



42A15SE0034 63E.7 EDWARDS

010

- 15 -

Diamond Drilling:

Fourteen diamond drill holes were put down on the J- 10 property to test the conductors outlined by the EM survey.

Seven drill holes were located on each portion of the claim group, for a total of 5,724 feet.

The drilling was performed by Boyles Bros. (Que.) Ltd. of Noranda, Quebec, using two BBS- 2 drill machines taking "AX" (1") core. The program was conducted from 9 June to 9 August, 1964.

In all but two locations surface outcrop was within less than 100 feet of any hole, hence very little overburden was encountered. In holes J- 10/6-W and J- 10/7-W the nearest surface outcrop was over 2000 feet to the southwest and, in these instances, the overburden depth was over 75 feet vertically.

The diamond drill logs, and sample assay results are shown on the following pages.

NOTE TO FILE: PAGES 1-14 AND 67-72 ARE INCORPORATED WITH
REPORT # 63.1679.

Canadian Javelin Limited

DIAMOND DRILL LOGS

Holes 1-W to 7-W


West Section J-10, Edwards Township

Logged by: Wm. B. Blakeman
Geologist.

DIAMOND DRILL HOLE
J-10/1-W.

LOCATED AT 0+00N/0+80E BEARING N-60°W @ 60°

<u>Interval</u>	<u>Feet</u>	<u>Description</u>
0 - 6.0	6.0	Casing - 0-4 ft. - overburden.
6 - 22.0	16.0	Dark, fine grained diorite gneissic appearance - core angle 70°, syenite stringers 16.8 - 17.2; 18.0-18.5
22 - 30.0	8.0	Basalt, minor disseminated pyrite.
30 - 35.8	5.8	Basalt, minor disseminated and banded pyrite and pyrrhotite at 50°.
35.8 - 40.0	4.2	Andesite, fine grained, minor disseminated pyrite. Core angle 40°.
40.0 - 62.0	22.0	Garnetiferous-chloritic gneiss, minor pyrite.
62.0 - 66.3	4.3	Massive pyrite and pyrrhotite.
66.3 - 75.0	8.7	Quartzite, with minor banded chlorite and pyrite @ 30° to core angle.
75.0 - 100.0	25.0	Basalt.
100.0 - 108.0	8.0	Basalt with secondary quartz stringers.
108.0 - 133.0	25.0	Quartz-feldspar gneiss.
133.0 - 208.0	75.0	Syenite.
208.0 - 260.0	52.0	Basalt.
260.0 - 281.0	21.0	Granite. End of Hole.


Wm. B. Blakeman,
Geologist.

DIAMOND DRILL HOLE
J-10/2-W.

(1)

LOCATED AT 2+50S/1+00E BEARING N30°W @ 60°

<u>Interval</u>	<u>Feet</u>	<u>Description</u>
0 - 6.0	6.0	Casing- 0-4.0 ft. - overburden.
6.0 - 75.0	69.0	Diorite.
75.0 - 85.5	10.5	Garnetiferous metamorphosed andesite (?) with minor disseminated sulfide.
85.5 - 86.5	1.0	Medium grained, gray andesite.
86.5 - 90.5	4.0	Massive pyrite & pyrrhotite.
90.5 - 95.0	4.5	Highly quartzose, biotite, chlorite feldspar gneiss with 5-10% disseminated sulfides.
95.0 - 99.5	4.5	Andesite (?) with chlorite stringer and 10% banded sulfides.
99.5 - 108.0	8.5	Syenite.
108.0 - 110.0	2.0	Greenstone, 15%-20% banded pyrite.
110.0 - 130.0	20.0	Basalt, with minor disseminated sulfides.
130.0 - 133.5	3.5	Diorite, disseminated sulfides 132-133.5'.
133.5 - 138.0	4.5	Massive and banded (associated with chlorite) pyrite and pyrrhotite and very minor flecks of chalcopyrite.
138.0 - 141.5	3.5	Syenite with chloritic zones carrying disseminated sulfides.

DIAMOND DRILL HOLE
J-10/2-W

(2)

<u>Interval</u>		<u>Description</u>
141.5 - 146.5	5.0	Quartzose zone with banded chlorite carrying minor disseminated sulfides; core angle 20°.
146.5 - 147.5	1.0	Medium grained basalt dike with minor disseminated sulfides.
147.5 - 153.5	6.0	Quartz veins, minor disseminated sulfides, and 3" - 6" chloritic zones with up to 5% sulfides.
153.5 - 180.5	27.0	Syenite.
180.5 - 198.0	17.5	Fine grained diorite.
198.0 - 200.0	2.0/	Syenite.
200.0 - 207.0	7.0	Interbanded fine grained dacite and syenite.
207.0 - 208.0	1.0	Granite.
208.0 - 215.0	7.0	Fine grained diorite.
215.0 - 222.0	7.0	Fine grained basalt, secondary quartz stringers with minor disseminated pyrite.
222.0 - 235.0	13.0	Interbanded diorite and syenite minor pyrite seams at 5-10% to core.
235.0 - 237.0	2.0	Chlorite schist.
237.0 - 270.0	33.0	Medium grained diorite...
270.0 - 274.0	4.0	Syenite.
274.0 - 281.0	7.0	Diorite.
281.0 - 282.5	1.5	Quartzbiotite granite.... End Of Hole.


Wm. B. Blakeman, Geologist.

DIAMOND DRILL HOLE
J-10/3-W

LOCATED AT 10+00S/5+50W BEARING S60°E @ 45°

<u>Interval</u>	<u>Feet</u>	<u>Description</u>
0 - 6.0	6.0	Casing, 0-4.0' - overburden.
6.0 - 7.5	1.5	Diorite.
7.5 - 18.0	10.5	Syenite.
18.0 - 19.0	1.0	Diorite.
19.0 - 20.5	1.5	Syenite.
20.5 - 42.0	21.5	Diorite and quartz-diorite.
42.0 - 51.0	9.0	Greenstone, minor disseminated pyrite.
51.0 - 59.0	8.0	Quartz-zone, probable quartz dike.
59.0 - 62.5	3.5	Diorite.
62.5 - 67.0	4.5	Greenstone, minor disseminated pyrite.
67.0 - 88.0	21.0	Diorite (garnetiferous - 67.0-75.0)
88.0 - 90.5	2.5	Chloritic zone (sub-greenstone?), minor sulfides.
90.5 - 97.0	6.5	Diorite.
97.0 - 105.0	8.0	Chloritic zone, garnetiferous and with minor sulfides; core angle - 45° - 60°.
105.0 - 125.0	20.0	Diorite with minor chloritic zones carrying garnets and disseminated pyrite.

DIAMOND DRILL HOLE
J-10/3-W.

(2)


<u>Interval</u>		
125.0 - 127.0	2.0	Massive pyrite and pyrrhotite.
127.0 - 128.0	1.0	Greenstone, minor disseminated pyrite.
128.0 - 136.0	8.0	Quartz-biotite-chlorite schist with thinly banded pyrite.
136.0 - 137.0	1.0	Chert (very fine grained), light green.
137.0 - 164.6	27.0	Diorite with syenite stringers up to 1.5', chloritic zones, carrying minor disseminated sulfides.
164.6 - 209.0	45.0	Syenite.
209.0 - 236.0	27.0	Diorite, with zones of biotite schist and quartz-biotite schist.
236.0 - 240.0	4.0	Biotite schist.
240.0 - 241.0	1.0	Syenite.
241.0 - 245.5	3.5	Diorite and granodiorite with syenite stringers.
245.5 - 255.0	9.5	Chloritic biotite schist, minor veinlets of pyrite.
255.0 - 256.0	1.0	Granite.
256.0 - 257.0	1.0	Quartz-diorite with disseminated and banded sulfides, quartz vein .25'.
257.0 - 261.0	4.0	Banded to massive pyrite and pyrrhotite, and flecks of chalcopyrite fractured; quartz veins and chloritic seams.

DIAMOND DRILL HOLE
J-10/3-W

(3)

<u>Interval</u>	<u>Feet</u>	<u>Description</u>
261.0 - 266.5	5.5	Quartz vein, with minor disseminated pyrite and chloritic stringers.
266.5 - 270.0	3.5	Quartz veins, adjacent to minor diorite.
270.0 - 271.0	1.0	Syenite.
271.0 - 278.0	7.0	Shattered zone, pyrite, pyrrhotite secondary quartz, chlorite, biotite, flecks of chalcopyrite, highly contorted.
278.0 - 281.0	3.0	Quartz vein.
281.0 - 283.5	2.5	Zone of contorted quartz - biotite and chlorite and minor sulfides.
283.5 - 285.5	2.0	Quartz vein.
285.5 - 292.0	6.5	Same as 283.5-285.5, but garnetiferous.
292.0 - 295.0	3.0	Diorite (minor garnets).
295.0 - 401.0	106.0	Zone of interbanded greenstones and biotite schist with veinlets of quartz, and stringers of syenite and diorite. Minor disseminated sulfides
401.0 - 407.0	6.0	Syenite.
407.0 - 453.0	46.0	Zone of quartz-biotite schist-chloritic schist, biotite schist, and quartz-biotite gneiss.

----- End of Hole -----


Wm. B. Blakeman, Geologist.

