

Box

92 F-11

SELF-POTENTIAL SURVEY

FALCONBRIDGE NICKEL MINES LIMITED
FAITH LAKE PROPERTY,
British Columbia

Dec. 11th, 1963

D. J. Salt

SELF-POTENTIAL SURVEY

GP-6325

FALCONBRIDGE NICKEL MINES LIMITED
FAITH LAKE PROPERTY,
British Columbia

92-F-11

SUMMARY:

Many veins have been indicated on the property by the self-potential survey.

INTRODUCTION:

A self-potential survey was conducted on the property to help determine if various gold bearing veins on the property might be continuous. These veins are difficult to locate by any means due to the talus cover. If the self-potential work is satisfactory in tracing these veins, then more effort is justified in trying to drill them or, otherwise, explore them.

Unfortunately, it should be mentioned here that the self-potential anomaly is produced by the sulphides such as pyrite, arsenopyrite, chalcopyrite etc., the gold values do not contribute to the anomaly.

LOCATION & ACCESS:

The property location is shown on the inset map on the geophysical survey. There is a lumber road within 12 miles of the property, but the most satisfactory way into the property is by helicopter.

THEORY OF SURVEY:

Sulphides and graphite bodies will set up electric currents, if the top of the body is in a different solution to the lower part of the body. This difference in solutions is usually produced by oxidation of the sulphides near the surface and the lack of oxidation below. The generated currents traverse the ground and the sulphides producing a low negative potential over the centre of the sulphide body.

By measuring the electrical potential on the ground, sulphide bodies can be located.

METHOD OF SURVEY:

Using a cut base line, lines were paced off this line at right angles. The self-potential values were tied in along the base line. Readings were taken at approximately 25 foot intervals.

GEOPHYSICAL INTERPRETATION:

The results of the survey on this property appear quite straightforward. Negative self-potential anomalies appear and suggest the presence of sulphide bearing veins. These are interpreted on the map.

The vein is assumed to lie under the negative peak but it could be displaced somewhat downhill from the peak because of topographic gradient and dip of the vein relative to the hill.

There are two large areas of self-potential negative values which could be caused by either many veins in the area or one vein dipping at a flat angle relative to the hillside on which the readings were taken. The areas of negative anomaly are outlined on the map with the hope that the width of these areas may be correlated with the dip of the vein. A wider zone would suggest a flatter dip.

All dips must be considered relative to the hillside on which the readings are taken.

Two faults have been interpreted from this data.

CONCLUSIONS & RECOMMENDATIONS:

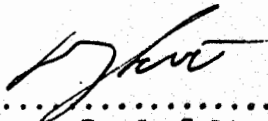
It may be concluded that some of the veins have been outlined by the self-potential survey.

It need only be recommended that these interpreted veins be uncovered, if possible, to determine if they are gold bearing.

Follow-up work would depend on the results of ground examination of these interpreted veins.

Respectfully submitted,

DJS/jl
December 11th, 1963.


.....
D. J. Salt

FALCONBRIDGE NICKEL MINES LTD.

SELF POTENTIAL SURVEY

PROPERTY Falcon Lake
 DATE Oct 8/69 OPERATOR M.B. / J.C. PAGE 11
 BASE POT AT: BL 412W POT ERROR 0
 LINE NO. BL west INST. _____

STATION	READ	TIE IN	ANOMALY	REMARKS
BL 1 W	-22	-180	-202	
BL 1+25W	25		-225	
50	-62		-242	
75	-122		-302	
BL 2100W	-		-	Talus
25	-		-	
50	-70		-270	
75	-110		-290	mass Talus
BL 3100W	-110		-290	" "
25	-112		-292	
50	-127		-307	
75	-108		-288	
BL 4100W	-102		-202	
25	-131		-311	creek
50	-128		-308	
75	-129		-309	

SIGN OF THE READING RECORDED SHOULD ALWAYS BE THAT OF THE FORWARD POT.

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FALCONBRIDGE NICKEL MINES LTD.

SELF POTENTIAL SURVEY

PROPERTY Faith Lake
 DATE Oct. 3/69 OPERATOR JW/GP/LS PAGE 12
 BASE POT AT: BL 4700W POT ERROR 80
 LINE NO. BL 5000 INST. Black box

STATION	READ	TIE IN	ANOMALY	REMARKS
BL 5700W	-122	-180	-302	
25	-103		-203	
50	-109		-239	
75	-100		-200	
BL 6400W	-92		-202	
25	-73		-203	
50	-68		-248	
75	-52		-232	
BL 7400W	-46		-236	
25	-47		-227	
50	-47		-227	
75	-15		-195	
BL 8400W	+5		-175	
25	+10		-170	
50	+40		-160	
75	+22		-158	

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FALCONBRIDGE NICKEL MINES LTD.

