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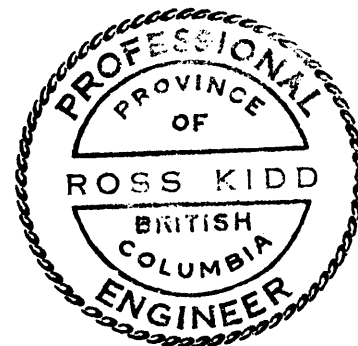
INTERPRETATION OF  
AIRBORNE GEOPHYSICAL RESULTS

BULKLEY VALLEY PROJECT

CYPRUS EXPLORATION CORP. LTD.

SMITHERS AREA

PROVINCE OF BRITISH COLUMBIA



TORONTO, ONTARIO  
APRIL 29TH, 1970

ROSS KIDD  
CONSULTING MINING ENGINEER

## INTRODUCTION

DURING APRIL AND MAY, 1969, LOCKWOOD SURVEY CORPORATION LIMITED CARRIED OUT AN AIRBORNE GEOPHYSICAL SURVEY OF AN AREA ALONG THE BULKLEY RIVER VALLEY OF CENTRAL BRITISH COLUMBIA. THE AREA SURVEYED IS ABOUT 50 MILES LONG AND 8 MILES WIDE, AND IT LIES BOTH UPRIVER AND DOWNRIVER FROM THE TOWN OF SMITHERS, B.C.

THE SURVEY INCLUDED BOTH AN ELECTROMAGNETIC SURVEY AND A MAGNETIC SURVEY, AND IT WAS CONDUCTED FROM A HELICOPTER.

ON MAY 17TH, 1969, I MADE AN INITIAL INTERPRETATION OF THE SURVEY PROFILES FROM THE RECORDING CHARTS, BEFORE THE RESULTS HAD BEEN REDUCED, OR FLIGHT PATH RECOVERY HAD BEEN MADE. SUBSEQUENT REDUCTION OF THE RESULTS HAS NOT CHANGED THE ELECTROMAGNETIC INTERPRETATION TO ANY SIGNIFICANT DEGREE, BUT THE MAGNETIC INTERPRETATION REQUIRES CHANGING, SINCE THE SIGN OF THE MAGNETIC PROFILES WAS TAKEN WRONGLY. THE OVERALL RATING OF THE VARIOUS ANOMALIES ALSO REQUIRES CHANGING, TO ACCOUNT FOR THE NEW MAGNETIC INTERPRETATION.

THIS REPORT PRESENTS THE NEW INTERPRETATION, AND IT SUPPLANTS AND REPLACES THE MAY 17TH, 1969 REPORT, WHICH SHOULD NOW BE CONSIDERED INVALID AND DISCARDED.

A COMPOSITE MAP SHOWING THE LOCATIONS OF THE FLIGHT LINES, THE ELECTROMAGNETIC CONDUCTORS, THE MAGNETIC CONTOURS, AND THE APPROXIMATE OUTLINES OF THE KNOWN GRANODIORITIC INTRUSIVES, ACCOMPANIES THIS REPORT.

SUMMARY OF RESULTS

P R E A M B L E

THE FLYING PROGRAM WAS CARRIED OUT WITH THE OBJECT OF LOCATING CONDUCTIVE SULFIDE BODIES.

THE IMPORTANT SULFIDE BODIES OF THE GENERAL DISTRICT, NOTABLY THE GRANISLE AND NEWMAN COPPER DEPOSITS, ARE LARGE LOW-GRADE BODIES LOCATED WITHIN MESOZOIC GRANODIORITE INTRUSIVES. THIS TYPE OF DEPOSIT, AND THIS INTRUSIVE ENVIRONMENT, ARE THOUGHT TO BE THE MOST LIKELY TO RE-OCCUR AS NEW OREBODIES. THE AIRBORNE RESULTS ARE THEREFORE ASSESSED MORE UPON THEIR PROXIMITY TO KNOWN BODIES OF MESOZOIC INTRUSIVE THAN UPON ANY OF THEIR ELECTRICAL OR MAGNETIC CHARACTERISTICS.

NEXT, THE CONDUCTORS ARE RATED UPON THEIR MAGNETIC ASSOCIATIONS, SINCE THE GRANISLE, NEWMAN, AND MORRISON DEPOSITS LIE IN A MAGNETICALLY ACTIVE ENVIRONMENT.

LASTLY, THE CONDUCTORS ARE RATED UPON THEIR ELECTRICAL CHARACTERISTICS, SINCE THE LOW-GRADE TYPE OF DEPOSITS EXPECTED ARE NOT LIKELY TO BE STRONG CONDUCTORS. INDEED, THE GRANISLE AND NEWMAN OREBODIES ARE BOTH WEAKLY CONDUCTIVE.

37 CONDUCTORS ARE RATED UPON THE ABOVE BASIS, AND THESE ARE SHOWN ON THE ACCOMPANYING INTERPRETATION SHEETS AS ANOMALIES 1 TO 35 (AND INCLUDING 13A AND 35A).