DIAMOND DRILL HOLE
J-10/4-W

LOCATED AT 11+00S/5+50W BEARING S60°E AT 45°

<u>Interval</u>	<u>Feet</u>	<u>Description</u>
0 - 22.0	22.0	Casing.
22.0 - 24.0	2.0	Diorite.
24.0 - 25.0	1.0	Greenstone.
25.0 - 108.0	83.0	Coarse grained gabbro.
108.0 - 116.5	8.5	Diorite with chloritized shear zones which carry minor disseminated pyrite.
116.5 - 119.0	2.5	Syenite.
119.0 - 121.0	2.0	Fine-medium grained quartz-biotite-chlorite schist - finely banded, carries disseminated pyrite.
121.0 - 123.5	2.5	Quartz zones (quartzite ?) contorted, carries banded and disseminated pyrite, pyrrhotite and flecks of chalcopyrite.
123.5 - 123.8	0.3	Massive pyrrhotite.
123.8 - 128.0	4.2	Same as 119.0 - 121.0.
128.0 - 151.0	23.0	Meta sediments (?) non micaceous, but schistose, cut by syenite stringers up to 1.0' between 129.0' and 131.0'.
151.0 - 154.0	3.0	Quartz-biotite chlorite schist - minor banded pyrite.
154.0 - 166.0	12.0	Possible metamorphosed diorite.
166.0 - 168.0	2.0	Fine grained chlorite schist - cut by quartz veinlets, schistosity core angle 45 - 60°.
168.0 - 187.5	19.5	Syenite.

DIAMOND DRILL HOLE
J-10/4-W

(2)

<u>Interval</u>	<u>Feet</u>	<u>Description</u>
187.5 - 205.5	18.0	Diorite.
205.5 - 215.5	10.0	Syenite, cut by quartz and dacite stringers, and minor interbanded diorite.
215.5 - 220.0	4.5	Diorite - chloritized shear faces at 50°, shear faces carry minor disseminated pyrite.
220.0 - 221.5	1.5	Quartz-sericite schist with banded and disseminated pyrite, pyrrhotite and minor flecks of chalcopyrite.
221.5 - 223.0	1.5	Quartz vein, minor disseminated pyrite.
223.0 - 224.0	1.0	Diorite.
224.0 - 241.0	17.0	Quartz-biotite chlorite, not schistose, carries minor disseminated pyrite.
241.0 - 256.5	15.5	Quartzose zone highly contorted (quartzite ?) sheared at 50° at about 1" intervals, shears chloritized, pyrite, pyrrhotite and minor chalcopyrite associated with shears.
256.5 - 258.0	1.5	Massive pyrrhotite, minor flecks of chalcopyrite.
258.0 - 260.0	2.0	Banded and massive pyrite and pyrrhotite, chloritized shears, minor garnets.
260.0 - 262.0	2.0	Thinly banded biotite - chlorite schist with minor sulfides.
262.0 - 262.5	0.5	Greenstone with garnets and thinly banded sulfides.
262.5 - 273.5	11.0	Diorite.

DIAMOND DRILL HOLE

J-10/4-W

(3)

<u>Interval</u>	<u>Feet</u>	<u>Description</u>
273.5 - 283.0	9.5	Garnetiferous chlorite schist.
283.0 - 288.5	5.5	Diorite with banded pyrrhotite and chlorite 286.5 - 287.0'.
288.5 - 290.0	1.5	Syenite.
290.0 - 292.0	2.0	Diorite, chloritized shears.
292.0 - 313.0	21.0	Interbanded, diorites and garnetiferous chlorite schist.
313.0 - 314.0	1.0	Quartz-biotite gneiss.
314.0 - 320.0	6.0	Diorite with chloritized shears carrying pyrite and minor flecks of chalcopyrite.
320.0 - 339.0	19.0	Biotite (schist ?) fine to medium grained, durable - probably 95%+ biotite, no quartz or feldspar.
339.0 - 373.0	24.0	Medium grained gabbro with minor disseminated pyrite.
373.0 - 375.0	2.0	Dacite.
375.0 - 384.0	9.0	Gabbro - minor disseminated pyrite and pyrite in quartz stringers.
384.0 - 384.5	0.5	Dacite.
384.5 - 402.5	18.0	Syenite.
402.5 - 439.0	36.5	Same as 320 - 339'; very thin bands of chalcopyrite at 411.5' and cut by syenite at 414.0 - 414.3', 415.0 - 418.0', 419.5 - 420.0', 420.5 - 422.5'.
439.0 - 442.5	3.5	Fine grained diorite epidotized zone with pyrite stringers 442.0 - 442.5'.

DIAMOND DRILL HOLE
J-10/4-W.

(4)

<u>Interval</u>		<u>Description</u>
442.5 - 453.5	11.0	Same as 320 - 339.0'.
453.5 - 454.0	.5	Quartz-biotite (gneiss ?).
454.0 - 473.0	19.0	Interbanded syenite and diorite, biotite rich zone (same as 320 - 339.0') from 460.5 - 463.5'.
473.0 - 479.0	6.0	Fine grained granite.
..... End Of Hole		



Wm. B. Blakeman, Geologist.

DIAMOND DRILL HOLE
J-10/5-W

<u>Interval</u>		
102.0 - 105.5	3.5	Massive pyrite and pyrrhotite in a garnetiferous greenstone.
105.5 - 114.5	9.0	Quartz vein, chloritized shears about 1" apart - 109.5 to 114.5'.
114.5 - 118.5	4.0	Quartz - biotite (gneiss) with banded pyrite and pyrrhotite. Core angle (sulfides and quartz-biotite) 50°.
118.5 - 123.5	5.0	Garnetiferous, quartz-biotite-chlorite schist.
123.5 - 126.5	3.0	Massive pyrrhotite with biotite and chlorite.
126.5 - 129.0	2.5	Banded pyrite and pyrrhotite in greenstone.
129.0 - 131.5	2.5	Same as 118.5 - 123.5, plus minor disseminated pyrite.
131.5 - 143.5	12.0	Diorite, sheared, chloritized shears with garnets.
143.5 - 145.5	2.0	Greenstone with massive pyrite and pyrrhotite.
145.5 - 153.0	7.5	Quartz-biotite-chlorite and quartz-biotite-feldspar gneiss and schist, cut by syenite - 148.0 - 148.5'.
153.0 - 162.5	9.5	Diorite, cut by quartz veins at 153.0 - 153.5 and 155.5 - 156.0'.
162.5 - 176.0	13.5	Quartz-biotite feldspar gneiss.
176.0 - 177.5	1.5	Basalt - minor disseminated sulfides.
177.5 - 178.5	1.0	Quartz-biotite gneiss.

DIAMOND DRILL HOLE
J-10/5-W

LOCATED AT 14+00S/5+50W BEARING S60°^E AT 55°

<u>Interval</u>	<u>Feet</u>	<u>Description</u>
0 - 4.0	4.0	Casing.
4.0 - 9.5	5.5	Basalt.
9.5 - 31.5	22.0	Gabbro.
31.5 - 37.0	5.5	Metamorphosed sediments, highly micaceous (biotite & chlorite) but not a schist, carrying disseminated pyrite, core angle 55°.
37.0 - 46.0	9.0	Medium grained diorite chloritized zone with minor chalcopyrite. 37.4 - 37.6'.
46.0 - 60.0	14.0	Garnetiferous chlorite schist. Core angle 45°.
60.0 - 65.0	5.0	Diorite.
65.0 - 69.5	4.5	Garnetiferous chlorite schist.
69.5 - 88.5	19.0	Diorite, sheared-chlorite and garnets in shear zones, also with quartz-biotite zones, minor disseminated pyrite at 87.0 - 88.5'. Core angle 50°.
88.5 - 95.0	6.5	Greenstone - with garnets. Core angle 40°.
95.0 - 99.0	4.0	Medium grained diorite, chloritized shear planes, and minor disseminated pyrite.
99.0 - 102.0	3.0	Greenstone, garnetiferous and banded pyrite, 101.5 - 102.0'.

DIAMOND DRILL HOLE
J-10/5-W

<u>Interval</u>		
178.5 - 198.5	20.0	Basalt with greenstone and disseminated sulfide at 195.0 - 195.5' and 197.5 - 198.5'.
198.5 - 209.0	10.5	Diorite.
209.0 - 219.5	10.5	Quartz-biotite (gneiss) (?).
219.5 - 226.0	6.5	Diorite.
226.0 - 239.5	13.5	Quartz-biotite-feldspar gneiss, zone of altered sediments highly chloritic and with disseminated pyrite 237.5 - 239.0' Core angle 60°.
239.5 - 240.5	1.0	Chloritized meta sediments.
240.5 - 244.0	3.5	Syenite with diorite stringers 241.0 - 241.8'
244.0 - 249.0	5.0	Chloritized altered sediments or tuffs with minor disseminated pyrite.
249.0 - 253.5	4.5	Syenite.
253.5 - 258.5	5.0	Chloritized carbonate sediments with minor disseminated pyrite.
258.5 - 272.5	14.0	Quartz-biotite-feldspar granite.
272.5 - 273.5	1.0	Greenstone.
273.5 - 275.0	1.5	Quartz vein, minor disseminated pyrite.
275.0 - 281.0	6.0	Chloritized altered sediment or tuff (core angle 30°) quartz vein at 276.7 - 277.0' and 278.0 - 279'.
281.0 - 283.0	2.0	Greenstone.

