

Addendum to the Summary Report on the

IRON MASK PROJECT

for

Great Plains Development Company of Canada, Ltd.

G.D. Delane, B.Sc.

February 15th, 1971

860848



BACON & CROWHURST LTD.

1720-1055 West Hastings Street
Vancouver 1, B.C.

ADDENDUM

to the

SUMMARY REPORT

on the

IRON MASK PROJECT

for

GREAT PLAINS DEVELOPMENT COMPANY OF CANADA LIMITED

by

G.D. DELANE, B.Sc.

Vancouver, B.C.

February 15th, 1971.

LIST OF ILLUSTRATIONS

Plate 4 - (revised) - Plan showing drill holes and geochemical anomalies - 1" = 400'	In pocket
Plate 5 - (revised) - Drill hole assay plan - 1" = 100'	In pocket
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Diamond Drill Hole Logs	Back of Report
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Since August 15th, 1970, additional work in the form of percussion and diamond drilling was carried out on the mineral claims of the Iron Mask project in accordance with the recommendations of the July 25th, 1970, Summary Report of the Iron Mask Project by Bacon & Crowhurst Ltd.

Seven percussion drill holes by H. Horning Percussion Drilling Ltd. (totalling 1980') and six diamond drill holes by Inspiration Drilling Ltd. (totalling 2118') were drilled in the immediate vicinity of the ski tow on the Grandview Ski Acres Ltd. lease where previous exploration work had indicated the presence of copper mineralization. Following this, eight more percussion holes totalling 2570' were drilled by Tonto Explorations Ltd. to test some of several small geochemical anomalies which are peripheral to or at some distance from the Grandview Ski Acres lease.

The results of the drilling indicate that the main copper mineralization is apparently localized in and near the breccia zone at the top of the ski tow. In this locality, on line 12+00W, the mineral zone appears to be about 900' wide in a north-south direction and at least 300' deep with a probable trend to the west or northwest. The chalcopyrite mineralization was found to occur as blebs, patches, and steeply-dipping (about 70° S) veinlets near fault zones in micromonzonite-microdiorite and/or andesite breccia rocks.

Significant drill intersections in percussion holes PR-3A and 33 (respectively 390' of 0.105% Cu and 110' of 0.24% Cu) which are located 2000' farther to the west of the top of the ski tow, may represent an extension of the main mineral zone. If this is proven to be correct, then this zone could contain about 35 million tons of sub-marginal material.

The drilling of the peripheral anomalies encountered only sparse amounts of weak mineralization. In spite of this fact, these areas, and particularly those north and northwest of the Grandview Ski Acres lease, cannot be written off entirely for the following reasons:

1. The favourable geology - the presence of locally altered, fine grained, batholithic rocks underlying most of the area and containing some scattered mineralization near the contact with the Nicola volcanics.
2. The layer of caliche (a calcium carbonate - clayey soil capping), which presently covers much of the area, could suppress or inhibit the upward migration of metal ions through the soil and hence 'mask' or prevent the detection of geochemical anomalies on the property.
3. The distribution and relative abundance of the metal sulfides on the property could be such that they are beyond the detection limits of the geophysical equipment in current use.

4. The proximity to the mineralization (10 million tons of 0.51% Cu) on Cominco's Ajax, Wheel Tamar and Monte Carlo properties near Jacko Lake makes the Iron Mask claims of Great Plains strategically important.

In summary, the main geochemical anomalies in the vicinity of the ski tow have been sufficiently drilled for the present. The zone of mineralization here has apparently been delimited to the east but is open to the west and could be continuous for 2000 feet more towards the mineral intersections in drill holes PR-3A and 33.

The fact that copper mineralization has been found scattered over much of the length (18 miles) of the Iron Mask batholith, and particularly in the vicinity of the Grandview ski tow, suggests that the Iron Mask properties of Great Plains could contain deposits of low-grade copper mineralization.



G.D. Delane, B.Sc.,
Bacon & Crowhurst Ltd.

February 15th, 1971.

TABULATION OF FOOTAGE DRILLED ON IRON MASK PROJECT IN 1970
for GREAT PLAINS DEVELOPMENT COMPANY OF CANADA LTD.

<u>Percussion Drilling</u>				<u>Diamond Drilling</u>	
PR-1	170'	PR-24	410'	D.D.H. IM-1	370'
2	Cancelled	25	310'	2	468'
3	160'	26	300'	3	503'
3A	400'	27	320'	4	622'
4	120'	28	320'	5	123'
5	40'	29	270'	6	296'
5A	130'	30	400'	7	324'
6	120'	31	330'	8	Cancelled
7	30'	32	340'	9	656'
8	80'	33	200'	10	Cancelled
9	270'	34	300'	11	405'
10	390'	35	320'	12	314'
11	400'	36	320'		
12	310'	37	400'		
13	300'	38	Cancelled		
14	Cancelled	39	40'		
15	210'	40	400'		
16	400'	41	380'		
17	300'	42	400'		
18	300'	43	90'		
19	300'	44	400'		
20	330'	45	230'		
21	310'	46	400'		
22	300'	47	300'		
23	230'	48	370'		

Total footage
percussion drilled = 13,150'

Total footage
diamond drilled = 4081'

January 29th, 1971.

G.D. Delane,
Bacon & Crowhurst Ltd.

TABULATION OF COMPLETED DIAMOND DRILL HOLES
 BY INSPIRATION DRILLING LTD.
 FOR GREAT PLAINS DEVELOPMENT COMPANY OF CANADA LTD.
 ON MINERAL CLAIMS OF THE IRON MASK PROJECT
 DURING THE PERIOD APR. 28 - JUNE 8, 1970.

<u>Hole No. & Drilling Dates</u>	<u>Coordinates & Approximate Elevations</u>	<u>Bearing</u>	<u>Dip</u>	<u>Length</u>	<u>Purpose & Remarks - Intersections & Average Grades in % Cu</u>
IM #1 (June 2-8)	40+00E, 19+06N 2840' elev.		Vertical	370'	Test McPhar IP anomaly. Not sampled; deep overburden & intercalated sediments.
IM #2 (May 22-27)	20+00W, 1+25S 3455'	due S	-45°	468'	Test possible NW extension of zone through PR-11 & IM #4. 448' 0.043%
IM #3 (June 12-17)	12+00W, 5+25S	due N	-45°	503'	Test 2800 ppm Cu anomaly. 483' 0.21%
IM #4 (Apr. 28 - May 19)	14+08W, 4+04S 3470'		Vertical	621.5'	Test mineralization near trenches & 585 ppm Cu geochem anomaly. 160' 0.393% Cu, or 620' 0.103%

Total footage diamond drilled = 1963'

June 18, 1970.

G. D. Delane,
 Bacon & Crowhurst Ltd.

TABULATION OF COMPLETED DIAMOND DRILL HOLES
 BY INSPIRATION DRILLING LTD.
 ON MINERAL CLAIMS OF THE IRON MASK PROJECT
 FOR GREAT PLAINS DEVELOPMENT COMPANY OF CANADA LTD.
 DURING AUGUST-SEPTEMBER 1970

<u>Drill Hole No. & Drilling Dates</u>	<u>Coordinates & Approximate Elevations</u>	<u>Bearing</u>	<u>Dip</u>	<u>Length</u>	<u>Purpose & Remarks - Intersections & Average Grades in % Cu</u>
IM-5 (Aug. 26-29)	15+90W, 6+50S 3420'	due N	-35°	123'	To test projection of geochem anomaly; terminated, poor recovery & progress.
IM-6 (Sep. 22-25)	8+00W, 2+70S 3230'	due N	-45°	296'	Test 13,500 ppm geochem anomaly. 150' 0.18%, or 280' 0.142%
IM-7 (Sep. 16-19)	0+80W, 0+65S 3140'	due N	-45°	324'	Test 1400 ppm geochem anomaly. 304' 0.098%
IM-9 (Aug. 16-23)	12+00W, 3+00S 3310'	due N	-40°	656'	Test 1600 ppm geochem anomaly. 440' 0.156% 636' 0.131%
IM-11 (Aug. 31- Sep. 6)	15+90W, 6+57S 3422'	due N	-60°	405'	Replaces IM-5 - to test geochem anomaly projection. 385' 0.0975%
IM-12 (Sep. 9-14)	15+85W, 5+25S 3375'	due N	-45°	314'	Test 585 ppm geochem anomaly. 110' 0.38% 288' 0.188%

Total footage diamond drilled = 2118'

October 6, 1970.

G.D. Delane,
 Bacon & Crowhurst Ltd.

TABULATION OF COMPLETED PERCUSSION DRILL HOLES
 BY H. MORNING PERCUSSION DRILLING LTD.
 ON MINERAL CLAIMS OF THE IRON MASK PROJECT
 FOR GREAT PLAINS DEVELOPMENT COMPANY OF CANADA LTD.

<u>Hole No.</u>	<u>Coordinates</u>	<u>Bearing</u>	<u>Dip</u>	<u>Length</u>	<u>Remarks or Purpose</u>
<u>I GROUP IM #1 - ASSESSMENT WORK - JAN. 23, 24, 1970</u>					
PR-1 (Jan. 23)	L16W, 3+52S		Vertical	170'	On basalt capping 50' thick; hit water at 140'
PR-3	L32W, 1+00N		Vertical	160'	On geochem soil anomaly of 1410 ppm; 3' over- burden - no water encountered.
<u>II GROUP IM #2 - ASSESSMENT WORK - JAN. 24, 25, 1970</u>					
PR-4	5+00W, 27+00N		Vertical	120'	Test mineralization near trench - suspended - very damp rock.
PR-5	4i+75E, 18+00N		Vertical	40'	To test IR anomaly; abandoned in clayey overburden - hit water & gravel at 30'
PR-6	6+75W, 28+00N		Vertical	120'	Collared on bedrock.
PR-7	L4W, 29+40N		Vertical	30'	Stopped in damp clayey overburden.
PR-8	LSW, 29+80N		Vertical	80'	Collared on bedrock.

Total footage drilled for assessment = 720'

April 8th, 1970.

G.D. Dalena,
 BACON & CROWHURST LTD.

