	1	6	120.0	6.0	.6	6	-2	6.9	-2.0	3.4
700-N	3900E	3900.0	714.2	57399.5	12	5	108.0	5.1	6.9	16	0	6.4	.0	9.1
700-N	3925E	3925.0	714.0	57652.9	1	3	116.0	3.0	.6	20	-1	6.4	-1.0	11.3
700-N	3950E	3950.0	713.8	57330.0	-9	0	120.0	.0	-5.1	23	-1	6.3	-1.1	13.0
700-N	3975E	3975.0	713.5	57319.6	1	0	112.0	.0	.6	20	-2	6.7	-2.1	11.3
700-N	4000E	4000.0	713.3	57331.1	-5	0	114.0	.0	-2.9	15	-1	6.8	-1.0	8.5
700-N	4025E	4025.0	713.1	57329.0	-3	0	118.0	.0	-1.7	16	-1	6.9	-1.0	9.1
700-N	4050E	4050.0	712.9	57341.6	-5	1	117.0	1.0	-2.9	14	-1	7.1	-1.0	8.0
700-N	4075E	4075.0	712.7	57117.1	-3	1	120.0	1.0	-1.7	24	-2	6.5	-2.1	13.5
700-N	4100E	4100.0	712.5	57315.5	-2	1	112.0	1.0	-1.1	20	-1	7.2	-1.0	11.3
700-N	4125E	4125.0	712.3	57339.8	-11	-1	120.0	-1.0	-6.3	20	0	7.4	.0	11.3
700-N	4150E	4150.0	712.1	57336.9	-13	-1	115.0	-1.0	-7.4	23	0	6.7	.0	13.0
700-N	4175E	4175.0	711.9	57306.2	-13	0	113.0	.0	-7.4	28	0	6.8	.0	15.6
700-N	4200E	4200.0	711.7	57264.3	-9	0	104.0	.0	-5.1	20	-2	6.8	-2.1	11.3
700-N	4225E	4225.0	711.5	57287.8	-16	0	111.0	.0	-9.1	29	-3	6.8	-3.3	16.2
700-N	4250E	4250.0	711.3	57351.9	-27	2	103.0	2.1	-15.1	25	-2	6.6	-2.1	14.0
700-N	4275E	4275.0	711.0	57308.7	-21	1	109.0	1.0	-11.9	33	-1	6.9	-1.1	18.3
700-N	4300E	4300.0	710.8	57310.7	-23	-1	105.0	-1.1	-13.0	36	0	6.5	.0	19.8
700-N	4325E	4325.0	710.6	57302.2	-27	-1	96.3	-1.1	-15.1	38	0	6.1	.0	20.8
700-N	4350E	4350.0	710.4	57292.0	-23	2	93.0	2.1	-13.0	35	-3	6.4	-3.4	19.3
700-N	4375E	4375.0	710.2	57295.9	-21	4	91.6	4.2	-11.9	35	-6	6.4	-6.7	19.3
700-N	4400E	4400.0	710.0	57268.7	-20	5	90.9	5.2	-11.3	33	-9	6.3	-10.0	18.4
700-N	4425E	4425.0	709.8	57298.6	-17	5	86.7	5.1	-9.7	40	-10	6.1	-11.6	22.0
700-N	4450E	4450.0	709.6	57290.4	-13	4	78.4	4.1	-7.4	40	-6	5.9	-7.0	21.9
700-N	4475E	4475.0	709.4	57237.6	-18	6	84.2	6.2	-10.2	32	-8	6.0	-8.8	17.8
700-N	4500E	4500.0	709.2	57293.3	-18	5	78.9	5.2	-10.2	35	-7	6.2	-7.9	19.4
700-N	4525E	4525.0	709.0	57296.7	-25	6	80.5	6.4	-14.1	32	-7	6.2	-7.7	17.8
700-N	4550E	4550.0	708.8	57294.1	-24	5	80.1	5.3	-13.5	45	-6	6.1	-7.2	24.3
700-N	4575E	4575.0	708.5	57297.2	-31	5	81.1	5.5	-17.3	40	-3	6.4	-3.5	21.8
700-N	4600E	4600.0	708.3	57308.8	-28	5	81.0	5.4	-15.7	29	-5	6.4	-5.4	16.2
700-N	4625E	4625.0	708.1	57286.2	-33	7	78.3	7.8	-18.3	29	-3	6.2	-3.3	16.2
700-N	4650E	4650.0	707.9	57273.6	-24	4	79.8	4.2	-13.5	38	0	6.7	.0	20.8
700-N	4675E	4675.0	707.7	57278.7	-19	5	79.3	5.2	-10.8	27	1	7.0	1.1	15.1
700-N	4700E	4700.0	707.5	57321.3	-14	1	81.3	1.0	-8.0	19	-2	7.6	-2.1	10.8
700-N	4725E	4725.0	707.3	57303.3	-10	0	83.1	.0	-5.7	-23	2	6.4	2.1	-13.0
700-N	4750E	4750.0	707.1	57294.6	-19	1	83.5	1.0	-10.8	7	0	6.7	.0	4.0
700-N	4775E	4775.0	706.9	57306.5	-16	-1	83.6	-1.0	-9.1	11	1	7.0	1.0	6.3
700-N	4800E	4800.0	706.7	57162.8	-14	0	83.0	.0	-8.0	7	0	7.0	.0	4.0
700-N	4825E	4825.0	706.5	57295.3	-12	0	84.4	.0	-6.8	11	0	7.0	.0	6.3
700-N	4850E	4850.0	706.3	57323.6	-12	-2	84.1	-2.0	-6.8	19	3	6.7	3.1	10.8
700-N	4875E	4875.0	706.0	57422.0	-14	-2	81.4	-2.0	-8.0	17	0	6.8	.0	9.6
700-N	4900E	4900.0	705.8	57374.3	-7	-2	84.7	-2.0	-4.0	17	-1	6.7	-1.0	9.6
700-N	4925E	4925.0	705.6	57369.6	-14	-3	83.1	-3.1	-8.0	16	0	6.9	.0	9.1
700-N	4950E	4950.0	705.4	57364.7	-7	-1	86.1	-1.0	-4.0	9	-1	6.5	-1.0	5.1
700-N	4975E	4975.0	705.2	57359.9	0	0	86.9	.0	.0	23	-2	6.5	-2.1	13.0
700-N	5000E	5000.0	705.0	57321.0	-1	3	95.0	3.0	-.6	21	-3	6.7	-3.1	11.9
775-N	3850E	3850.0	815.0	57341.6	5	5	92.3	5.0	2.9	15	0	6.1	.0	8.5
775-N	3875E	3875.0	814.7	57345.5	-4	5	102.0	5.0	-2.3	24	0	5.7	.0	13.5
775-N	3900E	3900.0	814.3	57349.5	-6	6	101.0	6.0	-3.4	22	0	5.9	.0	12.4
775-N	3925E	3925.0	814.0	57426.7	-2	5	104.0	5.0	-1.1	17	0	6.4	.0	9.6

775-N	3950E	3950.0	813.7	57343.9	-6	4	103.0	4.0	-3.4	27	0	5.5	.0	15.1
775-N	3975E	3975.0	813.4	57527.8	-5	2	104.0	2.0	-2.9	19	0	6.1	.0	10.8
775-N	4000E	4000.0	813.0	57320.4	-10	0	104.0	.0	-5.7	20	1	6.6	1.0	11.3
775-N	4025E	4025.0	812.7	57331.6	-8	-1	102.0	-1.0	-4.6	25	2	6.3	2.1	14.0
775-N	4050E	4050.0	812.4	57310.1	-10	-1	104.0	-1.0	-5.7	24	1	6.4	1.1	13.5
775-N	4075E	4075.0	812.1	57305.9	-13	-2	103.0	-2.0	-7.4	18	2	6.5	2.1	10.2
775-N	4100E	4100.0	811.7	57311.3	-12	-1	101.0	-1.0	-6.8	19	4	6.5	4.1	10.8
775-N	4125E	4125.0	811.4	57306.3	-11	0	103.0	.0	-6.3	24	2	6.4	2.1	13.5
775-N	4150E	4150.0	811.1	57302.9	-13	1	104.0	1.0	-7.4	30	1	5.9	1.1	16.7
775-N	4175E	4175.0	810.8	57310.1	-7	2	105.0	2.0	-4.0	20	3	6.4	3.1	11.3
775-N	4200E	4200.0	810.4	57312.1	-11	1	108.0	1.0	-6.3	29	3	6.3	3.3	16.2
775-N	4225E	4225.0	810.1	57324.4	-16	1	107.0	1.0	-9.1	27	2	6.8	2.1	15.1
775-N	4250E	4250.0	809.8	57285.6	-10	0	104.0	.0	-5.7	38	2	6.3	2.3	20.8
775-N	4275E	4275.0	809.5	57294.9	-10	0	106.0	.0	-5.7	28	2	7.2	2.2	15.6
775-N	4300E	4300.0	809.1	57309.1	-21	0	109.0	.0	-11.9	49	4	6.4	5.0	26.1
775-N	4325E	4325.0	808.8	57324.5	-23	-1	108.0	-1.1	-13.0	40	4	7.3	4.6	21.8
775-N	4350E	4350.0	808.5	57372.8	-22	-3	103.0	-3.1	-12.4	47	3	6.9	3.7	25.2
775-N	4375E	4375.0	808.2	57307.8	-21	-4	99.6	-4.2	-11.9	39	3	7.1	3.5	21.3
775-N	4400E	4400.0	807.8	57305.7	-22	-2	98.3	-2.1	-12.4	38	4	7.5	4.6	20.8
775-N	4425E	4425.0	807.5	57301.2	-22	0	103.0	.0	-12.4	44	5	7.7	6.0	23.8
775-N	4450E	4450.0	807.2	57296.6	-25	0	113.0	.0	-14.0	42	4	8.6	4.7	22.8
775-N	4475E	4475.0	806.8	57294.4	-26	0	114.0	.0	-14.6	50	6	9.0	7.5	26.6
775-N	4500E	4500.0	806.5	57416.4	-28	0	123.0	.0	-15.6	42	1	10.3	1.2	22.8
775-N	4525E	4525.0	806.2	57347.0	-28	0	125.0	.0	-15.6	44	0	10.0	.0	23.7
775-N	4550E	4550.0	805.9	57326.2	-25	-2	124.0	-2.1	-14.0	40	2	10.1	2.3	21.8
775-N	4575E	4575.0	805.5	57341.8	-30	-3	123.0	-3.3	-16.7	36	2	10.3	2.3	19.8
775-N	4600E	4600.0	805.2	57312.9	-31	-5	110.0	-5.5	-17.3	31	1	9.2	1.1	17.2
775-N	4625E	4625.0	804.9	57306.4	-32	-5	98.2	-5.5	-17.8	31	3	8.7	3.3	17.2
775-N	4650E	4650.0	804.6	57299.0	-28	-6	84.7	-6.5	-15.7	26	1	8.1	1.1	14.6
775-N	4675E	4675.0	804.2	57295.0	-24	-5	70.2	-5.3	-13.5	30	0	7.9	.0	16.7
775-N	4700E	4700.0	803.9	57294.2	-29	-2	80.2	-2.2	-16.2	27	2	7.8	2.1	15.1
775-N	4725E	4725.0	803.6	57355.1	-31	-3	78.3	-3.3	-17.2	32	3	7.5	3.3	17.8
775-N	4750E	4750.0	803.3	56838.5	-27	-2	79.0	-2.1	-15.1	25	4	7.6	4.3	14.1
775-N	4775E	4775.0	802.9	57286.0	-27	-2	78.0	-2.1	-15.1	27	3	7.4	3.2	15.1
775-N	4800E	4800.0	802.6	57294.4	-28	-1	77.4	-1.1	-15.6	30	1	7.1	1.1	16.7
775-N	4825E	4825.0	802.3	57311.0	-25	-2	74.9	-2.1	-14.0	31	1	7.1	1.1	17.2
775-N	4850E	4850.0	802.0	57307.1	-24	-2	73.9	-2.1	-13.5	27	1	7.2	1.1	15.1
775-N	4875E	4875.0	801.6	57309.7	-22	-1	74.8	-1.0	-12.4	26	-1	7.4	-1.1	14.6
775-N	4900E	4900.0	801.3	57307.6	-25	-2	74.6	-2.1	-14.0	28	2	7.3	2.2	15.6
775-N	4925E	4925.0	801.0	57289.8	-27	-2	74.6	-2.1	-15.1	31	3	7.3	3.3	17.2
775-N	4950E	4950.0	800.7	57273.3	-29	0	76.3	.0	-16.2	31	-1	7.8	-1.1	17.2
775-N	4975E	4975.0	800.3	57279.7	-26	-2	77.2	-2.1	-14.6	27	-1	7.5	-1.1	15.1
775-N	5000E	5000.0	800.0	57320.0	-26	-3	73.3	-3.2	-14.6	33	0	8.2	.0	18.3
1075-N	3900E	3900.0	1175.0	57363.1	0	-4	101.0	-4.0	.0	8	6	7.7	6.0	4.6
1075-N	3925E	3925.0	1175.0	57303.4	0	-3	107.0	-3.0	.0	9	6	7.8	6.0	5.2
1075-N	3950E	3950.0	1175.0	57301.6	1	-3	109.0	-3.0	.6	8	5	7.9	5.0	4.6
1075-N	3975E	3975.0	1175.0	57302.8	-4	-2	112.0	-2.0	-2.3	5	5	8.0	5.0	2.9
1075-N	4000E	4000.0	1175.0	57313.9	-2	-2	118.0	-2.0	-1.1	10	4	8.3	4.0	5.7
1075-N	4025E	4025.0	1175.0	57742.6	-11	-6	121.0	-6.1	-6.3	19	10	8.4	10.4	10.9
1075-N	4050E	4050.0	1175.0	57282.5	-9	-6	119.0	-6.0	-5.2	23	11	8.7	11.6	13.1
1075-N	4075E	4075.0	1175.0	57296.6	-12	-7	117.0	-7.1	-6.9	28	11	8.3	11.9	15.8
1075-N	4100E	4100.0	1175.0	57302.1	-19	-8	111.0	-8.3	-10.8	35	14	7.9	15.7	19.6
1075-N	4125E	4125.0	1175.0	57305.0	-19	-8	108.0	-8.3	-10.8	29	13	8.1	14.1	16.4
1075-N	4150E	4150.0	1175.0	57313.5	-24	-5	107.0	-5.3	-13.5	33	13	8.2	14.4	18.5
1075-N	4175E	4175.0	1175.0	57482.3	-14	-6	104.0	-6.1	-8.0	30	11	8.2	12.0	16.9

1075-N	4200E	4200.0	1175.0	57419.6	-18	-6	104.0	-6.2	-10.2	33	8	8.4	8.9	18.4
1075-N	4225E	4225.0	1175.0	57314.6	-16	-6	101.0	-6.2	-9.1	32	6	7.9	6.6	17.8
1075-N	4250E	4250.0	1175.0	57309.7	-18	-3	102.0	-3.1	-10.2	31	8	8.0	8.8	17.3
1075-N	4275E	4275.0	1175.0	57306.1	-15	-3	101.0	-3.1	-8.5	30	7	8.1	7.6	16.8
1075-N	4300E	4300.0	1175.0	57308.6	-14	-2	102.0	-2.0	-8.0	31	9	8.2	9.9	17.3
1075-N	4325E	4325.0	1175.0	57338.5	-17	-2	103.0	-2.1	-9.7	31	10	8.2	11.0	17.4
1075-N	4350E	4350.0	1175.0	57324.3	-19	-4	103.0	-4.1	-10.8	37	14	8.3	16.0	20.6
1075-N	4375E	4375.0	1175.0	57326.2	-19	-6	101.0	-6.2	-10.8	34	13	8.1	14.5	19.0
1075-N	4400E	4400.0	1175.0	57307.9	-24	-8	98.9	-8.5	-13.6	34	15	8.2	16.8	19.1
1075-N	4425E	4425.0	1175.0	57307.6	-23	-7	98.9	-7.4	-13.0	38	15	8.1	17.2	21.2
1075-N	4450E	4450.0	1175.0	57306.0	-24	-6	98.9	-6.3	-13.5	42	17	7.6	20.1	23.3
1075-N	4475E	4475.0	1175.0	57324.2	-29	-9	96.4	-9.8	-16.3	41	17	8.1	19.9	22.8
1075-N	4500E	4500.0	1175.0	57352.4	-27	-13	95.1	-14.0	-15.3	31	17	8.7	18.7	17.7
1075-N	4525E	4525.0	1175.0	57352.1	-29	-13	97.2	-14.1	-16.4	36	11	8.6	12.4	20.0
1075-N	4550E	4550.0	1175.0	57319.0	-26	-14	96.2	-15.0	-14.8	21	10	9.0	10.4	12.0
1075-N	4575E	4575.0	1175.0	57306.9	-25	-14	93.9	-14.9	-14.3	31	13	8.0	14.3	17.5
1075-N	4600E	4600.0	1175.0	57302.9	-25	-16	97.0	-17.0	-14.4	23	14	8.9	14.8	13.2
1075-N	4625E	4625.0	1175.0	57299.2	-24	-15	96.5	-15.9	-13.8	23	15	8.9	15.8	13.2
1075-N	4650E	4650.0	1175.0	57324.9	-22	-15	96.7	-15.7	-12.7	29	14	8.8	15.2	16.5
1075-N	4675E	4675.0	1175.0	56629.0	-22	-15	99.6	-15.7	-12.7	23	9	9.3	9.5	13.0
1075-N	4700E	4700.0	1175.0	57263.0	-23	-13	101.0	-13.7	-13.2	40	9	7.4	10.5	21.9
1075-N	4725E	4725.0	1175.0	57314.5	-25	-19	96.7	-20.2	-14.5	24	12	9.1	12.7	13.7
1075-N	4750E	4750.0	1175.0	57317.5	-35	-18	90.0	-20.3	-19.8	23	8	9.4	8.4	13.0
1075-N	4775E	4775.0	1175.0	57311.4	-30	-16	94.2	-17.5	-17.1	27	8	9.1	8.6	15.2
1075-N	4800E	4800.0	1175.0	57319.2	-23	-14	94.2	-14.8	-13.2	46	5	6.7	6.1	24.7
1075-N	4825E	4825.0	1175.0	57320.8	-19	-12	93.8	-12.4	-10.9	38	7	7.4	8.0	20.9
1075-N	4850E	4850.0	1175.0	57340.0	-18	-9	97.5	-9.3	-10.3	32	5	7.8	5.5	17.8
1075-N	4875E	4875.0	1175.0	57320.9	-17	-9	94.4	-9.3	-9.7	46	3	6.8	3.6	24.7
1075-N	4900E	4900.0	1175.0	57318.5	-22	-9	95.0	-9.4	-12.5	27	2	9.1	2.1	15.1
1075-N	4925E	4925.0	1175.0	57312.3	-27	-13	89.6	-14.0	-15.3	33	4	8.9	4.4	18.3
1150-N	3900E	3900.0	1245.0	57368.1	-6	-7	105.0	-7.0	-3.5	16	8	6.9	8.2	9.1
1150-N	3925E	3925.0	1244.8	57357.7	-6	-7	107.0	-7.0	-3.5	10	9	6.9	9.1	5.8
1150-N	3950E	3950.0	1244.5	57357.1	-2	-6	108.0	-6.0	-1.1	10	7	7.3	7.1	5.7
1150-N	3975E	3975.0	1244.3	57351.8	-9	-5	106.0	-5.0	-5.2	11	7	7.0	7.1	6.3
1150-N	4000E	4000.0	1244.0	57370.6	0	-6	112.0	-6.0	.0	12	7	7.3	7.1	6.9
1150-N	4025E	4025.0	1243.8	57451.3	1	-5	114.0	-5.0	.6	9	7	7.2	7.1	5.2
1150-N	4050E	4050.0	1243.6	57317.6	3	-4	116.0	-4.0	1.7	17	6	6.9	6.2	9.7
1150-N	4075E	4075.0	1243.3	57303.7	-3	-2	122.0	-2.0	-1.7	9	4	7.7	4.0	5.2
1150-N	4100E	4100.0	1243.1	57307.8	1	-1	129.0	-1.0	.6	12	5	8.1	5.1	6.9
1150-N	4125E	4125.0	1242.9	57303.1	-2	-2	142.0	-2.0	-1.1	21	7	8.6	7.3	11.9
1150-N	4150E	4150.0	1242.6	57651.1	-1	-4	145.0	-4.0	-.6	17	5	9.8	5.1	9.7
1150-N	4175E	4175.0	1242.4	57294.2	-5	-5	144.0	-5.0	-2.9	30	7	8.8	7.6	16.8
1150-N	4200E	4200.0	1242.1	57315.7	-11	-7	133.0	-7.1	-6.3	37	7	7.9	8.0	20.4
1150-N	4225E	4225.0	1241.9	57315.2	-15	-8	131.0	-8.2	-8.6	35	12	8.3	13.5	19.5
1150-N	4250E	4250.0	1241.7	57315.7	-15	-9	118.0	-9.2	-8.6	33	12	8.2	13.3	18.5
1150-N	4275E	4275.0	1241.4	57316.2	-20	-8	121.0	-8.3	-11.4	44	14	7.5	16.8	24.1
1150-N	4300E	4300.0	1241.2	57315.3	-18	-7	120.0	-7.2	-10.3	44	16	7.2	19.2	24.2
1150-N	4325E	4325.0	1241.0	57337.5	-17	-5	115.0	-5.1	-9.7	38	16	7.6	18.4	21.2
1150-N	4350E	4350.0	1240.7	57370.0	-17	-6	117.0	-6.2	-9.7	40	14	8.0	16.3	22.1
1150-N	4375E	4375.0	1240.5	57324.6	-17	-5	115.0	-5.1	-9.7	39	14	7.7	16.2	21.6
1150-N	4400E	4400.0	1240.2	57318.0	-17	-7	115.0	-7.2	-9.7	39	17	7.6	19.7	21.8
1150-N	4425E	4425.0	1240.0	57448.8	-18	-5	117.0	-5.2	-10.2	27	12	8.8	12.9	15.3
1150-N	4450E	4450.0	1239.8	57327.4	-14	-7	118.0	-7.1	-8.0	33	12	8.2	13.3	18.5
1150-N	4475E	4475.0	1239.5	57315.9	-18	-9	116.0	-9.3	-10.3	26	10	8.6	10.7	14.7
1150-N	4500E	4500.0	1239.3	57339.8	-14	-12	107.0	-12.2	-8.1	28	10	7.8	10.8	15.8