DIAMOND DRILL HOLE
J-10/5-W

<u>Interval</u>		
283.0 - 284.0	1.0	Quartz vein.
284.0 - 290.0	6.0	Biotite schist.
290.0 - 301.0	11.0	Syenite.
301.0 - 302.0	1.0	Chloritized quartz bearing altered sediment with disseminated pyrite, core angle 45°.
302.0 - 367.0	65.0	Syenite.
367.0 - 370.0	3.0	Greenstone with minor disseminated pyrite, core angle 50°.
370.0 - 381.5	11.5	Syenite, grades to granite 377.0 - 379.0'.
381.5 - 391.5	10.0	Greenstone, core angle 30°.
391.5 - 411.0	9.5	Biotized altered sediments, core angle 30°.
411.0 - 412.0	1.0	Greenstone.
412.0 - 432.0	20.0	Chloritized altered sediments, core angle 45°.
432.0 - 449.0	17.0	Diabase.
449.0 - 590.0	141.0	Gabbro.
590.0 - 615.0	25.0	Diabase.
615.0 - 670.0	55.0	Pink granite.
670.0 - 690.0	20.0	Quartz-biotite-feldspar gneiss, foliation, core angle 60°.
690.0 - 701.0	11.0	Greenstone, disseminated pyrite.

DIAMOND DRILL HOLE
J-10/5-W

<u>Interval</u>		
701.0 - 707.0	7.0	Interbanded greenstone and quartz-biotite-feldspar gneiss.
707.0 - 710.0	3.0	Granite.
710.0 - 715.0	5.0	Same as 701.0 - 707.
715.0 - 718.0	3.0	Biotite-chlorite schist, flecks of molybdenite.
718.0 - 726.5	8.5	Interbanded quartz-biotite-feldspar gneiss and greenstone.
726.5 - 728.5	2.0	Quartz-biotite-feldspar gneiss.
728.5 - 730.5	2.0	Biotite-chlorite schist, core angle 60°.
730.5 - 731.0	0.5	Quartz-biotite feldspar gneiss.
731.0 - 733.0	2.0	Greenstone, with massive pyrite and pyrrhotite.
733.0 - 786.5	53.5	Syenite, gneissic and granitic (i. e. + qtz.) in minor zones.
786.5 - 789.5	3.0	Dense, very fine grain, dark green basalt.
789.5 - 791.0	1.5	Syenite.
791.0 - 795.0	4.0	Gabbro.
795.0 - 798.0	3.0	Syenite.
..... End Of Hole		


Wm. B. Blakeman, Geologist.

DIAMOND DRILL HOLE

J-10/6-W

LOCATED AT 23+00N/1+90W BEARING N75°W AT 45°

<u>Interval</u>	<u>Feet</u>	<u>Description</u>
0.0 - 100.0	100.0	Casing.
100.0 - 104.0	4.0	Strongly banded pyrite and pyrrhotite in a finely banded quartzite-sericite host, core angle: 30 - 40°.
104.0 - 105.0	1.0	Massive pyrite and pyrrhotite.
105.0 - 106.0	1.0	Strongly banded pyrite and pyrrhotite in a dioritic host.
106.0 - 110.0	4.0	Massive pyrite and pyrrhotite.
110.0 - 114.0	4.0	Quartz-monzonite - minor disseminated pyrite.
114.0 - 115.0	1.0	Syenite.
115.0 - 117.5	2.5	Very fine grained, foliated, magnetite bearing pyroxenite (?), contains vesicles and/or solution cavities, highly magnetic.
117.5 - 150.0	32.5	Syenite with minor zones grading to granite.
150.0 - 238.5	88.5	Hard, very fine grained, dark, finely banded sediment or tuff with chloritic - sub greenstone zones, and quartz and calcite stringers, finely banded pyrite and pyrrhotite, less than 5% of total footage, prominent chloritized shears parallel to banding. Core angle 35 - 45°.
238.5 - 239.0	0.5	Syenite vein.
239.0 - 241.5	2.5	Gray-fine grained cherty quartzite.

DIAMOND DRILL HOLE
J-10/6-W

<u>Interval</u>		
241.5 - 271.5	30.0	Altered, fine grained sediments or tuffs, minor disseminated pyrite and pyrrhotite with flecks of chalcopyrite; strongest sulfides at 256.0 - 257.0' Core angle 40 - 50°.
271.5 - 278.0	6.5	Quartz-biotite-feldspar granite.
278.0 - 281.0	3.0	Chloritic "sub greenstone" with minor banded and disseminated pyrite and pyrrhotite.
281.0 - 281.5	0.5	Coarse grained granite.
281.5 - 286.5	5.0	Hard-dense basalt, very dark.
286.5 - 287.5	1.0	Coarse grained granite, minor disseminated pyrite.
287.5 - 292.0	4.5	Basalt.
292.0 - 297.0	5.0	Quartz biotite gneiss, minor chlorite present.
297.0 - 307.0	10.0	Fine grained biotite-chlorite (schist ?) minor banded pyrite - core angle 30°.
307.0 - 308.0	1.0	Quartz vein, with disseminated pyrite.
308.0 - 349.5	41.5	Finely banded, fine grained high biotite (schist ?), with carbonate stringers and minor disseminated sulfide 327.0 - 328.0 steatite, soft and flaky. Core angle 60 - 40°.

..... End Of Hole


Wm. B. Blakeman, Geologist.

DIAMOND DRILL HOLE
J-10/7-W.

LOCATED AT 25+70N/2+75W BEARING S85°W AT 55°

<u>Interval</u>	<u>Feet</u>	<u>Description</u>
0.0 - 106.0	106.0	Casing.
106.0 - 109.0	3.0	Greenstone.
109.0 - 111.0	2.0	Quartz vein.
111.0 - 112.0	1.0	Strongly banded and massive pyrite and pyrrhotite.
112.0 - 118.0	6.0	Grey quartz (quartzite ?), minor banded pyrite.
118.0 - 129.0	11.0	Massive pyrite and pyrrhotite in a quartzose host.
129.0 - 138.0	9.0	Banded pyrite and pyrrhotite in a quartzose host.
138.0 - 145.0	7.0	Grey quartz (quartzite ?).
145.0 - 159.0	14.0	Greenstone.
159.0 - 189.0	30.0	Quartz and plagioclase feldspar (monzonite), medium to coarse grained, with disseminated pyrite and pyrrhotite, minor biotite. Core angle 30°.
189.0 - 190.0	1.0	Syenite.
190.0 - 190.5	0.5	Quartz vein.
190.5 - 202.5	12.0	Quartz-feldspar (monzonite).
202.5 - 204.5	2.0	Granite.
204.5 - 208.0	3.5	Coarse grained, dark quartz-biotite-feldspar gneiss with disseminated pyrite.

DIAMOND DRILL HOLE
J-10/7-W

(2)

<u>Interval</u>	<u>Feet</u>	<u>Description</u>
208.0 - 216.0	8.0	Same as 204.5 - 208.0, but much more biotite.
216.0 - 224.5	8.5	Banded quartzitic sediments (?), minor disseminated pyrite and feldspars, fine to medium grained. Core angle 80°.
224.5 - 226.5	2.0	Strongly banded and massive pyrite and pyrrhotite.
226.5 - 231.0	4.5	Massive pyrite and pyrrhotite.
231.0 - 239.0	8.0	Strongly banded and massive pyrite and pyrrhotite in a banded quartz-feldspar host. Core angle 55 - 60°.
239.0 - 246.0	7.0	Banded pyrite and pyrrhotite in quartz-feldspar host.
246.0 - 286.0	40.0	Thinly banded pyrite and pyrrhotite in a chlorite-olivine host. Core angle 30 - 60°.
286.0 - 326.5	40.5	Hard, dense, very fine grained green altered sediment or basaltic tuff, carries minor quartz and calcite bands with considerable pyrite-pyrrhotite mineralization, quartz and calcite are parallel to the banding. Core angle 35 - 40°.
326.5 - 328.5	2.0	Quartz-feldspar (monzonite) with minor disseminated sulfides.
328.5 - 342.0	13.5	Same as 286.0-326.5. Core angle 40°.
342.0 - 343.0	1.0	Coarse grained quartz-biotite-feldspar Granite.
343.0 - 350.0	7.0	Same as 286.0-326.5'. Core angle 40°.
..... End Of Hole		

DIAMOND DRILL HOLE
J-10 / 7-W

(3)

- See sheet 1 & 2.



Wm. B. Blakeman,
Geologist.

Canadian Javelin Limited

DIAMOND DRILL LOGS

Holes 1-E to 7-E

East Section J-10, Edwards Township

Logged by: Wm. B. Blakeman,
Geologist.

DIAMOND DRILL HOLE
J-10 / 1 E.