SELF POTENTIAL SURVEY

PROPERTY Faith Lake
 DATE Oct-3/69 OPERATOR S.M. G. J.C. PAGE 13
 BASE POT AT: BL. 142W POT ERROR 0
 LINE NO. 9 W Traverse N INST. Blisk Beauty

STATION	READ	TIE IN	ANOMALY	REMARKS
		-120	-120	
25	+68		112	
50	+132		-40	
75	+150		-30	
1+00 N	+165		-15	
25	+152		-23	
50	+174		-06	cccc
75	+190		-33	ffff
2+00 N	+160		-80	
25	+173		-67	
50	+160		-120	
75				
3+00 N				
25				
50				
75				

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FALCONBRIDGE NICKEL MINES LTD.

SELF POTENTIAL SURVEY

PROPERTY DATE Oct 2/69OPERATOR M. S. C. I. S.PAGE 14BASE POT AT: BL 1412 WPOT ERROR LINE NO. 9 WINST.

STATION	READ	TIE IN	ANOMALY	REMARKS
4400 N				
25				
50				
75				
5700 N				
BL 9410 W	0	-190	-180	
Point	Point	on	line	+
25	-52		-232	
50	-81		-261	
75	-115		-295	
4000 E	-143		-323	
25	-143		-323	
50	-135		-315	
75	-115		-295	
2000 E	-125		-305	
25	-139		-319	

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FALCONBRIDGE NICKEL MINES LTD.

SELF POTENTIAL SURVEY

PROPERTY Faith Lake SNOW M.
 DATE Oct-8 OPERATOR H/CF/SC PAGE 15
 BASE POT AT: BL 1612 W POT ERROR 0
 LINE NO. 9W traverse 2 INST. Blanco Beach

STATION	READ	TIE IN	ANOMALY	REMARKS
50	-98	-114	-112	
75	-103		-203	
5400 2	-113		-213	
25	-121		-301	
50	-70		-270	
50	-101		-181	
4400	-135		-215	
50	-130		-210	
50	-153		-233	
75	-147		-227	
5400	-152		-232	
25				
50				
75				
6400				

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FALCONBRIDGE NICKEL MINES LTD.

SELF POTENTIAL SURVEY

PROPERTY Fairbairn LakeDATE Oct 8/69 OPERATOR W/O/S/N/C PAGE 16BASE POT AT: BL 442 W POT ERROR 0LINE NO. L-7 W traverse N INST. Black Beauty

STATION	READ	TIE IN	ANOMALY	REMARKS
57 W	-38	-180	-1018	
40 W	-07		-187	
30 W	+59		-121	
20 W	+102		-78	
1+00 N	+100		-80	
20 W	+112		-68	
30 W	+95		-75	cliff
20 W				
30 W				
40 W				
50 W				
60 W				
70 W				
80 W				
90 W				
100 W				

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FALCONBRIDGE NICKEL MINES LTD.

SELF POTENTIAL SURVEY

PROPERTY Fault LakeDATE Oct. 9/69OPERATOR LP/GT/JSPAGE 17BASE POT AT: BL 1424POT ERROR 0LINE NO. 7W Trains SINST. Black Scout

STATION	READ	TIE IN	ANOMALY	REMARKS
B6 7W	-38	-180	-218	
55	-91		-271	
56	-92		-272	
75	-72		-252	
1+00 S	-52		-232	
55	-61		-241	
56	-56		-236	
75	-82		-262	
2+00 S	-100		-280	
25	-78		-258	
26	-100		-280	
75	-89		-269	
3+00 S	-80		-260	
105	-102		-282	
10	-97		-277	
26	-103		-283	

SIGN OF THE READING RECORDED SHOULD ALWAYS BE THAT OF THE FORWARD POT.

FALCONBRIDGE NICKEL MINES LTD.

SELF POTENTIAL SURVEY

PROPERTY Faith Lake
 DATE Oct-8/69 OPERATOR SP/ST/LCS PAGE 18
 BASE POT AT: BL 74 W POT ERROR 0
 LINE NO. 74 Francis S. INST. Black Beauty

STATION	READ	TIE IN	ANOMALY	REMARKS
4100 S	-148	480	-378	
25	-193		-373	work
50	-176		-356	
75	-180		-360	
5400 S	-187		-377	
24 +35	-176		-356	
50	-176		-356	
75	-175		-369	
6000 S	-155		-325	
BL 74	-37		-217	

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FALCONBRIDGE NICKEL MINES LTD.