1150-N	4525E	4525.0	1239.0	57317.6	-18	-15	109.0	-15.5	-10.4	24	10	8.0	10.6	13.6
1150-N	4550E	4550.0	1238.8	57310.6	-24	-14	109.0	-14.8	-13.7	-29	-14	7.1	-15.2	-16.5
1150-N	4575E	4575.0	1238.6	57305.4	-20	-14	109.0	-14.6	-11.5	17	9	8.7	9.3	9.7
1150-N	4600E	4600.0	1238.3	57294.1	-20	-11	110.0	-11.4	-11.4	15	10	8.8	10.2	8.6
1150-N	4625E	4625.0	1238.1	57194.9	-18	-11	111.0	-11.4	-10.3	16	10	9.3	10.3	9.2
1150-N	4650E	4650.0	1237.9	57232.3	-16	-12	113.0	-12.3	-9.2	18	5	8.7	5.2	10.2
1150-N	4675E	4675.0	1237.6	57359.2	-18	-11	113.0	-11.4	-10.3	7	5	9.4	5.0	4.0
1150-N	4700E	4700.0	1237.4	57347.5	-16	-10	116.0	-10.3	-9.2	10	5	9.5	5.1	5.7
1150-N	4725E	4725.0	1237.1	57341.0	-28	-11	108.0	-11.9	-15.8	11	5	9.9	5.1	6.3
1150-N	4750E	4750.0	1236.9	57332.0	-20	-9	120.0	-9.4	-11.4	9	5	9.8	5.0	5.2
1150-N	4775E	4775.0	1236.7	57317.4	-16	-15	123.0	-15.4	-9.3	20	11	9.2	11.4	11.4
1150-N	4800E	4800.0	1236.4	57328.6	-22	-13	119.0	-13.6	-12.6	20	6	9.1	6.2	11.3
1150-N	4825E	4825.0	1236.2	57324.9	-20	-12	118.0	-12.5	-11.5	19	7	8.7	7.3	10.8
1150-N	4850E	4850.0	1236.0	57318.3	-21	-12	113.0	-12.5	-12.0	23	7	8.4	7.4	13.0
1150-N	4875E	4875.0	1235.7	57326.0	-17	-10	115.0	-10.3	-9.7	21	5	8.5	5.2	11.9
1150-N	4900E	4900.0	1235.5	57343.8	-18	-8	114.0	-8.3	-10.3	17	4	9.0	4.1	9.7
1150-N	4925E	4925.0	1235.2	57375.1	-17	-9	116.0	-9.3	-9.7	18	4	8.9	4.1	10.2
1150-N	4950E	4950.0	1235.0	57395.2	-16	-8	113.0	-8.2	-9.1	25	2	8.4	2.1	14.0
1225-N	3900E	3900.0	1315.0	57326.0	-11	-10	101.0	-10.1	-6.3	15	11	7.1	11.3	8.6
1225-N	3925E	3925.0	1314.9	57333.5	-5	-10	102.0	-10.0	-2.9	17	10	7.2	10.3	9.7
1225-N	3950E	3950.0	1314.8	57332.1	-3	-9	104.0	-9.0	-1.7	14	9	7.4	9.2	8.0
1225-N	3975E	3975.0	1314.7	57343.2	2	-8	103.0	-8.0	1.2	16	10	7.5	10.3	9.2
1225-N	4000E	4000.0	1314.5	57327.4	-3	-8	109.0	-8.0	-1.7	22	8	7.3	8.4	12.5
1225-N	4025E	4025.0	1314.4	57305.1	-2	-8	107.0	-8.0	-1.2	15	9	7.8	9.2	8.6
1225-N	4050E	4050.0	1314.3	57307.6	-1	-8	110.0	-8.0	-.6	11	8	7.9	8.1	6.3
1225-N	4075E	4075.0	1314.2	57319.9	-6	-8	109.0	-8.0	-3.5	18	8	8.0	8.3	10.3
1225-N	4100E	4100.0	1314.1	57342.6	5	-6	113.0	-6.0	2.9	0	-1	8.5	-1.0	.0
1225-N	4125E	4125.0	1314.0	57313.6	9	-4	114.0	-4.0	5.2	-3	0	8.1	.0	-1.7
1225-N	4150E	4150.0	1313.9	57320.4	10	-2	118.0	-2.0	5.7	11	1	7.9	1.0	6.3
1225-N	4175E	4175.0	1313.8	57323.9	6	-1	122.0	-1.0	3.4	3	3	8.4	3.0	1.7
1225-N	4200E	4200.0	1313.6	57287.2	13	0	130.0	.0	7.4	0	3	8.5	3.0	.0
1225-N	4225E	4225.0	1313.5	57431.5	8	-1	132.0	-1.0	4.6	13	6	8.8	6.1	7.4
1225-N	4250E	4250.0	1313.4	57313.7	-2	-3	130.0	-3.0	-1.1	23	7	9.0	7.4	13.0
1225-N	4275E	4275.0	1313.3	57317.4	-1	-2	130.0	-2.0	-.6	24	7	8.9	7.4	13.6
1225-N	4300E	4300.0	1313.2	57373.0	-3	0	141.0	.0	-1.7	23	5	9.8	5.3	13.0
1225-N	4325E	4325.0	1313.1	57344.3	-14	-1	146.0	-1.0	-8.0	26	9	10.1	9.6	14.7
1225-N	4350E	4350.0	1313.0	57335.6	-12	-6	141.0	-6.1	-6.9	24	11	10.2	11.6	13.6
1225-N	4375E	4375.0	1312.8	57374.7	-12	-5	139.0	-5.1	-6.9	22	9	10.3	9.4	12.5
1225-N	4400E	4400.0	1312.7	57346.1	-14	-5	129.0	-5.1	-8.0	13	9	9.8	9.2	7.5
1225-N	4425E	4425.0	1312.6	57330.2	-12	-5	130.0	-5.1	-6.9	14	9	9.6	9.2	8.0
1225-N	4450E	4450.0	1312.5	57325.0	-6	-5	128.0	-5.0	-3.4	19	9	9.1	9.3	10.8
1225-N	4475E	4475.0	1312.4	57316.3	-6	-5	127.0	-5.0	-3.4	22	9	8.7	9.4	12.5
1225-N	4500E	4500.0	1312.3	57316.8	-9	-4	127.0	-4.0	-5.2	14	8	9.1	8.2	8.0
1225-N	4525E	4525.0	1312.2	57315.1	-9	-7	125.0	-7.1	-5.2	20	10	8.7	10.4	11.4
1225-N	4550E	4550.0	1312.0	57360.6	-16	-11	122.0	-11.3	-9.2	15	12	9.0	12.3	8.7
1225-N	4575E	4575.0	1311.9	57300.8	-12	-16	107.0	-16.2	-7.0	12	12	8.5	12.2	6.9
1225-N	4600E	4600.0	1311.8	57291.3	-19	-15	112.0	-15.6	-11.0	20	12	8.5	12.5	11.5
1225-N	4625E	4625.0	1311.7	57262.3	-27	-15	113.0	-16.1	-15.4	15	11	8.6	11.3	8.6
1225-N	4650E	4650.0	1311.6	57123.8	-22	-14	113.0	-14.7	-12.6	12	10	8.8	10.1	6.9
1225-N	4675E	4675.0	1311.5	57272.0	-23	-14	111.0	-14.8	-13.2	5	4	8.9	4.0	2.9
1225-N	4700E	4700.0	1311.4	57378.1	-7	-13	108.0	-13.1	-4.1	6	4	8.8	4.0	3.4
1225-N	4725E	4725.0	1311.3	57352.1	-6	-11	111.0	-11.0	-3.5	7	3	9.2	3.0	4.0
1225-N	4750E	4750.0	1311.1	57341.9	-8	-8	114.0	-8.1	-4.6	2	2	9.1	2.0	1.1
1225-N	4775E	4775.0	1311.0	57335.6	-7	-6	115.0	-6.0	-4.0	0	2	9.0	2.0	.0
1225-N	4800E	4800.0	1310.9	57328.2	-4	-6	118.0	-6.0	-2.3	2	3	8.9	3.0	1.1

1225-N	4825E	4825.0	1310.8	57326.7	-5	-6	122.0	-6.0	-2.9	5	4	9.1	4.0	2.9
1225-N	4850E	4850.0	1310.7	57320.7	-15	-9	122.0	-9.2	-8.6	11	8	9.0	8.1	6.3
1225-N	4875E	4875.0	1310.6	57318.3	-20	-15	119.0	-15.6	-11.6	23	10	8.5	10.5	13.1
1225-N	4900E	4900.0	1310.5	57319.0	-30	-15	108.0	-16.4	-17.0	19	10	8.6	10.4	10.9
1225-N	4925E	4925.0	1310.3	57334.8	-22	-13	111.0	-13.6	-12.6	18	9	8.3	9.3	10.3
1225-N	4950E	4950.0	1310.2	57340.2	-22	-14	108.0	-14.7	-12.6	15	8	8.4	8.2	8.6
1225-N	4975E	4975.0	1310.1	57337.8	-22	-12	107.0	-12.6	-12.6	12	4	8.6	4.1	6.9
1225-N	5000E	5000.0	1310.0	57290.3	-15	-10	106.0	-10.2	-8.6	19	3	8.3	3.1	10.8
1300-N	3900E	3900.0	1400.0	57347.5	-2	-9	106.0	-9.0	-1.2	17	10	7.5	10.3	9.7
1300-N	3925E	3925.0	1399.9	57336.7	-3	-10	106.0	-10.0	-1.7	16	9	7.7	9.2	9.2
1300-N	3950E	3950.0	1399.8	57338.0	0	-11	101.0	-11.0	.0	21	9	7.4	9.4	11.9
1300-N	3975E	3975.0	1399.7	57377.8	-5	-10	108.0	-10.0	-2.9	21	12	7.4	12.5	12.0
1300-N	4000E	4000.0	1399.5	57314.4	-2	-10	106.0	-10.0	-1.2	15	9	7.7	9.2	8.6
1300-N	4025E	4025.0	1399.4	57326.2	-2	-10	106.0	-10.0	-1.2	20	8	7.4	8.3	11.4
1300-N	4050E	4050.0	1399.3	57300.2	2	-9	107.0	-9.0	1.2	23	8	7.4	8.4	13.0
1300-N	4075E	4075.0	1399.2	57334.6	3	-8	105.0	-8.0	1.7	17	7	7.9	7.2	9.7
1300-N	4100E	4100.0	1399.1	57301.3	2	-9	108.0	-9.0	1.2	10	0	7.9	.0	5.7
1300-N	4125E	4125.0	1399.0	57302.3	9	-5	111.0	-5.0	5.2	10	2	7.9	2.0	5.7
1300-N	4150E	4150.0	1398.8	57304.2	11	-3	113.0	-3.0	6.3	10	4	8.1	4.0	5.7
1300-N	4175E	4175.0	1398.7	57308.8	13	-2	115.0	-2.0	7.4	13	5	7.5	5.1	7.4
1300-N	4200E	4200.0	1398.6	57541.7	9	-2	124.0	-2.0	5.1	9	6	9.2	6.0	5.2
1300-N	4225E	4225.0	1398.5	57319.9	10	-3	123.0	-3.0	5.7	12	6	9.6	6.1	6.9
1300-N	4250E	4250.0	1398.4	57302.9	0	-3	129.0	-3.0	.0	14	6	9.9	6.1	8.0
1300-N	4275E	4275.0	1398.3	57383.5	0	-3	131.0	-3.0	.0	15	7	9.9	7.2	8.6
1300-N	4300E	4300.0	1398.1	57465.5	0	-2	134.0	-2.0	.0	7	4	11.0	4.0	4.0
1300-N	4325E	4325.0	1398.0	57320.9	8	2	131.0	2.0	4.6	4	0	10.0	.0	2.3
1300-N	4350E	4350.0	1397.9	57312.7	8	3	128.0	3.0	4.6	2	1	9.5	1.0	1.1
1300-N	4375E	4375.0	1397.8	57357.6	7	0	127.0	.0	4.0	5	3	9.0	3.0	2.9
1300-N	4400E	4400.0	1397.7	57324.9	2	1	127.0	1.0	1.1	8	3	8.9	3.0	4.6
1300-N	4425E	4425.0	1397.6	57320.8	2	0	126.0	.0	1.1	7	4	9.1	4.0	4.0
1300-N	4450E	4450.0	1397.4	57323.3	2	0	127.0	.0	1.1	5	3	9.1	3.0	2.9
1300-N	4475E	4475.0	1397.3	57326.1	13	0	118.0	.0	7.4	23	4	6.5	4.2	13.0
1300-N	4500E	4500.0	1397.2	57323.2	6	0	128.0	.0	3.4	8	3	9.1	3.0	4.6
1300-N	4525E	4525.0	1397.1	57315.2	7	-1	123.0	-1.0	4.0	18	5	7.8	5.2	10.2
1300-N	4550E	4550.0	1397.0	57315.2	-4	-3	134.0	-3.0	-2.3	13	7	9.2	7.1	7.4
1300-N	4575E	4575.0	1396.9	57299.2	-9	-8	129.0	-8.1	-5.2	22	11	8.1	11.5	12.5
1300-N	4600E	4600.0	1396.7	57246.6	-18	-10	126.0	-10.3	-10.3	15	9	9.7	9.2	8.6
1300-N	4625E	4625.0	1396.6	56917.9	-12	-12	118.0	-12.2	-6.9	19	6	8.7	6.2	10.8
1300-N	4650E	4650.0	1396.5	57346.5	-12	-13	119.0	-13.2	-7.0	13	5	9.2	5.1	7.4
1300-N	4675E	4675.0	1396.4	57358.7	-17	-14	116.0	-14.4	-9.8	8	5	9.6	5.0	4.6
1300-N	4700E	4700.0	1396.3	57339.4	-13	-12	118.0	-12.2	-7.5	4	5	9.7	5.0	2.3
1300-N	4725E	4725.0	1396.2	57337.4	-14	-12	116.0	-12.2	-8.1	7	6	9.4	6.0	4.0
1300-N	4750E	4750.0	1396.0	57332.3	-31	-14	100.0	-15.4	-17.5	2	8	8.8	8.0	1.2
1300-N	4775E	4775.0	1395.9	57328.5	-16	-12	109.0	-12.3	-9.2	13	7	8.6	7.1	7.4
1300-N	4800E	4800.0	1395.8	57332.4	-11	-10	110.0	-10.1	-6.3	9	7	8.9	7.1	5.2
1300-N	4825E	4825.0	1395.7	57327.3	0	-10	102.0	-10.0	.0	8	8	8.9	8.1	4.6
1300-N	4850E	4850.0	1395.6	57559.7	-4	-8	112.0	-8.0	-2.3	10	8	9.1	8.1	5.7
1300-N	4875E	4875.0	1395.5	57321.5	-7	-10	110.0	-10.0	-4.0	20	7	8.8	7.3	11.4
1300-N	4900E	4900.0	1395.3	57325.3	-14	-12	112.0	-12.2	-8.1	19	8	9.3	8.3	10.8
1300-N	4925E	4925.0	1395.2	57298.7	-18	-12	109.0	-12.4	-10.3	22	7	9.2	7.3	12.5
1300-N	4950E	4950.0	1395.1	57296.3	-19	-12	113.0	-12.4	-10.9	25	5	8.7	5.3	14.1
1300-N	4975E	4975.0	1395.0	57296.8	-20	-12	113.0	-12.5	-11.5	15	6	9.6	6.1	8.6
1375-N	3875E	3875.0	1470.0	57344.8	-8	-10	111.0	-10.1	-4.6	9	10	7.9	10.1	5.2
1375-N	3900E	3900.0	1469.9	57334.0	-2	-10	112.0	-10.0	-1.2	3	10	7.1	10.0	1.7
1375-N	3925E	3925.0	1469.8	57338.8	2	-9	107.0	-9.0	1.2	17	10	7.8	10.3	9.7