LOCATED AT 1+12S / 5+00 E BEARING DUE SOUTH AT 45°

<u>Interval</u>	<u>Feet</u>	<u>Description</u>
0.0 - 16.0	16.0	Casing.
16.0 - 22.5	6.5	Schistose altered shale and volcanics, thinly banded pyrite. Core angle, 5 - 10°.
22.5 - 23.5	1.0	Graphite - with pyrite and pyrrhotite.
23.5 - 25.0	1.5	Same as 16.0 - 22.5'.
25.0 - 50.0	25.0	Same as 16.0 - 22.5' but with pyrrhotite and flecks of chalcopyrite 28.5 - 30.0 and pyrite 33.5 - 33.75'.
50.0 - 74.5	24.5	Banded pyrite and pyrrhotite in chloritic serpentized host.
74.5 - 75.0	0.5	Sheared and shattered quartz.
75.0 - 83.0	8.0	Fine grained, chloritized altered sediments with disseminated pyrite.
83.0 - 87.5	4.5	Shear zone, muscovite - chlorite and disseminated pyrite.
87.5 - 88.0	0.5	Greenstone, carries pyrite, large solution cavities.
88.0 - 91.0	3.0	Massive pyrite and pyrrhotite in a graphitic host.
91.0 - 93.0	2.0	Banded pyrite and pyrrhotite in graphite.
93.0 - 95.0	2.0	Banded pyrite and pyrrhotite in chloritic host.
95.0 - 100.0	5.0	Fine grained, thinly bedded altered sediments (ash ?).

DIAMOND DRILL HOLE

J-10 / 1 E.

(2)

<u>Interval</u>	<u>Feet</u>	<u>Description</u>
100.0 - 110.5	10.5	Same as 95.0 - 100.0' plus minor banded pyrite and pyrrhotite.
110.5 - 112.5	2.0	Greenstone, with minor disseminated and banded pyrite and pyrrhotite.
112.5 - 117.0	4.5	Diorite.
117.0 - 122.0	5.0	Inter banded diorite and greenstone with minor disseminated and banded pyrite.
122.0 - 126.0	4.0	Graphite with banded quartz - chlorite and sulfides.
126.0 - 217.5	91.5	Fine grained, thinly bedded grey sediments (or ash) with minor banded and disseminated sulfides, fairly strong pyrrhotite 152.0 - 164.0'; higher quartz content 175.0 - 187.5'; syenite stringers 187.5 - 188.0' and 201.5 - 201.8'.
217.5 - 220.0	2.5	Quartz vein.
220.0 - 240.5	20.5	Same as 126.0 - 217.5'. Quartz veins at 226.5 - 226.6, 236.0 - 237.5.
240.5 - 242.0	1.5	Graphite, with pyrite, pyrrhotite and chlorite.
242.0 - 293.5	51.5	Same as 126.0 - 217.5. Syenite stringers at 270.4 - 270.6, 272.0 - 273.3, 277.0 - 280.0, 284.0 - 284.5. Core angle of bedding: 45°.
293.5 - 293.75	0.25	Chloritic zone, schistose, minor pyrite - pyrrhotite.
293.75 - 296.5	2.75	Same as 126.0 - 217.5, minor calcite stringers.

DIAMOND DRILL HOLE
J-10/1 E.

(3)

<u>Interval</u>	<u>Feet</u>	<u>Description</u>
296.5 - 298.5	2.0	Chloritic carbonate zone.
298.5 - 321.0	22.5	Same as 126.5 - 217.5. Core angle 55°.
321.0 - 347.0	26.0	Fine to medium grained diorite -, quartz diorite with disseminated sulfides 332.5 - 334.0'.
347.0 - 377.5	30.5	Same as 126.5 - 217.5 but with chloritized shear zones with minor pyrite and pyrrhotite. Core angle 45°.
337.5 - 378.0	0.5	Medium grained diorite.
378.0 - 383.0	5.0	Same as 126.0 - 217.5'.
383.0 - 385.5	2.5	Strong carbonate zone - carries disseminated pyrite.
385.5 - 430.0	44.5	Medium grained diorite, chloritized shear planes.
430.0 - 481.0	51.0	Fine to medium grained calcic, thinly bedded altered sediments - minor pyrite at 469.0. Rock becomes gneissic in appearance 470.0 - 481.0' and carries thin pyrrhotite stringers. Core angle: 45°.
..... End Of Hole		


Wm. B. Blakeman, Geologist.

DIAMOND DRILL HOLE
J-10 / 2 E.

LOCATED AT 3+50 S / 4+00 E BEARING N 45° E at 65°

<u>Interval</u>	<u>Feet</u>	<u>Description</u>
0.0 - 7.0	7.0	Casing.
7.0 - 15.0	8.5	Fine grained, very thinly bedded altered sediment or ash, minor banded pyrite, pyrrhotite and chloritic shear planes - shearing parallel to bedding. Core angle: 30°.
15.5 - 26.5	11.0	Graphite with banded and nodular pyrite, quartz stringers. Core angle: 30°.
26.5 - 28.0	1.5	Medium grained grey, altered sediment, disseminated pyrite.
28.0 - 30.0	2.0	Hard, fine grained graphite with minor disseminated pyrite.
30.0 - 30.5	0.5	Same as 26.5 - 28.0'.
30.5 - 44.0	13.5	Graphite, strong pyrite mineralization, minor calcite stringers. Core angle: 30°.
44.0 - 55.0	11.0	Fine grained, thinly bedded grey sediments, with thinly banded pyrite, quartz calcite, chlorite and serpentine. Core angle: 15 - 20°.
55.0 - 58.0	3.0	Graphite, minor bands of pyrite and carbonate.
58.0 - 62.0	4.0	Fine grained thinly bedded altered sediments, minor thinly banded pyrite, quartz and calcite stringers, graphite at 60.5 - 60.75'. Core angle: 15°.

DIAMOND DRILL HOLE
J-10 / 2 E

(2)


<u>Interval</u>	<u>Feet</u>	<u>Description</u>
62.0 - 166.5	104.5	Dark, fine grained, quartz, bearing altered sediments with banded and disseminated pyrite and pyrrhotite, chloritic shear faces parallel to bedding, minor carbonate stringers, becomes massive almost dioritic 70.0 - 76.0, quartz-feldspar vein with minor disseminated pyrite at 139.2 - Core angle: 25°.
166.5 - 168.5	2.0	Graphite, with minor banded quartz and pyrite.
168.5 - 209.5	41.0	Banded medium to fine grained grey altered sediments with chloritized shear planes parallel to bedding, almost massive 175.0 - 192.0', schistose 192.0 - 209.5', sheared and serpentized zones 182.0 - 197.0'
209.5 - 210.0	0.5	Contorted, very fine grained, dark carbonaceous sediments, minor banded (parallel to folding) pyrite, pyrrhotite and flecks of chalcopyrite.
210.0 - 211.5	1.5	Serpentized - chloritized altered sediments.
211.5 - 213.0	1.5	Carbonate (calcite) zone, minor disseminated pyrite.
213.0 - 215.0	2.0	Thinly bedded carbonates with chloritized-serpentized shears bearing minor pyrite and pyrrhotite.
215.0 - 216.5	1.5	Serpentine.
216.5 - 217.0	0.5	Graphite.

DIAMOND DRILL HOLE
J-10 / 2 E

(3)

<u>Interval</u>	<u>Feet</u>	<u>Description</u>
217.0 - 221.0	4.0	Banded fine grained carbonaceous altered sediments with disseminated pyrite and pyrrhotite.
221.0 - 222.0	1.0	Graphite - disseminated pyrite and pyrrhotite.
220.0 - 224.0	2.0	Altered sediments, fine grained, grey - calcite stringers, slightly graphitic, graphitic zone has thinly banded sulfides. Core angle: 20°.
224.0 - 288.0	64.0	Very fine grained, soft, grey, thinly banded altered sediments, chloritic and steatitic, calcite stringers. Core angle: 15 - 20°.
288.0 - 288.5	0.5	Quartz rich zone (standstone ?), minor calcite and chlorite and disseminated pyrite.
288.5 - 306.5	18.00	Same as 224.0 - 288.0' with very minor disseminated sulfides.
306.5 - 310.0	3.5	Medium grained quartz - feldspar-chlorite in heterogeneous arrangement (salt and pepper appearance).
310.0 - 330.0	20.0	Same as 224.0 - 288.0' but slightly more steatitic.
330.0 - 338.5	8.5	Same as 306.5 - 310.0'.
338.5 - 375.0	36.5	Same as 224.0 - 288.0'. Quartz vein at 352.5 - 353.4', very minor disseminated pyrite. Core angle: 40°.

..... End Of Hole



Wm. B. Blakeman
Geologist.

DIAMOND DRILL HOLE
J-10 / 3 E.

LOCATED AT 1+75S / 2+00E BEARING DUE NORTH AT 60°


<u>Interval</u>	<u>Feet</u>	<u>Description</u>
0.0 - 14.0	14.0	Casing.
14.0 - 97.0	83.0	Schistose altered sediments (gray-wackes?) bearing biotite, calcite, muscovite and minor disseminated pyrite, suggested bedding. Core angle: 5°.
97.0 - 98.5	1.5	Fracture zone - filled with quartz, fragments of altered sediment and disseminated pyrite.
98.5 - 115.0	16.5	Gabbro, with chloritized shear planes at 30°.
115.0 - 120.0	5.0	Diorite. Sheared at 10 - 15° shear; carries minor sulfide mineralization.
120.0 - 139.0	19.0	Same as 14.0 - 97.0'.
139.0 - 198.5	59.5	Diorite with disseminated pyrite, grades to gabbro around 198.5', sheared at 30°.
198.5 - 205.0	6.5	Quartz-biotite (gneiss ?) with strong disseminated pyrite and pyrrhotite.
205.0 - 211.5	6.5	Andesite, minor disseminated pyrite.
211.5 - 212.5	1.0	Quartz zone (quartzite ?) with minor disseminated sulfide.
212.5 - 219.5	7.0	Andesite, with thinly banded pyrite on shear planes.
219.5 - 238.0	18.5	Graphite, with bands of calcite and pyrite of 45° to core axis.