IN ADDITION ANOMALIES 36 TO 56 ARE RATED UPON THEIR PHYSICAL CHARACTERISTICS ONLY, SINCE ALL ARE GEOLOGICALLY REMOVED FROM KNOWN GRANODIORITIC INTRUSIVES. THE OBJECT OF

THIS IS TO SUGGEST POSSIBLE VEIN-TYPE SULFIDE DEPOSITS IN HAZELTON ROCKS. THESE DEPOSITS OCCUR IN THE DISTRICT, AND WHILE THEY DO NOT SEEM TO BE OF AS GREAT ECONOMIC IMPORTANCE AS THE GRANISLE TYPE BODIES, ANY NEW TARGETS OF THIS NATURE DESERVE INVESTIGATION.

### SUMMARY OF RESULTS

202 ANOMALIES WERE INTERPRETED FROM THE AIRBORNE CHARTS. ALL THESE ARE LISTED AND CATEGORIZED ON THE TEN ACCOMPANYING INTERPRETATION SHEETS.

FIFTY-EIGHT OF THESE ANOMALIES ARE RATED IN ORDER OF PRIORITY, AS FOLLOWS:

5, 7, 8, 2, 19, 40, 50A, 25, 49, 53A, 134, 135, 37, 10, 55, 39, 111, 34, 35, 103A, 106, 109, 100, 102, 93, 115, 98, 113A, 104, 104A, 59D, 107, 101, 99, 112, 113, 96, 81, 125A, 27, 120A, 59A, 58, 63, 63A, 64A, 66A, 69A, 74, 76A, 80, 82A, 90, 116, 117, 118B, 120, 127.

NONE OF THE RATED ANOMALIES ARE THOUGHT TO BE OUTSTANDING FEATURES GEOPHYSICALLY. AS DISCUSSED PREVIOUSLY, THE TYPE OF ORE DEPOSIT BEING SOUGHT IS NOT LIKELY TO RESPOND STRONGLY OR IN ANY OUTSTANDING WAY.

AIRBORNE WORK OVER THE GRANISLE AND NEWMAN DEPOSITS RESULTS IN WEAK ELECTROMAGNETIC RESPONSE IN A SETTING OF CONSIDERABLE MAGNETIC VARIATION. SEE INTERPRETATION SHEET 10.

ON THE OTHER HAND, THE RESULTS OF SOME CONTOUR FLYING OVER THE HUDSON BAY MOUNTAIN MOLYBDENITE OREBODY, WHICH ARE SHOWN ON INTERPRETATION SHEET 10, SHOW IMPRESSIVE GEOPHYSICAL

RESPONSES. IT IS ASSUMED THAT THESE ARE DUE TO RADIAL AND DOMAL VEINS WHICH LIE NEAR-SURFACE ABOVE THE MONZONITE ORE STOCK, AND WHICH CARRY HEAVY SULFIDES.

THE RESULTS OF AIRBORNE TRAVERSES ACROSS THE NEWMAN AND GRANISLE OREBODIES ARE ALSO SHOWN ON SHEET 10.

#### DETAILS OF AIRBORNE SURVEY

READINGS OF THE IN-AND-OUT-OF-PHASE COMPONENTS OF THE RESULTANT ELECTROMAGNETIC FIELD, PLUS READINGS OF VERTICAL MAGNETIC INTENSITY, WERE TAKEN FROM A HELICOPTER PLATFORM.

THE RECEIVING COILS WERE CARRIED IN A 30 FOOT BIRD TOWED BY THE HELICOPTER. FLYING HEIGHT WAS MAINTAINED AT ABOUT 220 FEET ABOVE THE GROUND, AND THE BIRD TRAVELLED AT ABOUT 100 FEET ABOVE THE GROUND. AN ALTIMETER RECORD WAS KEPT, ALONG WITH THE IN-PHASE AND OUT-OF-PHASE PROFILES, ON ONE RECORDER, AND THE MAGNETIC PROFILES WERE RECORDED ON ANOTHER RECORDER.

THE OPERATING ELECTROMAGNETIC FREQUENCY WAS 4,300 CPS, AND THE MAGNETOMETER USED WAS A GULF-TYPE FLUXGATE UNIT.

FLIGHT LINES WERE ORIENTED EAST-WEST, AND FLOWN AT ABOUT  $\frac{1}{2}$  MILE INTERVALS. A CONTINUOUS FILM RECORD WAS KEPT OF THE FLIGHT LINES.

#### DISCUSSION OF INTERPRETATION

THE LOCATIONS OF THE KNOWN INTRUSIVE STOCKS AS SHOWN ON THE ACCOMPANYING COMPOSITE MAP ARE TAKEN FROM

MAP 971A OF THE GEOLOGICAL SURVEY OF CANADA, EXCEPT FOR ONE STOCK IN THE WALCOTT AREA WHICH IS NOT SHOWN ON MAP 971A, BUT WHICH IS KNOWN TO EXIST.