1375-N	3950E	3950.0	1469.6	57369.3	-9	-9	110.0	-9.1	-5.2	16	11	8.0	11.3	9.2
1375-N	3975E	3975.0	1469.5	57368.4	-8	-10	106.0	-10.1	-4.6	14	9	8.1	9.2	8.0
1375-N	4000E	4000.0	1469.4	57327.3	3	-10	102.0	-10.0	1.7	16	9	8.1	9.2	9.2
1375-N	4025E	4025.0	1469.3	57787.1	-7	-10	104.0	-10.0	-4.0	13	7	8.6	7.1	7.4
1375-N	4050E	4050.0	1469.1	57302.8	0	-11	104.0	-11.0	.0	8	3	8.4	3.0	4.6
1375-N	4075E	4075.0	1469.0	57290.4	-1	-10	105.0	-10.0	-.6	7	4	8.5	4.0	4.0
1375-N	4100E	4100.0	1468.9	57286.4	3	-9	109.0	-9.0	1.7	1	7	8.2	7.0	.6
1375-N	4125E	4125.0	1468.8	57289.9	4	-6	111.0	-6.0	2.3	8	7	8.6	7.0	4.6
1375-N	4150E	4150.0	1468.6	57326.9	7	-5	113.0	-5.0	4.0	8	8	8.8	8.1	4.6
1375-N	4175E	4175.0	1468.5	57339.6	11	-7	114.0	-7.1	6.3	17	8	9.1	8.2	9.7
1375-N	4200E	4200.0	1468.4	57316.6	10	-5	119.0	-5.1	5.7	6	3	9.9	3.0	3.4
1375-N	4225E	4225.0	1468.3	57410.2	10	-4	123.0	-4.0	5.7	6	3	10.3	3.0	3.4
1375-N	4250E	4250.0	1468.1	57351.0	15	-2	131.0	-2.0	8.5	2	4	10.4	4.0	1.1
1375-N	4275E	4275.0	1468.0	57323.5	14	-1	131.0	-1.0	8.0	-5	0	10.2	.0	-2.9
1375-N	4300E	4300.0	1467.9	57322.2	15	0	128.0	.0	8.5	-4	3	9.8	3.0	-2.3
1375-N	4325E	4325.0	1467.8	57339.7	16	0	126.0	.0	9.1	1	4	9.4	4.0	.6
1375-N	4350E	4350.0	1467.6	57321.7	13	1	128.0	1.0	7.4	0	4	9.2	4.0	.0
1375-N	4375E	4375.0	1467.5	57308.6	15	1	126.0	1.0	8.5	4	4	9.7	4.0	2.3
1375-N	4400E	4400.0	1467.4	57317.7	9	0	124.0	.0	5.1	7	5	9.1	5.0	4.0
1375-N	4425E	4425.0	1467.3	57319.1	7	-1	122.0	-1.0	4.0	5	4	9.2	4.0	2.9
1375-N	4450E	4450.0	1467.1	57316.9	4	-2	126.0	-2.0	2.3	1	5	9.5	5.0	.6
1375-N	4475E	4475.0	1467.0	57325.4	0	0	124.0	.0	.0	0	3	9.5	3.0	.0
1375-N	4500E	4500.0	1466.9	57321.1	3	0	127.0	.0	1.7	-2	1	9.2	1.0	-1.1
1375-N	4525E	4525.0	1466.8	57312.4	2	0	127.0	.0	1.1	-6	2	9.1	2.0	-3.4
1375-N	4550E	4550.0	1466.6	57277.6	-5	0	120.0	.0	-2.9	-5	3	8.9	3.0	-2.9
1375-N	4575E	4575.0	1466.5	56439.8	0	-7	119.0	-7.0	.0	15	6	8.8	6.1	8.6
1375-N	4600E	4600.0	1466.4	57339.5	-5	-9	119.0	-9.0	-2.9	3	3	9.7	3.0	1.7
1375-N	4625E	4625.0	1466.3	57337.0	-7	-9	121.0	-9.0	-4.0	7	3	9.2	3.0	4.0
1375-N	4650E	4650.0	1466.1	57333.4	-11	-10	119.0	-10.1	-6.3	3	6	9.7	6.0	1.7
1375-N	4675E	4675.0	1466.0	57336.7	-6	-14	108.0	-14.1	-3.5	8	7	9.6	7.0	4.6
1375-N	4700E	4700.0	1465.9	57335.7	-15	-12	114.0	-12.3	-8.7	4	8	9.5	8.0	2.3
1375-N	4725E	4725.0	1465.8	57323.8	-15	-12	112.0	-12.3	-8.7	6	7	9.2	7.0	3.5
1375-N	4750E	4750.0	1465.6	57323.5	-13	-11	115.0	-11.2	-7.5	11	6	9.4	6.1	6.3
1375-N	4775E	4775.0	1465.5	57326.1	-15	-10	117.0	-10.2	-8.6	7	7	9.8	7.0	4.0
1375-N	4800E	4800.0	1465.4	57326.8	-6	-10	120.0	-10.0	-3.5	12	7	10.2	7.1	6.9
1375-N	4825E	4825.0	1465.3	57335.9	-6	-11	120.0	-11.0	-3.5	25	9	9.6	9.6	14.1
1375-N	4850E	4850.0	1465.1	57335.7	-8	-8	124.0	-8.1	-4.6	10	4	10.6	4.0	5.7
1375-N	4875E	4875.0	1465.0	57305.7	-10	-8	125.0	-8.1	-5.7	15	4	10.0	4.1	8.5
1450-N	3875E	3875.0	1565.0	57336.2	-4	-7	116.0	-7.0	-2.3	9	6	8.1	6.0	5.2
1450-N	3900E	3900.0	1564.8	57344.7	-3	-6	114.0	-6.0	-1.7	11	8	7.9	8.1	6.3
1450-N	3925E	3925.0	1564.5	57338.3	2	-6	112.0	-6.0	1.1	15	9	8.0	9.2	8.6
1450-N	3950E	3950.0	1564.3	57336.5	6	-9	103.0	-9.0	3.5	15	10	8.1	10.2	8.6
1450-N	3975E	3975.0	1564.1	57358.4	-3	-11	109.0	-11.0	-1.7	16	10	8.1	10.3	9.2
1450-N	4000E	4000.0	1563.8	57366.5	-5	-11	111.0	-11.0	-2.9	17	10	8.2	10.3	9.7
1450-N	4025E	4025.0	1563.6	57346.7	-9	-12	108.0	-12.1	-5.2	17	11	8.3	11.3	9.8
1450-N	4050E	4050.0	1563.4	57290.0	-7	-13	108.0	-13.1	-4.1	8	5	8.4	5.0	4.6
1450-N	4075E	4075.0	1563.1	57307.1	-4	-14	108.0	-14.0	-2.3	7	4	8.6	4.0	4.0
1450-N	4100E	4100.0	1562.9	57322.4	-3	-13	108.0	-13.0	-1.7	7	6	8.5	6.0	4.0
1450-N	4125E	4125.0	1562.7	57308.6	-2	-12	108.0	-12.0	-1.2	5	8	8.6	8.0	2.9
1450-N	4150E	4150.0	1562.4	57291.5	-2	-11	107.0	-11.0	-1.2	10	8	8.8	8.1	5.7
1450-N	4175E	4175.0	1562.2	57332.7	0	-8	111.0	-8.0	.0	8	9	9.1	9.1	4.6
1450-N	4200E	4200.0	1562.0	57359.4	0	-10	113.0	-10.0	.0	5	7	9.6	7.0	2.9
1450-N	4225E	4225.0	1561.7	57303.4	3	-9	116.0	-9.0	1.7	-1	4	9.9	4.0	-.6
1450-N	4250E	4250.0	1561.5	57396.9	10	-4	117.0	-4.0	5.7	-14	-2	10.1	-2.0	-8.0
1450-N	4275E	4275.0	1561.3	57322.2	17	-1	116.0	-1.0	9.6	-13	-1	9.7	-1.0	-7.4



1450-N	4300E	4300.0	1561.0	57325.6	28	0	118.0	.0	15.6	-15	0	9.5	.0	-8.5
1450-N	4325E	4325.0	1560.8	57300.4	30	0	118.0	.0	16.7	-12	1	9.6	1.0	-6.8
1450-N	4350E	4350.0	1560.6	57385.5	19	-1	123.0	-1.0	10.8	-5	5	9.3	5.0	-2.9
1450-N	4375E	4375.0	1560.3	57320.1	16	0	123.0	.0	9.1	-4	4	9.4	4.0	-2.3
1450-N	4400E	4400.0	1560.1	57313.5	20	0	122.0	.0	11.3	-5	3	9.6	3.0	-2.9
1450-N	4425E	4425.0	1559.9	57303.6	16	3	126.0	3.1	9.1	-5	3	9.6	3.0	-2.9
1450-N	4450E	4450.0	1559.7	57309.7	10	2	130.0	2.0	5.7	-4	1	9.1	1.0	-2.3
1450-N	4475E	4475.0	1559.4	57306.0	8	0	127.0	.0	4.6	-2	3	9.4	3.0	-1.1
1450-N	4500E	4500.0	1559.2	57309.3	5	0	125.0	.0	2.9	0	4	9.1	4.0	.0
1450-N	4525E	4525.0	1559.0	57318.0	4	0	124.0	.0	2.3	-1	2	9.4	2.0	-.6
1450-N	4550E	4550.0	1558.7	57300.4	8	1	123.0	1.0	4.6	-5	1	9.3	1.0	-2.9
1450-N	4575E	4575.0	1558.5	57255.0	3	1	125.0	1.0	1.7	-3	2	9.6	2.0	-1.7
1450-N	4600E	4600.0	1558.3	57044.8	4	-2	125.0	-2.0	2.3	-2	0	9.5	.0	-1.1
1450-N	4625E	4625.0	1558.0	57334.4	1	-2	125.0	-2.0	.6	-2	0	9.3	.0	-1.1
1450-N	4650E	4650.0	1557.8	57332.1	2	-4	124.0	-4.0	1.1	0	1	9.4	1.0	.0
1450-N	4675E	4675.0	1557.6	57313.8	-3	-4	128.0	-4.0	-1.7	0	1	9.7	1.0	.0
1450-N	4700E	4700.0	1557.3	57315.3	0	-5	126.0	-5.0	.0	-1	3	10.0	3.0	-.6
1450-N	4725E	4725.0	1557.1	57322.0	-3	-7	126.0	-7.0	-1.7	6	4	9.4	4.0	3.4
1450-N	4750E	4750.0	1556.9	57325.3	-9	-6	123.0	-6.0	-5.2	2	3	10.0	3.0	1.1
1450-N	4775E	4775.0	1556.6	57326.4	-3	-6	124.0	-6.0	-1.7	5	3	9.7	3.0	2.9
1450-N	4800E	4800.0	1556.4	57318.9	-2	-6	124.0	-6.0	-1.1	2	2	10.1	2.0	1.1
1450-N	4825E	4825.0	1556.2	57321.3	-6	-5	123.0	-5.0	-3.4	-1	2	10.2	2.0	-.6
1450-N	4850E	4850.0	1555.9	57336.0	-3	-5	127.0	-5.0	-1.7	3	2	10.3	2.0	1.7
1450-N	4875E	4875.0	1555.7	57393.6	-3	-4	130.0	-4.0	-1.7	1	3	10.6	3.0	.6
1450-N	4900E	4900.0	1555.5	57285.8	-1	-5	131.0	-5.0	-.6	0	1	10.9	1.0	.0
1450-N	4925E	4925.0	1555.2	57293.0	-5	-6	137.0	-6.0	-2.9	6	5	11.1	5.0	3.4
1450-N	4950E	4950.0	1555.0	57301.6	0	-7	129.0	-7.0	.0	3	4	11.1	4.0	1.7
3900-E	825N	3900.0	825.0	57321.4	-14	2	108.0	2.0	-8.0	26	5	6.4	5.3	14.6
3900-E	850N	3900.0	850.0	57353.4	-17	0	103.0	.0	-9.6	37	10	6.2	11.4	20.5
3900-E	875N	3900.0	875.0	57379.4	-22	-1	103.0	-1.0	-12.4	38	15	6.4	17.2	21.2
3900-E	900N	3900.0	900.0	57505.4	-39	-15	105.0	-17.3	-21.7	55	25	6.7	32.9	30.0
3900-E	925N	3900.0	925.0	57264.9	-17	-3	110.0	-3.1	-9.7	37	6	6.8	6.8	20.4
3900-E	950N	3900.0	950.0	57304.1	-18	0	117.0	.0	-10.2	29	2	7.5	2.2	16.2
3900-E	975N	3900.0	975.0	57295.6	-13	-2	105.0	-2.0	-7.4	29	3	7.2	3.3	16.2
3900-E	1000N	3900.0	1000.0	57278.5	-17	-3	108.0	-3.1	-9.7	34	7	7.2	7.8	18.9
3900-E	1025N	3900.0	1025.0	57344.0	-21	-6	109.0	-6.3	-11.9	45	6	6.8	7.2	24.3
3900-E	1050N	3900.0	1050.0	57301.9	-23	-7	112.0	-7.4	-13.0	43	9	7.3	10.7	23.4
3900-E	1075N	3900.0	1075.0	57463.7	-18	-7	114.0	-7.2	-10.3	48	11	6.9	13.6	25.9
3975-E	825N	3975.0	825.0	57301.7	-26	-1	95.1	-1.1	-14.6	29	7	6.4	7.6	16.2
3975-E	850N	3975.0	850.0	57302.2	-26	-3	97.9	-3.2	-14.6	28	11	6.5	11.9	15.8
3975-E	875N	3975.0	875.0	57307.6	-25	-7	102.0	-7.4	-14.1	48	16	6.0	19.8	26.1
3975-E	900N	3975.0	900.0	57329.2	-42	-25	119.0	-29.7	-23.9	71	27	7.9	41.3	36.7
3975-E	925N	3975.0	925.0	57285.8	-23	-6	102.0	-6.3	-13.0	42	14	6.9	16.5	23.1
3975-E	950N	3975.0	950.0	57291.2	-11	0	108.0	.0	-6.3	34	1	6.2	1.1	18.8
3975-E	975N	3975.0	975.0	57300.4	-13	-3	104.0	-3.1	-7.4	43	8	6.1	9.5	23.4
3975-E	1000N	3975.0	1000.0	57302.0	-21	-5	109.0	-5.2	-11.9	37	12	7.1	13.7	20.5
3975-E	1025N	3975.0	1025.0	57304.7	-20	-5	114.0	-5.2	-11.3	39	12	7.3	13.8	21.6
3975-E	1050N	3975.0	1050.0	57310.9	-19	-7	117.0	-7.3	-10.8	43	14	7.0	16.6	23.6
3975-E	1075N	3975.0	1075.0	57307.6	-2	-3	117.0	-3.0	-1.1	46	14	7.0	17.0	25.1
4050-E	825N	4050.0	825.0	57312.5	-10	-1	102.0	-1.0	-5.7	23	3	6.6	3.2	13.0
4050-E	850N	4050.0	850.0	57312.9	-14	-4	102.0	-4.1	-8.0	24	6	6.7	6.3	13.5
4050-E	875N	4050.0	875.0	57380.3	-14	-4	106.0	-4.1	-8.0	25	7	6.8	7.4	14.1
4050-E	900N	4050.0	900.0	57467.0	-20	-4	107.0	-4.2	-11.3	28	9	7.0	9.7	15.8
4050-E	925N	4050.0	925.0	57652.0	-2	4	118.0	4.0	-1.1	15	-7	8.1	-7.2	8.6
4050-E	950N	4050.0	950.0	57479.9	-23	-2	104.0	-2.1	-13.0	28	6	7.1	6.5	15.7

SA

4

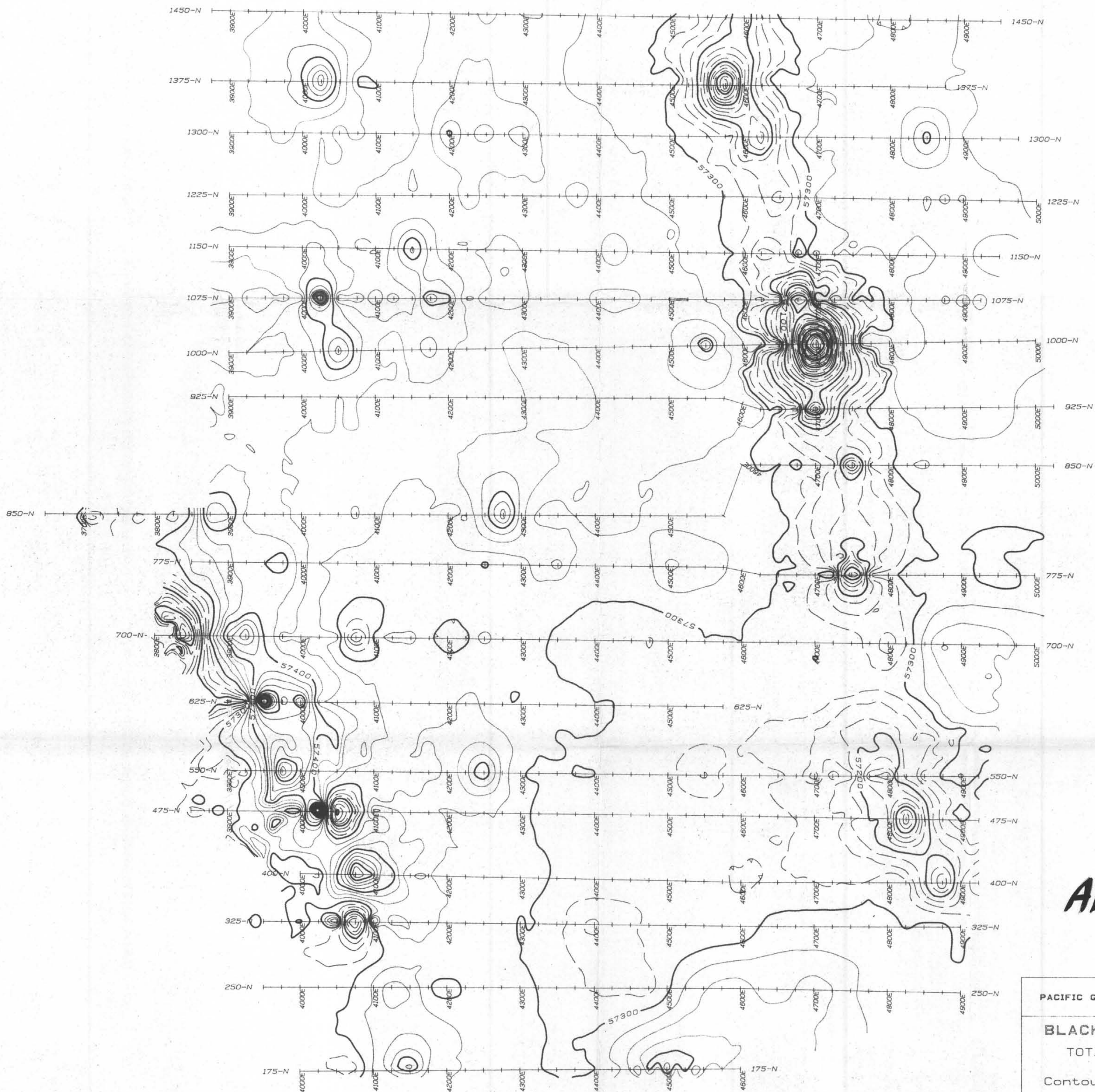
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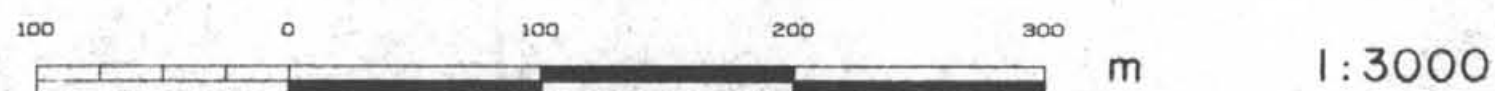
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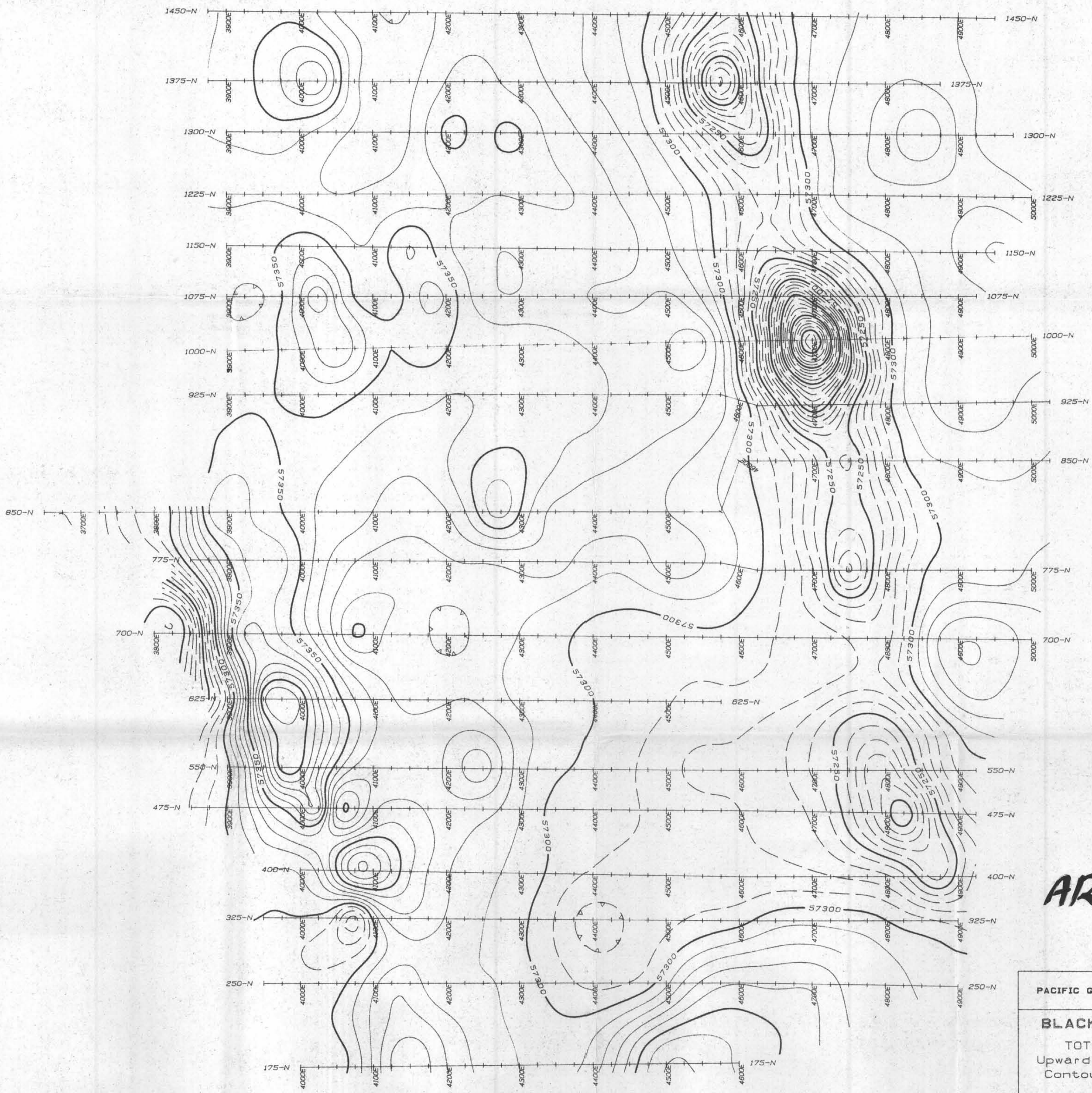
4050-E	975N	4050.0	975.0	57450.2	-21	-6	107.0	-6.3	-11.9	32	11	7.3	12.1	17.9
4050-E	1000N	4050.0	1000.0	57760.0	-26	-8	113.0	-8.5	-14.7	29	11	7.8	11.9	16.3
4050-E	1025N	4050.0	1025.0	57382.7	-14	-7	121.0	-7.1	-8.0	32	10	7.8	11.0	17.9
4050-E	1050N	4050.0	1050.0	57281.9	-11	-7	121.0	-7.1	-6.3	34	10	7.7	11.2	18.9
4050-E	1075N	4050.0	1075.0	57273.4	-12	-7	126.0	-7.1	-6.9	36	11	7.4	12.4	20.0