DIAMOND DRILL HOLE
J-10/3 E.

(2)

<u>Interval</u>	<u>Feet</u>	<u>Description</u>
238.0 - 242.0	4.0	Epidotized diorite.
242.0 - 250.0	8.0	Graphite with serpentinized shear planes. Stringer of epidotized diorite at 247.0 - 248.0'. Core angle: 20°.
250.0 - 255.0	5.0	Strongly banded pyrite and pyrrhotite and minor chalcopyrite in a diorite host.
255.0 - 284.5	3.1	Basalt, minor disseminated pyrite.
284.5 - 290.5	6.0	Apparent shear zone in basalt, with strong pyrite mineralization.
290.5 - 293.0	2.5	Breccia zone, containing fragmented quartz, feldspar and epidote, plus pyrite-pyrrhotite mineralization.
293.0 - 301.0	8.0	Fracture zone, chloritized sepeptine with minor disseminated pyrite.
301.0 - 306.0	5.0	Quartz-diorite, minor disseminated pyrite and pyrrhotite.
306.0 - 310.5	4.5	Massive pyrite, pyrrhotite and minor chalcopyrite in a graphitic host.
310.5 - 322.0	11.5	Diorite, minor disseminated pyrite, pyrrhotite and epidote.
322.0 - 326.5	4.5	Banded graphite, pyrite and pyrrhotite. Core angle: 10°.
326.5 - 327.0	0.5	Quartz-diorite.

..... End Of Hole


Wm. B. Blakeman,
Geologist.

DIAMOND DRILL HOLE
J-10 / 4 E.

LOCATED AT 7+00S / 4+00E BEARING N35° E AT 55°

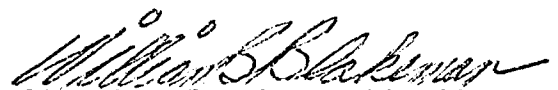
<u>Interval</u>	<u>Feet</u>	<u>Description</u>
0.0 - 11.0	11.0	Casing.
11.0 - 35.0	24.0	Gabbro, limonitic (rusty) stain on fracture faces.
35.0 - 50.0	15.0	Light grey, very fine grained, thinly banded volcanics (ash and tuff) with minor disseminated pyrite.
50.0 - 56.0	6.0	Diorite.
56.0 - 60.0	4.0	Rhyolite, with disseminated and banded pyrite. Core angle: 20°.
60.0 - 75.0	15.0	Graphite schist with disseminated pyrite.
75.0 - 100.0	25.0	Fine grained, light grey volcanics. Core angle: 20 - 25°.
100.0 - 102.0	2.0	Graphite schist.
102.0 - 125.0	23.0	Same as 75.0 - 100.0'. Core angle: 20°.
125.0 - 156.5	31.5	Fine grained, finely banded grey volcanics with minor disseminated pyrite. Core angle: 125 - 146, 20°; 146 - 149, parallel; 149 - 156.5, 10°.
156.5 - 159.0	2.5	Coarse grained, massive steatite - serpentine zone.
159.0 - 174.0	40.0	Same as 75.0 - 100.0. Core angle: 20°.
174.5 - 176.5	2.5	Diorite.
176.5 - 216.5	40.0	Altered sediments (tuffs ?), micaceous zones parallel to bedding carry epidote and disseminated pyrite. Core angle: 25°.

DIAMOND DRILL HOLE
J-10 / 4 E

(2)

<u>Interval</u>	<u>Feet</u>	<u>Description</u>
216.5 - 253.0	36.5	Coarse grained quartz-biotite-chlorite gneiss, contorted, serpentized shears carry minor pyrite and pyrrhotite.
253.0 - 255.0	2.0	Diorite, terminated by a narrow quartz vein at top and bottom.
255.0 - 300.0	45.0	Medium-fine grained, thinly interbedded volcanics and (sediments ?) with quartzose zones. Very minor disseminated pyrite and pyrrhotite. Core angle: 20°.

..... End Of Hole



Wm. B. Blakeman,
Geologist.

DIAMOND DRILL HOLE
J-10 / 5- E

LOCATED AT 8+50S / 7+00E BEARING DUE NORTH AT 60°

<u>Interval</u>	<u>Feet</u>	<u>Description</u>
0.0 - 6.0	6.0	Casing.
6.0 - 23.5	17.5	Fine grained, thinly banded altered sediments (tuff ?), with disseminated pyrite-pyrrhotite and minor chalcopyrite. Chloritized and serpentinized shear planes parallel to bedding. Core angle: 30°.
23.5 - 25.0	1.5	Massive sulfides, predominantly pyrrhotite.
25.0 - 34.0	9.0	Diorite, sheared parallel to core axis.
34.0 - 43.0	9.0	Strongly disseminated and massive pyrite and pyrrhotite in a dioritic host.
43.0 - 50.0	7.0	Steatite, banded, bearing disseminated sulfides, core angle: 15°.
50.0 - 98.5	48.5	Fine grained, thinly bedded (?) light grey, altered sediments or tuffs, with minor banded and disseminated sulfides. Core angle: 20 - 25°.
98.5 - 102.0	3.5	Medium grained diorite, with strong disseminated pyrite.
102.0 - 128.0	26.0	Same as 50.0 - 98.5', with disseminated pyrite and pyrrhotite, shear planes carry biotite, muscovite and chlorite, zone cut by stringers of fine to medium grained diorite, bearing minor disseminated sulfides. Core angle: 20 - 30°.
128.0 - 128.5	0.5	Greenstone with strong pyrite mineralization.

DIAMOND DRILL HOLE
J-10 / 5- E

(2)

<u>Interval</u>	<u>Feet</u>	<u>Description</u>
128.5 - 131.5	3.0	Same as 50 - 98.5. Core angle: 40 - 50°.
131.5 - 132.0	0.5	Diorite.
132.0 - 133.5	1.5	Greenstone, strong pyrite mineralization.
133.5 - 137.5	4.0	Same as 50.0 - 98.5. Shears serpentinitized, shearing parallel to 'bedding'. Core angle: 40°.
137.5 - 147.0	9.5	Diorite, with minor disseminated sulfides.
147.0 - 176.5	29.5	Fine grained altered sediments or tuffs, with minor zones of steatite and minor calcite stringers, and minor disseminated sulfides. Core angle: 20°.
176.5 - 187.5	11.0	Fine grained, dense, basalt.
187.5 - 200.0	12.5	Fine grained, thinly bedded grey altered sediments or tuffs with quartz, chlorite, calcite and sulfides; minor brecciated zone contains strong pyrite mineralization.
200.0 - 227.0	27.0	Fine grained, thinly bedded altered sediments or tuffs (ash ?) with epidotized serpentinitized shear planes and several steatitic zones. Also carries banded and massive sulfides from 217.5 - 227.0'.
227.0 - 231.0	4.0	Banded pyrite and pyrrhotite in a cherty host. Core angle: 20°.
231.0 - 234.5	3.5	Steatite, with disseminated sulfides.
234.5 - 237.0	2.5	Granodiorite dike, cut by veinlets of pyrite at 20° to core axis.
237.0 - 248.0	11.0	Same as 200.0 - 227.0. Core angle: 25°.

DIAMOND DRILL HOLE
J-10 / 5- E

(3)

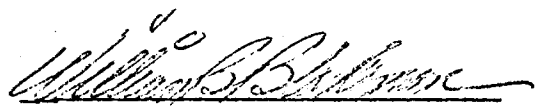
<u>Interval</u>	<u>Feet</u>	<u>Description</u>
248.0 - 271.0	23.0	Dense black very fine grained basalt, trace of banding or cleavage at 15° to core axis.
271.0 - 296.0	25.0	Quartz-calcite stringers associated with chloritic bands, and disseminated and banded pyrite and pyrrhotite. Core angle: 20 - 25°.
296.0 - 308.0	12.0	Chert with biotite and chlorite stringers and minor disseminated and banded sulfide, and epidotized shear planes at 15° to core axis.
308.0 - 315.0	7.0	Very fine grained, thinly banded, hard 'dry' graphite with veinlets of quartz and calcite, and disseminated pyrite and pyrrhotite. Core angle: 15 - 20°.
315.0 - 334.0	19.0	Coarse, soft graphite with disseminated and banded pyrite and pyrrhotite. Shear planes serpentized and chloritized. Core angle: 0 - 15°.
334.0 - 359.0	25.0	Graphitic shale, with minor pyrite, pyrrhotite and flecks of chalcopyrite. Core angle: 15 - 20°.
359.0 - 360.0	1.0	Sheared diorite with minor disseminated sulfides.
360.0 - 441.5	81.5	Hard graphitic shale with minor disseminated sulfides, brecciated zone at 417.0 - 418.0'.
441.5 - 448.5	7.0	Medium - fine grained diorite with disseminated sulfides.
448.5 - 462.0	13.5	Same as 360.0 - 441.5'. Core angle: 25 - 30°.

DIAMOND DRILL HOLE
J-10/5-E

(4)

<u>Interval</u>	<u>Feet</u>	<u>Description</u>
462.0 - 464.0	2.0	Same as 441.5 - 448.5'.
464.0 - 464.5	0.5	Graphitic shale.
464.5 - 481.0	16.5	Same as 441.0 - 448.0'.