SELF POTENTIAL SURVEY

PROPERTY Falcon LakeDATE 01/23/83 OPERATOR AP/ST/AC PAGE 19BASE POT AT: 51.600 W POT ERROR 0LINE NO. 6W Traverse II INST. Shelby Battery

STATION	READ	TIE IN	ANOMALY	REMARKS
51.600 W	-82	-180	-262	
25	-80		-260	
50	-02		-182	
75	+58		-122	
1100 N			✓	Talus
25	+42		-128	
50	0		-180	
75	-27		-207	
2100 N	-85		-265	
25	-122		-302	
50	-72		-252	
75	-72		-252	
3100 N	-83		-263	
25	-49		-229	at cliff
50				
75				

SIGN OF THE READING RECORDED SHOULD ALWAYS BE THAT OF THE FORWARD POT.

FALCONBRIDGE NICKEL MINES LTD.

SELF POTENTIAL SURVEY

PROPERTY *Fairfax Lake*DATE *Oct-9/68*OPERATOR *DW/ST/PC*PAGE *20*BASE POT AT: *BL 1400W*POT ERROR *0*LINE NO. *low Yarrow S.*INST. *Wheat*

STATION	READ	TIE IN	ANOMALY	REMARKS
<i>BL 1400W</i>	<i>-88</i>	<i>-180</i>	<i>-268</i>	
<i>50</i>	<i>-113</i>		<i>-293</i>	
<i>50</i>	<i>-132</i>		<i>-312</i>	
<i>50</i>	<i>-148</i>		<i>-328</i>	
<i>1400 S</i>	<i>-100</i>		<i>-280</i>	<i>WST</i>
<i>50</i>	<i>-98</i>		<i>-278</i>	
<i>50</i>	<i>-92</i>		<i>-272</i>	
<i>50</i>	<i>-107</i>		<i>-287</i>	
<i>1400 S</i>	<i>-93</i>		<i>-268</i>	
<i>50</i>	<i>-107</i>		<i>-287</i>	
<i>50</i>	<i>-103</i>		<i>-283</i>	
<i>50</i>	<i>-128</i>		<i>-308</i>	
<i>300 S</i>	<i>-147</i>		<i>-327</i>	
<i>50</i>	<i>-150</i>		<i>-330</i>	
<i>50</i>	<i>-146</i>		<i>-326</i>	
<i>700</i>	<i>-170</i>		<i>-360</i>	

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FALCONBRIDGE NICKEL MINES LTD.

SELF POTENTIAL SURVEY

PROPERTY Faith Lake Snowdon
 DATE 2/10/75 OPERATOR M/C 1/15 PAGE 2/1
 BASE POT AT: 86.143 W POT ERROR 0
 LINE NO. 6W INST. Blumh. 1000

STATION	READ	TIE IN	ANOMALY	REMARKS
4400 S	-203	-180	-323	
25	-225		-415	
30	-213		-303	
25	-246		-426	
5100 S	-233		-413	
25	-317		-397	
20	-198		-368	
70	-150		-330	
6000 S	-42		-332	
86.143	-88		-248	

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FALCONBRIDGE NICKEL MINES LTD.

SELF POTENTIAL SURVEY

PROPERTY Faith Lake Snowia
 DATE Oct 9/69 OPERATOR AM/GT PAGE 22
 BASE POT AT: BL 1413W POT ERROR 0
 LINE NO. 5 W Traverse N INST. Black Point

STATION	READ	TIE IN	ANOMALY	REMARKS
BL 5700W	-113	-190	-293	
25	-77		-257	
55	-48		-239	
75	-52		-233	
1413W N	-11		-291	
45	+25		-155	
	-16		-296	
55	-55		-235	
2500 W N	-68		-298	
35	-94		-274	
45	-121		-301	
75	-109		-289	
5100 N	-92		-272	
25	-105		-295	
50	-103		-283	
BL 6 W	-113		-293	

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FALCONBRIDGE NICKEL MINES LTD.

SELF POTENTIAL SURVEY

PROPERTY Faith Lake
 DATE Oct 9/59 OPERATOR SA/S.T./J.C. PAGE 73
 BASE POT AT: BL 1412 W POT ERROR 0
 LINE NO. SW Traverse INST. Black Beauty

STATION	READ	TIE IN	ANOMALY	REMARKS
BL 500 W	-113	-150	-333	
25	-138		-311	
50	-146		-326	
75	-156		-346	
100	-162		-349	
25	-156		-336	
50	-138		-313	
75	-116		-296	
200	-122		-302	
25	-92		-272	
50	-92		-272	
75	-94		-274	
300	-93		-273	
25	-100		-280	
50	-116		-296	
75	-110		-290	

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G-4

FALCONBRIDGE NICKEL MINES LTD.