**AR 23054**

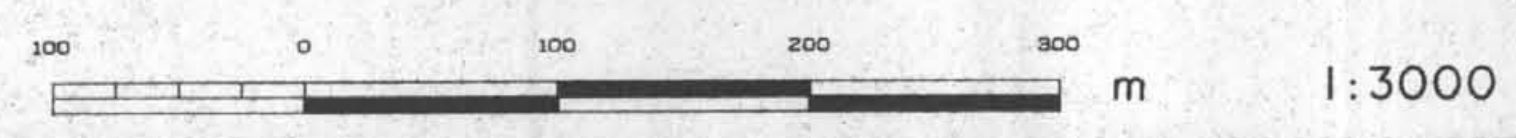


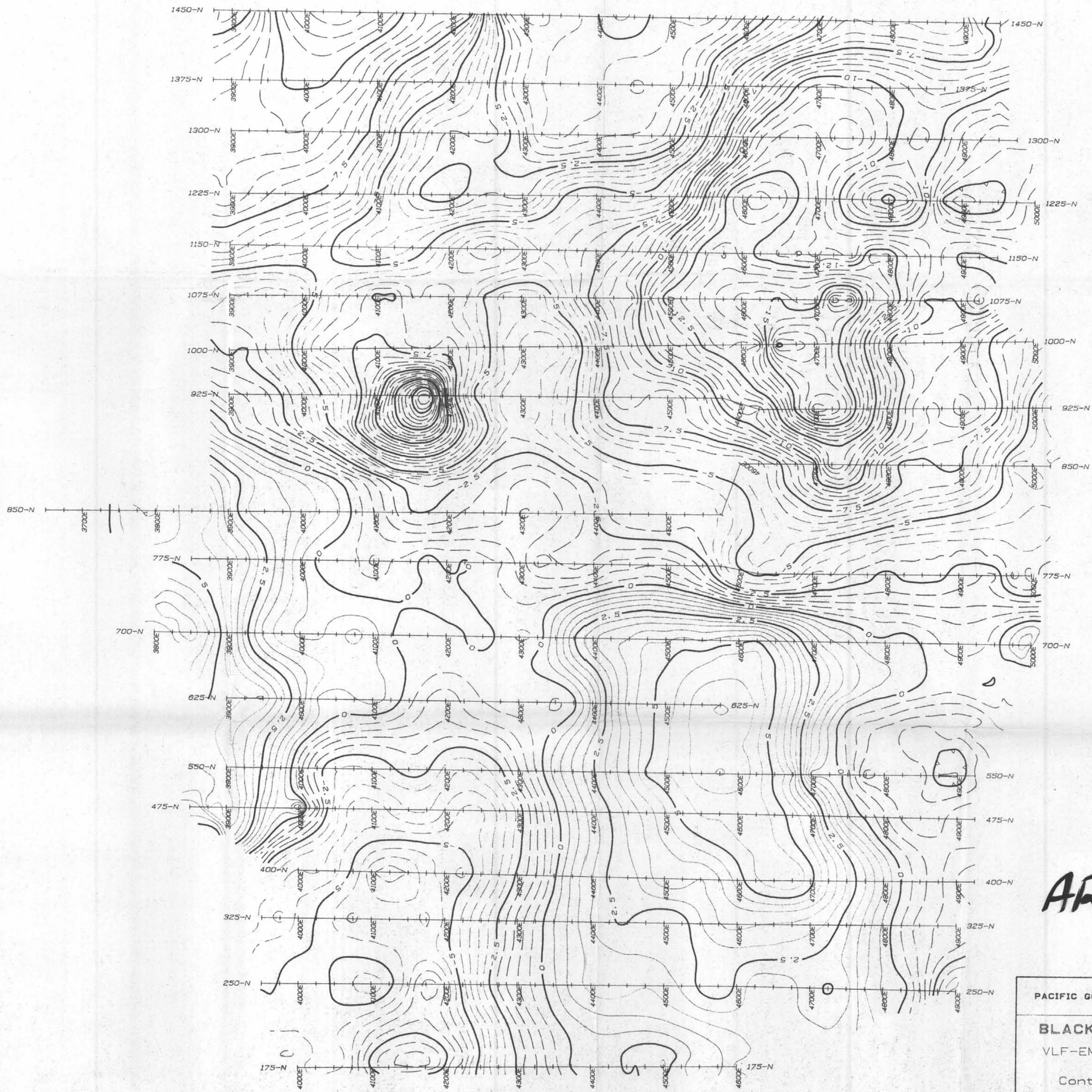
PACIFIC GOLDEN SPIKE RESOURCES LTD.			
<b>BLACK PRINCE PROJECT</b>			
TOTAL MAGNETIC FIELD			
Contour Interval 25 gamma			
Slocan Mining Division, British Columbia			
Donegal Developments Ltd			
COMPILED	N.T.S	DATE	FIG. NO
F. Syberg	82F/14W	JULY, 1993	1



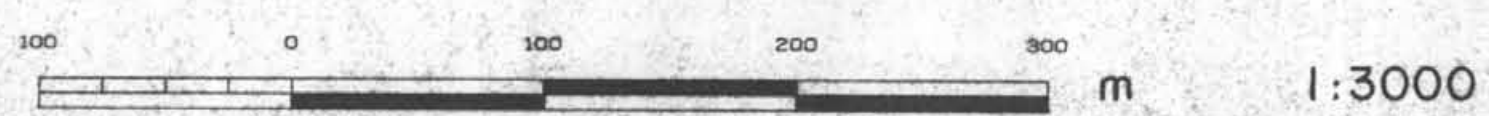
**AR 23054**

PACIFIC GOLDEN SPIKE RESOURCES LTD.			
<b>BLACK PRINCE PROJECT</b>			
TOTAL MAGNETIC FIELD			
Upward Continued 25 meters			
Contour Interval 10 gamma			
Slocan Mining Division, British Columbia			
Donegal Developments Ltd			
COMPILED	N.T.S.	DATE	FIG. NO.
F. Syberg	82F/14W	JULY, 1993	2

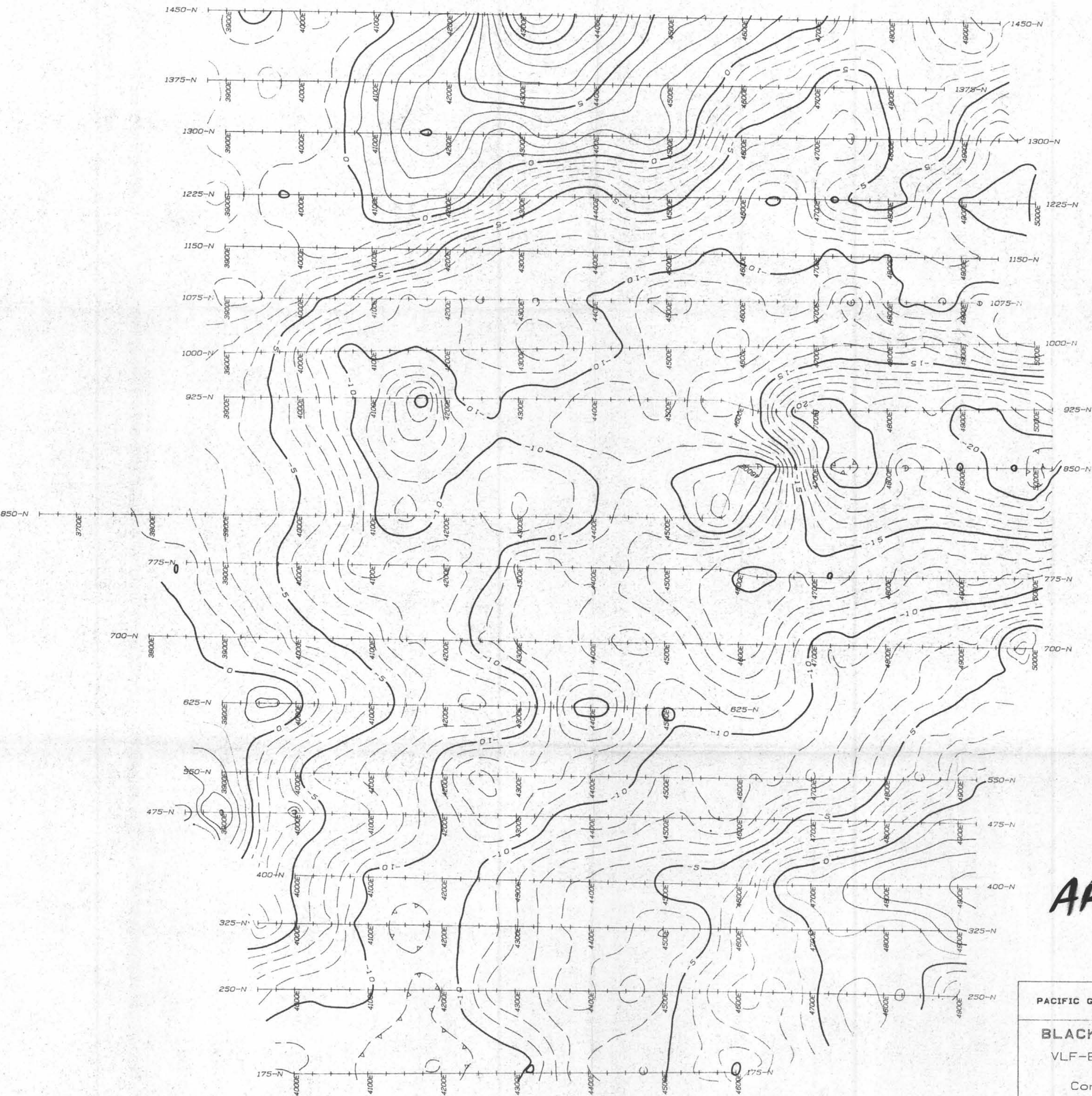




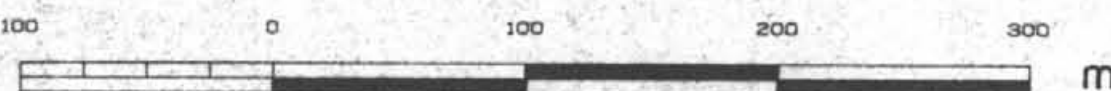
**AR 23054**



PACIFIC GOLDEN SPIKE RESOURCES LTD.			
BLACK PRINCE PROJECT			
VLF-EM HAWAII QUADRATURE			
Contour Interval 0.5%			
Slocan Mining Division, British Columbia			
Donegal Developments Ltd			
COMPILED	N.T.S	DATE	FIG. NO
F. Syberg	92F/14W	JULY, 1993	3A

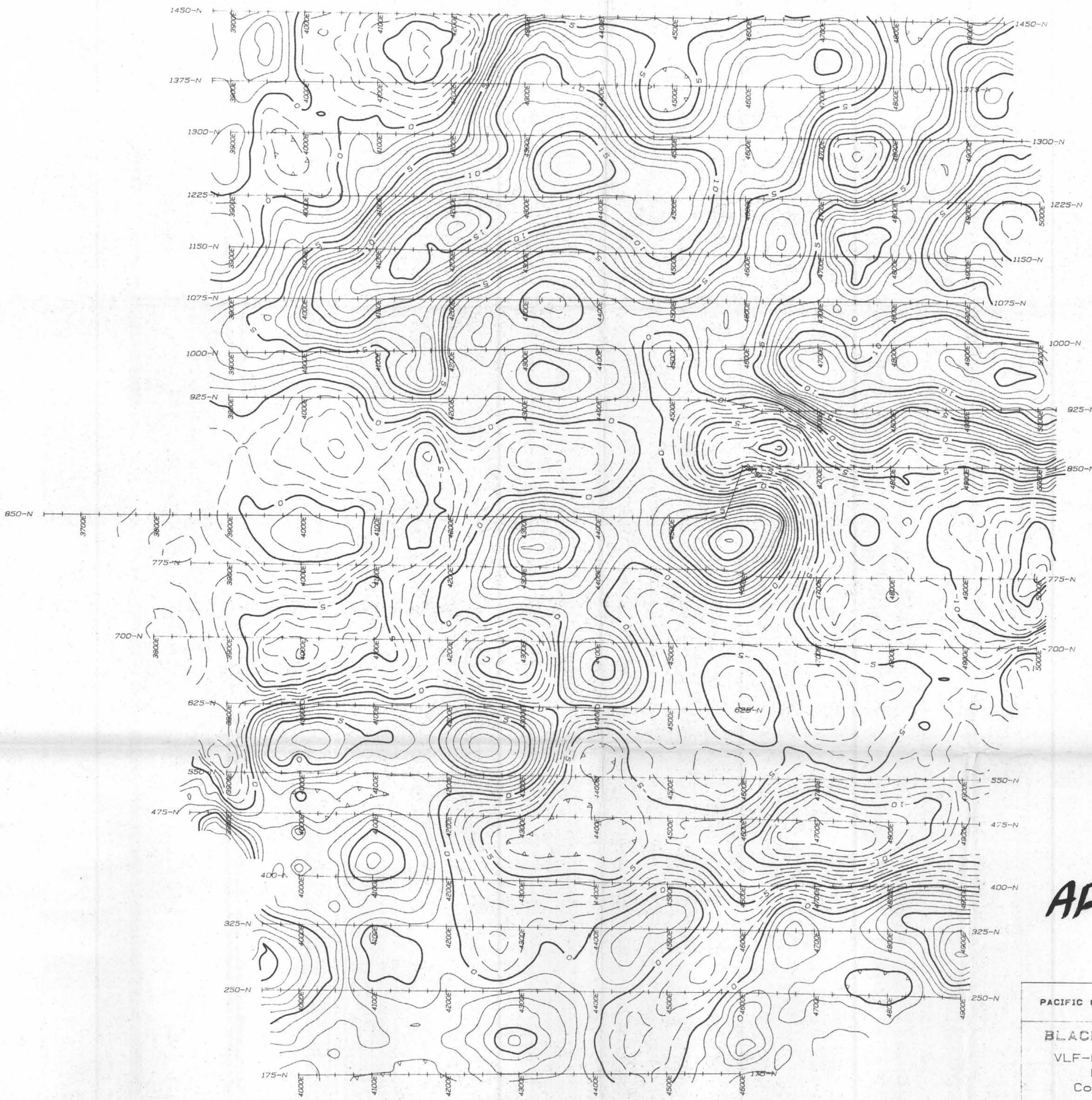


**AR 23054**

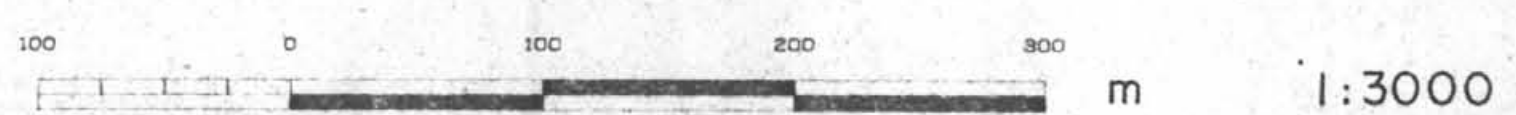


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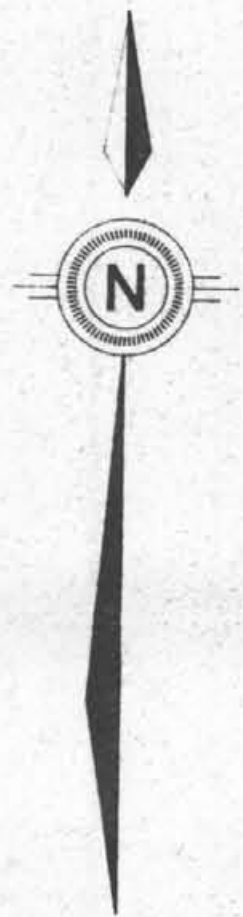
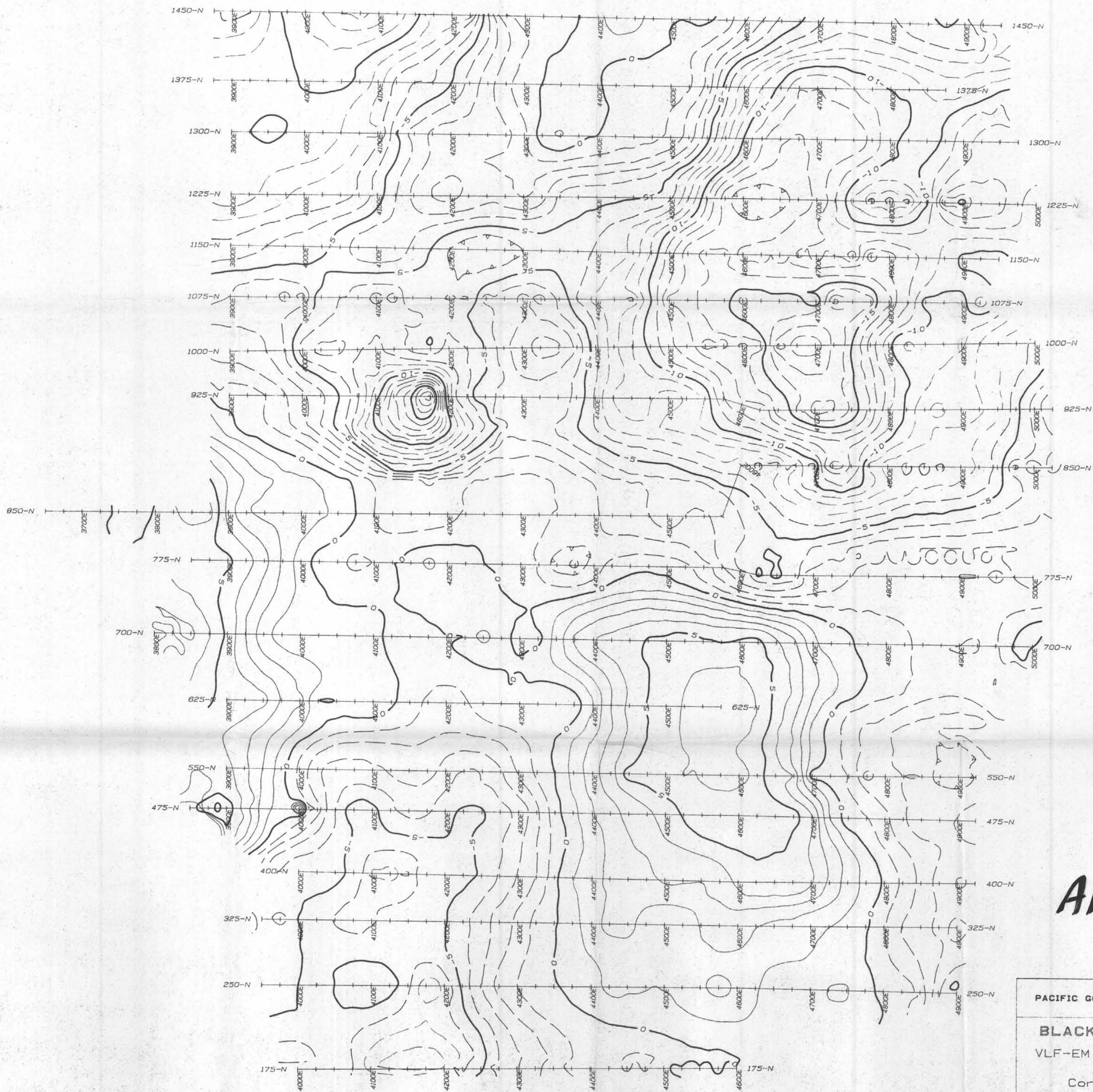
PACIFIC GOLDEN SPIKE RESOURCES LTD.			
BLACK PRINCE PROJECT			
VLF-EM HAWAII DIP ANGLE			
Contour Interval 1°			
Slocan Mining Division, British Columbia			
Donegal Developments Ltd			
COMPILED	N.T.S	DATE	FIG. NO
F. Syberg	82F/14W	JULY, 1983	3B