CASUALTY OF COMPLETED PERCUSSION DRILL HOLES BY H. HORNING
 FOR GREAT PLAINS DEVELOPMENT COMPANY OF CANADA LTD.
 ON MINERAL CLAIMS OF THE IRON MASK PROJECT

<u>Hole No.</u>	<u>Coordinates</u>	<u>Bearing</u>	<u>Dip</u>	<u>Length</u>	<u>Purpose & Remarks</u>
Drilling Dates					
PR-10 (Feb. 24, 25, 26)	L36W, 2+00S		Vertical	390'	Test IP anomaly.
PR-3A (Feb. 27, 28)	L32W, 1+00N		Vertical	400'	To deepen hole PR-3 on 1410 ppm soil anomaly.
PR-13 (Mar. 1, 2, 3)	8+25E, 7+50S	S08° W	-45°	300'	To test geochem anomaly, 2280 ppm, & visible sulfides in road cut.
PR-12 (Mar. 4, 9)	16+50E, 11+00S	S50° E	-45°	310'	Test extension of vein in Ace #1 tunnel.
PR-5A (Mar. 10, 11)	41+75E, 18+00N		Vertical	130'	Deepening of hole PR-5; abandoned again in clays. Test IP anomaly.
PR-9 (Mar. 12, 13)	L40E, 23+50N		Vertical	270'	Abandoned in clayey material; test IP anomaly.
PR-15 (Mar. 14, 15)	L44E, 23+00N		Vertical	210'	Test IP anomaly; Alternate hole to PR-5A, 9. Abandoned in clayey rock material.

Total footage percussion drilled (Feb. 24 - March 15) = 2010'

April 8th, 1970.

G.D. Dalano,
BACON & CROMBIE LTD.

PERCUSSION OF COMPLETED PERCUSSION DRILL HOLES
BY H. MORNING DRILLING & MILLING LTD.
FOR GREAT PLAINS DEVELOPMENT CO. OF CANADA LTD.
ON MINERAL CLAIMS OF THE IRON MINE PROJECT
DURING THE PERIOD APRIL 10-23, 1970

<u>Hole No. & Drilling Dates</u>	<u>Coordinates</u>	<u> bearing</u>	<u> Dip</u>	<u> Length</u>	<u>Purpose & Remarks</u>
ER-20 (Apr. 10, 11)	7+33E, 1+35S	due S.	-45°	330'	Test 1120 ppm Cu anomaly.
ER-21 (Apr. 12, 13, 14)	2+65E, 4+20S	"	"	310'	Test extension of Fair vein & 545 ppm Cu anomaly.
ER-11 (Apr. 19, 20)	14+00W, 4+00S		Vertical	400'	Test trench mineralization & 505 ppm Cu anomaly.
ER-16 (Apr. 21)	12+00W, 1+60S		vertical	400'	Test McPhar IP anomaly.
ER-17 (Apr. 17)	10+00W, 0+60N	due S.	-45°	300'	Test 2720 ppm Cu anomaly.
ER-18 (Apr. 18, 19)	11+70W, 3+60S	due S.	"	"	Test 2300 ppm Cu anomaly.
ER-19 (Apr. 15, 16)	8+50W, 1+65S	"	"	"	Test 13500 ppm Cu anomaly.
ER-22 (Apr. 22, 23)	64+25N, 2+10E (RCV coordinates)		vertical	"	Test RCV Cu anomaly.
ER-23 (April 22)	L12W, 6+12S	due S.	-45°	230'	Test McPhar IP anomaly; abandoned - tight hole.

Total footage percussion drilled = 2870'

G.D. Delano,
Bacon & Crowhurst Ltd.,
April 30, 1970.

TABLEULATION OF COMPLETED PERCUSSION DRILL HOLES
 BY H. HORNING PERCUSSION DRILLING LTD.
 FOR GREAT PLAINS DEVELOPMENT CO. OF CANADA LTD.
 ON MINERAL CLAIMS OF THE IRON MASK PROJECT
 DURING THE PERIOD MAY 9-16, 1970.

<u>Hole No. & Drilling Dates</u>	<u>Coordinates & Approximate Elevations</u>	<u>Bearing</u>	<u>Dip</u>	<u>Length</u>	<u>Purpose & Remarks</u>
ER-24 (May 9)	1+00W, 1+00N 3280' elev.	due S	-45°	410'	Test 1400 ppm geochem anomaly
ER-25 (May 9, 10)	4+00W, 1+50N 3295'	due S	-45°	310'	Test 1160 ppm geochem anomaly
ER-26 (May 16)	4+00W, 3+00S 3270'	due S	-45°	300'	Test 585 ppm geochem anomaly
ER-27 (May 11)	6+00W, 1+30N 3310'	due S	-45°	320'	Test possible extension of zone from ER-17 to ER-25
ER-28 (May 13)	6+00W, 0+65S 3340'	due S	-45°	320'	Test possible extension of zone from ER-19 to ER-24
ER-29 (May 10)	8+25W, 1+00N 3250'	due S	-45°	270'	Test 2300 ppm geochem anomaly
ER-30 (May 13)	12+00W, 1+35N 3385'	due S	-45°	400'	Test 1080, 1880, & 1600 ppm geochem anomaly
ER-31 (May 11)	20+00W, 6+10N 3420'	due S	-45°	330'	Test 426 & 1000 ppm geochem anomaly
ER-32 (May 12)	23+00W, 3+00N 3450'	due S	-45°	340'	Test 220 ppm geochem anomaly as possible zone extension through ER-3A

Total footage drilled for assessment = 3000'

June 8th, 1970.

G.D. Delane,
 Bacon & Crowhurst Ltd.

TABULATION OF COMPLETED PERCUSSION DRILL HOLES
 BY T. MORNING PERCUSSION DRILLING LTD.
 ON MINERAL CLAIMS OF THE IRON MASK PROJECT
 FOR GREAT PLAINS DEVELOPMENT COMPANY OF CANADA LTD.
 DURING AUGUST 1970

<u>Drill Hole No. & Drilling Dates</u>	<u>Coordinates & Approximate Elevations</u>	<u>Bearing</u>	<u>Dip</u>	<u>Length</u>	<u>Purpose & Remarks</u>
PR-33 (Aug. 20)	31+00W, 0+50S 3325'	due N	-45°	200'	Test 1200 ppm geochem. anomaly; terminated hole lost H ₂ O circulation.
PR-34 (Aug. 21)	33+00W, 0+50S 3295'	due N	-45°	300'	Test 527 ppm geochem. anomaly.
PR-35 (Aug. 25)	4+00E, 2+65S 3045'	due N	-45°	320'	Test 3360 ppm geochem. anomaly.
PR-36 (Aug. 24)	8+00W, 8+50S 3355'	due N	-45°	320'	Test 426 ppm geochem. anomaly.
PR-37 (Aug. 26)	0+00W, 6+00S 3190'	Vertical		400'	Test 495 ppm geochem. anomaly.
PR-39 (Aug. 23)	16+30W, 2+50N 3275'	due N	-45°	40'	Test 527 ppm geochem. anomaly; abandoned hole - lost H ₂ O circulation.
PR-40 (Aug. 23)	31+00W, 0+00N 3320'	Vertical		400'	To replace PR-33; test 1200 ppm geochem anomaly.
Total footage percussion drilled =				1980'	

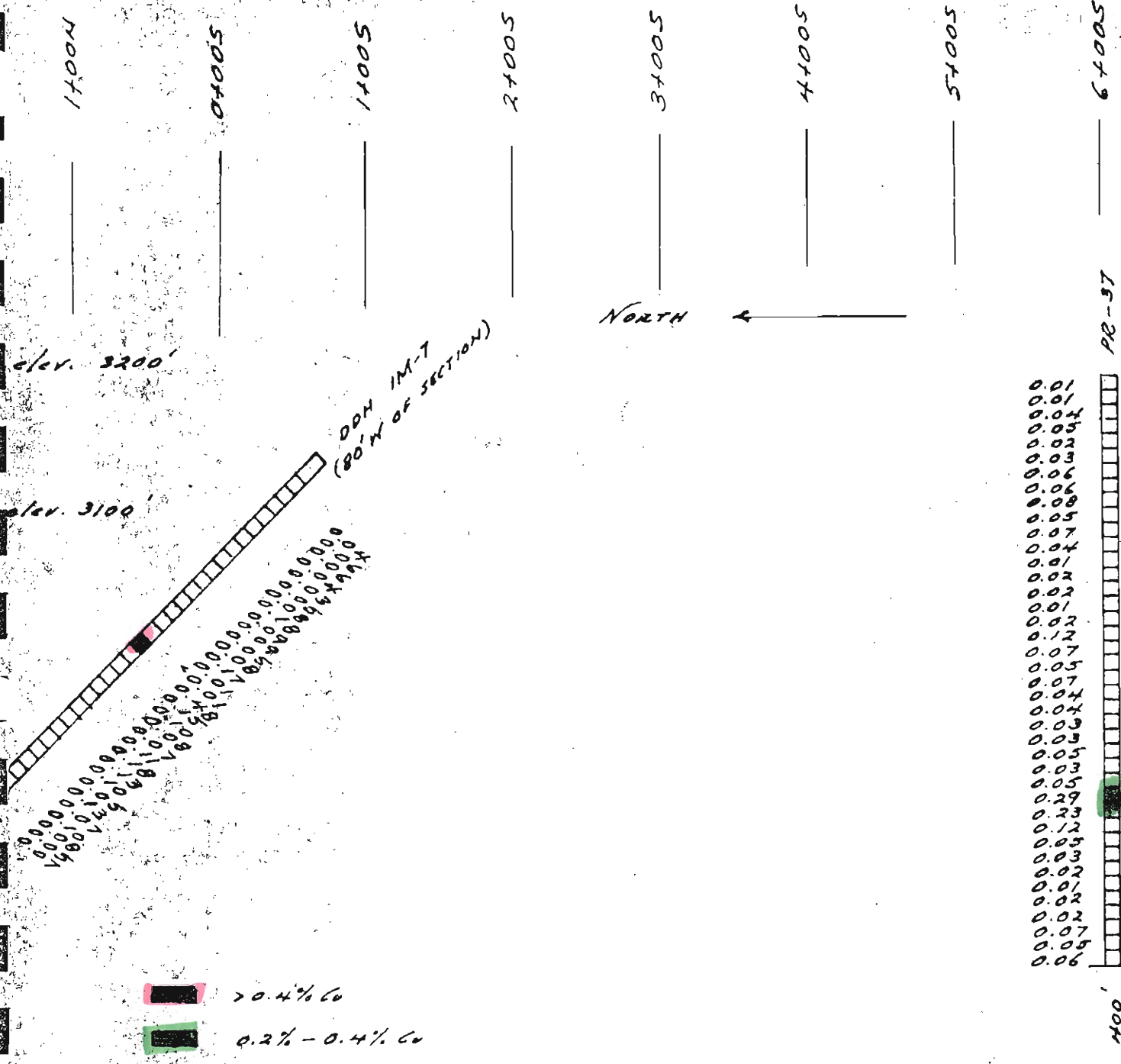
G.D. Delane,
 Bacon & Crownhurst Ltd.