SELF POTENTIAL SURVEY

PROPERTY Fairfield Lake SwearingDATE Oct 1969 OPERATOR J.P. / C.F. / J.C. PAGE 24BASE POT AT: BL 1412 W POT ERROR CLINE NO. 5 W Traverses INST. Bl. de Borealis

STATION	READ	TIE IN	ANOMALY	REMARKS
4+00 S	-122	-12	-302	
25	-122		-302	
50	-138		-318	
75	-200		380	
5+00 S	-208		-398	
25	-204		-394	
50	-190		-380	
75	-178		-368	
6+00 S	-183		-373	
25	-72		-252	
50	-33		-213	
75	446		-134	
7+00 S	4135		-45	

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G-4

FALCONBRIDGE NICKEL MINES LTD.

SELF POTENTIAL SURVEY

PROPERTY Faith Lake Snow on ground
 DATE Oct 9/69 OPERATOR JP/GT/J.C PAGE 25
 BASE POT AT: BL 1+12W POT ERROR 0
 LINE NO. 4W INST. Black Beauty

STATION	READ	TIE IN	ANOMALY	REMARKS
<u>BL 4W</u>	<u>-138</u>	<u>-180</u>	<u>-318</u>	
<u>25</u>	<u>-120</u>		<u>-300</u>	
<u>50</u>	<u>-85</u>		<u>-265</u>	
<u>75</u>	<u>-62</u>		<u>-242</u>	
<u>1+00 N</u>	<u>-08</u>		<u>-188</u>	
<u>25</u>	<u>-73</u>		<u>-253</u>	
<u>50</u>	<u>-97</u>		<u>-277</u>	
<u>75</u>	<u>-68</u>		<u>-248</u>	
<u>2+00 N</u>	<u>-40</u>		<u>-220</u>	
<u>25</u>	<u>-60</u>		<u>-240</u>	
<u>50</u>	<u>-71</u>		<u>-251</u>	
<u>75</u>	<u>-40</u>		<u>-220</u>	
<u>3+00 N</u>	<u>-67</u>		<u>-247</u>	
<u>25</u>				
<u>50</u>				
<u>75</u>				

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FALCONBRIDGE NICKEL MINES LTD.

SELF POTENTIAL SURVEY

PROPERTY Faith Lake Snow on ground
 DATE Oct 9/69 OPERATOR WJ/ST/SL PAGE 26
 BASE POT AT: Bu 112 W POT ERROR 0
 LINE NO. 4W Trans 5 INST. Black Box

STATION	READ	TIE IN	ANOMALY	REMARKS
510 400W	-134	-180	-314	
25	-135		-315	
50	-130		-310	
75	-127		-307	
100 S	-137		-307	
25	-105		-285	
50	-113		-293	
75	-105		-285	
100 S	-106		-286	
25	-78		-258	
50	-65		-245	
75	-68		-248	
100 S	-81		-261	
25	-67		-247	
50	-83		-263	
75	-107		-287	

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FALCONBRIDGE NICKEL MINES LTD.

SELF POTENTIAL SURVEY

PROPERTY Fault Lake Snow on ground
 DATE Oct 9/69 OPERATOR W/S/T/L.C PAGE 27
 BASE POT AT: BL 113 W POT ERROR 0
 LINE NO. FW TRAP 2 INST. Fluke Panel

STATION	READ	TIE IN	ANOMALY	REMARKS
400 S	-136	-180	-316	
	-157		-337	
	-213		-393	
	-243		-423	
500 S	-220		-400	
	-222		-402	
	-180		-360	
	-158		-338	
600 S	-135		-315	
	-77		-257	
	-32		-212	
	+64		-116	
BL 45	-132		-316	

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FALCONBRIDGE NICKEL MINES LTD.

SELF POTENTIAL SURVEY

PROPERTY Faith Lake Snow on ground
 DATE Oct 9/69 OPERATOR H/G T/J.C. PAGE 28
 BASE POT AT: BL 1+13 W POT ERROR 0
 LINE NO. 3W TRAVIRSON INST. Black Point.