..... End Of Hole


Wm. B. Blakeman, Geologist.

DIAMOND DRILL HOLE
J-10/6 - E

LOCATED AT 4+25S / 10+00E BEARING DUE SOUTH AT 45°

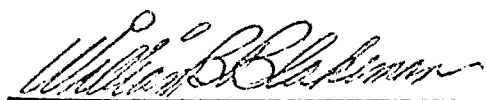
<u>Interval</u>	<u>Feet</u>	<u>Description</u>
0.0 - 38.0	38.0	Casing.
38.0 - 53.0	15.0	Very fine grained, thinly bedded cherty sediments with chloritized shear planes and minor disseminated pyrite.
53.0 - 97.0	44.0	Granodiorite with minor disseminated pyrite.
97.0 - 107.0	10.0	Graphite, with disseminated pyrite.
107.0 - 112.0	5.0	Diorite with disseminated pyrite.
112.0 - 118.5	6.5	Graphite with disseminated pyrite, ground core 113.0 - 114.0, 116.0 - 117.0.
118.5 - 130.5	12.0	Fine grained, thinly bedded sediments or ash with chloritized and serpentinized shear faces. Core angle: 60°.
130.5 - 132.0	1.5	Thin interbedded graphite and calcite with thinly banded pyrite.
132.0 - 156.5	24.5	Same as 118.5 - 130.5', slightly stronger mineralization and minor chalcopyrite present. Very strong pyrite-pyrrhotite at 140.0 - 141.0'.
156.6 - 157.5	1.0	Graphite interbedded with calcite, with minor disseminated pyrite. Core angle: 60°.
157.5 - 161.0	3.5	Same as 118.5 - 130.5'.
161.0 - 167.5	6.5	Fine grained graphite with disseminated and nodular pyrite. Zone cut by quartz and calcite stringers. Core angle: 60°.

DIAMOND DRILL HOLE
J-10/6 - E

(2)

<u>Interval</u>	<u>Feet</u>	<u>Description</u>
167.5 - 171.5	4.0	Same as 118.0 - 130.5'.
171.5 - 172.5	1.0	Graphite.
172.5 - 214.0	41.5	Same as 118.5 - 130.5', with scattered quartz - rich, and cherty zones.
214.0 - 214.5	0.5	Graphite and pyrite. Core angle: 55°.
214.5 - 246.0	31.5	Same as 172.5 - 214.0'.
246.0 - 248.0	2.0	Steatite.
248.0 - 249.0	1.0	Greenstone.
249.0 - 253.5	4.5	Same as 118.5 - 130.5' but without mineralization.
253.5 - 288.0	34.5	Coarse to medium grained dense serpentine, with minor quartz and calcite stringers. Strong calcite zones 274.0 - 274.5, 275.0 - 276.0'. Core angle: 45°.
288.0 - 305.5	17.5	Greenstone, with minor pyrite along shear faces.
305.5 - 317.5	12.0	Same as 118.5 - 130.5'. Core angle: 30°.
317.5 - 321.0	3.5	Steatite.

..... End Of Hole



Wm. B. Blakeman, Geologist.

DIAMOND DRILL HOLE
J-10/7-E

LOCATED AT 0+35S/3+00E BEARING DUE SOUTH AT 70°

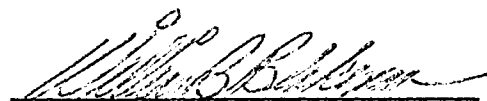
<u>Interval</u>	<u>Feet</u>	<u>Description</u>
0.0 - 54.0	54.0	Casing.
54.0 - 71.5	17.5	Fine grained, thinly banded graphitic sediments.
71.5 - 74.0	2.5	Graphite, with minor disseminated sulfides.
74.0 - 112.0	38.0	Fine grained, thinly bedded sediments or tuffs, with quartzose and cherty zones.
112.0 - 130.0	18.0	Very fine grained, soft, carbonaceous sediments, with major chloritic and steatitic zones and minor disseminated pyrite. Core angle: 30°.
130.0 - 143.0	13.0	Graphitic shale, sheared and "mashed", veinlets of pyrite parallel to cleavage, Core angle: 40°.
143.0 - 156.0	13.0	Very fine grained calcitic altered sediments.
156.0 - 177.0	11.0	Medium-fine grained gabbro.
177.0 - 191.0	14.0	Medium-fine grained, grey, calcite sediments, chloritized and serpentized shear faces, minor disseminated pyrite. Core angle: 35 - 40°.
191.0 - 211.0	20.0	Very fine grained, thinly bedded, dense "dry" graphite. Thin seams of pyrite, minor chalcopyrite and calcite on shear faces which are parallel to bedding. Core angle: 60°.
221.0 - 215.0	4.0	Chloritic (schist ?) with quartz stringers and minor disseminated pyrite and pyrrhotite.

DIAMOND DRILL HOLE
J-10 / 7 - E

(2)

<u>Interval</u>	<u>Feet</u>	<u>Description</u>
215.0 - 224.0	9.0	Medium-fine grained gabbro.
224.0 - 273.0	49.0	Medium-coarse grained granodiorite. Preferred orientation of crystals appears to be 50 - 60° to core axis.
273.0 - 280.0	7.0	Quartz-chlorite gneiss; foliation at 30 - 40° to core axis.
280.0 - 285.5	5.5	Diorite with minor disseminated pyrite.
285.5 - 298.5	13.0	Calcite-chlorite schist with quartz stringers and epidotized shear faces and minor disseminated pyrite. Foliation at 30 - 40° to core axis.
298.5 - 316.5	18.0	Medium to coarse grained quartz-chlorite gneiss. Core angle: 50°.
316.5 - 321.0	4.5	Greenstone with pyrite on shear faces.
321.0 - 325.0	4.0	Same as 298.5 - 316.5'.
325.0 - 358.5	33.5	Medium-coarse grained granodiorite.
358.5 - 405.0	46.5	Chlorite-calcite schist, minor pyrite, pyrrhotite and very minor chalcopyrite. Core angle: 40°.

..... End Of Hole


Wm. B. Blakeman, Geologist.

Canadian Javelin Limited

SAMPLE INTERVALS

AND

ASSAY RESULTS

Diamond Drill Holes 1 W to 7 W.

West Section J - 10, Edwards Township

Assay by: Swastika Laboratories
Swastika, Ontario.

HOLE NO. 1 - W

<u>Sample No.</u>	<u>Interval</u>	<u>Au.</u>	<u>Ag.</u>	<u>Cu.</u>	<u>Zn.</u>	<u>Ni.</u>
5101	62.0 - 66.3	Nil	0.03	0.11	0.03	None
5102	66.3 - 70.0	Nil	Nil	0.04	0.04	None
5103	70.0 - 75.0	Nil	Nil	0.05	Tr.	None

HOLE NO. 2 - W

5104	43.0 - 47.25	Nil	Nil	0.05	None	None
5105	78.0 - 80.0	Nil	Nil	0.03	0.06	None
5106	84.0 - 87.0	Nil	Nil	0.02	Tr.	None
5107	87.0 - 90.5	Nil	Nil	0.14	None	None
5108	90.5 - 94.5	Nil	Nil	0.04	None	None
5109	94.5 - 99.0	Nil	Nil	0.04	None	None
5110	108.0 - 113.0	Nil	Nil	0.06	0.02	None
5111	133.5 - 138.0	Nil	Nil	0.23	None	None
5112	150.0 - 153.0	0.005	0.03	0.36	None	None

HOLE NO. 3 - W

<u>Sample No.</u>	<u>Interval</u>	<u>Au.</u>	<u>Ag.</u>	<u>Cu.</u>	<u>Zn.</u>	<u>Ni.</u>
5113	125.0 - 127.0	0.005	0.05	0.04	None	None
5114	127.0 - 128.0	Nil	Nil	0.03	None	None
5115	128.0 - 136.0	Nil	Nil	0.04	None	None
5116	136.0 - 137.0	Nil	Nil	0.05	None	None
5117	250.0 - 253.0	Nil	Nil	0.18	None	None
5118	255.0 - 256.8	Nil	Nil	0.06	None	None
5119	256.8 - 261.0	0.01	Nil	0.57	None	None
5120	261.0 - 263.7	Nil	Nil	0.03	None	None
5121	265.0 - 266.6	Nil	Nil	0.03	None	None
5122	267.0 - 267.7	0.005	Nil	0.02	-	-
5123	269.0 - 270.3	Nil	Nil	0.04	-	-
5124	271.0 - 271.9	Nil	Nil	0.07	None	None
5125	273.8 - 275.25	Nil	Nil	0.07	None	None
5126	276.1 - 278.0	0.005	Nil	0.27	None	None
5127	282.8 - 283.6	Nil	0.03	0.05	None	None
5128	285.0 - 288.0	Nil	Nil	0.05	None	None

Canadian Pacific Limited

HOLE NO. 4 - W

<u>Sample No.</u>	<u>Interval</u>	<u>Au.</u>	<u>Ag.</u>	<u>Cu.</u>	<u>Zn.</u>	<u>Ni.</u>
5129	120.0 - 125	Nil	Nil	0.03	None	None
5130	220.0 - 221.5	Nil	Nil	0.27	None	None
5131	221.5 - 223.0	Nil	Nil	0.02	None	None
5132	236.8 - 241.0	Nil	Nil	0.55	None	None
5133	241.0 - 246.0	Nil	Nil	0.06	None	None
5134	246.0 - 251.0	Nil	Nil	0.04	None	None
5135	251.0 - 256.6	Nil	Nil	0.03	None	None
5136	256.6 - 258.2	Nil	Nil	0.11	Tr.	None
5137	258.2 - 260.2	Nil	Nil	0.05	None	None
5138	260.2 - 262.0	Nil	Nil	0.03	None	None
5139	262.0 - 266.0	Nil	0.03	0.02	None	None
5140	317.5 - 318.4	Nil	Nil	0.05	None	None
5141	286.2 - 286.8	Nil	Nil	0.06	None	None

HOLE NO. 5 - W

----- Not Sampled -----

HOLE NO. 6 - W

<u>Sample No.</u>	<u>Interval</u>	<u>Au.</u>	<u>Ag.</u>	<u>Cu.</u>	<u>Zn.</u>	<u>Ni.</u>
5185	100.0 - 105.0	Nil	.03	.02	.08	None
5186	106.0 - 110.2	Nil	Nil	.03	.14	Tr.