SHOULD THE OUTLINES OF ANY OF THESE STOCKS BE SHOWN TO BE QUITE DIFFERENT BY FURTHER MORE DETAILED MAPPING, OR SHOULD FURTHER INTRUSIVE STOCKS BE FOUND, THEN THE INTERPRETATION AS SHOWN HEREIN WILL BE CHANGED, AND PERHAPS GREATLY CHANGED. IT IS, AFTER ALL, AN ASSESSMENT BASED LARGELY UPON GEOLOGICAL CONSIDERATIONS.

THE CHARACTERISTICS OF THE VARIOUS ANOMALIES ARE LISTED ON THE SHEETS, SO THAT THEY MAY BE RE-RATED IF NEW AND DIFFERENT GEOLOGICAL INFORMATION COMES TO HAND.

#### RECOMMENDATIONS

1. ALL THE RATED ANOMALOUS AREAS SHOULD BE PROSPECTED FOR MINERALIZED FLOAT AND SOIL OR SILT SAMPLED FOR HEAVY METALS.
2. AT THE SAME TIME GROUND ELECTROMAGNETIC WORK SHOULD BE DONE TO LOCATE THE AERIAL CONDUCTIVE INDICATION, AND MAGNETIC READINGS SHOULD ALSO BE TAKEN.
3. THE OUTLINES OF THE INTRUSIVES IN THE ANOMALOUS AREAS SHOULD BE MAPPED GEOLOGICALLY, PERHAPS WITH MAGNETOMETER ASSISTANCE.
4. THERE ARE A LARGE NUMBER OF ANOMALIES TO BE INVESTIGATED, BUT THE WORK CAN BE DONE IN RECONNAISSANCE FASHION, WITHOUT SPENDING TOO MUCH TIME ON EACH. SHOULD NO GEOCHEMICAL VALUES BE FOUND, AND NO MINERALIZED FLOAT,

OR SHOULD THE ANOMALY BE FOUND TO LIE WELL OUTSIDE THE INTRUSIVE AREAS, THE FOLLOW-UP WORK CAN BE SHIFTED TO THE NEXT RATED ANOMALY WITHOUT SERIOUS RISK OF MISSING SOMETHING LARGE OF THE GRANISLE-NEWMAN TYPE.

COST ESTIMATES

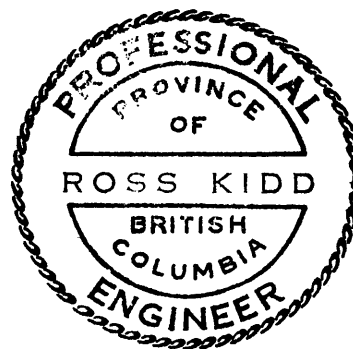
COST ESTIMATES FOR THE FOLLOW-UP WORK CAN ONLY BE GUESSED AT, SINCE SOME ANOMALIES CAN BE ELIMINATED CHEAPLY AND OTHERS WILL NOT BE.

PERHAPS A REASONABLE ESTIMATE WOULD BE \$20,000.

*Ross Kidd*

TORONTO, ONTARIO  
APRIL 29TH, 1970

ROSS KIDD  
MINING ENGINEER



ROSS KIDD  
APRIL 20, 1970

# INTERPRETATION of AIRBORNE RESULTS

## DULKLEY VALLEY PROJECT, B.C.

ANOMALY No.	FLIGHT LINE	ANOMALY CHARACTERISTICS			CONDUCTIVITY				AMPLITUDE			MAGNETIC CORRELATION	GEOPHYSICAL RATING	GEOLOGICAL RATING	RATED PRIORITY
		BROAD, INDISTINCT	MEDIUM	SHARP, DISTINCT	WEAK	MEDIUM	GOOD	STRONG	LOW	MEDIUM	HIGH				
1	2E	X			X					X			Low	Good	
2	3W	X			X					X			Low	High	4
3	"		X		X				X			IN LOW ON FLANK HIGH	Low	Low	
4	4E		X		X				X				Low	Good	
5	5W	X				X				X			Fair	High	1
6	6E		X		X				X			IN LOW ON FLANK HIGH	Low	Good	
7	"	X				X				X			Fair	High	2
8	"	X				X				X			Fair	High	3
9	7W	X			X					X			Low	Good	
10	"	X			X					X		30 GAMMA HIGH	Fair	Good	13A
11	8E		X		X					X		100 GAMMA LOW	Low	Low	
12	"		X		X					X			Low	Low	
13	"	X			X					X			Low	Low	
14	9W	X			X					X			Low	Low	
15	"	X			X					X			Low	Low	
16	"	X			X					X			Low	Low	
17	10E	X			X					X			Low	Low	
18	"	X			X					X			Low	Low	
19	12A	X			X					X			Low	High	5
20	13A	X			X					X			Low	Good	
21	15A			(2) X				X	X				Good	Low	
22	16E			X				X	X				Good	Low	NOT CONFIRMED ON TIE
23	17W			X		X				X		40 GAMMA LOW	Good	Low	