STATION	READ	TIE IN	ANOMALY	REMARKS
<u>BL 2400W</u>	<u>-100</u>	<u>-180</u>	<u>-280</u>	
<u>25</u>	<u>-77</u>		<u>-257</u>	
<u>50</u>	<u>-38</u>		<u>-218</u>	
<u>75</u>	<u>-37</u>		<u>-217</u>	
<u>1+00</u>	<u>-38</u>		<u>-218</u>	
<u>25</u>	<u>+26</u>		<u>-151</u>	
<u>50</u>	<u>-06</u>		<u>-186</u>	
<u>75</u>	<u>-21</u>		<u>-201</u>	
<u>1+00</u>				<u>very strong fields</u>
<u>BL 3400W</u>	<u>-100</u>		<u>-280</u>	
<u>Traverse South</u>				
<u>25</u>	<u>-110</u>		<u>-290</u>	
<u>50</u>	<u>-92</u>		<u>-272</u>	
<u>75</u>	<u>-107</u>		<u>-287</u>	
<u>1+00 S</u>	<u>-113</u>		<u>-293</u>	
<u>25</u>	<u>-100</u>		<u>-280</u>	

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FALCONBRIDGE NICKEL MINES LTD.

SELF POTENTIAL SURVEY

PROPERTY Faith Lake - Snow on ground
 DATE Oct 9/69 OPERATOR SP/GT/JR. PAGE 29
 BASE POT AT: B4 143W POT ERROR 0
 LINE NO. 3W Traverse S INST. Blank Beauty

STATION	READ	TIE IN	ANOMALY	REMARKS
50	-91	-180	-271	
75	-70		-250	
200S	-63		-243	
25	-72		-252	
50	-63		-243	
75	-75		-255	
300S	-68		-249	
25	-87		-267	
50	-81		-261	
75	-110		-290	
400S	-164		-326	$\rightarrow 15W = 12W \quad 11N$
25	-140		-320	
50	-175		-355	
75	-176		-354	
500S	-142		-322	
25	-152		-332	

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FALCONBRIDGE NICKEL MINES LTD.

SELF POTENTIAL SURVEY

PROPERTY Faith Lake Snow on ground
 DATE Oct 9/69 OPERATOR SP/B.T./J.C PAGE 30
 BASE POT AT: BL 1212W POT ERROR 0
 LINE NO. 3W INST. Black Beauty

STATION	READ	TIE IN	ANOMALY	REMARKS
50	-143	-180	-323	
75	-125		-305	
6000 S	-88		-268	
25	-50		-230	
5				
L-1W	Traverse	South		
	-15		-195	
BL 1700W	-48		-228	
25	-52		-232	
50	-93		-273	
75	-153		-333	
1700 S	-166		-346	
25	-180		-360	
50	-208		-388	
75	-205		-385	
2700 S	-173		-353	
25	-133		-313	

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FALCONBRIDGE NICKEL MINES LTD.

SELF POTENTIAL SURVEY

PROPERTY Faith Lake Snow on ground
 DATE Oct 9/69 OPERATOR W/B T/S PAGE 31
 BASE POT AT: B6 1412W POT ERROR 0
 LINE NO. 1W INST. Blake Beauty

STATION	READ	TIE IN	ANOMALY	REMARKS
50	+95	-180	-275	
75	-75		-255	
3+00 S	-49		-229	
25	-27		-207	
50	+30			
75				
4+00 S	+30		-158	
25	+27		-153	
50	+27		-153	
75	-12		-192	
5+00 S	-16		-196	400 S
25	-27		-207	
50	-09		-189	
75	+27		-153	
6+00 S	+42		-138	50
25	+70		-110	

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FALCONBRIDGE NICKEL MINES LTD.

SELF POTENTIAL SURVEY

PROPERTY Fall Lake 3000 in 9000

DATE 02/19/69 OPERATOR SP/ST/LIC. PAGE 32

BASE POT AT: BL 1412 W POT ERROR 0

LINE NO. 1W INST. Block Battery

STATION	READ	TIE IN	ANOMALY	REMARKS
<u>50</u>	<u>+73</u>	<u>-180</u>	<u>-107</u>	
<u>75</u>	<u>+112</u>		<u>-68</u>	
<u>6120 S</u>	<u>+128</u>		<u>-52</u>	

SIGN OF THE READING RECORDED SHOULD ALWAYS BE THAT OF THE FORWARD POT.

FALCONBRIDGE NICKEL MINES LTD.

SELF POTENTIAL SURVEY

PROPERTY _____

DATE

Oct 7/69

OPERATOR

SP/ST/SC

PAGE

1

BASE POT AT:

BL 1-2 W (N 52)

POT ERROR

0

LINE NO.

BL

INST.