October 6, 1970.

TABULATION OF COMPLETED PERCUSSION DRILLING
 BY TONTO EXPLORATIONS LTD.
 ON CLAIMS OF THE IRON MASK PROJECT
 FOR GREAT PLAINS DEVELOPMENT COMPANY OF CANADA LTD.
 DURING OCTOBER 1970

<u>Drill Hole No. & Drilling Dates</u>	<u>Coordinates & Elevations</u>	<u>Dip</u>	<u>Length</u>	<u>Purpose & Remarks</u>
PR-41 (Oct. 11, 12)	12+00W, 27+94N (elev. 3060')	Vertical	380'	Test 403 ppm geochem anomaly.
PR-42 (Oct. 13)	16+00W, 15+00N (elev. 3080')	"	400'	Test 465 ppm geochem anomaly.
PR-43 (Oct. 9)	19+92W, 42+50N (elev. 3020')	"	90'	Test 4700 ppm geochem anomaly; hole abandoned - rods stuck.
PR-44 (Oct. 14, 15)	24+00W, 24+00N (elev. 3080')	"	400'	Test 900 ppm geochem anomaly.
PR-45 (Oct. 15)	24+00W, 19+90N (elev. 3130')	"	230'	Test 403 ppm geochem anomaly; tight rods - hole terminated.
PR-46 (Oct. 17)	24+08W, 8+90N (elev. 3320')	"	400'	Test 440 ppm geochem anomaly.
PR-47 (Oct. 16)	36+00W, 10+00N (3275')	"	300'	Test 370 ppm geochem anomaly.
PR-48 (Oct. 10, 11)	19+93W, 42+51N (elev. 3020')	"	370'	Drilled to replace PR-43
Total footage percussion drilled			2570'	

G.D. Delane,
 Bacon & Crowhurst Ltd.
 October 20, 1970.



GREAT PLAINS - IRON MASK PROJECT
 DRILL HOLE SECTION 0400W (LOOKING EAST)

SCALE: 1" = 100' JANUARY 1971

G. D. DELANE - BACON & CROWNEST LTD.

14005

27005

37005

47005

57005

67005

77005

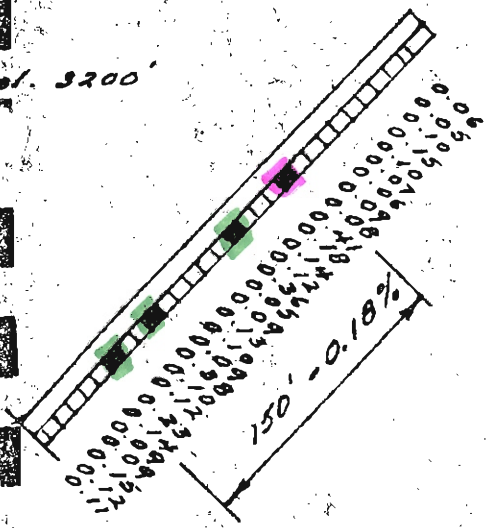
87005



NORTH

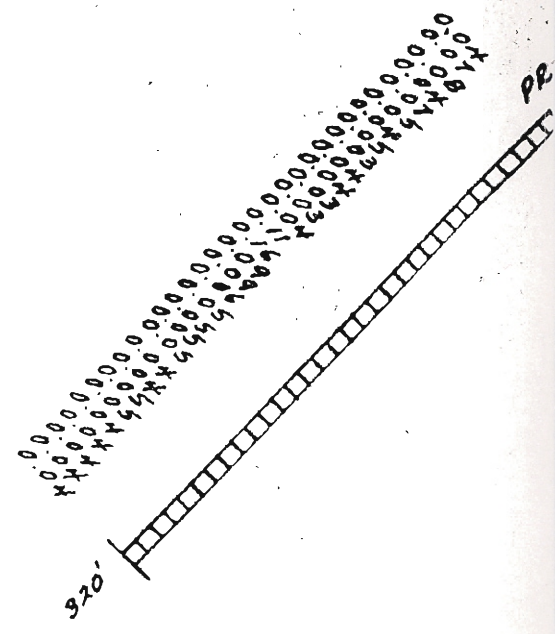
lev. 3200'

el. 3200'

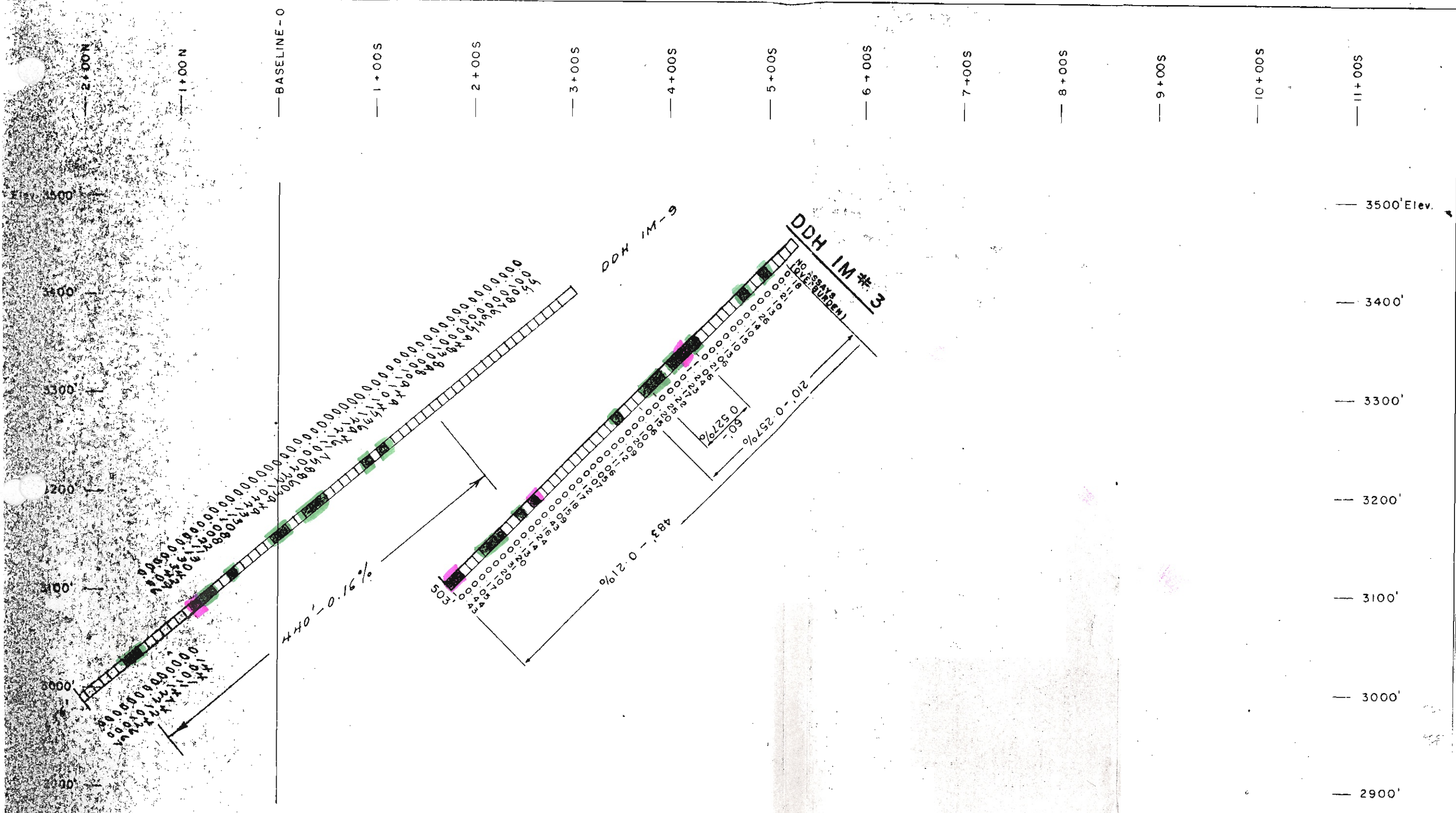
DDH 1M-6



 > 0.4% Cu
 0.2 - 0.4% Cu



GREAT PLAINS IRON MASK PROJECT
 DRILL HOLE SECTION 8700W (LOOKING EAST)
 SCALE: 1" = 100' JANUARY 1971
 G. D. DELANE - BACON & CROWNURST LTD.



LEGEND

- PR - PERCUSSION DRILL HOLE
- DDH - DIAMOND DRILL HOLE
- - BRECCIA
- - ANDESITE
- - MICROMONZ., MICRODIORITE
- > 0.4% Cu
- 0.2 - 0.4% Cu. (ASSAYS SHOWN IN % Cu.)

GREAT PLAINS - IRON MASK PROJECT

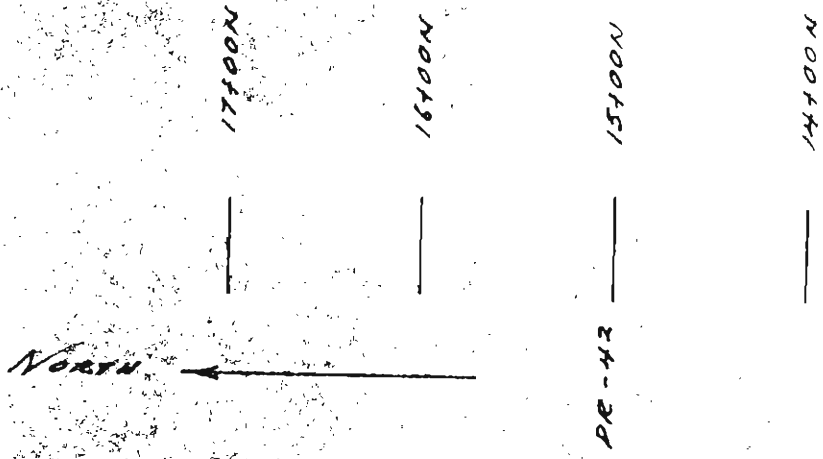
DRILL HOLE SECTION NO. 12+00W

SCALE 1 INCH = 100 FEET

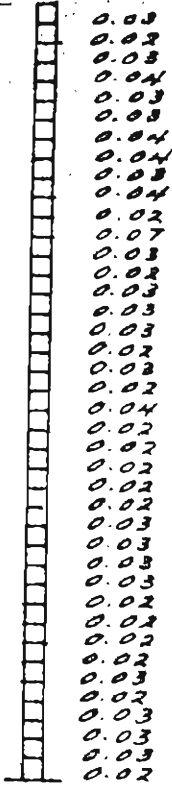
GERRY D. DELANE - BACON & CROWHURST LTD

JULY, 1970

(SECTION LOOKING EAST)



elev. 3080' -



400'

GREAT PLAINS - IRON MASIC PROJECT
 DRILL HOLE SECTION 16400N (LOOKING EAST)
 SCALE: 1" = 100' JANUARY 1971
 G.D. DELANE - BACON & CRANNURST LTD.