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		BROAD, INDISTINCT	MEDIUM	SHARP, DISTINCT	WEAK	MEDIUM	GOOD	STRONG	LOW	MEDIUM	HIGH				
24	17W			X			X			X			GOOD	LOW	
25	19W			X		X				X			FAIR	GOOD	8
26	"		X			X				X			FAIR	LOW	
27	20E			X		X				X		30 GAMMA HIGH	GOOD	LOW	38
28	21W	X				X				X			LOW	LOW	
29	23W	X			X					X			LOW	LOW	
30	"	X			X					X			LOW	LOW	
31	29W	X			X					X			LOW	LOW	
32	"			X		X				X			FAIR	LOW	
33	28E			X	X					X			LOW	GOOD	
34	"			X				X		X			GOOD	FAIR	17
35	27W			X				X		X			GOOD	FAIR	18
36	26	X				X				X			LOW	LOW	
37	25W			X		X			X				FAIR	GOOD	13
38	24E	X				X				X			LOW	LOW	
39	"	X					X			X			FAIR	GOOD	15
40	"	X					X				X	X	GOOD	GOOD	6
41	34E	X				X				X			LOW	LOW	
42	"		X				X			X			FAIR	LOW	CHECK STANDARD?
43	31W	X				X				X			LOW	LOW	
44	30E	X				X				X			LOW	LOW	
45	41W	X			X					X			LOW	LOW	
46	40E	X			X					X			LOW	LOW	

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ANOMALY NO.	FLIGHT LINE	ANOMALY CHARACTERISTICS			CONDUCTIVITY				AMPLITUDE			MAGNETIC CORRELATION	GEOPHYSICAL RATING	GEOLOGICAL RATING	RATED PRIORITY
		BROAD, INDISTINCT	MEDIUM	SHARP, DISTINCT	WEAK	MEDIUM	GOOD	STRONG	LOW	MEDIUM	HIGH				
47	40E			X	X					X			Low	Low	
48	37W	X				X				X			Low	Low	
49	36E	X				X				X		30 GAMMA HIGH	FAIR	Good	9
50	43A	X (2)				X				X			Low	Good	
50A	43AW?		X				X			X		80 GAMMA HIGH	Good	Good	7
51	47E	X				X				X			Low	Good	
52	"	X		PEAK		X				X			Low	Good	
52A	"	X				X				X		ON FLANK OF HIGH	Low	Low	
52B	"	X			X					X		100 GAMMA HIGH	FAIR	Low	
52c	"	X			X					X			Low	Low	
52d	"	X			X					X			Low	Low	
52E	"	X				X				X			Low	Low	
53	47AW	X		PEAK	X					X			Low	Good	
53A	"	X					X			X		BROAD WEAK LOW	FAIR	Good	10
53B	48E	X				X				X		ON FLANK OF HIGH	Low	Good	
54	"	X(2)				X				X		40 GAMMA LOW	Low	Good	CONTACT ZONE?
55	"		X		X					X		ON FLANK OF HIGH	FAIR	Good	14
56	"	X				X				X			Low	Low	
56A	"		X				X			X			FAIR	Low	
57	"		X				X				X	120 GAMMA LOW	Good	Low	
58	"			X	X						X	BROAD 60 G. HIGH	Good	Low	41
58A	49W	X			X					X			Low	Low	
59	"		X		X					X			Low	Low	

Ross Kidd  
 APRIL 20, 1970

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# INTERPRETATION of AIRBORNE RESULTS

## BULKLEY VALLEY PROJECT, B.C.

ANOMALY No.	FLIGHT LINE	ANOMALY CHARACTERISTICS			CONDUCTIVITY				AMPLITUDE			MAGNETIC CORRELATION	GEOPHYSICAL RATING	GEOLOGICAL RATING	RATED PRIORITY	
		BROAD, INDISTINCT	MEDIUM	SHARP, DISTINCT	WEAK	MEDIUM	GOOD	STRONG	LOW	MEDIUM	HIGH					
59A	49W	X		PEAK			X				X		60 GAMMA HIGH	GOOD	LOW	40
59B	"			X			X				X		ON FLANK 120 G. HIGH	GOOD	LOW	
59C	"		X		X						X		BETWEEN 2 HIGHS	FAIR	LOW	
59D	"			X	X				X				ON FLANK OF HIGH	FAIR	FAIR	30
60	49W		X		X						X		BETWEEN 2 HIGHS	LOW	GOOD	
61	"		X			X					X			LOW	GOOD	
61A	50E			X	X				X					LOW	LOW	
62	"	X				X					X			LOW	LOW	
63	"			X	X						X		80 GAMMA HIGH	GOOD	LOW	42
63A	"		X		X						X		70 GAMMA HIGH	GOOD	LOW	43
64	"			X			X				X			FAIR	LOW	
64A	51W			X			X		X				BROAD 60 GAMMA HIGH	GOOD	LOW	44
65	"	X			X						X			LOW	LOW	
65A	"	X			X						X		SHARP 50 GAMMA HIGH	FAIR	LOW	
66	"	X			X						X		BROAD 60 GAMMA HIGH	FAIR	LOW	
66A	"		X				X				X		X	GOOD	LOW	45
67	52E			X	X						X			LOW	LOW	
68	"	X			X						X		BETWEEN 2 BROAD HIGHS	LOW	LOW	
69	53W	X		2 PEAKS		X					X			LOW	LOW	
69A	"			X	X						X		100 GAMMA HIGH	GOOD	LOW	46
69B	"	X				X					X			LOW	LOW	
70	54E		X				X				X			FAIR	LOW	
70A	"	X				X					X			LOW	LOW	