HOLE NO. 7 - W

<u>Sample No.</u>	<u>Interval</u>	<u>Au.</u>	<u>Ag.</u>	<u>Cu.</u>	<u>Zn.</u>	<u>Ni.</u>
5187	111.0 - 112.8	Nil	Nil	.04	Tr.	None
5188	117.8 - 123.9	Nil	.03	.03	.03	None
5189	123.9 - 129.5	Nil	.03	.03	Tr.	None
<u>5190</u>	129.5 - 131.8	Nil	.02	.01	None	None
5151	131.8 - 136.8	Nil	.05	.02	None	None
5152	150.0 - 154.8	Nil	.05	.03	.04	None
5153	155.0 - 159.0	.005	.01	.03	.06	None
5154	224.5 - 226.7	Nil	.03	.03	0.10	.02
5155	226.8 - 230.7	Nil	.04	.02	.06	Tr.
5156	230.7 - 234.3	Nil	.03	.02	.04	None
5157	234.3 - 236.0	Nil	Nil	.02	.04	None
5158	236.0 - 239.3	Nil	.04	.03	.06	None
5159	240.3 - 245.4	Nil	Nil	.03	.08	None
<u>5160</u>	245.7 - 250.0	Nil	.03	.01	None	None
5191	250.0 - 253.6	Nil	Nil	.02	None	None

Canadian Pacific Limited

Hole No. 1 - E Not sampled

Hole No. 2 - E Not sampled

Hole No. 4 - E Not sampled

Hole No. 6 - E Not sampled

Hole No. 7 - E Not sampled

HOLE NO. 3 E

<u>Sample No.</u>	<u>Interval</u>	<u>Au.</u>	<u>Ag.</u>	<u>Cu</u>	<u>Zn.</u>	<u>Ni.</u>
5162	250.0 - 255.3	Nil	.03	.04	Nil	.08
5163	275.0 - 284.5	Nil	Nil	.03	.08	.19
5164	284.5 - 290.7	Nil	.03	.04	None	.09
5165	290.7 - 293.0	Nil	.02	.04	.05	.19
5166	293.0 - 301.0	Nil	.03	.04	Tr.	.11
5167	301.0 - 306.0	Nil	Nil	.05	.16	.03
5168	306.0 - 310.5	Nil	Nil	.03	.02	.14
5169	322.0 - 326.5	Nil	Nil	.03	.02	.13

HOLE NO. 5 - E

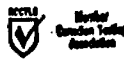
<u>Sample No.</u>	<u>Interval</u>	<u>Au.</u>	<u>Ag.</u>	<u>Cu.</u>	<u>Zn.</u>	<u>Ni.</u>
5150	5.0 - 10.0	Nil	Nil	.04	None	0.12
5161	10.0 - 16.0	Nil	Nil	.03	Tr.	.08
5142	16.0 - 22.5	Nil	.04	.05	None	.08
5143	22.5 - 25.0	Nil	Nil	.03	.08	.19
5144	28.0 - 31.0	Nil	Nil	.03	.03	.09
5145	31.0 - 33.9	Nil	Nil	.01	.05	.13
5146	33.9 - 38.0	Nil	.03	.02	Tr.	.11
5147	38.0 - 41.2	Nil	Nil	.05	.03	.16
5148	41.2 - 45.0	Nil	.03	.13	.02	.14
<u>5149</u>	69.8 - 71.8	Nil	Nil	.04	.02	.13
5170	74.3 - 77.3	Nil	.03	.03	.02	.11
5171	77.3 - 80.2	Nil	Nil	.04	Not	.11
5172	90.8 - 94.3	Nil	Nil	.04	run	.11
5173	94.3 - 98.2	Nil	.03	.04	for Zn.	.04

cont'd - 2

HOLE NO. 5 - E

(2)

<u>Sample No.</u>	<u>Interval</u>	<u>Au.</u>	<u>Ag.</u>	<u>Cu.</u>	<u>Zn.</u>	<u>Ni.</u>
5174	187.5 - 191.0	Nil	.03	.04		.01
5175	191.0 - 195.0	Nil	Nil	.04	Not	.03
5176	195.0 - 200.0	Nil	Nil	.04	run	.03
5177	200.0 - 205.0	Nil	Nil	.03	for	.04
5178	205.0 - 210.0	Nil	Nil	.04	Zn.	.04
5179	217.5 - 221.9	Nil	.04	.04		.09
5181	221.9 - 226.9	Nil	.03	.03		.10
5182	226.9 - 231.0	Nil	Nil	.04		.03
5183	304.0 - 308.0	Nil	.08	.03		.13
5184	310.0 - 315.0	Nil	.21	.05		.09



Swastika, Ont., July 9, 1964. 19

SWASTIKA LABORATORIES LIMITED

Certificate of Analysis

No. 36236

We have assayed thirteen samples of split core

Received July 8, 1964. and submitted by Canadian Javelin Limited.

with the following results:

Sample No.	Gold per ton Ozs. Value @ \$35.00	Silver Ozs.	Copper %	Nickel %	Zinc %
5129	N 11	Nil	0.03	None	None
5130	Nil	Nil	0.27	None	None
5131	Nil	Nil	0.02	None	None
5132	Nil	Nil	0.55	None	None
5133	Nil	Nil	0.06	None	None
5134	Nil	Nil	0.04	None	None
5135	Nil	Nil	0.03	None	None
5136	Nil	Nil	0.11	Trace	None
5137	Nil	Nil	0.05	None	None
5138	Nil	Nil	0.03	None	None
5139	Nil	0.03	0.02	None	None
5140	Nil	Nil	0.05	None	None
5141	Nil	Nil	0.06	None	None

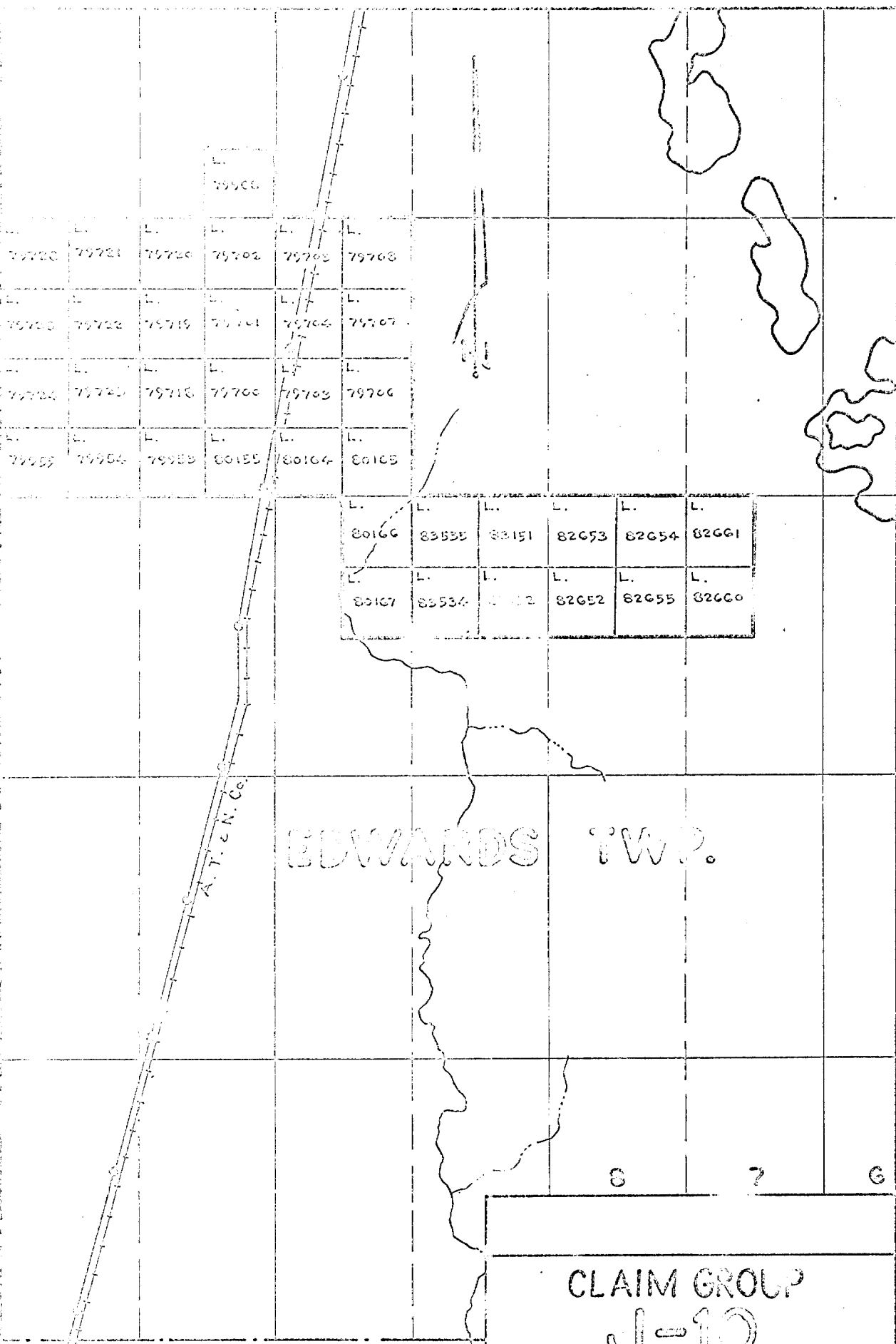
SWASTIKA LABORATORIES LIMITED,

per: *D.C. Kerr-Lawson*

RECEIVED
JUL 11 1964
CANADIAN JAVELIN LTD.