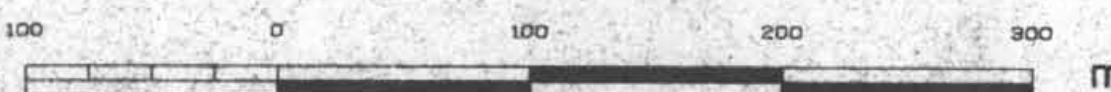
**AR 23054**



PACIFIC GOLDEN SPIKE RESOURCES LTD.			
BLACK PRINCE PROJECT			
VLF-EM HAWAII DIP ANGLE			
Fraser Filtered			
Contour Interval 1"			
Slocan Mining Division, British Columbia			
Donegal Developments Ltd			
COMPILED	N.T.S	DATE	FIG. NO
F. Syberg	82F/14W	JULY, 1993	3C



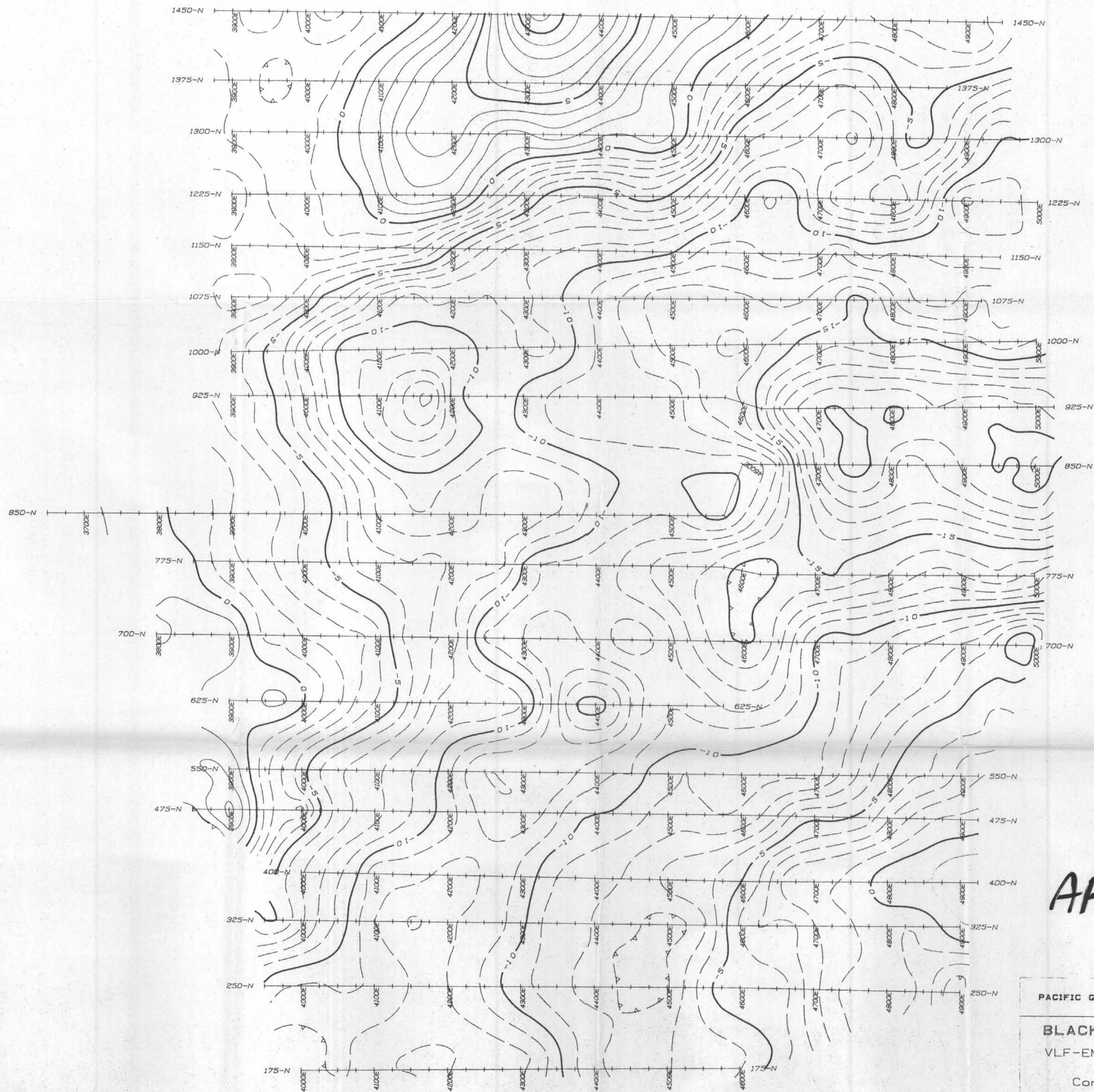
**AR 23054**



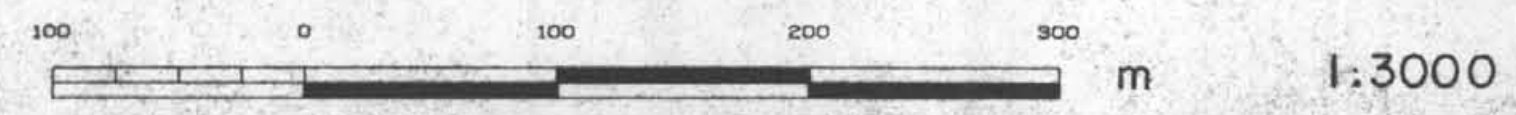
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PACIFIC GOLDEN SPIKE RESOURCES LTD.			
BLACK PRINCE PROJECT			
VLF-EM SEATTLE QUADRATURE			
Contour Interval 1%			
Slocan Mining Division, British Columbia			
Donegal Developments Ltd			
COMPILED	N.T.S	DATE	FIG. NO
F. Syberg	62P/14M	JULY, 1993	4A

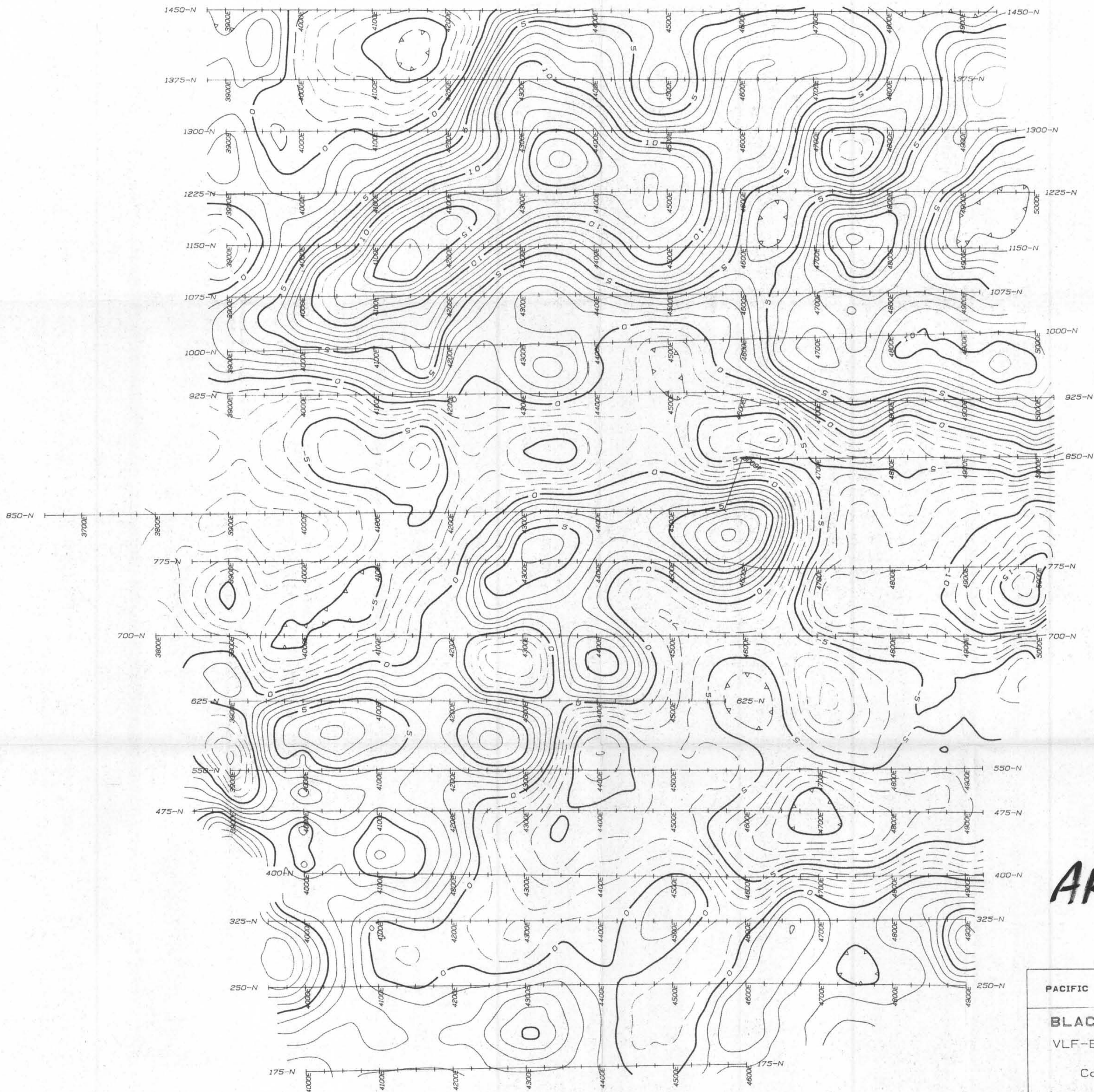




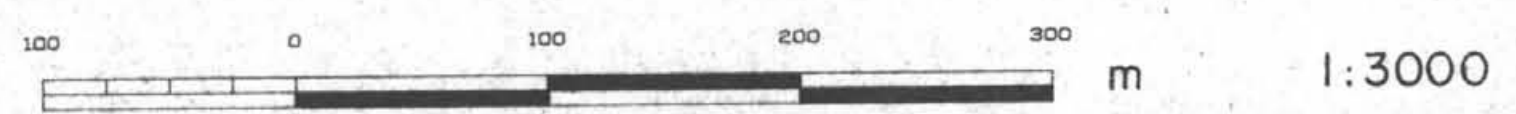
AR 23054



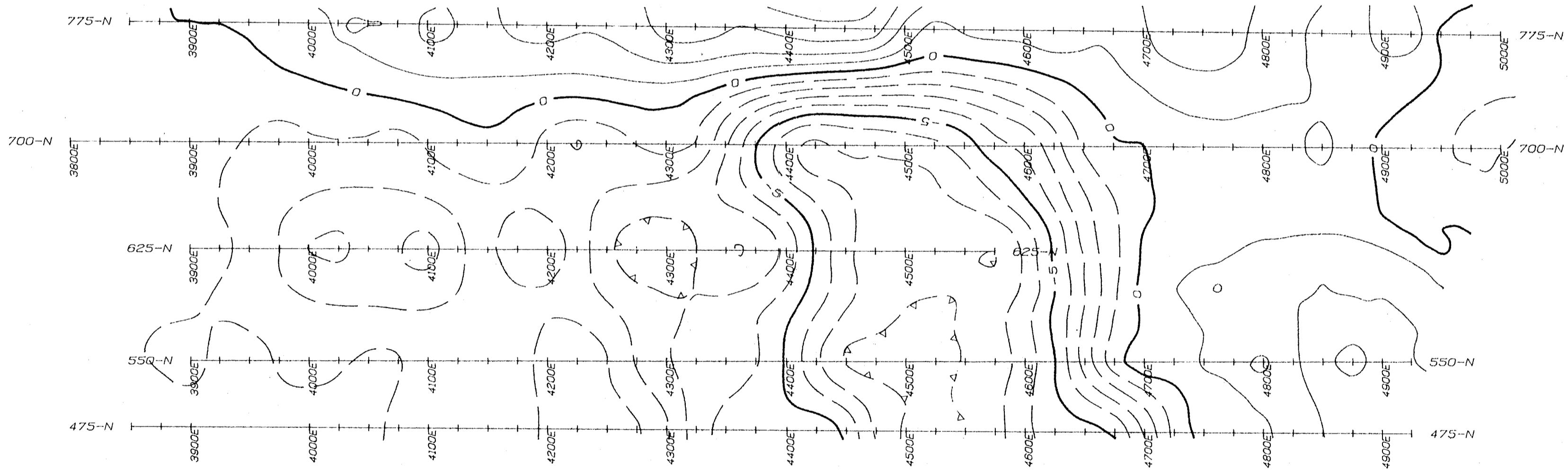
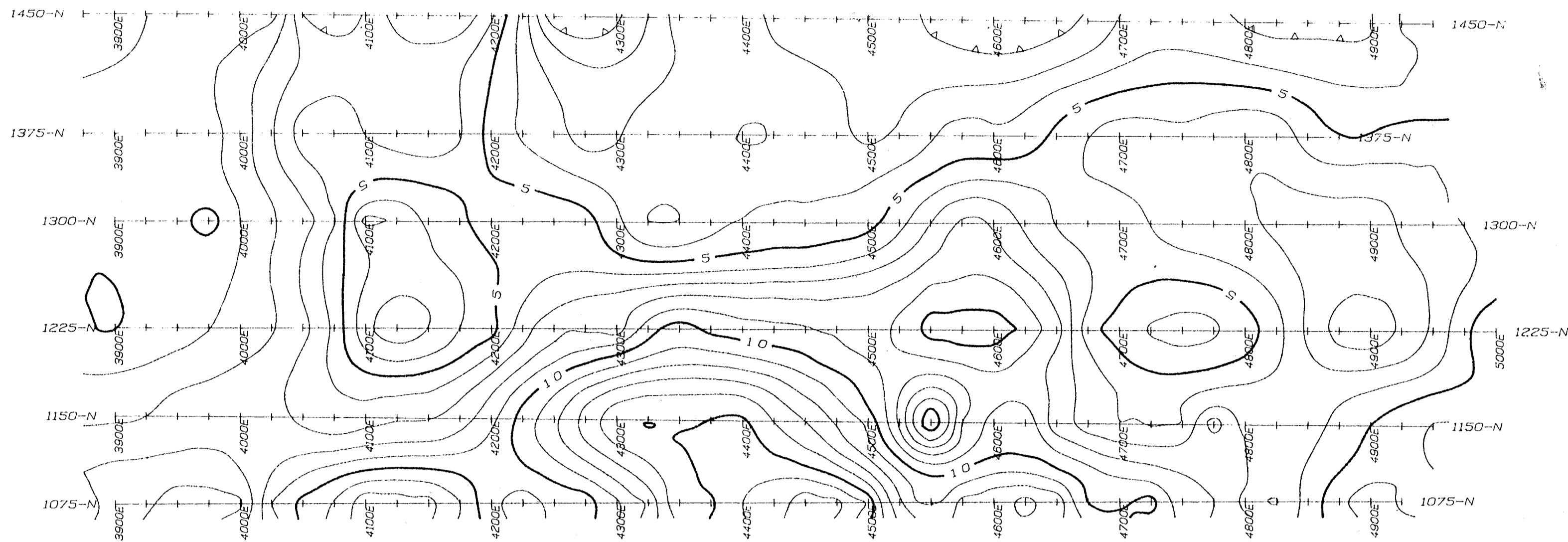
PACIFIC GOLDEN SPIKE RESOURCES LTD.			
BLACK PRINCE PROJECT			
VLF-EM SEATTLE DIP ANGLE			
Contour Interval 1°			
Slocan Mining Division, British Columbia			
Donegal Developments Ltd			
COMPILED	N.T.S	DATE	FIG. NO
F. Syberg	82F/14W	JULY, 1993	4B



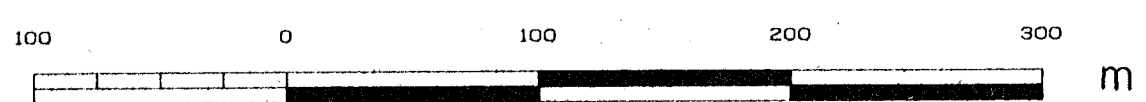
**AR 23054**



PACIFIC GOLDEN SPIKE RESOURCES LTD.			
<b>BLACK PRINCE PROJECT</b>			
VLF-EM SEATTLE DIP ANGLE			
Fraser Filtered			
Contour Interval 1"			
Stocon Mining Division, British Columbia			
Donegal Developments Ltd			
COMPILED	N.T.S	DATE	FIG. NO
F. Syberg	82F/14W	JULY, 1993	4c