STATION	READ	TIE IN	ANOMALY	REMARKS
BL 1W	-8	-130		
0+25	-8			old L-10W 14W
"	0			
"	-10			
"	-10			
0+50	0			
BL 0	0			9W 14W
"	-45			
"	-62			
"	-54			
BL 0+25E	+24			
50	+28			
75	+25			
BL 1E	+21			
BL 125E	+70			crack
BL 150	+44		-133	

SIGN OF THE READING RECORDED SHOULD ALWAYS BE THAT OF THE FORWARD POT.

FALCONBRIDGE NICKEL MINES LTD.

SELF POTENTIAL SURVEY

PROPERTY _____

DATE _____ OPERATOR _____ PAGE 2

BASE POT AT: _____ POT ERROR 0

LINE NO. _____ INST. _____

STATION	READ	TIE IN	ANOMALY	REMARKS
B 4475E	+30	-180	-150	
Bk 2400	0		-150	
L 2 E L	0	True	192	South
425 S	-12		-178	
50	-27		200	creek (stn)
75	0		-180	
1400 S	4.6		-160	
25	+20		-160	
50	+18		-162	
75	0		-190	
2400 S	0		-190	
25	+5		-175	BW 120
50	0		-180	
75	+28		-152	
3400 S	+55		-125	
25	+60		-120	

SIGN OF THE READING RECORDED SHOULD ALWAYS BE THAT OF THE FORWARD POT.

-G-4

FALCONBRIDGE NICKEL MINES LTD.

SELF POTENTIAL SURVEY

PROPERTY _____

DATE _____ OPERATOR _____ PAGE 3

BASE POT AT: Bk 142 W POT ERROR 0

LINE NO. BLENB.L. INST. _____

STATION	READ	TIE IN	ANOMALY	REMARKS
<u>3+50</u>	<u>+87</u>	<u>-120</u>	<u>-22</u>	
	<u>+130</u>		<u>-50</u>	
<u>4+00</u>	<u>1</u>		<u>-50</u>	
	<u>+140</u>		<u>-30</u>	
	<u>+150</u>		<u>-25</u>	
	<u>150</u>		<u>-30</u>	
	<u>+155</u>		<u>-25</u>	
<u>L-2 W</u>		<u>71</u>	<u>+1150</u>	<u>N</u>
<u>Bk 2+00</u>	<u>+100</u>		<u>-174</u>	
<u>25</u>	<u>+38</u>		<u>-142</u>	
<u>50</u>	<u>+60</u>		<u>-120</u>	
<u>75</u>	<u>+90</u>		<u>-70</u>	
<u>1+00 N</u>	<u>+130</u>		<u>-50</u>	
<u>25</u>	<u>+165</u>		<u>-15</u>	
<u>50</u>	<u>+130</u>		<u>-30</u>	<u>Poor contact</u>

SIGN OF THE READING RECORDED SHOULD ALWAYS BE THAT OF THE FORWARD POT.

G-4

FALCONBRIDGE NICKEL MINES LTD.

SELF POTENTIAL SURVEY

PROPERTY _____

DATE _____

OPERATOR _____

PAGE

4

BASE POT AT:

BL 1+12 W

POT ERROR

0

LINE NO.

2 E

INST. _____

STATION	READ	TIE IN	ANOMALY	REMARKS
75	+133	-120	-47	
2100 N	+105		-75	
25	11		-95	
57	127		-53	
57	+85		-93	
75	+30		-150	
3100 N	-38		-218	
25	-23		-423	
57	-38		-208	Probe contact
25	+05		-175	
4100 N	+30		-150	
25				
30				
75				
5700 N				
BL 2 E	+07		-173	check

SIGN OF THE READING RECORDED SHOULD ALWAYS BE THAT OF THE FORWARD POT.

FALCONBRIDGE NICKEL MINES LTD.

SELF POTENTIAL SURVEY

PROPERTY FAITH LAKE Rain
 DATE Oct-7/69 OPERATOR H.C.T./J.S. PAGE 5
 BASE POT AT: 36.112W POT ERROR 2
 LINE NO. 1-E INST. Blodgett

STATION	READ	TIE IN	ANOMALY	REMARKS
B ₁ 1000 E	+65		-185	not same hole
25	+57		-123 ^E	P.C.
50	+160		-20	/
75	+135		-45	
1000 N	+147		-33	
25	+154		-26	
50	+115		-65	F.C.
75	+75		-105	
2000 N	+56		-124	
25	+16		-164	
50	-03		-183	contact F
75	10		-183	
3000 N	0		-180	
25	-13		-195	
50	-17		-197	
75	-78		-258	

SIGN OF THE READING RECORDED SHOULD ALWAYS BE THAT OF THE FORWARD POT.