NORTH

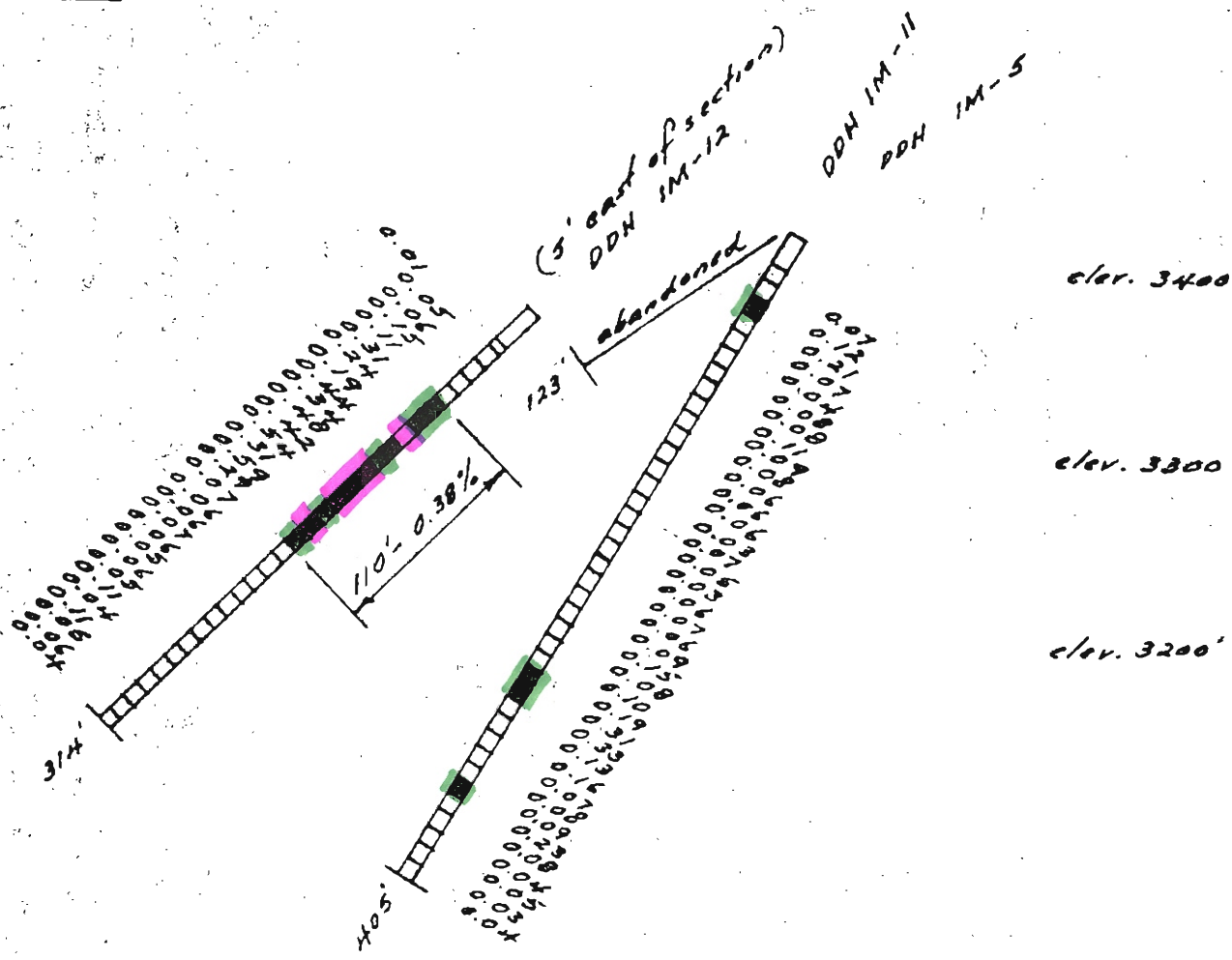
34005

44005

54005

64005

74005



> 0.4% Cu
 0.2 - 0.4% Cu

GREAT PLAINS - IRON MASK PROJECT
 DRILL HOLE SECTION 15190W LOOKING EAST
 SCALE: 1"=100'
 JANUARY 1971
 G.D. DELANE - BACON & CROWHURST LTD.

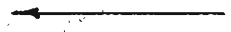
12700N

11700N

10700N

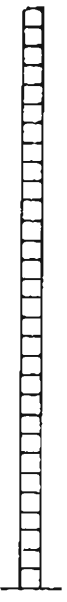
9700N

NORTH



elev. 3275'

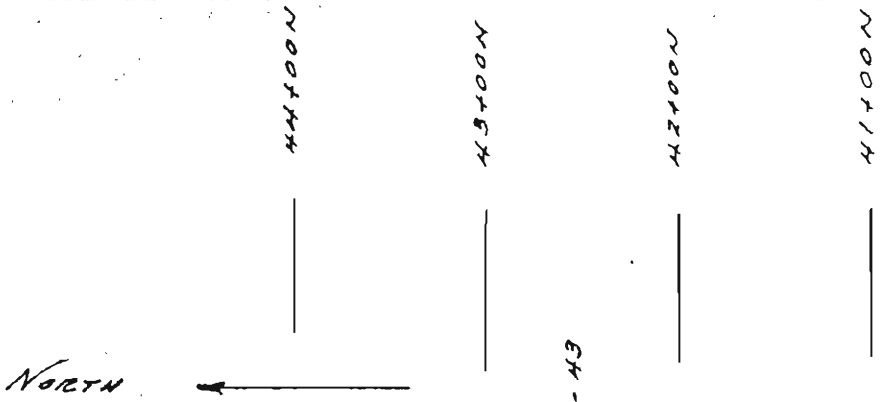
PE-47



300'

- < 0.01
- < 0.01
- < 0.01
- < 0.01
- 0.02
- 0.03
- 0.03
- 0.03
- 0.03
- 0.07
- 0.11
- 0.05
- 0.04
- 0.06
- 0.05
- 0.05
- 0.17
- 0.16
- 0.08
- 0.06
- 0.06
- 0.04
- 0.03
- 0.04
- 0.03
- 0.03
- 0.03
- 0.03
- 0.04
- 0.03

GREAT PLAINS - IRON MASK PROJECT
 DRILL HOLE SECTION 36400W (LOOKING EAST)
 SCALE: 1" = 100' JANUARY 1971
 G.D. DELANE - BACON & CROWHURST LTD.



elev. 3020'



- > 0.4% Cu
- 0.2% - 0.4% Cu

GREAT PLAINS - IRON MASK PROJECT
 DRILL HOLE SECTION 19492N (LOOKING EAST)
 SCALE: 1" = 100' JANUARY 1971
 G.D. DELANE - BACON & CRONNURST LTD.

44100N

43100N

42100N

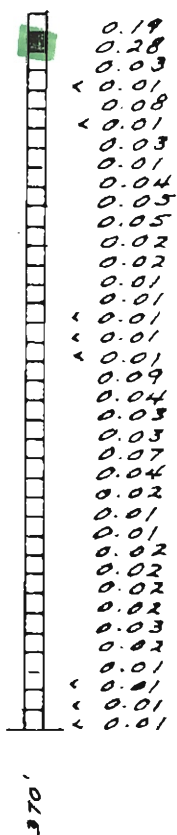
41100N

NORTH



PR-48

cler. 3020'



0.4% Cu



0.2% - 0.4% Cu

GREAT PLAINS - IRON MASK PROJECT
 DRILL HOLE SECTION 19493W (LOOKING EAST)
 SCALE: 1" = 100' JANUARY 1971
 G. D. DELANE - BACON & CROWHURST LTD.

25400N

24400N

23400N

22400N

21400N

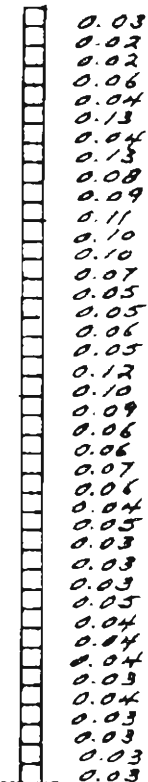
20400N

19400N

NORTH

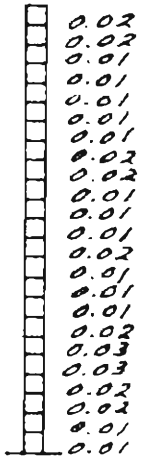


PR-44



400'

PR-45



230'

elev. 3100'

3000'

2900'

GREAT PLAINS - IRON MASK PROJECT

DRILL HOLE SECTION 24400W (LOOKING EAST)

SCALE: 1" = 100'

JANUARY 1971

G.D. DELANE - BACON & CROMHURST LTD.