# INTERPRETATION of AIRBORNE RESULTS

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ANOMALY No.	FLIGHT LINE	ANOMALY CHARACTERISTICS			CONDUCTIVITY				AMPLITUDE			MAGNETIC CORRELATION	GEOPHYSICAL RATING	GEOLOGICAL RATING	RATED PRIORITY
		BROAD, INDISTINCT	MEDIUM	SHARP, DISTINCT	WEAK	MEDIUM	GOOD	STRONG	LOW	MEDIUM	HIGH				
70B	54E	X			X					X		BROAD 20 GAMMA HIGH	FAIR	Low	
71	"		X				X			X		ON FLANK OF HIGH	FAIR	Low	
71A	"		X		X					X		60 GAMMA HIGH	FAIR	Low	
71B	"	X					X			X			Low	Low	
71c	"		X		X					X			Low	Low	
71D	55W		X			X					X		FAIR	Low	
72	"		X		X					X			Low	Low	
73	"			X				X		X			FAIR	Low	
74	"	X						X		X		BROAD 60 GAMMA HIGH	GOOD	Low	47
74A	56E			X		X				X		20 GAMMA HIGH	FAIR	Low	
74B	"	X					X			X			Low	Low	
75	"			X		X				X			Low	Low	
76A	57E		X			X				X		120 GAMMA HIGH	GOOD	Low	48
76	"			X	X					X			Low	Low	
77	58W		X				X			X		ON FLANK OF HIGH	FAIR	Low	
77A	"		X				X			X			FAIR	Low	
78	"		X				X			X			FAIR	Low	
78A	59E	X				X				X			Low	Low	
79	"		X			X				X			Low	Low	
80	"		X			X				X		140 GAMMA HIGH	GOOD	Low	49
80A	60W	X					X			X		ON FLANK OF HIGH	FAIR	Low	
80B	"	X			X					X			Low	Low	
80c	61E		X			X				X		MAG. LOW	FAIR	Low	

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# INTERPRETATION of AIRBORNE RESULTS

## DULKLEY VALLEY PROJECT, B.C.

ANOMALY NO.	FLIGHT LINE	ANOMALY CHARACTERISTICS			CONDUCTIVITY				AMPLITUDE			MAGNETIC CORRELATION	GEOPHYSICAL RATING	GEOLOGICAL RATING	RATED PRIORITY
		BROAD, INDISTINCT	MEDIUM	SHARP, DISTINCT	WEAK	MEDIUM	GOOD	STRONG	LOW	MEDIUM	HIGH				
80D	61E		X			X				X			Low	Low	
81	62W			X			X			X		200 GAMMA HIGH	HIGH	Low	36
82	"			X			X		X				FAIR	Low	
82A	"			X			X		X			500 GAMMA HIGH	GOOD	Low	50
83	63E		X				X			X		ON FLANK OF HIGH	FAIR	Low	
83A	"			X	X					X			FAIR	Low	
83B	"	X					X			X		80 GAMMA BROAD HIGH	FAIR	Low	
83C	"			X				X		X			FAIR	Low	
84	64W			X	X					X		BROAD HIGH	Low	Low	
84A	"			X			X		X				FAIR	Low	
84B	65E		X				X			X			Low	Low	
85	"			X		X				X		ON FLANK OF HIGH	FAIR	Low	
85A	67E			X				X	X			ON FLANK OF HIGH	FAIR	Low	
86	"			X	X					X		ON FLANK OF HIGH	Low	Low	
86A	68W		X		X					X			Low	Low	
87	"			X	X					X		ON FLANK OF HIGH	Low	Low	
88	70W	X				X				X		WEAK LOW	Low	Low	
89	"	X				X				X			Low	Low	
89A	71E			X		X				X		ON FLANK 1000 G. HIGH	FAIR	Low	
90				X		X				X		200 GAMMA HIGH	GOOD	Low	51
91	72W			X		X			X			MAG. LOW	FAIR	Low	
92	73AW			X		X				X		FLANK 100 GAMMA HIGH	FAIR	FAIR	
93	74E	X				X				X		300 GAMMA SHARP HIGH	FAIR	FAIR	24

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# INTERPRETATION of AIRBORNE RESULTS