FALCONBRIDGE NICKEL MINES LTD.

SELF POTENTIAL SURVEY

PROPERTY FAITH LANE

DATE Oct 7/69 OPERATOR M/25/1.C PAGE 6

BASE POT AT: 50 + 100 W POT ERROR 0

LINE NO. INST.

STATION	READ	TIE IN	ANOMALY	REMARKS
400	-73	-130	-253	
4+500 W	-15		-595	
25	-77		-257	
30	-57		-237	
40	-53		-243	
5+400 N	-38		-218	P.C.
50 + 100 E	+70		-110	check on 4
25	-190		-370	
5'	-70		-200	
50	-35		-235	
75	-86		-266	
1+00	+125		-305	
1.25	-147		-329	
50	-102		-323	
75	-155		-335	
2+00 S	-138		-318	

SIGN OF THE READING RECORDED SHOULD ALWAYS BE THAT OF THE FORWARD POT.

FALCONBRIDGE NICKEL MINES LTD.

SELF POTENTIAL SURVEY

PROPERTY Faith Lake
 DATE Oct 21/69 OPERATOR Ben PAGE 3
 BASE POT AT: BL 1412W POT ERROR 0
 LINE NO. 1 F INST.

STATION	READ	TIE IN	ANOMALY	REMARKS
2125 E	-100	-150	-250	
2125	-113		-293	
2125	-83		-263	
3100 S	-70		-250	
3100	-36		-216	
3100	+46		-195	
3100	+50		-130	"
4100 S	+36		-144	"
5100	+175		-75	check
5100	"		-75	check
7100	+127		-53	
5100 S	+127		-53	
5100 S	+80		-80	check

SIGN OF THE READING RECORDED SHOULD ALWAYS BE THAT OF THE FORWARD POT.

FALCONBRIDGE NICKEL MINES LTD.

SELF POTENTIAL SURVEY

PROPERTY Faith Lake
 DATE 2/17/69 OPERATOR M/G.T./C.C./ PAGE 8
 BASE POT AT: BL 112W POT ERROR 2
 LINE NO. 0 INST. _____

STATION	READ	TIE IN	ANOMALY	REMARKS
BL 0700	0	-180	-180	
25	+63		-217	
50	+100		-75	
75	+142		-40	
100	+168		-12	
25	+135		-45	
50	+75		-107	
75	+62		-118	
100 ON	+52		-142	
25	+07		-173	
50	-55		-235	
75	+163		-243	
100 ON	-29		-209	
25	-62		-242	
50	-87		-267	
75	-102		-282	

SIGN OF THE READING RECORDED SHOULD ALWAYS BE THAT OF THE FORWARD POT.

G-4

FALCONBRIDGE NICKEL MINES LTD.

SELF POTENTIAL SURVEY

PROPERTY Faith LakeDATE Oct. 7/05 OPERATOR _____ PAGE 9BASE POT AT: B.L. 12/2 W POT ERROR 0LINE NO. 0 INST. Field Meter

STATION	READ	TIE IN	ANOMALY	REMARKS
400A	-89	-180	-268	
21	-82		-260	
500 W				
200	0		-180	check
300	-93		-220	check
400	-70		-250	
500	-98		-278	check
600	-100		-300	"
700	-149		-329	"
800	-155		-333	9W 12W
900	-124		-304	check
1000	-12		-272	check
1100	-66		-246	
1200	-72		-252	

SIGN OF THE READING RECORDED SHOULD ALWAYS BE THAT OF THE FORWARD POT.

G-4/

FALCONBRIDGE NICKEL MINES LTD.

SELF POTENTIAL SURVEY

PROPERTY Earth LakeDATE 5/10/70 OPERATOR H/G/H/C PAGE 10BASE POT AT: B6142W POT ERROR 0LINE NO. 0 INST. _____

STATION	READ	TIE IN	ANOMALY	REMARKS
75	-53	-180	-233	check
8700s	-15		-195	check
25	+14		-166	
50	*		-166	
25	+50		-130	
4700	+39		-161	
25	+121		-113	
50	+80		-100	
75	+80		-100	
8700s	+74		-106	

SIGN OF THE READING RECORDED SHOULD ALWAYS BE THAT OF THE FORWARD POT.