NORTH ←

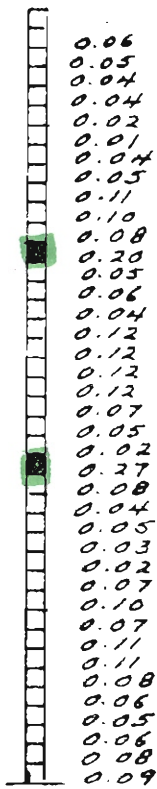
10100N

9100N

8100N

elev. 2320'

PR-46



400'



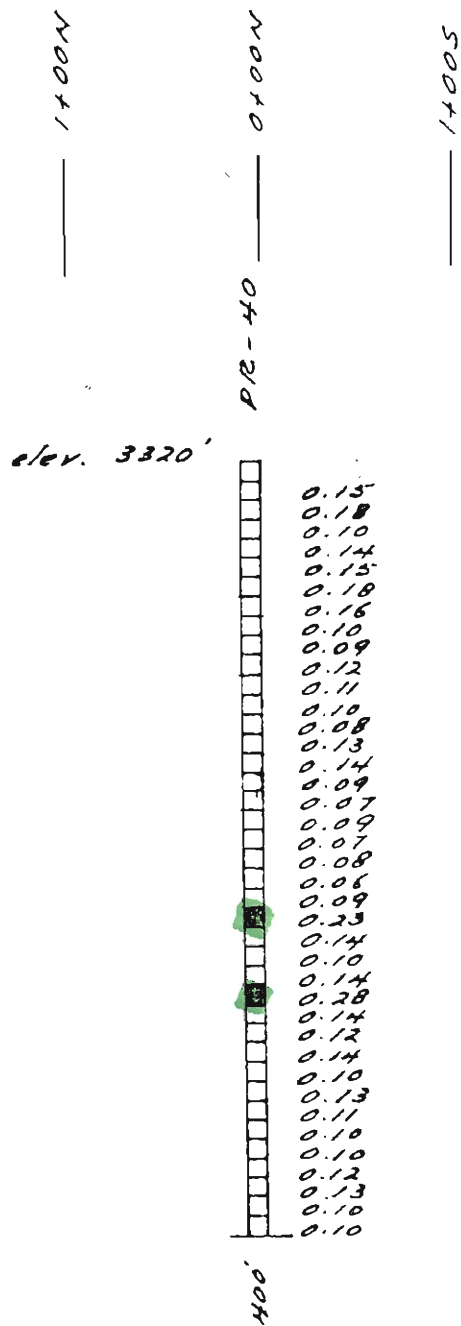
> 0.4% Cu





0.2% - 0.4% Cu

GREAT PLAINS - IRON MASK PROJECT
 DRILL HOLE SECTION 24100N (LOOKING EAST)
 SCALE: 1" = 100' JANUARY 1971
 G. D. DELANE - BACON & CROMHURST LTD.

NORTH ←



 > 0.4% Cu
 0.2 - 0.4% Cu

GREAT PLAINS - Iron Masik Project
DRILL HOLE SECTION 31400W (LOOKING EAST)

SCALE : 1" = 100'

JANUARY 1971

G. D. DELANE - BACON & CROWHURST LTD

DRILL HOLE RECORD

LEVEL	BEARING	DIP	TYPE OF SURVEY	CORE SIZE	HOLE No.
LOCATION <i>Iron Mask</i>				<i>BQ</i>	<i>1M-1</i>
ELEVATION <i>2840'</i>	COLLAR			LENGTH	SHEET No.
LATITUDE <i>19+06N</i> N	<i>vertical</i>			<i>370'</i>	<i>1 of 2</i>
DEPARTURE <i>40+00E</i> E			<i>@ 370' - vertical acid test</i>	COMPLETED	LOGGED BY:
				<i>June 8/70</i>	<i>D. McNaught</i>
			<i>Commenced June 2/70</i>	PURPOSE	
				TOTAL RECOVERY	<i>June 9/70</i>
				<i>20.8%</i>	

FOOTAGE		DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS										RECOVERY	
FROM	TO					SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	RUN	MEASUR'D
0	281	Casing - Overburden															
281	370	Mixed Sediments (Kamloops Group) (clays, silts, argillites, coal)															
		281'-299' - argillaceous seds, interbedded with narrow coal seams. color varies from light gray to dark gray to black, fine grained 4-30, locally friable, badly broken @ 282.8', coal seam @ 285-285.8', soft, plastic, carbonaceous mud.		At 282.8, a 1/4" coal seam @ 50' and a 2.5' seam of coal @ 285'													
		289-297.8 - interbedded gray & black gray & carbonaceous. Coal @ 298-299. A 60' contact @ 299' between clay & darker ex.		no le mineralization. At 312-313.6 & 315.5-317.1 inclusions present which resemble pbease.													
		299-300.6 a dark shaley carbon-rich mud. At 300.1, a 'contact' with gray sandy gray-wacke @ 60' @ 303, a 1" coal seam @ 50' @ 309.5-312 gray, plastic, f.g. mud.		At 318.6-318.9, a 3" coal vein, black plastic & 70' to core axis. At 326' a coal seam with pyrite.													
		317.1-329 'marbled' interbedded coal & shale in thin beds @ 70' 326' - coal seam 327-328 coarse, sandy graywacke		329-321.1 coal seam													

ppd arranged

77.2'

DRILL HOLE RECORD

LEVEL	BEARING	DIP	TYPE OF SURVEY	CORE SIZE	HOLE No. 1M-2
LOCATION	COLLAR			LENGTH	SHEET No. 2 of 4
ELEVATION				COMPLETED	LOGGED BY: G.D.D. & D.M.C.
LATITUDE N				PURPOSE	
DEPARTURE E				TOTAL RECOVERY	

FOOTAGE		DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS										RECOVERY			
FROM	TO					SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	RUN	MEASUR'D	% REC.	
		half & displaced 1/4" by 15' slip		but it present as			370	380	10		.06	.06					245	10.2	
		Thin interval of pyroxene		blebs with pyrite			380	390			.08	.08					252	6.6	
		andent contains numerous		@ 111, 113' with a			390	400			.09	.09					262	10.6	
		sub-rounded chlorite mafic		thin pyrite stringer			400	410			.05	.05					272	9.7	
		minerals & also lge xls of		@ 40' At 77' & 2"			410	420			.06	.06					282	10.7	
		pyroxene. Interval weakly magnetic		gtz vein @ 45' contains			420	430			.03	.03					286.5	4.4	
				-ing fg py & an			430	440			.03	.03					296.5	10.5	
				oxidized greyish			440	450			.06	.06					304	7.4	
				mineral			450	460	10		.05	.05					314	9.9	
		113-136 Andesite -					460	468	8.0		.03	.03					319.5	5.5	
		dk greenish grey pyroxene		3/4" gtz vein @ 20' @ 99.5'													330	10.9	
		andent, moderately magnetic		1/2" gtz vein @ 40' @ 106.5'													333	2.7	
		H=2.5, fg with a general		-numerous calcite-filled													344	10.6	
		salt & peppery texture (contains		fract. Specks py in													352	8.2	
		numerous lge (up to 1 1/2") mafic		75' fract. @ 113.7, &													361	10	
		minerals (mainly pyroxene) plus		@ 114.5' @ 40' A 30'													362	1.2	
		small sub-rounded dk mafic		slip & calcite @ 131'													372.5	10.6	
		-local quartz alteration @ 123.5'		& 60' fract @ 132.5'													376	3.5	
		At 129.5, occasional blob of maroon		Speck chalc @ 114'													386	10.2	
		hematite eq which are rimmed		& thin veined py @ 60'													396	10.2	
		with a translucent whitish		@ 114.5' chalc & py													406.5	10.6	
		calcareous mineral. A 1" pyrox		@ 35' @ 118' & py													416.5	10.7	
		rd @ 117' & much hematite @ 119'		veined @ 10' @ 129.5'													427.5	10.6	
																	436	10.3	
																	447.5	10.3	
		136-251 Andesite - similar		thin py stringers @													458	10.1	
		to preceding interval. Barren		40'-50' @ 142.5'													468	9.9	
		gtz veins @ 50' @ 137', 50' @ 136,		144.3'. Pyr. veined															
		60' @ 147'. Abundant maroon		@ 50' & gtz & chlorite															
		hematite @ 123, 116, 174, 176'		@ 128'. Bleb chalc.															
		Vein in 40' gtz vein @ 176'. A 3"		& patch coarse pg															
		gtz vein @ 40' @ 180'. At 201.5'		& gtz & K feld in															
		a 1/2" gtz vein @ 60' with lge		a 30' gtz stringer															
		bleb chalc. Epidote usually		@ 144.6'. Coarse py															
		occ with some of the pyrite		in 40' gtz vein @ 224'															
		-filled fractures eg. @ 201'																	
						Grouped average:													
						20 468 = 448' of 0.043% Cu													
																end			
																of 40.6			

DRILL HOLE RECORD

LEVEL	BEARING	DIP	TYPE OF SURVEY	CORE SIZE <i>88</i>	HOLE No. <i>1M-3</i>
LOCATION <i>Iron Mask</i>	COLLAR <i>due N 45° Brunten</i>			LENGTH <i>503'</i>	SHEET No. <i>1 of 4</i>
ELEVATION <i>3370'</i>				COMPLETED <i>June 17/70</i>	LOGGED BY: <i>G. D. Delane</i>
LATITUDE <i>5+255</i> N				<i>Started</i>	
DEPARTURE <i>12+00W</i> E				PURPOSE <i>June 12/70</i>	
				TOTAL RECOVERY <i>95%</i>	

FOOTAGE		DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS										RECOVERY	
FROM	TO					SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	RUN	MEASURED
0	20	<i>Casing</i>													0		
0	42.7	<i>Microzonarite</i>			372.64	20	30	10		.18					20	0.2	
						65	30	40		.11					23	3.4	
						66	40	50		.21					27	2.9	
42.7	85	<i>Mixed Microzonarite & Trachy-Andersite</i>				67	50	60		.10					34.5	7.5	
		<i>light grey - dk grey, locally bleached, pink & cream colored fine-med. grained with salt & pepper texture - locally brecciated; H=5.5+, pervasive pink alteration from 20'-53'</i>		<i>Fracturing variable 20'-65' but mainly @ 60'; chlorite & calcite common as fract. fillings</i>		68	60	70		.13					36	1.1	
		<i>81'-83', core locally raggy @ 37', 40', core badly broken @ 20', 25', 34-42', 46, 52'-56' 65'-86'; slight suggestion of brecciation @ 72-80'</i>		<i>1/2" grt vein @ 50' @ 39', 1/8" grt vein @ 70' @ 25'</i>		69	70	80	10.3	.26					42	4.9	
				<i>Sulfides randomly scattered & assoc. epid. as blebs & veins.</i>		70	80	90		.14					46	4.1	
				<i>bleb chalc. @ 45' @ 25'</i>		71	90	100		.10					56	11.1	
				<i>epid. & grt @ 30'</i>		72	100	110		8.2	.15				66	10.8	
				<i>blebs chalc. @ 60' @ 42.5'</i>		73	110	120		9.5	.10				76	10.9	
				<i>blebs chalc. @ 44'</i>		74	120	130		.13					86	10.3	
				<i>blebs chalc. 71-72'</i>		75	130	140		.06					97	9.8	
				<i>blebs chalc. 80'</i>		76	140	150		10	.21				107.4	5.7	
				<i>bleb py. @ 44'</i>		77	150	160		10	1.06				117	10.	
						78	160	170		9.5	1.24				126	8.5	
						79	170	180		10.4	.23				136	10	
						80	180	190		10.1	.17				146	8.2	
						81	190	200		9.5	.22				156	10.3	
						82	200	210		10.5	.25				168	10.6	
						83	210	220		10.4	.20				178	10.3	
						84	220	230			.15				188	10.3	
						85	230	240			.06				199	10.4	
85	136	<i>Andersite</i>				86	240	250		.10					209	10.9	
		<i>grey to whitish-grey, generally bleached, fine-med. grained, H=4.5-5.5, locally brecciated, whitish bleaching prominent @ 86'-112', 128'-130', possible angular alteration @ 128'-131' brecciation @ 108.5' (1" oval dioritic fragment), angular bx frags 108.5-109.5, 116.5, 126.5, 125, 127, 132'; core badly ground from 96.0'-106.5', 118-</i>		<i>Variable fracturing from 20'-60'; possible fault zone @ 96'-106.5' with light grey fault breccia (?) @ 96'. Upper fault surface @ 50' with sericite, epid. chlorite, py + musc. Kspar. At 107, a 20' slip of chlorite & musc. pyrite.</i>		87	250	260		.20					220	10.8	
						88	260	270		.09					231	11.0	
						89	270	280		.12					241	10.	
						90	280	290		.11					251	9.9	
						91	290	300		.06					261.4	10.3	
						92	300	310		.05					265	4.8	
						93	310	320		.07					276.4	11.3	
						94	320	330		.12					285.4	9.5	
						95	330	340		.17					290.4	4.4	
						96	340	350		.18					298	7.4	
						372.97	350	360	10	.15					309	10.7	