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ANOMALY No.	FLIGHT LINE	ANOMALY CHARACTERISTICS			CONDUCTIVITY				AMPLITUDE			MAGNETIC CORRELATION	GEOPHYSICAL RATING	GEOLOGICAL RATING	RATED PRIORITY	
		BROAD, INDISTINCT	MEDIUM	SHARP, DISTINCT	WEAK	MEDIUM	GOOD	STRONG	LOW	MEDIUM	HIGH					
93A	74E	X				X					X		MAG. LOW	LOW	FAIR	
94	74AW	X				X					X		SLIGHT LOW	LOW	FAIR	
95	"	X				X					X		ON FLANK LARGE LOW	LOW	FAIR	
95A	"	X				X					X			LOW	FAIR	
96	75E			X			X				X			FAIR	FAIR	35A
97	"	X				X					X		ON FLANK OF LOW	LOW	FAIR	
98	"			X		X					X		BROAD HIGH	FAIR	FAIR	26
98A	"	X					X				X			LOW	FAIR	
98B	75AW	X					X				X			LOW	FAIR	
99	"	X					X					X	ON FLANK OF HIGH	FAIR	FAIR	33
100	"			X				X			X		BROAD HIGH	GOOD	FAIR	22
100A	76E	X				X					X		ON FLANK OF LOW	LOW	FAIR	
101	76AW			X		X					X			FAIR	FAIR	32
102	"			X			X				X		FLANK 170 GAMMA HIGH	GOOD	FAIR	23
102A	"			X		X			X					LOW	FAIR	
103	77E	X						X			X		MAG. LOW	FAIR	LOW	
103A	"			X		X			X				SMALL HIGH NEAR LARGE HIGH	GOOD	FAIR	19
104	"			X		X					X		BETWEEN 2 HIGHS	FAIR	FAIR	28
104A	77AW	X					X				X		ON FLANK OF HIGH	FAIR	FAIR	29
105	"			X		X					X		ON FLANK OF LOW	LOW	FAIR	
106	"			X			X				X		SMALL HIGH NEAR LARGE HIGH	GOOD	FAIR	20
106A	"	X				X					X			LOW	FAIR	
107	78E			X			X				X		BETWEEN 2 HIGHS	FAIR	FAIR	31