FALCONBRIDGE NICKEL MINES LIMITED

RONKA EM SURVEY

PROPERTY
NE N° 9

TRAVERSE DIRECTION
OPERATOR

PAGE / 0

DATE

Station	Frequency 23.4 Tilt Direction 40'				Frequency Tilt Direction				Remarks
	In Phase	Quad	Slope	Cross Over	In Phase	Quad	Slope	Cross Over	
PL 9 W	-11	-8	-22		+38	+4	+10		
	-15	-7	-24		+42	-3	+5		Str. of 400
1+00 N	-18	-6	-18		+42	+3	+5		
	-22	-4	-14		+40	-1	+3		
2+00 N	-26	-7	-23		+39	+4	ridge		
	-30	-3	ridge		+33	+8	ridge		Comp 20' W
3+00 N	-31	-7	-20		+35	+4	"		Str. of 400
	-34	-4	-20		+30	+7	-7		
4+00 N	-40	-3	ridge		+27	+3	-3		
	-41	-3	"		+25	+13	ridge		
5+00 N	-43	0	dip		+10	+5	dip		1/2 dip
	-47	+1	"		+12	+14	"		
6+00 N	-30	-5	-12		0	+17	ridge		
	-27	-7	-16		-13	+1	dip		
7+00 N	-32	-5	-22		-25	-5	-12		
	-35	+3	-26		-15	+11	-16		
8+00 N	-7	-4	-10		-10	+1	-14		
	+15	-15	-40		+6	-1	-20		
	From X-over point				9 to 10	= 150'			
							90'		

FALCONBRIDGE NICKEL MINES LIMITED

RONKA EM 16 SURVEY

PROPERTY
LINE N^o

TRAVERSE DIRECTION
OPERATOR

clear
DATE 5 PAGE

Station	Frequency 23.2 Tilt Direction 140				Frequency 24.0 Tilt Direction 240				Remarks
	In Phase	Quad	Slope	Cross Over	In Phase	Quad	Slope	Cross Over	
Stamp	-31	-5	crest		+30	+10	crest		
8	-30	-5	"		+38	+14	"		
DDM	-27	-7	"		+44	+6	"		
	-25	-4	"		+26	+4			
	-25	-10	-8		+60	-4	+10		
	-25	-9	-10		+60	-2	+15		
	-23	-9	-8		+70	-10	+20		
	-19	-14	-6		+63	-3	+25		
	-20	-10	-8		+63	+15	+25		
	-4	-14	-3		+80	+9	+30		
	-15	-14	fractid.		+80	+2	+30		
	-12	-4	"		+74	-2	+27		
	-10	-15	ridge		+82	+4	+30		
	-15	-13	+2		+84	+1	"		
	-15	-15	ridge		+76	0	+30		
	"	"	"		+84	-1	+35		
			L-10 Traverse						
2N	-37	-3	-4		+30	+8	+10		
3N	-40	-5	-5		+25	+3	+7		
	-32	-7	0		+23	-5	-4		
4N	-20	-14	-5		-10	+6	-10		
	-25	-13	-11		-15	+10	-8		
5N	-29	-8	-16		-10	+10	-15		

FALCONBRIDGE NICKEL MINES LIMITED MAGNETOMETER SURVEY

PROPERTY _____ INST. _____

OPERATOR _____ DATE _____ PAGE 2

STATION	READING	SCALE	TIME	DIUR CORR	ANOMALY	REMARKS
old 10W 7N	-150	1000	10:15			old 10W 7N
						170' SE to middle X-over
New L 1W						
8S (True 9S)	-80	1000				
	-30	"				
9S (True 10S)	0					
	+230					West X-over
+75	+340					
10S (True 11S)	-60					
	+40					Stream - S
11S (True 12S)	-30					
	-70					stream junction →
12S (True 13S)	-160					
	+150					
13S (True 14S)	+260					
	+60					
14S (True 15S)	-30					
	-30					

PLEASE INDICATE POLARITY OF READINGS.

FALCONBRIDGE NICKEL MINES LIMITED
MAGNETOMETER SURVEY

PROPERTY Fault hole - clear INST. M.F. 1 (60)

OPERATOR A. P. ... DATE Oct-10/69 PAGE 1

STATION	READING	SCALE	TIME	DIUR CORR	ANOMALY	REMARKS
^{old Bl.} Bl 10+00W	-100	1000	10:00			
	0					creek at 75N
1+00 N	+60					
	150					
2+00 N	0					
	-80					DDH 40' E
3+00 N	-190					creek ↓ SE
	-140					" "
4+00 N	0					" "
	+15					
5+00 N	-60					
	+90					
6+00 N	+170					
	+05					
7+00 N	+50					
	+170					Middle x-over
8+00 N	-90					
	-100					

PLEASE INDICATE POLARITY OF READINGS.