DRILL HOLE RECORD

LEVEL	BEARING	DIP	TYPE OF SURVEY	CORE SIZE	HOLE No. <i>1M-3</i>
LOCATION	COLLAR			LENGTH	SHEET No. <i>2 of 4</i>
ELEVATION				COMPLETED	LOGGED BY: <i>G.D.D.</i>
LATITUDE N				PURPOSE	
DEPARTURE E				TOTAL RECOVERY	

FOOTAGE		DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS										RECOVERY		
FROM	TO					SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	RUN	MEASUR'D	% REC
<i>95</i>	<i>136</i>	<i>Andesite (cont'd)</i>		<i>At 108' a 1/4 grtz</i>	<i>37298</i>	<i>360</i>	<i>370</i>	<i>10</i>	<i>.09</i>	<i>.09</i>								
		<i>-126, 131, 134-136. At 118'</i>		<i>vein @ 30' At 117'</i>	<i>99</i>	<i>370</i>	<i>380</i>		<i>.43</i>	<i>.43</i>								
		<i>average Kipax with andesitic</i>		<i>ruggy calcite with</i>	<i>37300</i>	<i>380</i>	<i>390</i>		<i>.16</i>	<i>.16</i>								
		<i>breccia frags + 30' calcite</i>		<i>chalc + py in 60'</i>	<i>53815</i>	<i>390</i>	<i>400</i>		<i>.24</i>	<i>.24</i>								
		<i>vein!</i>		<i>vein. A 5' chlorite</i>	<i>16</i>	<i>400</i>	<i>410</i>		<i>.14</i>	<i>.14</i>								
				<i>slip with epidote, At</i>	<i>17</i>	<i>410</i>	<i>420</i>		<i>.13</i>	<i>.13</i>								
				<i>131, a py + epid vein</i>	<i>18</i>	<i>420</i>	<i>430</i>		<i>.20</i>	<i>.20</i>								
				<i>@ 60'. Blebs red</i>	<i>19</i>	<i>430</i>	<i>440</i>		<i>.31</i>	<i>.31</i>								
				<i>hematite @ 123'</i>	<i>20</i>	<i>440</i>	<i>450</i>		<i>.20</i>	<i>.20</i>								
	<i>184</i>				<i>21</i>	<i>450</i>	<i>460</i>		<i>.10</i>	<i>.10</i>								
<i>136</i>	<i>187</i>	<i>Andesite + Trachy-Andesite</i>		<i>considerable amt of</i>	<i>22</i>	<i>460</i>	<i>470</i>		<i>.17</i>	<i>.17</i>								
		<i>essentially similar to unit</i>		<i>dissim. + patches of</i>	<i>23</i>	<i>470</i>	<i>480</i>		<i>.05</i>	<i>.05</i>								
		<i>preceding. Dk grey - grey, fine</i>		<i>sulfides in 160'-170'</i>	<i>24</i>	<i>480</i>	<i>490</i>	<i>10</i>	<i>.44</i>	<i>.44</i>								
		<i>-med. gr., salt + pepper text</i>		<i>in which significant</i>	<i>53825</i>	<i>490</i>	<i>503</i>	<i>13</i>	<i>.43</i>	<i>.43</i>								
		<i>locally pinkish 4:4.5-2.5.</i>		<i>amt chalc visible.</i>														
		<i>very weakly magnetic.</i>		<i>Also some, but less</i>														
		<i>Core badly ground from 136-145</i>		<i>sulfides in 150'-160'</i>														
		<i>(possible fault zone), 1/4" grey</i>		<i>ep + py @ 146.5'</i>														
		<i>gouge @ 140', 5' slip @ 138' with</i>		<i>lge patch coarse py +</i>														
		<i>chlorite + gouge</i>		<i>epid @ 157.5'</i>														
				<i>blebs chalc + py 158.5'</i>														
				<i>py. veinlets + calcite @</i>														
				<i>30' @ 163'</i>														
				<i>py + chalc string @</i>														
				<i>162'-174</i>														
				<i>4" coarse py @ 169.5'</i>														
				<i>pervasive Kipax @ 145'</i>														
				<i>- 217'</i>														
					<i>Grouped averages:</i>													
					<i>150</i>	<i>210</i>	<i>= 60'</i>	<i>of</i>	<i>0.527%</i>	<i>Co</i>								
					<i>20</i>	<i>503</i>	<i>= 483'</i>	<i>of</i>	<i>0.21%</i>	<i>Co</i>								

DRILL HOLE RECORD

Started April 28

LEVEL <i>Kambopu</i>	BEARING	DIP	TYPE OF SURVEY	CORE SIZE <i>88</i>	HOLE No. <i>JM #4</i>
LOCATION <i>Iron Mask Project</i>	COLLAR			LENGTH <i>621.5'</i>	SHEET No. <i>1 of 5</i>
ELEVATION <i>3470'</i>	<i>vertical</i>			COMPLETED <i>May 19</i>	LOGGED BY: <i>G.D. DeLancey</i>
LATITUDE <i>4404 S</i> N				620'	PURPOSE
DEPARTURE <i>14+08 W</i> E				TOTAL RECOVERY <i>100%</i>	

FOOTAGE		DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS										RECOVERY		
FROM	TO					SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% Zn	% Pb	OTS. AU	OTS. AG	GROUPED AVERAGE % Mo	RUN	MEASUR'D
0	12'	<i>casing</i>																
		<i>badly broken & ground per 1/2 of dioritic composition.</i>		<i>Core is cut by fine green calcite-filled fractures eg. 30'-54', filled by numerous qtz stringers up to 1/4" which cut core below 30'-40' usually; however 1/4" stringer @ 55', cut core @ 20' locally med qtz veins carry no sulfides but @ 64', qtz vein contains blb of py. @ 19.5' also Some K-feldsp. occurs irregularly eg. @ 30', a 1/4" pink felsic vein also one @ 110' adjacent & parallel to a 3/8" wide qtz vein Core is locally suggy (calcite) eg. @ 50.5', 53', 54', 72.5' Fractures very minor if occurs lead to form ~ 30' but some @ ~ 50' Sulfides occur mainly as tiny inclusions fillings but also as blbs, & disseminated & also after accretion with qtz stringers eg. @ 69', @ 75' here & usually forming the main silicates some</i>														
						24201	0	12	12	2.0'	4	0.23	<.003	<.01	<0.001	12	2.0	
						02	12	20	8	8.0	02	.35				14	2.2	
						03	20	30	10	9.0	03	.27				15	1.4	
						04	30	40		10	02	.33				17	2.1	
						05	40	50		10	03	.26				20	1.6	
						06	50	60		10.5	04	.21				22	2.4	
						07	60	70		10.4	03	.26	<.003	<.01	<0.001	25	0.1	
						08	70	80		9.2	00	.52				26	2.1	
						09	80	90		10	08	.67				28	1.6	
						10	90	100		10.5		.60				31	1.2	
						11	100	110		10.5		.50				33	2.2	
						12	110	120		10.1		.54				35	1.6	
						13	120	130		10		.54				40	1.5	
						14	130	140		10		.73				45	2.4	
						15	140	150		10.5		.16				47	2.7	
						16	150	160		10.2		.14	<.003	<.01	0.003	48	1.7	
						17	160	170		9.5		.06			<.001	49	1.0	
						18	170	180		10		.04			<.001	50	1.4	
						19	180	190		9.2		.05			.002	51	1.6	
						20	190	200		8.0		.04			<.001	52	1.1	
						21	200	210		10		.12			<.001	53	1.1	
						22	210	220		9.9		.07			<.001	54	1.5	
						23	220	230		9.6		.04			<.001	55	2.1	
						24	230	240		10.2		.13			.002	56	2.1	
						25	240	250		10.3		.04			<.001	57	1.1	
						26	250	260		10.2		.05				58	1.1	
						27	260	270		9.7		.05				59	1.0	
						28	270	280				.05				60	2.0	
						29	280	290				.05				61	2.0	
						30	290	300				.04	<.003	<.01	<0.001	62	2.7	
						31	300	310				.05				63	1.4	
						32	310	320				.06				64	2.5	
						24233	320	330	10			.05				65	1.0	

DRILL HOLE RECORD

LEVEL	LOCATION <i>Iron Mask</i>	BEARING	DIP	TYPE OF SURVEY	CORE SIZE	HOLE No. <i>1M-7</i>
ELEVATION <i>3140'</i>		COLLAR <i>due N</i>	<i>-45'</i>	<i>Brunton</i>	LENGTH <i>324.5'</i>	SHEET No. <i>1 of 2</i>
LATITUDE <i>04655</i> N		<i>e 311'</i>	<i>-41'</i>	<i>acid test</i>	COMPLETED <i>Sept. 19/70</i>	LOGGED BY: <i>G.D. Delane</i>
DEPARTURE <i>0180N</i> E					PURPOSE <i>Sept. 16/70</i>	<i>Sept. 20/70</i>
					TOTAL RECOVERY <i>89.5%</i>	