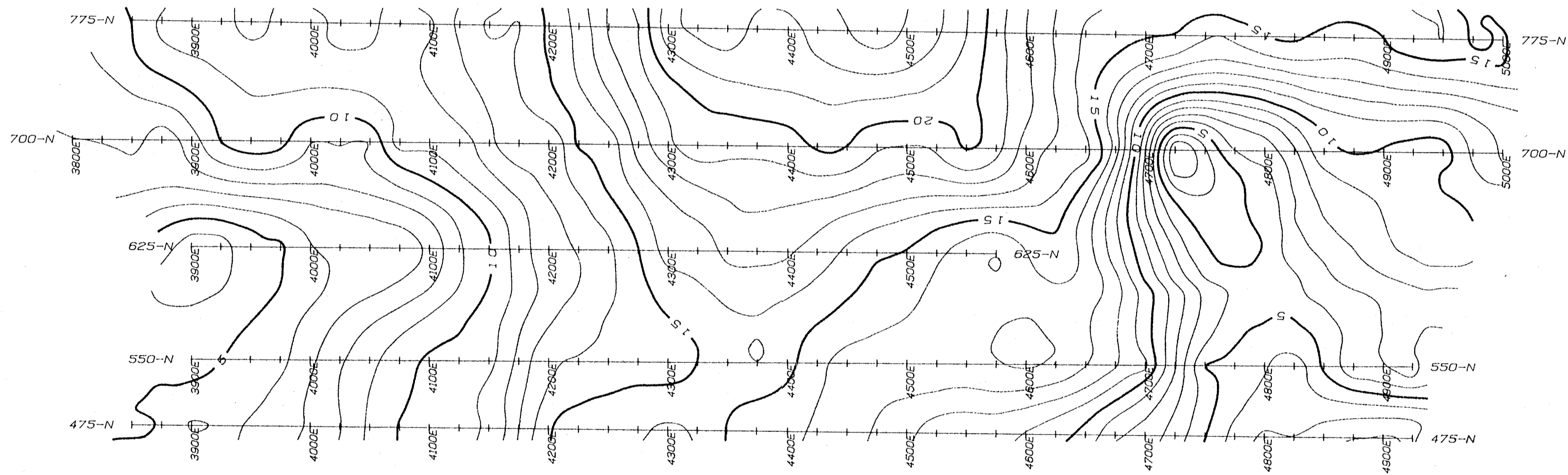
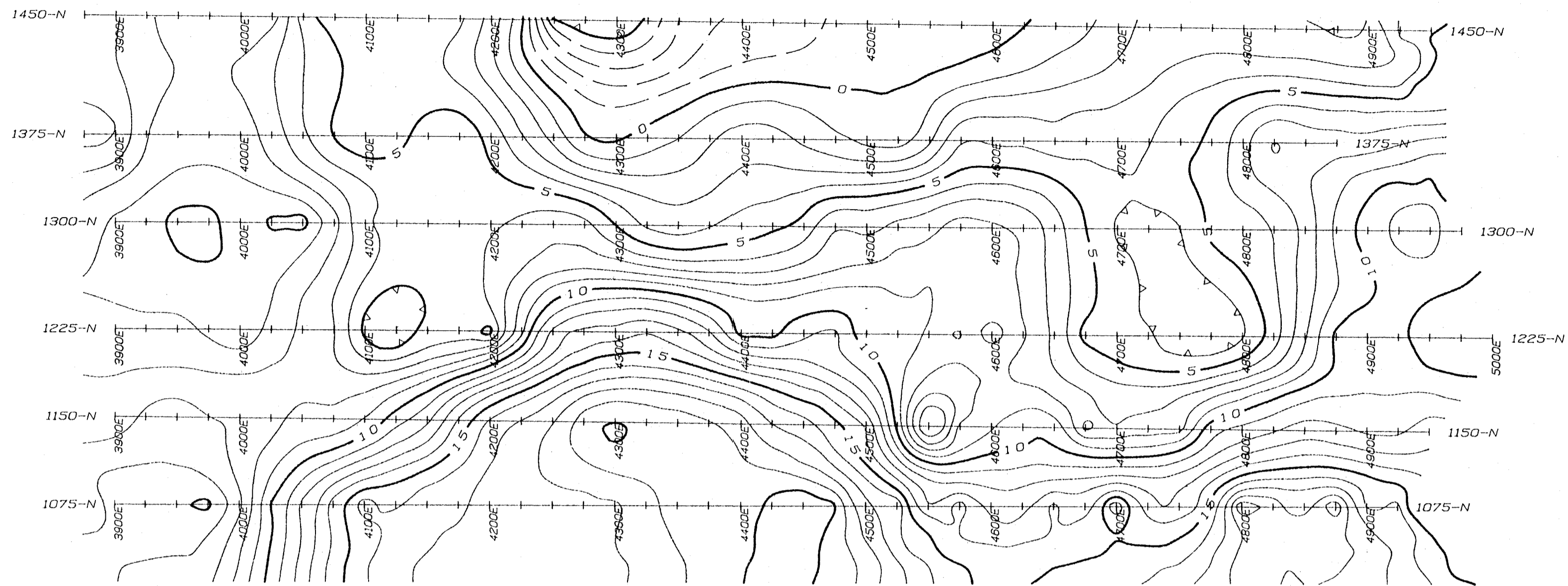


AR 23054

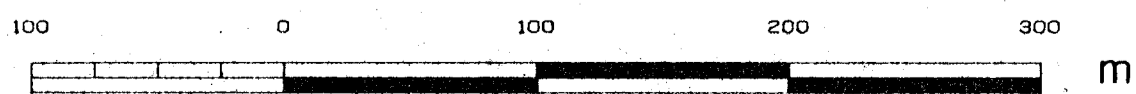


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PACIFIC GOLDEN SPIKE RESOURCES LTD.			
BLACK PRINCE PROJECT			
VLF-EM ANNAPOLIS QUADRATURE			
Contour Interval 1%			
Steele Mining Division, British Columbia			
Donegal Developments Ltd			
COMPILED	N.T.S	DATE	FIG. NO
F. Syberg	82F/14W	JULY, 1993	5A

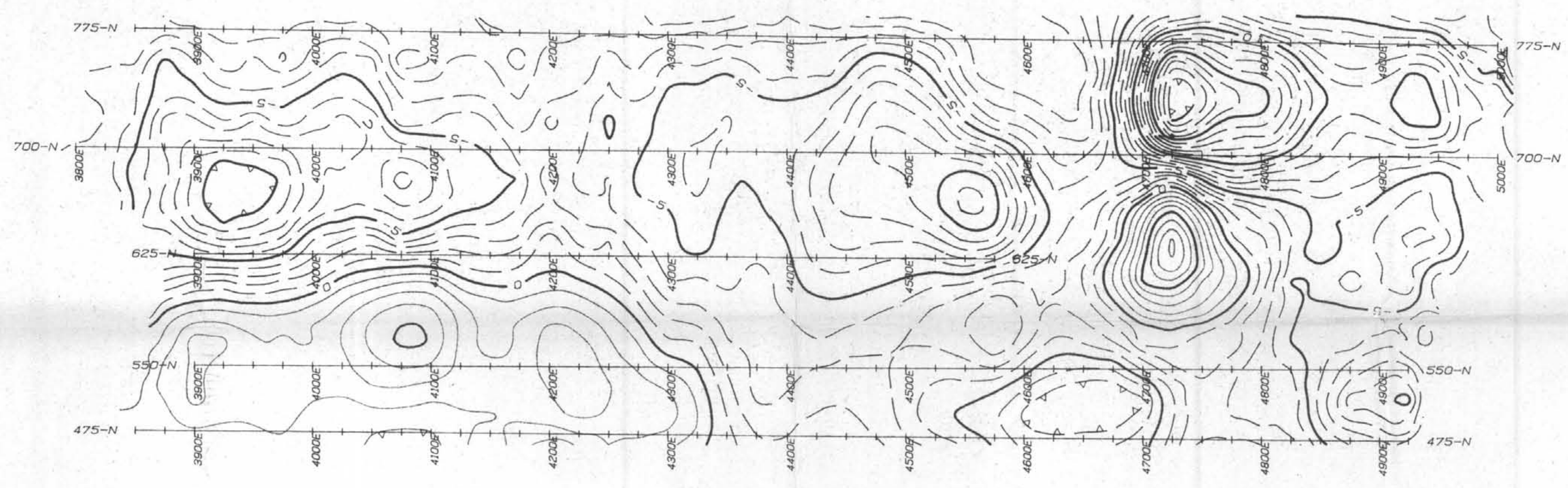
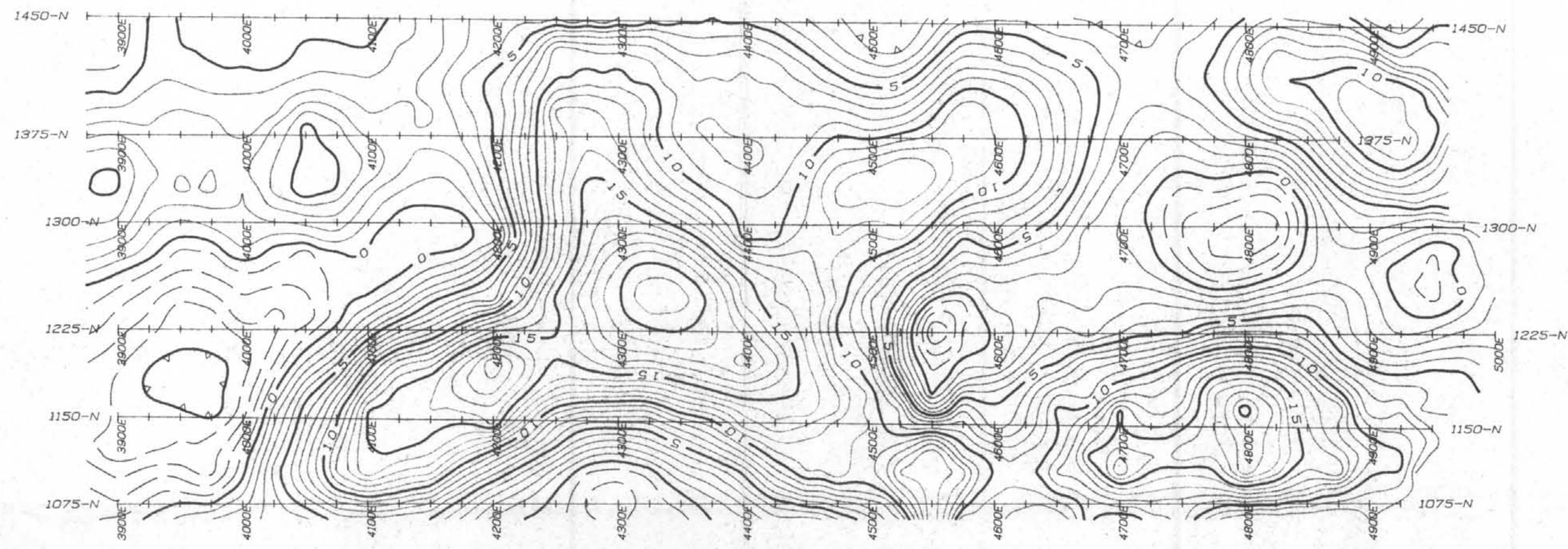


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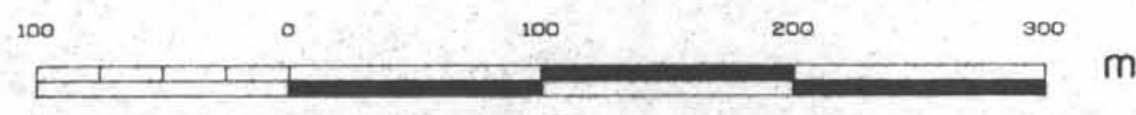
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PACIFIC GOLDEN SPIKE RESOURCES LTD.			
BLACK PRINCE PROJECT			
VLF-EM ANNAPOLIS DIP ANGLE			
Contour Interval 1"			
Slocan Mining Division, British Columbia			
Donegal Developments Ltd			
COMPILED	N.T.S	DATE	FIG. NO
F. Syberg	82F/14W	JULY, 1993	5B

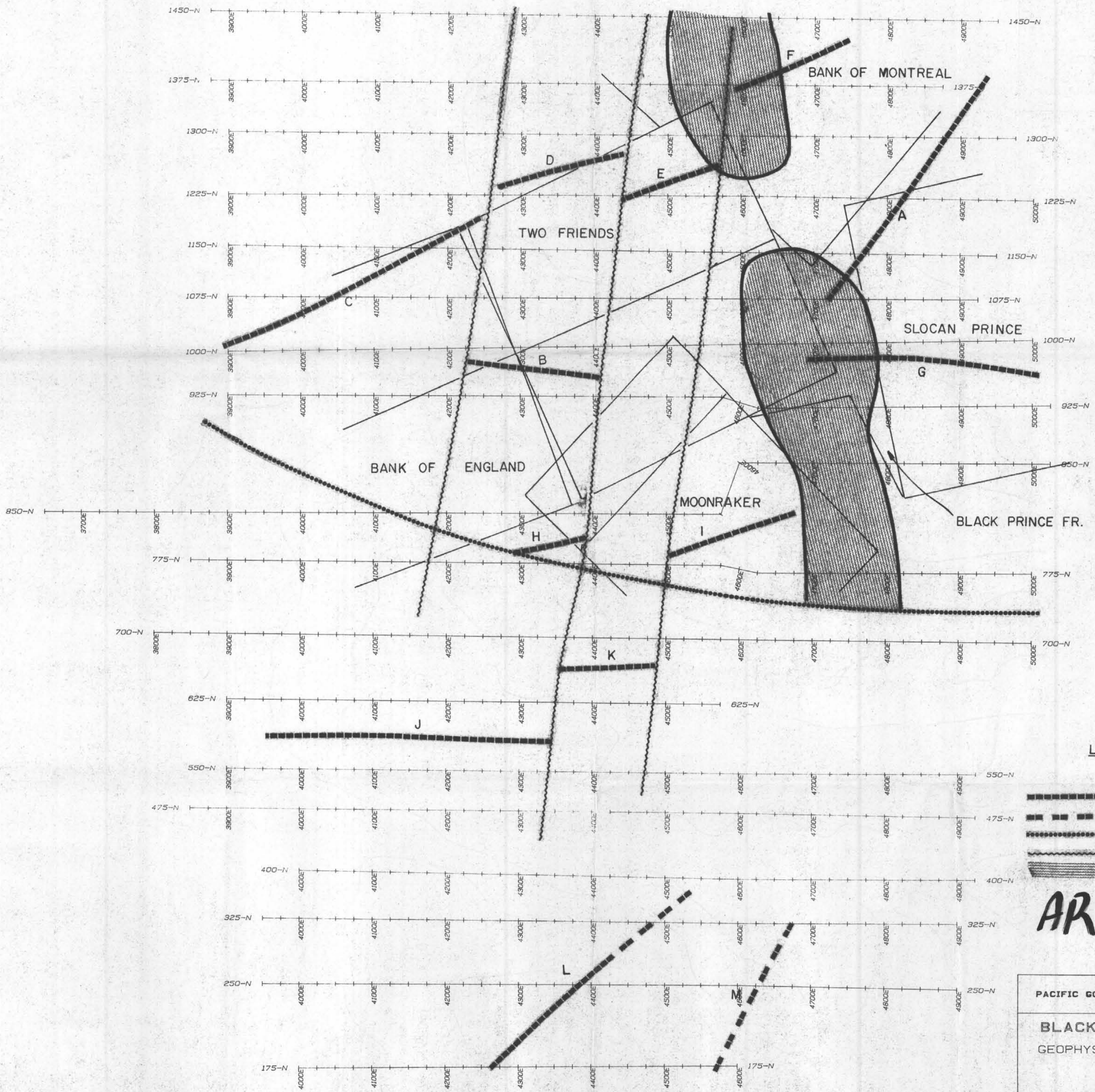


**AR 23054**






PACIFIC GOLDEN SPIKE RESOURCES LTD.				
<b>BLACK PRINCE PROJECT</b>				
VLF-EM ANNAPOLIS DIP ANGLE Fraser Filtered Contour Interval 1°				
Siocan Mining Division, British Columbia				
Donegal Developments Ltd				
COMPILED	N.T.S	DATE	FIG. NO	
F. Syberg	82F/14W	JULY, 1993	5 C	



1:3000

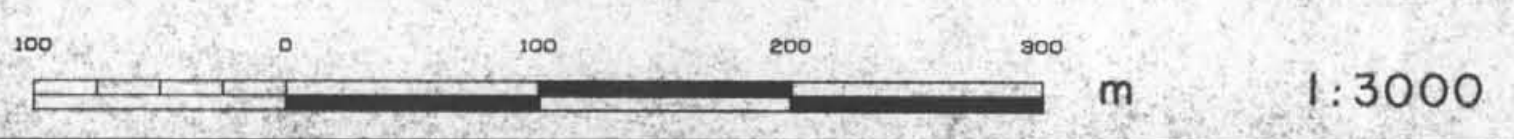


**LEGEND**

-  Conductive Shearzone Strong
-  Conductive Shearzone Moderate-Weak
-  Contact/Dyke
-  Interpreted Fault
-  Magnetic Low

**AR 23054**

PACIFIC GOLDEN SPIKE RESOURCES LTD.			
<b>BLACK PRINCE PROJECT</b>			
GEOPHYSICAL INTERPRETATION			
Slocan Mining Division, British Columbia			
Donegal Developments Ltd			
COMPILED	N.T.S	DATE	FIG. NO
F. Syberg	82F/14M	JULY, 1993	6



GEOLOGICAL REPORT  
ON THE  
BLACK PRINCE GROUP OF CLAIMS  
ARLINGTON PEAK  
SLOCAN MINING DIVISION, B.C.  
N.T.S. 82F/14W

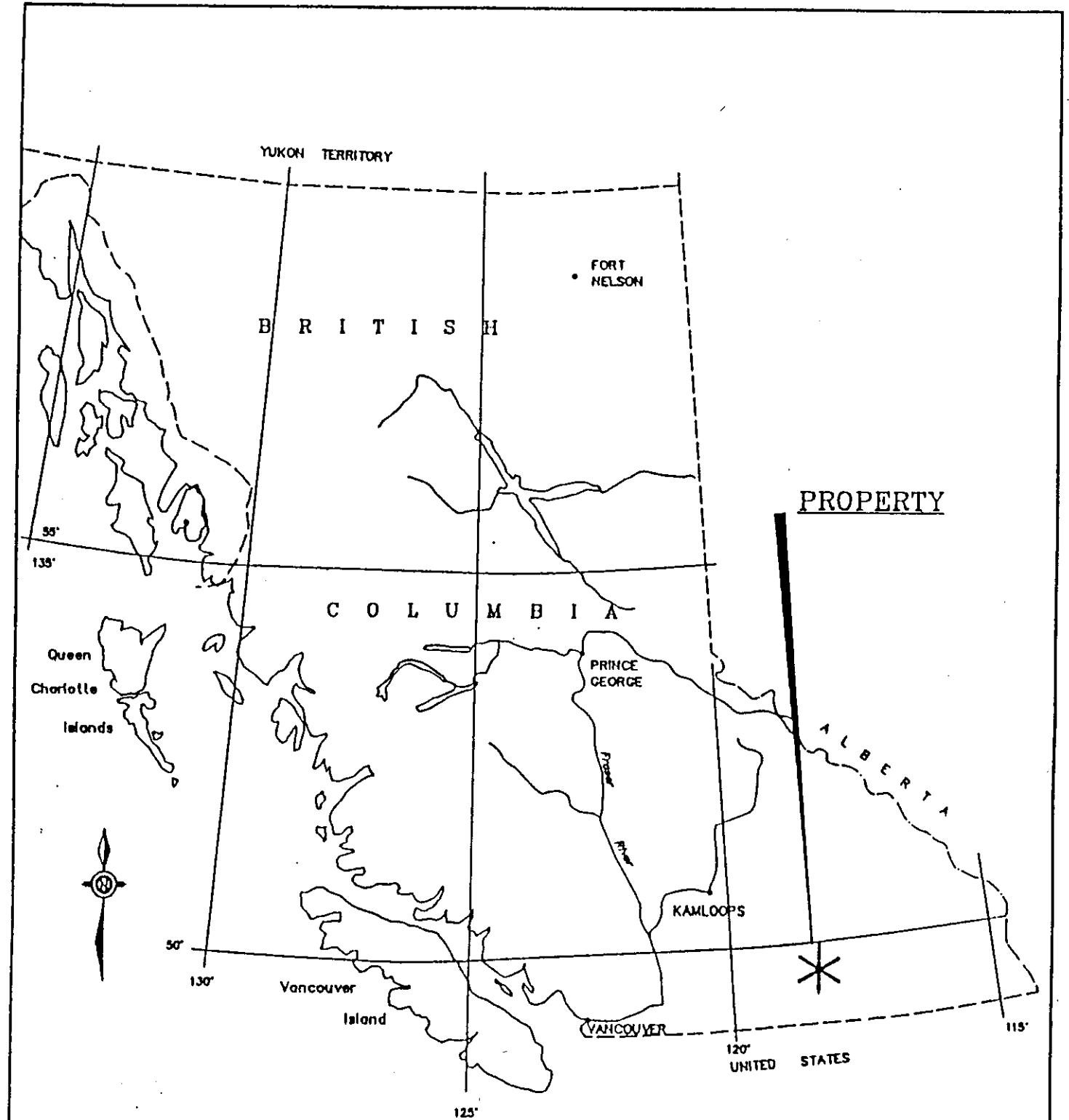
INTRODUCTION

This report has been prepared at the request of the Directors of Pacific Golden Spike Resources Ltd. The report is based upon the writer's extensive experience in the Slocan area, pertinent publications and private reports, and four personal visits to the property, the most recent being on the 30th June, 1992. All property inspections were conducted accompanied by Mr. G. Strong of Winlaw, B.C., the property vendor. The most recent visit was conducted to confirm the physical state of the property and to collect confirmation assay samples on previous work.