# INTERPRETATION of AIRBORNE RESULTS

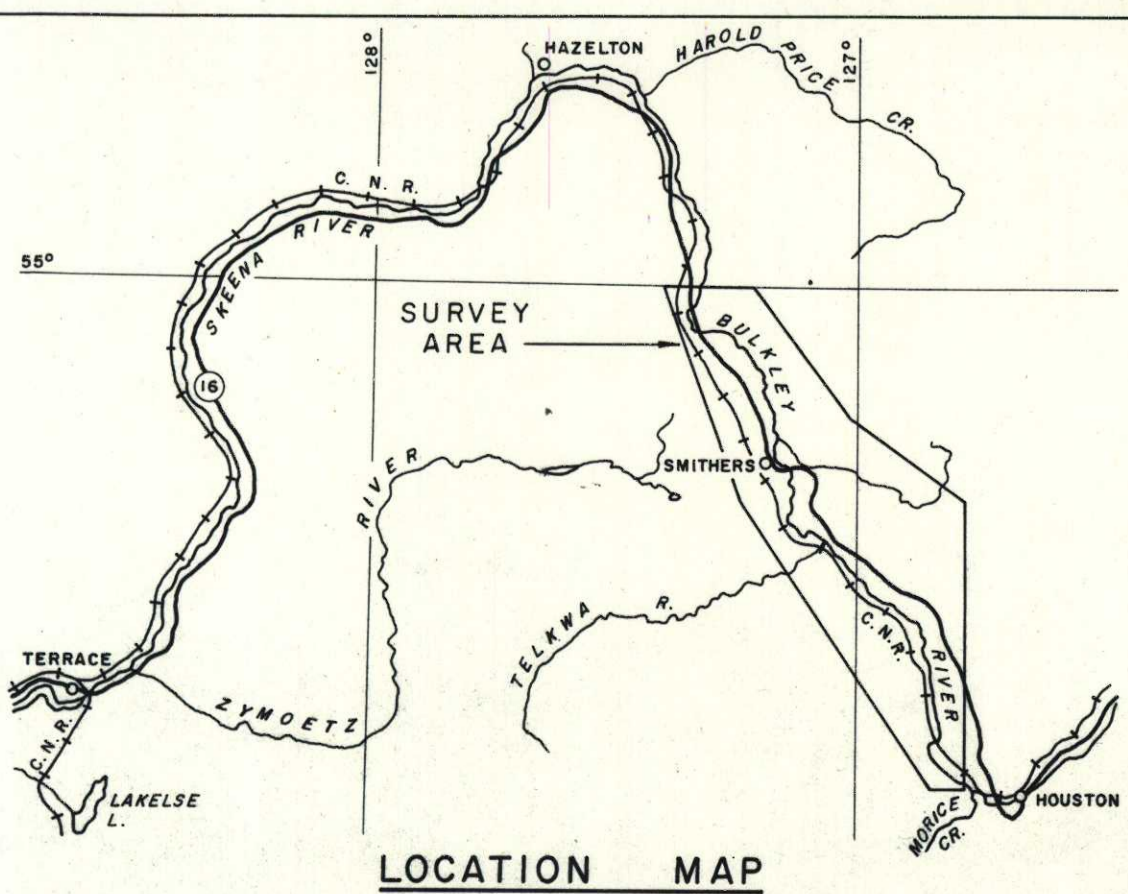
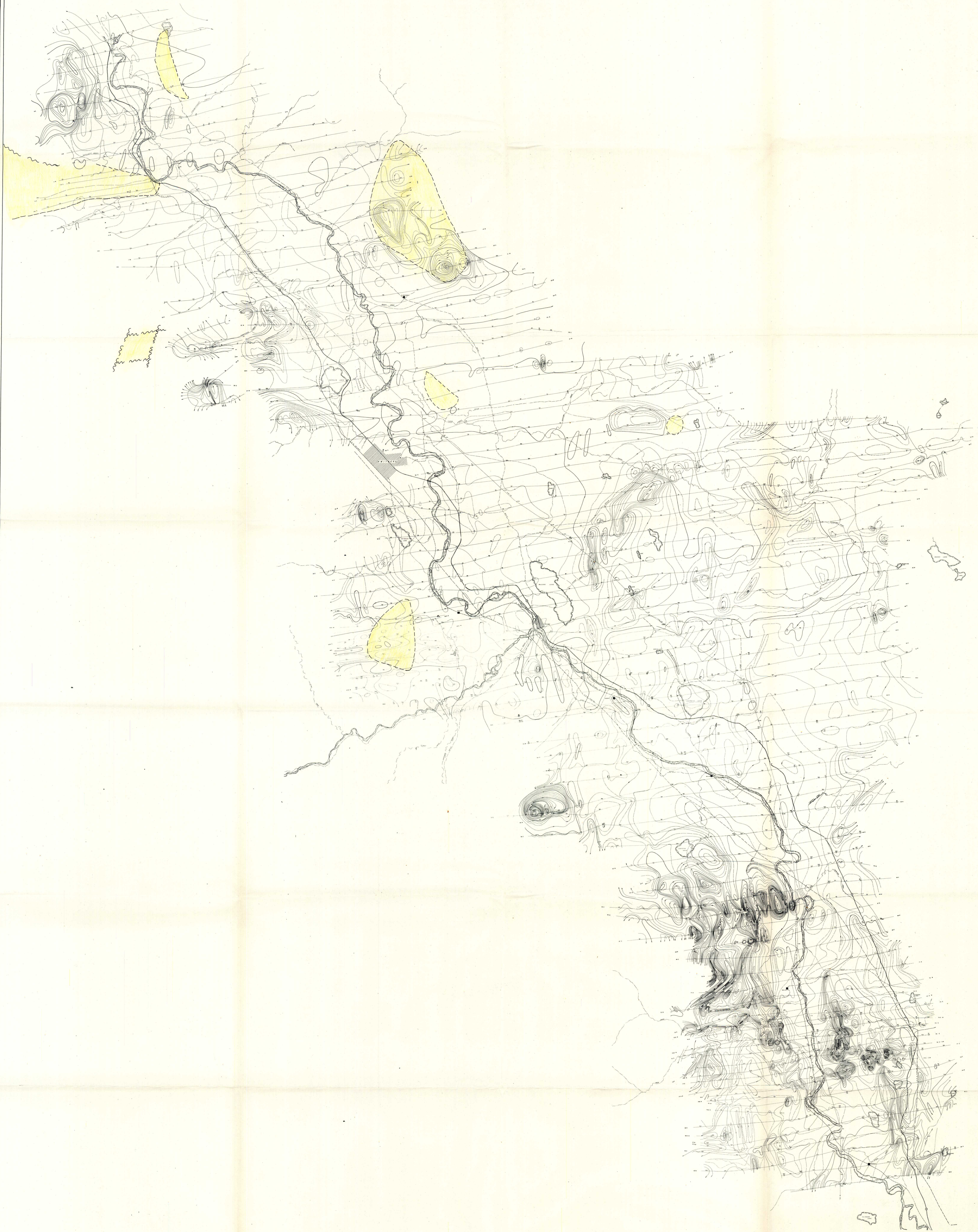
## DULKLEY VALLEY PROJECT, B.C.