FOOTAGE FROM TO	DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS										RECOVERY			
					SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	RUN	MEASURED	% REC.	
0 18	<i>casing - no recovery</i>																	
18 150	<i>Microdiorite med. dk. grey, fine grained, salt & peppery texture, H=5.5, compact & dense, locally pink (K-felds. alteration) - abundant interstitial glz. Core is cut by numerous hairline fractures, usually calcite-filled at L: varying from 40-50'. Core is weak to moderately magnetic. Core badly broken & limonite-stained from 0-27' & is pinker from 102' on. Bands & veins of salmon-coloured K-feld @ 149' @ 50' accompanied by coarse pyrite & some epidote & calcite coating</i>		<i>Dyke is pervasive & present as very fine sp. py, trcp. specks & thin stringers. A 1" raggy calcite vein @ 34' @ 20'. Pyrite stringers often accompanied by epidote alteration. At 127', a 30' slip with chloritic green-grey gouge.</i>	<i>sp. py, trcp</i>														
					54681	20	30	10		7.0	0.04						18	0.5
					54682	30	40			10.0	0.06						20	0.5
					83	40	50			10	0.06						22.5	0.2
					84	50	60			10	0.04						25.0	2.2
					85	60	70			10	0.03						30	4.5
					86	70	80			10	0.05						40	10.
					87	80	90			10	0.08						46	6.0
					88	90	100			10.1	0.18						50	4.0
					89	100	110			9.8	0.09						58	8.0
					90	110	120			10	0.09						66	9.7
					91	120	130			10	0.05						75	7.5
					92	130	140			9.6	0.08						79	4.0
					93	140	150			9.0	0.17						87	7.7
					94	150	160			9.6	0.01						96	9.6
					54695	160	170			10	0.01						106	9.5
					96	170	180			10	0.48						115	8.6
					97	180	190			9.8	0.15						119	4.3
					98	190	200			9.8	0.10						129	9.8
					54099	200	210			9.6	0.08						138	9.0
					54700	210	220			10.2	0.07						148	10.
150 172	<i>Feldspar Perphyry Dyke med. grey, massive, compact hard, H=5.5, consisting of numerous sub-rounded, grey-ish white (feldspar?) phenocr up to 1/8" in a f.g. med-dk grey matrix. Lower contact at perph. is fairly prominent @ 45'</i>		<i>Presence of visible sulphides. Probable fault @ 150' & grey graphitic - chloritic gouge. Perph. is fractured frequently @ 45' with calcite fillings. Thin hairline calcite stringers @ 5'-10' near 165.5' & are rimmed by a limonite coating</i>	<i>0.5 py spcp</i>														
					54751	220	230			10	0.11						152	3.7
					52	230	240			7.8	0.18						159	6.6
					53	240	250			8.5	0.13						169	10.
					54	250	260			10	0.10						179	10.2
					55	260	270			10	0.05						189	10.
					57	270	280			10	0.13						199	10
					58	280	290			8.2	0.07						209	8.5
					59	290	300			9.8	0.10						219	10.4
					60	300	310			10.5	0.08						225	6.3
					61	310	320			10	0.05						228.5	3.1
						320	330	10									235	5.2
					54762	320	324.5			5.0	0.07						240	3.5
																	245	3.2

DRILL HOLE RECORD

LEVEL	BEARING	DIP	TYPE OF SURVEY	CORE SIZE	HOLE No.
LOCATION <i>Iron Mask</i>	<i>due N</i>	<i>-45'</i>	<i>Brunton</i>	<i>BB</i>	<i>1M-9</i>
ELEVATION: <i>3310'</i>	COLLAR			LENGTH <i>656'</i>	SHEET No. <i>1 of 4</i>
LATITUDE <i>34005</i> N	<i>@ 400'</i>	<i>-41°</i>	<i>acid test</i>	COMPLETED <i>Aug. 23/70</i>	LOGGED BY: <i>G.D. Delane</i>
DEPARTURE <i>12400W</i> E	<i>@ 650'</i>	<i>-42°</i>	<i>acid test</i>	Started <i>Aug. 16/70</i>	<i>Bacon & Crowhurst Ltd</i>
				PURPOSE	
				TOTAL RECOVERY <i>95.2%</i>	

FOOTAGE FROM TO	DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS										RECOVERY		
					SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	RUN	MEASURED	
0-227.5	Andesite (Hacablade Andesite)				53851	20	30	10								0	
	dk greenish-grey, med. gr, H.S.S., fairly dense & compact - contains abundant small hornblende xls, some up to 1/2" Core often contains rounded or oval phenocrysts of a milky-green, porcelaneous-looking mineral (clay mineral?) eg @ 38', same pink K'spar alteration @ 49' with epidote & few specks of pyrite, and an intense K'spar vein @ 20" @ 71'-72" which is cut by calcite vein @ 30"; A 1/4" calcite vein @ 40' @ 188.6' - local pinkish veins @ 194' Core broken & fractured from 125.5' - 127' & from 153' - 138' (with abundant calcite), & from 140' - 140' Calcite, maroon hematite & specks pyrite @ 207'. Also some scattered randomly-oriented thin hairline fractures filled with py At 222', a 3/4" qtz vein with py & some chala @ 60'. At 222.6', a 1/8" calcite-filled fract. @ 40' affects a 1/4" qtz vein by 1/2"		Core cut by several hairline fractures, hornblende-filled @ random ls. Dark maroon hematite (or zedite) occasionally present as patches e.g. @ 41, 63'. A 20' slip @ 123' - @ 40' with grey gouge @ 177'. Hairline pyrite veins, some from 95'-112', no visible chala At 197.2' a 25'-30' possible fault plane with vuggy calcite developed and dk maroon hematite developed along plane Fault zone (?) from 197.2' - 200' with some gouge fault breccia along 30' fault surface. Slickensided 80' oblique fault plane adjacent to gouge @ 224'. A strong fault structure from 224'-231' with grey-green fault gouge from 224'-225'														
					52	30	40									27	2.0
					53	40	50									36	7.5
					54	50	60									44	7.8
					55	60	70									54	10.
					56	70	80									64	10.2
					57	80	90	10								74	10.2
					58	90	110	20								82	7.9
																88	6.0
																94	6.0
																*	
																104	0.4
					59	110	120	10								113	9.2
					61	120	130									119.5	6.5
					62	130	140									125	4.6
					63	140	150									132	7.0
					64	150	160									142	10.4
					65	160	170									143	1.4
					66	170	180									143	9.8
					67	180	190									153	10.
					68	190	200		10.							163	6.3
					69	200	210		11.0							177	7.4
					70	210	220		10							187	10.5
					71	220	230		10							197	9.9
					72	230	240		10.5							207	10.1
					73	240	250		10.5							217	10.
					74	250	260		10.							227	10.9
					75	260	270		10.							234	8.6
					76	270	280		10.4							244	10.8
					77	280	290		9.9							254	9.3
					78	290	300		9.0							264	9.9
					79	300	310		10.2							274	9.2
					80	310	320		10.							284	10.
					81	320	330									294	10.5
					53882	330	340	10								304	10.2

DRILL HOLE RECORD

LEVEL	BEARING	DIP	TYPE OF SURVEY	CORE SIZE	HOLE No. <i>1M-9</i>
LOCATION	COLLAR			LENGTH	SHEET No. <i>2 of 4</i>
ELEVATION				COMPLETED	LOGGED BY: <i>G. D. Delane</i>
LATITUDE <i>N</i>				PURPOSE	
DEPARTURE <i>E</i>				TOTAL RECOVERY	