Proposals for a limited programme of opening up the underground workings and developing the shipping possibilities of old dumps on the property are made.

LOCATION AND ACCESS

The property is located in the Slocan Mining Division, approximately 9 km due east of Slocan City and about 2 km northeast of Arlington Peak.



Scale 1:10,000,000  
 100 0 100 200 300 400 Km

*J. Taylor*

PACIFIC GOLDEN SPIKE RESOURCES LTD.			
BLACK PRINCE CLAIM GROUP			
SLOCAN M.D.			
<i>LOCATION MAP</i>			

1/92	N.T.L. 827/147	DRAWN BY: GEO-COMP	FIGURE: 1
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The claims cover the southerly facing slope of the headwaters of Crusader Creek.

The best access to the property is via the Springer Creek road some 15 km to the claims from Slocan City. This road passes the Ottawa Mill which is 1 km from Slocan City. Access is possible via the Lemon Creek road, which covers about 25 km from the property to the highway. Both roads were travelled during the latest inspection and are in reasonable condition after this year's spring run-off.

Co-ordinates of the property are:

49° 47'N; 117° 20'W.

#### TOPOGRAPHY AND CLIMATE

The property lies close to tree line in an area of moderately steep sub-alpine slopes. Elevations on the claims range from about 1700 meters to 2140 meters above sea level. The old workings lie at about 1890 meters above sea level.

Vegetation in the area consists of fairly well-spaced, small spruce trees with a dense ground cover of low-bush blueberries and buckbrush.

The claims lie in a heavy snow belt and winter accumulation of about fifteen feet of snow are common. Snow hampers surface work normally from late November through May. It should be possible to keep access to the underground workings open through the winter by bulldozing.

PROPERTY

The property consists of five reverted Crown Grants collectively known as the Black Prince Group, and two unit blocks of claims, the AG and the Early..

North of the Slocan Prince claim, a single Crown Grant, the Montreal, is totally enclosed by the subject claims and is owned by a third, unrelated, party. This claim has no known showings but is underlain by the projected extension of the Black Prince vein.

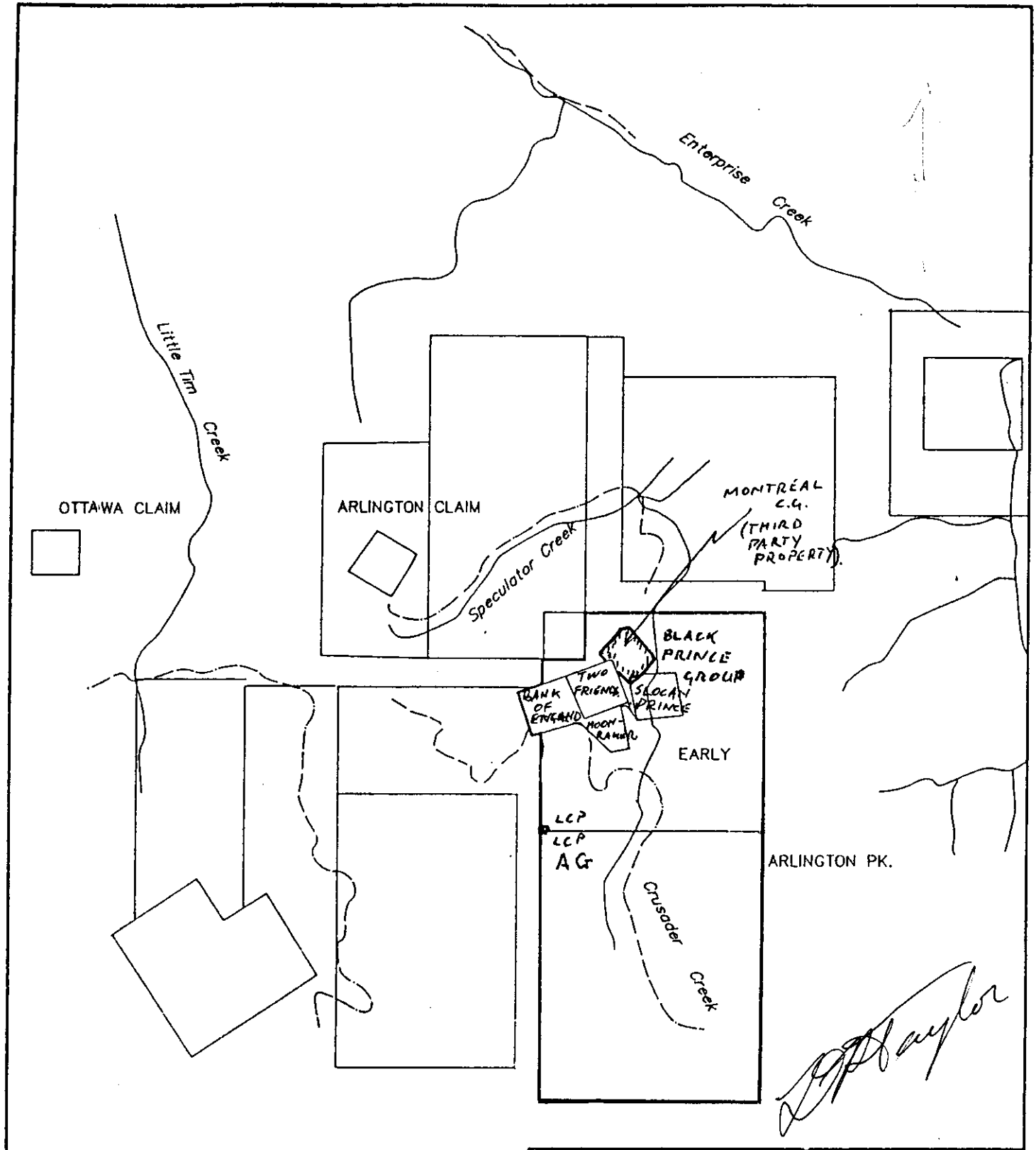
The claims subject of this report, are as follows:

<u>NAME</u>	<u>NUMBER</u>	<u>EXPIRY DATE</u>
Early (16 units)	256237	July 22, 1993
AG (20 units)	306094	October 20, 1992
Bank of England	Lot 2214)	
Two Friends	Lot 1020)	November 15, 1992
Slocan Prince	Lot 582 )	All in Mineral
Moonmaker	Lot 8939)	Lease No. 243
Black Prince Fr.	Lot 584 )	(now Mining Lease 414)

Taxes and assessment filings have the claims in good standing. All filings are in the Slocan Mining Division, British Columbia.

HISTORY

The entire Slocan area has an extensive history of silver-lead-zinc production, gold production is recorded from many of the old workings in what is now Kokanee Glacier Park.



PACIFIC GOLDEN SPIKE RESOURCES LTD.			
BLACK PRINCE CLAIM SLOCAN M.D.			
<i>CLAIM MAP</i>			
SCALE 1:50,000	DATE JAN. 92	N.T.S. 82F/14W	DRAWN BY: GEO-COMP
			FIGURE: 2

Silver ores in the area are often from relatively small tonnages of high (300 ounces/ton plus) grade argentiferous galena.

Records show the Black Prince Group to have been worked continuously from 1898 to 1906 and from 1912 to 1922. In 1969 the No. 4 drift was driven for 160 feet on the Black Prince vein and subsequent test shipments of dump material have been made.

The MINDEP file reports production from 1898 to 1970 as 1,930 tons of ore (presumably hand-cobbed) which yielded 196,351 ounces of silver. No gold is noted in any of the records as having been recovered.

During the 1970's various leasees held the property but there is no record or evidence of any shipments from the property. Minor work was performed on the property in the early 1980's for assessment purposes until the lower extension of the Black Prince vein was opened by extending the No. 4 adit in 1985. This work was subsequently extended with negative silver returns but with good structure for 160 feet.

The extension of the No. 4 drift although completed prior to the formal acquisition of the property by the Company, was financed by the Company.

Sampling and bulk testing of the dumps from the Black Prince workings, discussed later in this report, were conducted in late 1987. Road maintenance, bridge building and general assessment requirements have maintained the property since 1988.

#### REGIONAL GEOLOGY

The Black Prince Group area is almost entirely underlain by Mesozoic Nelson Plutonic porphyritic granites. Minor intrusions of Valhalla Plutonic granites and granodiorites are noted north of Enterprise Creek.

Minor remnants of Triassic Slocan Group sediments and metasediments are also found in the area.

Historically in this area mineralization is found associated with major gash-shears in the Nelson Plutonics in lead-zinc lenses in shear gouge.

#### PROPERTY GEOLOGY

Rocks observed on the Black Prince property were predominantly coarse-grained porphyritic Nelson plutonics. A fairly dark, possibly more basic phase of the above was noted in ore-carrying areas. Minor felsic and trap dyking was also noted.

Lead-zinc mineralization is confined to several very obvious shear zones and associated crushed areas. Zones of mineralization up to 35 feet (10 meters) wide have been reported. Mineralization tends to be associated with minor quartz and siderite and consists of galena, sphalerite, minor chalcocite, pyrite, tetrahedrite and native silver. Assays of over 400 oz/ton silver have been reported from the property.

The latest inspection of the property revealed that all the portals on the property are currently caved and all workings are inaccessible. The loose glacial patina on the property is subject to slumping for the first 20-40 feet of underground openings.

During the previous inspections, the writer has entered the Black Prince #2 crosscut for 400 feet (1988) before encountering a back cave that prohibited further inspection and the Black Prince No. 4 adit (1988) where the walls and face were sampled with negative results - Assay File 88-1140 in Appendix 1. The structure at the point of sampling is a 3-5 cm wide vertical shear in the granites. Both adits are now caved at the collar and the No. 2 is flooded to a depth of five feet at the portal.

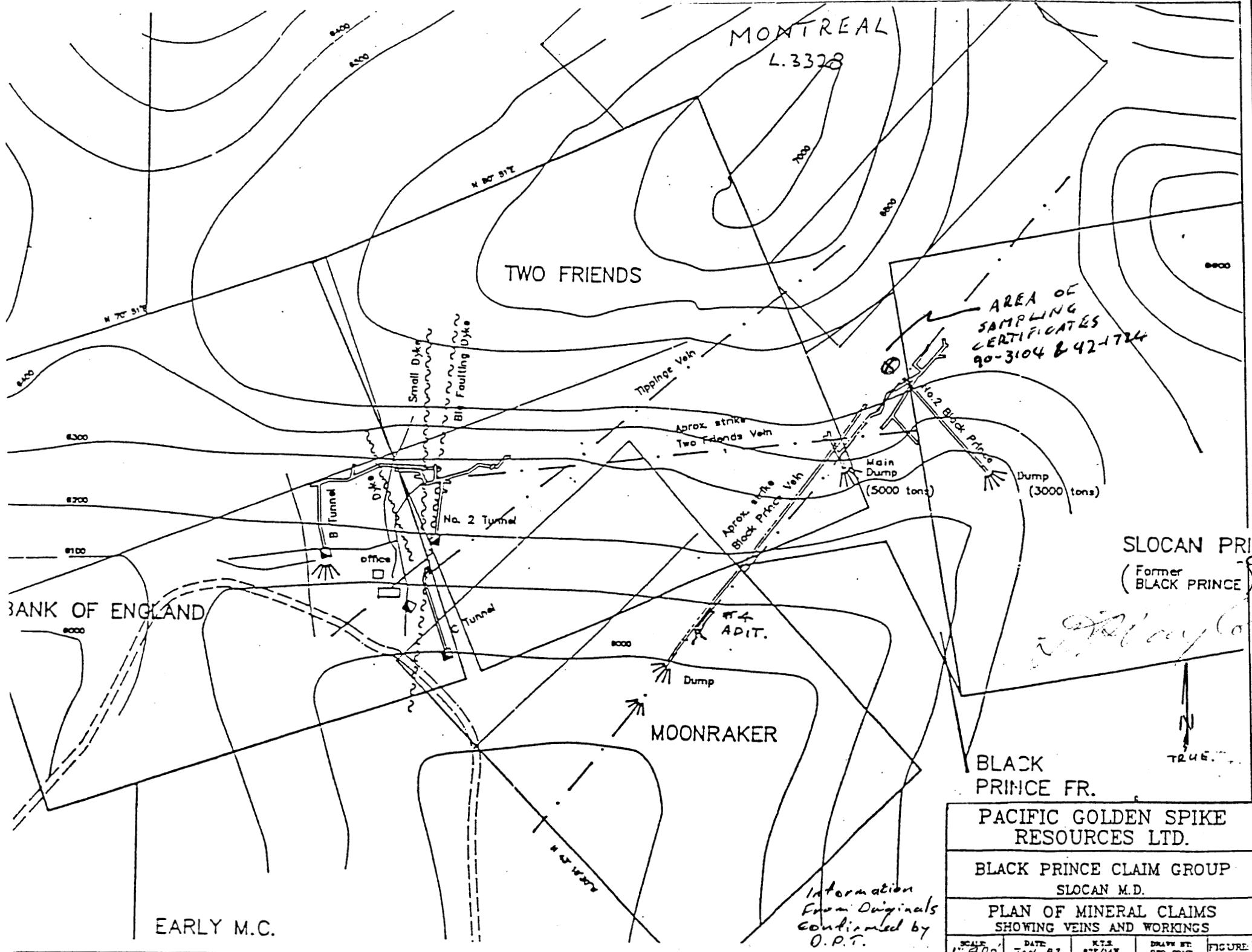
The No. 4 adit was opened with the expectation that at approximately 300 feet into the structure, the opening would undercut the southern extension of the old Black Prince Vein workings from which high-grade milling material was extracted, (Government Geologist, C. E. Cairnes.)

As he appears to be the last qualified person to inspect the workings in reasonable condition, Mr. Cairnes is quoted from his 1935 report on the property:

"BLACK PRINCE CLAIM GROUP WORKINGS"

"The workings comprise seven or more crosscut adits driven northerly to northwesterly and distributed from west to east across the group. They are mostly inaccessible or partly so. The more recent work has been done on the Slocan Prince and Black Prince fraction.

"The workings develop, principally, two sheared, fissure-vein lodes which may be referred to as the North and South lodes. The North lode outcrops on both the Bank of England and the Two Friends claims, and has been traced for 1,500 feet along an easterly



PACIFIC GOLDEN SPIKE RESOURCES LTD.			
BLACK PRINCE CLAIM GROUP SLOCAN M.D.			
PLAN OF MINERAL CLAIMS SHOWING VEINS AND WORKINGS			
SCALE 1"=400'	DATE JAN. 92	K.T.S. 827/14W	DRAWN BY DEN-COV

direction almost parallel with the north and south boundaries of these claims. It is reached by two adits on what is judged to be the Bank of England claim and farther east by two or three adits on the Two Friends claim.

"The upper adit of the two western adits has been driven from a point above the road and about 200 feet east of the trail that leads south down Crusader Creek. This adit is caved. The other adit, driven from a point below the road and 485 feet of the upper adit, encounters the lode where it is about 18 inches wide between solid granite walls. The lode strikes 60 degrees to north and 70 degrees east and dips steeply to the north. Mineralization is nearly continuous along the drift which is several hundred feet long and consists of quartz with some calcite, carrying galena, zinc-blende, and probably, high-grade silver minerals. The blende is light colored. The lode intersects and slightly displaces a small, basic dyke.

"About 445 feet east of the workings mentioned above, are two more adits, now caved, one driven from beside, and the other about 70 feet above the road. These are the Two Friends workings, situated, probably, near the western boundary of the claim.

"According to early reports, these adits are crosscuts to the North vein lode, 4 to 12 feet wide, with, along one wall, ore in a well-defined body, varying in width from a narrow streak to 12 or 14 inches and composed of blende and galena carrying from



250 to 380 ounces of silver to the ton and 38 to 52 per cent lead. Incomplete returns up to 1904 indicate that 215 tons had been shipped from these workings and averaged 188.5 ounces in silver to the ton, 24.6 per cent lead, and 23.7 per cent zinc.

"The workings on the more easterly claims are on the South lode. An adit, driven from the Slocan Prince claim from the level of the Black Prince Trail at a point about 900 feet to the northeast of, and 150 feet or more above, the end of the road, is a crosscut 419 feet long to the lode which strikes 20 degrees to north to 30 degrees east and dips 60 degrees northwest. The lode has been drifted on for 400 feet (1919), is about 20 feet wide, and has ore along both walls, but mainly the hanging-wall.

"A second adit is about 160 feet above the first, is on Black Prince ground, and is in bad repair. It is a cross-cut for 129 feet, beyond which it follows the lode for about 400 feet (1919). The lode where explored by these workings, is a strongly crushed zone as much as 35 feet wide in some places. Abundant quartz partly cements and replaces the crushed rock and partly forms veins. Ore minerals occur both as disseminations and concentrations included and associated with vein quartz, some siderite, and a little calcite. They comprise argentiferous galena, blende, grey copper and probably other silver-rich minerals and pyrite. No appreciable gold occurs in the ore, but specimens showing native silver have been found.

"A third adit, known as the "Moen" has been driven on the Moonraker claim, situated west of and adjoining the Black Prince fraction, to intersect the south lode. The adit was inaccessible because of water at the time visited. It is possible the adit referred to in the Resident Engineer's report for 1919 as having followed the (South) lode for 1,300 feet. It is situated at the end of the wagon road about 140 feet vertically below and 900 feet southwest of, the lower of the two adits."

Cairnes report indicates that on the Bank of England and Two Friends claims, the workings of the "B" and No. 2 tunnel are connected by a winze, the potential for mineable material between the two levels is not expressed. It is apparent that the "C" tunnel on these claims was projected to come in beneath the "B" and No. 2 and is approximately 3-400 feet short of its objective of intersecting the Two Friends vein, though it intersected the offset Tippings vein.

Cairnes reports "ore" mineralization on both walls of the Black Prince structure though no grades are quoted. Some of this material may well have been subsequently removed but it appears no further development work has been performed on the old Black Prince workings. The No. 4 adit on the Black Prince vein was the beginning of an attempt to come in beneath the main Black Prince workings, as earlier mentioned, the confluence of structures at the face noted during the 1988 inspection was considered encouraging. Extension of the No. 4 is expected to encounter more economically interesting material within 2-300 feet. The No. 4 drift is about 100 feet above the old "Moen" which was driven 1,300 feet along the Black Prince structure. No information is available as to the presence or lack of mineralization as this working was flooded during Cairnes' visit in 1935 and has remained so since.

Opening of the Black Prince #2 adit and removal of the cave should give access to geological mapping and sampling of these workings. The opening of the "B" and No. 2 tunnels on the Bank of England claims, and clearing of cave should accomplish similar purposes on these workings.

During excavations around the area above the stopes of the Black Prince vein in 1990, an area of mineralized material in sheared granite was exposed which yielded very high silver assays. Grab samples taken from this material by Mr. B. Strong were sent to Vancouver and inspected by the writer prior to submission for assay. These samples were delivered to the Acme Analytical Laboratories by the writer, and assayed 657.46 and 229 oz/ton Ag. (90-3104 Appendix I). Subsequent to the assay results being received, the writer visited the property and confirmed the rock type and location of these samples. A grab sample, taken from the same location in 1992, assayed 194.95 oz/ton Ag and 0.006 oz/ton Au. (File 92-1724 in Appendix I). Generally in the Slocan-Silverton area, high-grade lead samples run over 100 oz/ton Ag generally due to the presence of native silver. The area sampled in the above is adjacent to a small cave (2 meters long) at the top of the stope of the No. 2 Black Prince working and appears to comprise some four tons of material which may or may not be bedrock. Blasting will be required at this point to definitively establish the nature of this exposure. A sample from altered granite bedrock 20 feet north of this showing returned an assay of 1.54 oz/ton Ag (D105205).

#### Black Prince Workings Dumps:

In his report of 1983, N. W. Stacey, P.Eng., sampled and estimated the Black Prince dumps at 9-13 oz/ton Ag for 5,000 tons on the Main Black Prince dump, and 7-9 oz/ton Ag on the Black Prince No. 2 dump at an estimated 3,000 tons.