In accordance with long-established North American custom, unless it is specifically stated otherwise gold and silver values reported on these sheets have not been adjusted to compensate for losses and gains inherent in the fire assay process.

Map of Twp. H



EDWARDS TWP.

A.T. & N. Co.

TWP. H

8 7 6

CLAIM GROUP

J-10

EDWARDS TWP. ONT.

NOTE: This Claim Group is Composed of the J-1, J-2 and M-1 Claim Groups

SCALE 1" = 1/2 MILE	DATE MAY 1965	No
DWG. LEO D.	APP.	FILE

Swastika, Ont., June 24, 1964

SWASTIKA LABORATORIES LIMITED

Certificate of Analysis

No. 36178

We have assayed twelve samples of split core,

Received June 23/64 and submitted by Canadian Javelin Limited,

per W. Blakeman, Esq., with the following results:

Sample No.	Gold per ton Ozs. Value @ \$35.00	Silver Ozs.	Copper %	Zinc %	Nickel %
5101	Nil -	0.03	0.11	0.03	None
02	Nil -	Nil	0.04	0.04	None
03	Nil -	Nil	0.05	Trace	None
04	Nil -	Nil	0.05	None	None
05	Nil -	Nil	0.03	0.06	None
06	Nil -	Nil	0.02	Trace	None
07	Nil -	Nil	0.14	None	None
08	Nil -	Nil	0.04	None	None
09	Nil -	Nil	0.04	None	None
5110	Nil -	Nil	0.06	0.02	None
11	Nil -	Nil	0.23	None	None
12	0.005 \$0.17	0.03	0.36	None	None

SWASTIKA LABORATORIES LIMITED.

Per : *W. Gerrie*

Swastika, Ont., July 7, 1964.

SWASTIKA LABORATORIES LIMITED

Certificate of Analysis

No. 36226

We have assayed sixteen samples of split core.

Received July 4/64 and submitted by Canadian Javelin Limited,

per W. Blakeman, Esq., with the following results:

Sample No.	Ozs.	Value @ \$35.00	Silver Ozs.	Copper %	Nickel %	Zinc %
5113	0.005	\$0.17	0.05	0.04	None	None
14	Nil	-	Nil	0.03	None	None
15	Nil	-	Nil	0.04	None	None
16	Nil	-	Nil	0.05	None	None
17	Nil	-	Nil	0.18	None	None
18	Nil	-	Nil	0.06	None	None
19	0.01	\$0.35	Nil	0.57	None	None
5120	Nil	-	Nil	0.03	None	None
21	Nil	-	Nil	0.03	None	None
22	0.005	\$0.17	Nil	0.02		
23	Nil	-	Nil	0.04		
24	Nil	-	Nil	0.07	None	None
25	Nil	-	Nil	0.07	None	None
26	0.005	\$0.17	Nil	0.27	None	None
27	Nil	-	0.03	0.05	None	None
28	Nil	-	Nil	0.05	None	None

SWASTIKA LABORATORIES LIMITED,

Per: *W. Gerrie*

In accordance with long-established North American custom, unless it is specifically stated otherwise gold and silver values reported on these sheets have not been adjusted to compensate for losses and gains inherent in the fire assay process.

Swastika, Ont., Aug. 10, 1964. 19

SWASTIKA LABORATORIES LIMITED

Certificate of Analysis

No. 36347

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 AUG 12 02:10
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We have assayed seventeen samples of split core **CANADIAN JAVELIN LTD.**

Received Aug. 7, 1964. and submitted by Canadian Javelin Limited.

with the following results:

Sample No.	Gold per ton Ozs. Value @ \$35.00	Silver Ozs.	Copper %	Nickel %	Zinc %	
5151	Nil	-	0.05	0.02	None	None
5152	Nil	-	0.05	0.03	None	0.04
5153	0.005	\$0.17	0.01	0.03	None	0.06
5154	Nil	-	0.03	0.03	0.02	0.10
5155	Nil	-	0.04	0.02	Trace	0.06
5156	Nil	-	0.03	0.02	None	0.04
5157	Nil	-	Nil	0.02	None	0.04
5158	Nil	-	0.04	0.03	None	0.06
5159	Nil	-	Nil	0.03	None	0.08
5160	Nil	-	0.03	0.01	None	None
5185	Nil	-	0.03	0.02	None	0.08
5186	Nil	-	Nil	0.03	Trace	0.14
5187	Nil	-	Nil	0.04	None	Trace
5188	Nil	-	0.03	0.03	None	0.03
5189	Nil	-	0.03	0.03	None	Trace
5190	Nil	-	0.02	0.01	None	None
5191	Nil	-	Nil	0.02	None	None

SWASTIKA LABORATORIES LIMITED,

per: *D. C. Ferr-Lawson*

Swastika, Ont., July 29, 1964. 19

SWASTIKA LABORATORIES LIMITED

Certificate of Analysis

No. 36303

We have assayed twenty-five samples of split core and ore

Received July 29, 1964 and submitted by Canadian Javelin Limited.

with the following results:

Sample No.	Gold per ton Ozs. Value @ \$35.00	Silver Ozs.	Copper %	Nickel %	Zinc %	Lead %
5150 ✓	Nil	-	Nil	0.04	0.12	None
5161 ✓	Nil	-	Nil	0.03	0.08	Trace
5162 ✓	Nil	-	0.03	0.04	0.08	None
5163 ✓	Nil	-	Nil	0.04	0.19	0.08
5164 ✓	Nil	-	0.03	0.04	0.09	0.03
5165 ✓	Nil	-	0.02	0.04	0.13	0.05
5166 ✓	Nil	-	0.03	0.04	0.11	Trace
5167 ✓	Nil	-	Nil	0.05	0.16	0.03
5168 ✓	Nil	-	Nil	0.03	0.14	0.02
5169 ✓	Nil	-	Nil	0.03	0.13	0.02
5170 ✓	Nil	-	0.03	0.03	0.11	0.02
5171 ✓	Nil	-	Nil	0.04	0.11	-
5172 ✓	Nil	-	Nil	0.04	0.11	-
5173 ✓	Nil	-	0.03	0.04	0.04	-
5174 ✓	Nil	-	0.03	0.04	0.01	-
5175 ✓	Nil	-	Nil	0.04	0.03	-
5176 ✓	Nil	-	Nil	0.04	0.03	-
5177 ✓	Nil	-	Nil	0.03	0.04	-
5178 ✓	Nil	-	Nil	0.04	0.04	-
5179 ✓	Nil	-	0.04	0.04	0.09	-
5180 ✓	0.81	\$28.35 -	4.29 -	0.08	-	None 0.01
5181 ✓	Nil	-	0.03	0.03	0.10	-
5182 ✓	Nil	-	Nil	0.04	0.03	-
5183 ✓	Nil	-	0.08	0.03	0.13	-
5184 ✓	Nil	-	0.21	0.05	0.09	-

SWASTIKA LABORATORIES LIMITED,

per: *J. C. Lawson*

Swastika, Ont., July 20, 1964, 19

SWASTIKA LABORATORIES LIMITED

Certificate of Analysis

No. 36276

We have assayed eight samples of split core

Received July 18, 1964 and submitted by Canadian Javelin Limited

with the following results:

Sample No.	Gold per ton8 Ozs. Value @ \$35.00	Silver Ozs.	Copper %	Nickel %	Zinc %
5142 ✓	Nil	0.04	0.05	0.51	0.14
5143 ✓	Nil	Nil	0.03	0.15	None
5144 ✓	Nil	Nil	0.03	0.20	None
5145 ✓	Nil	Nil	0.01	0.19	Trace
5146 ✓	Nil	0.03	0.02	0.16	Trace
5147 ✓	Nil	Nil	0.05	0.05	0.04
5148 ✓	Nil	0.03	0.13	0.10	0.14
5149 ✓	Nil	Nil	0.04	0.02	0.08

SWASTIKA LABORATORIES LIMITED,

per: *D. C. Kerr-Lawson*

RECEIVED
JUL 23 1964
CANADIAN JAVELIN LTD.