FOOTAGE		DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS										RECOVERY		
FROM	TO					SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	RUN	MEASURED	% REC
<i>227.5</i>	<i>546</i>	<i>Altered Micaceous</i>				<i>53883</i>	<i>340</i>	<i>350</i>	<i>10</i>									
		<i>- fine grained, salmon-pink color, salt & peppery appearance - calcite-filled fractures. Grey green gouge @ 231' - core badly broken @ 233' from 233-274' - weakly magnetic</i>		<i>contains some barite, pyrite fract. & blebs of chalcite with epidote. At 235', a patch of py & py. stringers & a quartz vein (1/4") @ 60'</i>		<i>84</i>	<i>350</i>	<i>360</i>									<i>314</i>	<i>10.5</i>
		<i>259.5'-262' - a sub-interval of dk grey porphyry with small whitish qtz pieces in dk grey f.g. and orthic matrix - top upper contact @ 65', lower contact fuzzy & indefinite @ 35'</i>		<i>andesite porphyry contains abundant minute specks of f.g. chalcite</i>		<i>85</i>	<i>360</i>	<i>370</i>									<i>324</i>	<i>10.5</i>
		<i>Dark Kspac veins randomly scattered throughout interval. Abundant Kspac alteration from 283'-298'. Core near 316' is salt & peppery textured, but locally brecciated from 316-318.</i>		<i>A 1/4" qtz vein @ 25'. @ 266'; @ 274.2, 1/2" dk grey fault gouge @ 60' with development of maroon hematite & sugary calcite. Rock beyond this is fairly competent. Some scattered patches blebs stringer of pyrite with minor chalcite & epidote thro' interval</i>		<i>86</i>	<i>370</i>	<i>380</i>									<i>334</i>	<i>10.4</i>
		<i>At 395'-395.7 slip & gouge</i>		<i>At 285.5 is a 1/4" qtz vein @ 30' with bleb chalcite & f.g. specks py. A 3/4" slip @ 288.5 with calcite & qtz gouge. Fault zone @ 339'-342.3, 376.3'-378.9, 381.6-382.4'</i>		<i>87</i>	<i>380</i>	<i>390</i>									<i>345</i>	<i>10.4</i>
		<i>394.4'-398.4' - Kspac prominent</i>		<i>Chalcite @ 369.4', 375', 376', 378, 355', 396, 399.3, 401.3'</i>		<i>88</i>	<i>390</i>	<i>400</i>									<i>355</i>	<i>10</i>
		<i>At 407.4' a oblique fracture (shear) @ 15'. Calcite vein @ 55'</i>				<i>89</i>	<i>400</i>	<i>410</i>									<i>365</i>	<i>10.6</i>
		<i>@ 410.9', @ 411.4, @ 30' @ 412'</i>				<i>90</i>	<i>410</i>	<i>420</i>									<i>375</i>	<i>10.5</i>
		<i>@ 60' @ 414'. Hematite bleb @ 423.7', & lgc h.b. phase @ 423.7'</i>				<i>91</i>	<i>420</i>	<i>430</i>									<i>385</i>	<i>10.</i>
		<i>Rx tends to get more andesitic @ 435' & speckled with white phase. Faults @ 419.8'-420.40'</i>				<i>92</i>	<i>430</i>	<i>440</i>									<i>395</i>	<i>10.</i>
		<i>gouge @ 423.7', 432.8', & 1/4" qtz vein @ 90' @ 438.3'</i>				<i>93</i>	<i>440</i>	<i>450</i>									<i>405</i>	<i>9.8</i>
		<i>435-437.8 - more andesitic</i>				<i>94</i>	<i>450</i>	<i>460</i>									<i>415</i>	<i>10</i>
		<i>437.8-452.7 - microdiorite</i>				<i>95</i>	<i>460</i>	<i>470</i>	<i>12</i>	<i>.11</i>							<i>425</i>	<i>10.1</i>
						<i>96</i>	<i>470</i>	<i>480</i>	<i>10.4</i>	<i>.13</i>							<i>435</i>	<i>10.2</i>
						<i>97</i>	<i>480</i>	<i>490</i>	<i>11.2</i>	<i>.30</i>							<i>445</i>	<i>9.8</i>
						<i>98</i>	<i>490</i>	<i>500</i>	<i>8.8</i>	<i>.34</i>							<i>455</i>	<i>10.4</i>
						<i>99</i>	<i>500</i>	<i>510</i>	<i>12</i>	<i>.42</i>							<i>466</i>	<i>10.4</i>
						<i>53900</i>	<i>510</i>	<i>520</i>	<i>11.6</i>	<i>.09</i>							<i>472.5</i>	<i>7.7</i>
						<i>01</i>	<i>520</i>	<i>530</i>	<i>11.2</i>	<i>.06</i>							<i>482</i>	<i>9.1</i>
						<i>02</i>	<i>530</i>	<i>540</i>	<i>11.5</i>	<i>.14</i>							<i>489</i>	<i>6.2</i>
						<i>03</i>	<i>540</i>	<i>550</i>		<i>.04</i>							<i>499</i>	<i>10.5</i>
						<i>04</i>	<i>550</i>	<i>560</i>	<i>10.4</i>	<i>4.01</i>							<i>507</i>	<i>7.8</i>
						<i>05</i>	<i>560</i>	<i>570</i>	<i>10.7</i>	<i>.11</i>							<i>516</i>	<i>9.4</i>
						<i>06</i>	<i>570</i>	<i>580</i>	<i>12</i>	<i>.14</i>							<i>526</i>	<i>10</i>
						<i>07</i>	<i>580</i>	<i>590</i>	<i>11.2</i>	<i>.27</i>							<i>536</i>	<i>10.3</i>
						<i>08</i>	<i>590</i>	<i>600</i>	<i>10.4</i>	<i>.24</i>							<i>546</i>	<i>9.9</i>
						<i>09</i>	<i>600</i>	<i>610</i>	<i>8.4</i>	<i>.12</i>							<i>556</i>	<i>9.5</i>
						<i>11</i>	<i>620</i>	<i>630</i>	<i>11.6</i>	<i>.12</i>							<i>562.5</i>	<i>5.9</i>
						<i>12</i>	<i>630</i>	<i>640</i>		<i>.06</i>							<i>572</i>	<i>10.</i>
						<i>13</i>	<i>640</i>	<i>650</i>	<i>10.</i>	<i>.06</i>							<i>582</i>	<i>9.8</i>
						<i>53914</i>	<i>650</i>	<i>656</i>	<i>6.0</i>	<i>.07</i>							<i>592</i>	<i>10</i>
						<i>53910</i>	<i>610</i>	<i>620</i>	<i>10</i>	<i>8.5</i>	<i>.04</i>						<i>597</i>	<i>4.5</i>
																	<i>605</i>	<i>7.1</i>
																	<i>615</i>	<i>10.1</i>
																	<i>625</i>	<i>11.1</i>

DRILL HOLE RECORD

LEVEL	BEARING	DIP	TYPE OF SURVEY	CORE SIZE	HOLE No. <i>1M-11</i>
LOCATION	COLLAR			LENGTH	SHEET No. <i>2 of 3</i>
ELEVATION				COMPLETED	LOGGED BY: <i>G. Delane</i>
LATITUDE	N			PURPOSE	
DEPARTURE	E			TOTAL RECOVERY	

FOOTAGE		DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS										RECOVERY				
FROM	TO					SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	RUN	MEASUR'D	% REC.		
67.5	191	continued (usually altered pink) @ 69.5', 75, 76-77, 92') Fracturing @ several angles but 45-45 most common & usually with calcite. Core badly broken from 120'-123' & chloritic gouge present in slip @ 121.5'; core chloritized @ 71'-72' & locally brecciated from 130'-191' with 50' fracturing common. Diarite breccia frags becoming more prominent from 166'-172'	Y	Cut by 3" of porphyry dyke (whitish phase in black f.g. matrix) @ 45' @ 104.5' Calcite veining @ 45' @ 68'. Several hauchne stringers of pyrite @ 40'-50' near 85-89', 93, 98' 101, 103' - thin intercal generally scarce of sulfides Core cut by 1/8" qtz veins @ 50' near 162' & 167' & by a 1/4" qtz vein @ 23' @ 165'																
						54735	360	370	10	10.3	0.04							297	9.5	
						36	370	380	10	9.5	0.05							307	8.0	
						37	380	390	10	10.1	0.03							315	6.5	
						38	390	400	10	9.9	0.04							325	10.4	
						54739	400	405	5	5.0	0.06							335	10	
																		345	9.2	
																		355	10.2	
																		365	10	
																		375	10	
																		385	10	
																		395	10.1	
																		405	10	
																		end		
						Grouped average:														
						20	405	385'		0.098%	66									
191	214	Horiblande Diorite med. grained, greyish rx with abundant sub-rounded zls horoblands in a fairly f.g. light grey hard matrix H:5.5+ - resembles andesite but coarser grained, dense with 43-50' fractures coated with coarse pyrite Contacts are gradational		Cut by very few pyrite & qtz stringers - few blabs chalc with pyrite in qtz vein @ 90' @ 208' a few narrow 1/4" qtz veins near 40' @ 206.5' & by thin calcite-filled fract's @ 205, 206.3																
214	254	Andesite & Brecciated Andesite dk grey fine-med gr. H:5.5 brecciated from 254'-256' bleached from 258'-270' - with ragged calcite, badly broken from 270'-280'		1" chloritic fault gouge @ 30' @ 259.5' - sheared from 258'-260' - sulfides rare																

DRILL HOLE RECORD

LEVEL	LOCATION <i>Grandview Ski</i>	BEARING	DIP	TYPE OF SURVEY	CORE SIZE <i>BQ</i>	HOLE No. <i>1M-12</i>
ELEVATION <i>3375'</i>	LATITUDE <i>5+255</i> N	COLLAR <i>North -45° Brunton</i>		LENGTH <i>314'</i>	COMPLETED <i>Sept. 14/70</i>	SHEET No. <i>1 of 4</i>
DEPARTURE <i>15+85W</i> E		<i>@ 304' -51° acid test</i>		PURPOSE <i>Started Sept. 9/70</i>	LOGGED BY: <i>G.D. Delane</i>	
				TOTAL RECOVERY <i>83.8%</i>		<i>Sept. 12/70</i>

FOOTAGE		DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS										RECOVERY		
FROM	TO					SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	RUN	MEASURED	% REC.
0	25	<i>casing - no recovery</i>																
26	27	<i>Andesite</i>																
		<i>dark bluish-grey, dense, fine to med. grained, H=5.0-5.5, contains numerous tiny sub-rounded hornblende xls. Core badly broken from 25'-37' with laminae on fractures. A 2" diorite sub-rounded frag. of horn @ 47'. -some calcite on fracture planes @ 49.5' - fracturing @ several ft. Contacts, if any, are obscure. Weakly magnetic.</i>		<i>Andesite contains same sulphides, mainly bleb. cp. pyrite as thin stringers often with epidote (@ 47'). Andesite locally brecciated @ 44', 49.5', 55.5'. A thin 1/32" veinlet of py @ 30'.</i>	<i>tr. cp. 54651</i>	0	26	<i>casing</i>										
					<i>tr. sp. py</i>	2	30	40								0		
					<i>bleb. cp</i>	3	40	50								26	0.4	
					<i>0.5% py. bl. cp</i>	4	50	60								28	1.0	
					<i>bl. py, bl. cp</i>	5	60	70								33	0.3	
					<i>.2 py, .2 cp</i>	6	70	80								35	0.2	
					<i>st. py, bl. cp</i>	7	80	90								37	2.0	
					<i>tr. py, tr. cp</i>	8	90	100								42	5.0	
					<i>bl. py, bl. cp</i>	9	100	110								48	6.4	
					<i>.3 py, .3 cp</i>	54660	110	120								49	1.1	
					<i>.3 py .2 cp</i>	1	120	130								55	6.2	
					<i>.2 py .4 cp</i>	2	130	140								65	10.2	
					<i>.4 py .4 cp</i>	3	140	150								75	10.1	
					<i>.3 py .2 cp</i>	4	150	160								85	10.1	
					<i>.4 py .5 cp</i>	5	160	170								95	10.2	
					<i>.3 py, .3 cp</i>	6	170	180								103	6.5	
					<i>sp. py, bl. cp</i>	7	180	190								108	5.0	
					<i>sp. py, tr. cp</i>	8	190	200								112	4.0	
					<i>st. py, bl. cp</i>	9	200	210								122	10.4	
					<i>sp. py, tr. cp</i>	54670	210	220								128	5.5	
					<i>sp. py, tr. cp</i>	1	220	230								148	9.8	
					<i>sp. py tr. cp</i>	2	230	240								158	9.7	
					<i>tr. cp</i>	3	240	250								160	2.2	
					<i>tr. cp</i>	4	250	260								168	7.2	
					<i>tr. cp</i>	5	260	270								178	9.9	
					<i>tr. cp</i>	6	270	280								188	8.5	
					<i>tr. cp</i>	7	280	290								198	10.0	
					<i>tr. cp</i>	8	290	300								208	1.0	
					<i>tr. cp</i>	9	300	310								208	7.1	
					<i>tr. cp</i>	54680	310	314	4.0							218	9.7	
																228	10.0	
																229	1.0	
																232	1.2	
																234	2.0	
																244	9.3	

Bacon & Crowhurst Ltd