In his report of 1987 on his 1985 work, L. Sookochoff, P. Eng., had trenches cut six feet deep at the base of both dumps to work from. Slumped remnants of these trenches are still visible. Sookochoff reports an estimate of 5,000 tons of 5 oz/ton Ag material on the main dump. Sookochoff assays and sample descriptions follow:

"In June, 1985, the writer took samples from the large dump (5,000 tons). Results were as follows:

MAIN DUMP:

<u>Sample No:</u>	<u>Description</u>	<u>%PB</u>	<u>%Zn</u>	<u>Ag oz/ton</u>
BP 1	Feldspar porphyry-fels phenos in a black aph matrix	29 ppm	237 ppm	3.9 ppm
BP 2	Dense black cherty-concoidal fracture	4.15	45.14	237.88
BP 3	Dense, f.g., gray, heavy, w/ brecc'd seriate frags healed w/bluish-white quartz	2.19	20.71	129.39
BP 4	Meta-volc.-greenish, vesicular w/splashes + pods galena	19.20	15.80	26.60
BP 5	Qtz-carb breccia w/lim frags + frags sulph.; pods sphal + gal.	2.23	22.54	49.24
BP 6	Breccia w/ fr. qtz frags healed w/ dense black material	1521 ppm	6061 ppm	141.30 ppm
BP 7	Breccia w/gm. gray cast obscure qtz frags.	1207 ppm	16783 ppm	53.4 ppm
BP 8	Pods + diss. gal. in meta gr. diorite	7.77	5.63	55.66
BP 9	Bleached gr. dia. w/ diss sulphides.	0.56	1.27	15.15

LOWER DUMP: (3,000 tons)

BP 10	Heavily lim. w/ qtz frag +	0.26	5.52	1.36
-------	----------------------------	------	------	------

UPPER TRENCH: (above workings)

BP 11	Meta gr. diorite w/obscure splashes + frag gal.- siliceous		0.67	4.84
-------	--	--	------	------

The dumps were remeasured by the writer during the 1992 inspection and were estimated at gross tonnage of 7,500 tons on the main dump and 4,000 tons on the No. 2 dump.

As it was not practical to reproduce these previous results, grab samples of wet muddy unidentified material were taken from 18 inches of depth on the face of the old cuts in the dumps. These samples are simply meant to confirm the tenor of the older more comprehensive assays. Results yielded were 16.64 oz/ton Ag (D105201) and 2.82 oz/ton Ag (D105202) from the main dump and 22.74 oz/ton Ag (D105203) Black Prince No. 2 dump.

In November of 1987, Pacific Golden Spike, in an unsupervised exercise, shipped a bulk sample from the cut on the main dump of the Black Prince workings to Nesmont Precious Metals Corp. of Ladner, B.C. This sample comprised a total of 755 lbs of dump material and the complete Nesmont report is appended. (See Appendix II)

Apart from the silver values accumulated in the above data, of particular note in regard to the dump material, is the Nesmont concentration ratio of better than 29:1. Concentration ratios of 20:1 or better are common in the Slocan-New Denver area ores and produce marketable concentrates at reasonable milling costs from much production and dump material.

#### CONCLUSIONS

The Black Prince Group of claims are located in the historic lead-zinc-silver producing area of Enterprise Creek in the Slocan.

Production records from the claims show significant tonnage of high-grade silver mineralization has been shipped from the property.

Testing of dump material has shown the possibility of shipping some of this material to the Ottawa mill for concentration for sale to the smelter at Trail. Concentration ratios from tests indicates a highly favourable end product from a 28:1 ore to concentration upgrade.

Virtually all of the old production areas of the workings are currently inaccessible and require re-opening for evaluation and sampling studies.

Re-opening of the underground workings, specifically the Black Prince No. 2 and No. 4 and the Bank of England "B" and No. 2 adits, will enable a new survey to be conducted to assess the vertical and horizontal viability of extending the present stoping and provide data to allow for modelling for geophysical examination of the entire claim group.

It is apparent that the type of mineralization encountered on these claims should produce a clear VLF-EM expression, and it would be valuable to know, prior to such geophysical work, what the data would relate to on known parameters underground. The VLF-EM detailed survey would be part of any second phase in the proposed work programme. VLF-EM equipment should define major shear and breccia zones, which in the Slocan area granites are generally mineralized with lead-zinc-silver.

It is apparent from the material on the dumps, that previous mining work on this property was conducted in a haphazard fashion and the property not picked clean during the high priced silver period of the early eighties.

A combination of renewal of underground information, modern exploration and some probable cash return on the dump material, may result in the profitable exploitation of the situation on the Black Prince property.

#### RECOMMENDATIONS

The dump materials on the Black Prince claims should be considered for exploitation and back-hauled during other work for delivery to the Ottawa Mill and stockpiled for a mill run. It is known that the mill is now refurbished and available for custom milling.

All the underground workings should be re-opened for mapping and sampling. This may be achieved through opening specifically the Black Prince No. 2 adit, whose stopes connect with the Main Black Prince workings and the No. 2 and "B" tunnels on the Two Friends structure.

These workings should be permanently rehabilitated to allow safe workings for future requirements.

Some trackage may need replacing in these crosscuts though there is evidence that both have rail in them at this time. The reopening of these workings will provide data essential for the further evaluation of the property in making available structural data on which to base any further work on this ground.

This information will also provide a basis upon which to relate second phase geophysical work as may be suggested on completion of Phase I.

Expected costs of the first phase of work are as follows:

PHASE I

Rehabilitation of portals and drifts with facility for retimbering	\$ 25,000.00
Replace track where necessary	10,000.00
Equipment rental	10,000.00
Mapping and Engineering	8,000.00
Sampling and assays	7,000.00
Supervision and administration	7,000.00
	<hr/>
	67,000.00
Contingencies - 10%	6,700.00
	<hr/>
	73,700.00
SAY.....	<hr/> <hr/>
	\$ 75,000.00

This limited Phase I programme is expected to develop the data base on the property to a point where some income may be accrued from limited direct smelter shipments and further financing of a much more substantial exploration and development programme would be justified. Such Second Phase work should be conducted on the recommendation and under the supervision of a qualified Professional Engineer and will entail geophysical and physical exploration and development of the property as may be warranted from the results of Phase I.

Respectfully submitted,



David P. Taylor, P.Eng.  
Consulting Geologist

Vancouver, B.C.  
July 23, 1992

As revised on September 1st, 1992



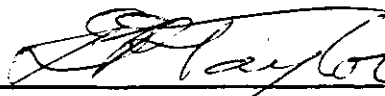
CERTIFICATION

I, DAVID P. TAYLOR, residing at 254 East 27th Street, North Vancouver, British Columbia, hereby certify that:

1. I am an exploration geologist residing at the above address.
2. I have practised my profession for twenty three years.
3. I am a member, in good standing, of the Association of Professional Engineers of British Columbia.
4. I have no interest in the properties, subject of this report, nor in the securities of Pacific Golden Spike Resources Ltd., nor do I expect to receive any such interest.
5. I have no interest in any mineral properties in the area of the ground subject of this report; and,
6. I consent to the use of this report in a Prospectus or Statement of Material Facts of Pacific Golden Spike Resources Ltd.
7. The property, subject of this report, was last visited by the writer on 30th June, 1992.

DATED at Vancouver, British Columbia, July 23, 1992.

As revised on September 1st, 1992

  
\_\_\_\_\_  
David P. Taylor, P.Eng.

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Proposal to Develop and Ship High-grade Ore  
from the Black Prince Vein on the Black Prince Claim and Claim  
Group, Slocan Mining Division, British Columbia, September, 1990.

ASSAY RESULTS

ACME ANALYTICAL LABORATORIES LTD.

APPENDIX I

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: APR 21 1988  
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
PHONE (604) 253-3158 FAX (604) 253-1716 DATE REPORT MAILED: April 25/88...

ASSAY CERTIFICATE

- SAMPLE TYPE: ROCK  
AU\*\* AND AG\*\* BY FIRE ASSAY FROM 1/2 A.T.

ASSAYER: *C. Leung* ..... D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

GOLDEN SPIKE RESOURCES File # 88-1140

SAMPLE#	PB %	ZN %	AG** OZ/T	AU** OZ/T
S 5801	.01	.01	.01	.001
S 5802	.01	.01	.01	.001
S 5803	.01	.04	.07	.001
S 5804	.04	.37	.22	.001
S 5805	.03	.09	.09	.001



ASSAY CERTIFICATE



Pacific Golden Spike Resources File # 92-1724  
 c/o Dave Taylor, 254 East, North Vancouver BC V7N 1B6

SAMPLE#	Pb %	Zn %	Ag** oz/t	Au** oz/t
D 105201	.25	2.04	16.64	.001
D 105202	.23	1.75	2.82	.001
D 105203	.25	.61	22.74	.001
D 105204	4.57	.03	194.95	.006
D 105205	.05	.05	1.54	.001

AG\*\* AND AU\*\* BY FIRE ASSAY FROM 1 A.T. SAMPLE.  
 - SAMPLE TYPE: ROCK

DATE RECEIVED: JUL 2 1992

DATE REPORT MAILED: *July 8/92*

SIGNED BY: *C. Leong* .D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.  
 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
 PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 20 1990

DATE REPORT MAILED:

*Aug. 28/90*

**GEOCHEMICAL ANALYSIS CERTIFICATE**

Pacific Golden Spike Resources FILE # 90-3104R  
 710 - 510 W. Hastings St., Vancouver BC V6B 1L8

SAMPLE#	Pb ppm	As ppm	Sb ppm	Bi ppm	SiO2 %	Sn ppm
1	34294 ✓	372	1513 ✓	2	78.55	1
2	7659	45	18	2	85.35	1

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: ROCK PULP

SIGNED BY *C. Leong* D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

✓ ASSAY RECOMMENDED

ACME ANALYTICAL LABORATORIES LTD.  
 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
 PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 3 1990

DATE REPORT MAILED:

*Aug. 9/90..*

**ASSAY CERTIFICATE**

Pacific Golden Spike Resources FILE # 90-3104  
 710 - 510 W. Hastings St., Vancouver BC V6B 1L8 Attn: EMIL LEIMANIS

SAMPLE#	Ag oz/t	Au oz/t
1	657.46	.013
2	229.92	.009

*Au + 10g leached in aqua regia/purex, analysis by A.A.*

- 1 GM SAMPLE LEACHED IN 50 ML AQUA - REGIA, ANALYSIS BY ICP.  
 - SAMPLE TYPE: Rock

SIGNED BY *C. Leong* D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ASSAY RESULTS

NESMONT PRECIOUS METALS CORPORATION

APPENDIX II



NESMONT  
PRECIOUS METALS  
CORPORATION

PLANT: 604-946-2266  
#6-7950 Huston Road  
Ladner, B.C. Canada V4G 1C2  
SALES OFFICE: 604-683-8943

Report On Production Test of Bulk File No. 10784  
Ore Sample Report No. \_\_\_\_\_  
 Reported to Pacific Golden Spike Resources Ltd. Date December 18, 1987  
1500-409 Granville Street  
Vancouver, B.C. V6C 1T2  
Attention: Mr. Emil Leimanis

We have completed testing of your "bulk ore" sample and reports as follows:

Sample Identification:  
-----

The sample was received as 4 samples in 2 barrels and 5 pails, and were labelled as follows: (net dry weights recorded after sampling.)

# 1	Main "A" Dump	386.14 lbs
# 2	Road Cut Dump	89.80 lbs
# 3	Dump Below Camp	119.70 lbs
# 4	Over "A" Dump	159.70 lbs

Method of Testing:  
-----

Each sample was crushed and split to sub-sample for assay. The balance of these four samples were combined to form a "Heads" sample for the production test.



This head sample of 755.34 lbs was milled to plus 95% minus 100 mesh, then subjected to bulk flotation using the following conditions and reagents:

Condition and Soda Ash to pH 9.5 to 10.0

Promotor 242 -: 0.20 lbs per ton  
 Xanthate 343 -: 0.15 lbs per ton  
 Dowfroth 250 -: as required

Results of Testing:

-----  
 Assays of Bulk Samples: (Dumps)  
 -----

		Gold oz/ton	Silver oz/ton	Lead oz/ton	Zinc oz/ton	Iron oz/ton
		-----	-----	-----	-----	-----
#1	Main "A"	0.035	6.96	0.39	1.00	2.60
#2	Road Cut	0.021	12.91	0.45	0.67	2.50
#3	Below Camp	0.020	3.73	0.45	0.61	3.25
#4	Over "A"	0.034	7.87	1.48	3.08	2.90

Product Weights and Assays: (Precious Metals)  
 -----

Product	Product Weight	Gold oz/ton	Silver oz/ton
-----	-----	-----	-----
Heads:	755.34 lbs	0.051	6.99
Concentrate:	25.59 lbs	1.28	154.46
Tailings:	729.75 lbs	0.006	1.74

Concentration Ratio:  
 -----

The concentration ratio on this test is 29.51 to 1.00 (i.e.)  
 29.51 tons of original material would be required to produce one  
 ton of "Concentrate".

Recovery and Precious Metals Distribution:  
 -----

	<u>"GOLD"</u>		
	Gold	%	Gold
	mgms	Dist	mgms
	----	----	----
Heads: -----			
755.34 lbs @ 0.051 oz/ton contains			599.09
Concentration: -----			
25.59 lbs @ 1.28 oz/ton contains	509.40	88.21%	
Tailings: -----			
729.75 lbs @ 0.006 oz/ton contains	68.09	11.79%	
	-----	-----	
	577.49	100.00%	577.49
			-----
	Gold not accounted for		21.60
	= 3.60% or 96.40% accounted for.		-----

"SILVER"

	Silver mgms -----	% Dist -----	Silver mgms -----
Heads: -----			
755.34 lbs @ 6.99 oz/ton contains			82.11
Concentrate: -----			
25.59 lbs @ 154.46 oz/ton contains	61.47	75.70%	
Tailings: -----			
729.75 lbs @ 1.74 oz/ton contains	19.74	24.30%	
	-----	-----	
	81.21	100.00%	82.11
			-----
			0.90
			-----
			- 1.10% or 98.90% accounted for.

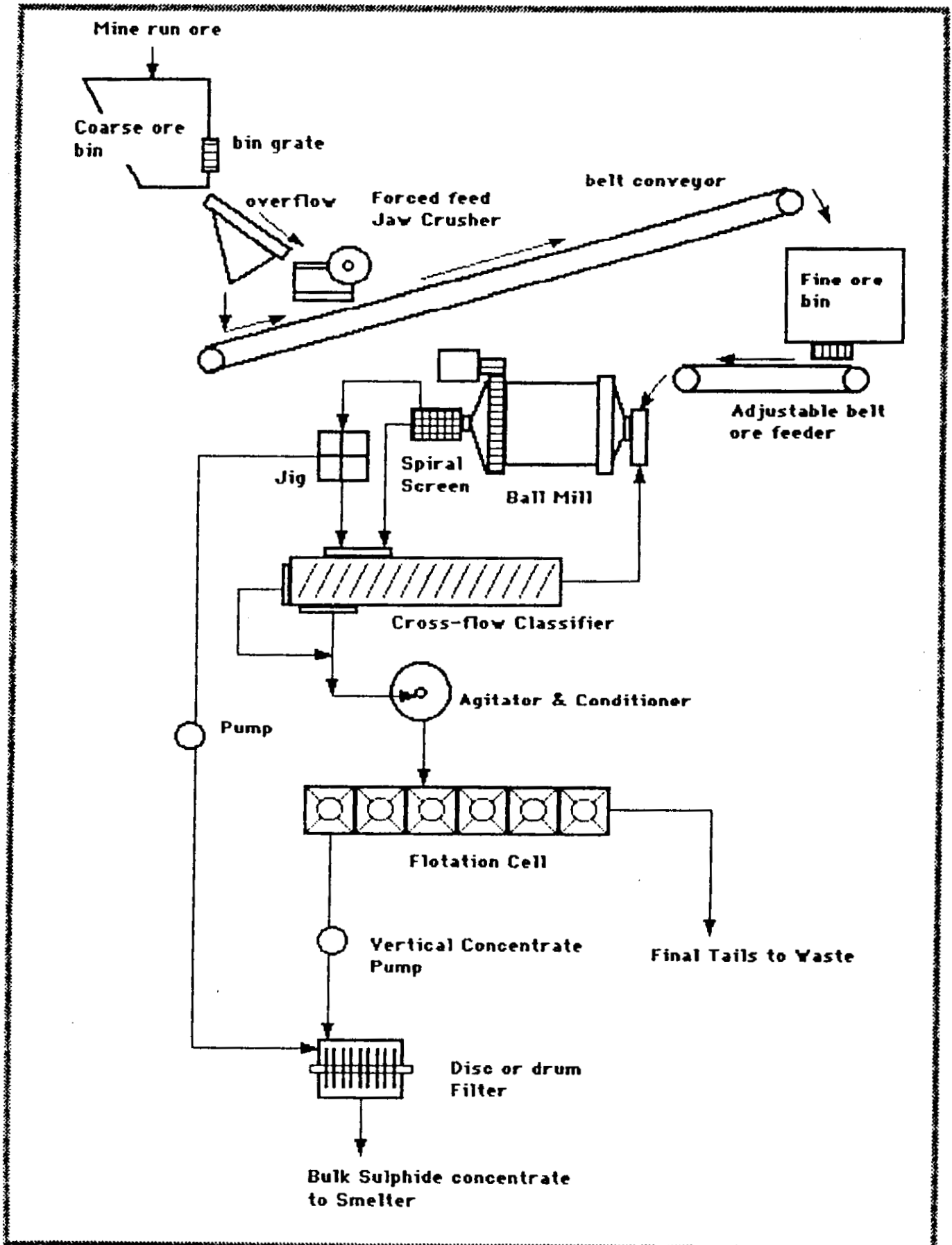
Remarks:  
 -----

We did encounter some free gold and as a result have included a jig in the flow sheet. Assay Certificates for assays performed are attached herewith and forms part of this report.

NESMONT PRECIOUS METAL CORPORATION

*Fred C. Burgess*

Fred C. Burgess  
 Plant Manager  
 Chief Assayer



SMALL BULK SULPHIDE PLANT - FLOW CHART - for Au & Ag



NESMONT  
PRECIOUS METALS  
CORPORATION

To:

Pacific Golden Spike Resources Ltd.

1500-409 Granville Street

Vancouver, BC

V6C 1T2

Attention: Mr. Emil Leimanis

Date: December 11, 1987

## Certificate of Assay

Control No. 10784

Page 1 of 2

We Hereby Certify that the following are the results of assays made by us upon submitted Bulk Ore samples.

Sample Identification	GOLD	SILVER	GOLD	SILVER	Lead	Zinc	Iron
	Ounces Per Ton	Ounces Per Ton	Percent	Percent	% Pb	% Zn	% Fe
#1 Main A Dump	0.035	6.96			0.39	1.00	2.60
#2 Road Cut Dump	0.021	12.91			0.45	0.67	2.50
#3 Dump Below Camp	0.020	3.73			0.45	0.61	3.25
#4 Over A Dump	0.034	7.87			1.48	3.08	2.90

Note: Pulps retained one month.

Rejects retained two weeks.

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NESMONT PRECIOUS METALS CORPORATION

  
Certified Provincial Assayer



NESMONT  
PRECIOUS METALS  
CORPORATION

To:

Pacific Golden Spike Resources Ltd.

1500-409 Granville Street

Vancouver, BC

V6C 1T2

Attention: Mr. Emil Leimanis

Date: December 10, 1987

## Certificate of Assay

Control No. 10784  
Page 2 of 2

We Hereby Certify that the following are the results of assays made by us upon submitted Test Product samples.

Sample Identification	GOLD	SILVER	GOLD	SILVER				
	Ounces Per Ton	Ounces Per Ton	Percent	Percent				
<u>Test Products</u>								
Heads	0.051	6.99						
Concentrate	1.28	154.46						
Tailings	0.006	1.74						

Note: Pulp retained one month.

Rejects retained two weeks.

NESMONT PRECIOUS METALS CORPORATION

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\_\_\_\_\_  
Certified Provincial Assayer