ANOMALY No.	FLIGHT LINE	ANOMALY CHARACTERISTICS			CONDUCTIVITY				AMPLITUDE			MAGNETIC CORRELATION	GEOPHYSICAL RATING	GEOLOGICAL RATING	RATED PRIORITY
		BROAD, INDISTINCT	MEDIUM	SHARP, DISTINCT	WEAK	MEDIUM	GOOD	STRONG	LOW	MEDIUM	HIGH				
108	78E	X				X				X		BETWEEN 2 HIGHS	LOW	FAIR	
108A	"	X				X				X		" "	LOW	FAIR	
109	"			X		X				X		" "	LOW	FAIR	21
110	79W			X		X				X			LOW	FAIR	
111	"			X			X			X		SHARP 200 GAMMA HIGH	HIGH	FAIR	16
111A	78AW	X				X				X			LOW	LOW	
112	80E			X			X			X			FAIR	FAIR	34
113	"			X			X			X			FAIR	FAIR	35
113A	"	X				X				X		BROAD HIGH	FAIR	FAIR	27
114	"			X	X					X		BETWEEN 2 HIGHS	LOW	FAIR	
115	"	X				X				X		150 GAMMA HIGH	FAIR	FAIR	25
115A	"	X			X					X		BETWEEN 2 HIGHS	LOW	LOW	
116	81W			X		X				X		130 GAMMA HIGH	GOOD	LOW	52
117	"			X	X					X		50 GAMMA HIGH	GOOD	LOW	53
117A	"	X			X					X			LOW	LOW	
118	"			X	X					X			LOW	LOW	
118B	80AE	X				X				X		2 CORRELATING EM & MAG PEAKS	GOOD	LOW	54
119	81AW		X			X				X		30 GAMMA HIGH	FAIR	LOW	
120	"			X		X				X		20 GAMMA HIGH	GOOD	LOW	55
120A	"			X			X			X		30 GAMMA HIGH	HIGH	LOW	39
121	82E	X			X					X		50 GAMMA HIGH	FAIR	LOW	
122	"			X	X					X			LOW	LOW	
123	"		X			X				X		NEAR PEAK MAG. HIGH	FAIR	LOW	





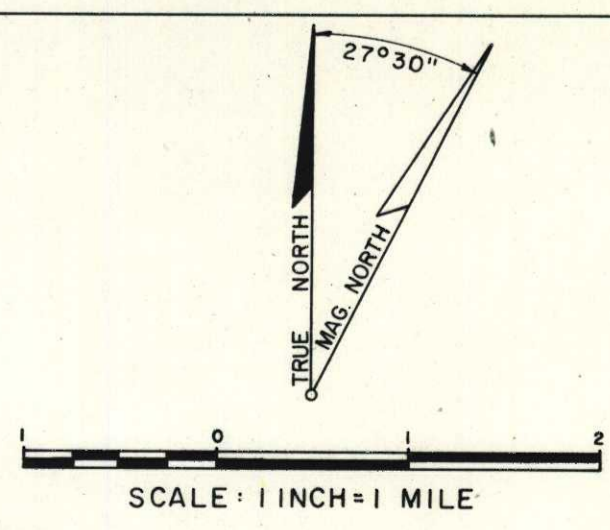




**CONDUCTORS**

- Ground tested Anomalies and Ferrousites
- Ground tested Anomalies and of Economic Interest
- Anomalies requiring initial ground testing

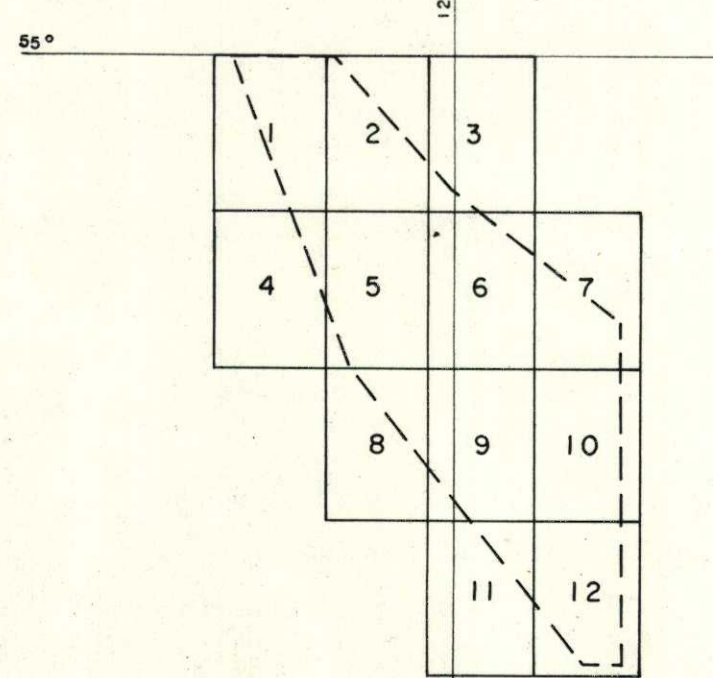
Base intensity arbitrary  
 Flight lines and photo identity points  
 Isomagnetic Contours:  
 500 Gammas  
 100 Gammas  
 50 Gammas



**LEGEND**

- Magnetic High
- Magnetic Low
- Magnetic Depression

GRANODIORITIC INTRUSIVE  
 FROM MAP 971A-25C



SHEET INDEX FOR  
 1 INCH = 1/4 MILE MAPS

**CYPRUS EXPLORATION CORPORATION LTD.**  
 BULKLEY VALLEY PROJECT  
 HELICOPTER MAGNETIC AND  
 ELECTRO MAGNETIC SURVEYS  
 SMITHERS, B.C.

