006965

DIAMOND DRILL HOLE LOG
THE ARGONAUT MINING CO. LTD.

Hole No. 1 Property: Willes Anomaly

Coordinates: 9083N - 5033 Bearing Vertical

Start: Oct. 14, 1953 Complete: Dip: Collar Elev: 3014

Footage	RECOVERY Core %	RECOVERY Sludge	ASSAYS Sludge Fe	ASSAYS Sludge S	ASSAYS ½ Core Fe	ASSAYS ½ Core S	ELEVATIONS From	ELEVATIONS To	CORE SIZE AX	DESCRIPTION
0-7									Fe_3O_4	
7-9	75									Volcanics
9-12	65									Volcanics
12-17	90									Volcanics
17-17½	75									Volcanics
17½ - 20	20									Volcanics, some magnetite & sulfides
20-20½	100				32.2	3.66			14.5	Volcanics, some pyrite
20½-21½	100									Volcanics, some pyrite
21½-22½	100									Magnetite
22½-23	100									Volcanics
23-25	100									Magnetite
25-25½	70				49.1	6.995			32.3	Volcanics
25½-26½	70									Magnetite
26½-27	70									Volcanics
27-31½	100				50.6	5.451	(27-30½)		53.8	Magnetite, Considerable pyrite
31½-34	90									Volcanics, some pyritex chalcopyrite
34-35½	90				34.7	0.657			26.4	Volcanics, some pyritex chalcopyrite
35½-40	80									Some Magnetite
40-65	80									Volcanics
65-120	55									Volcanics with Calcite veinlets
	End of hole at 120'.									

DIAMOND DRILL HOLE LOG
THE ARGONAUT MINING CO. LTD.

Area 2 - West of Upper Quinsam L.

Hole No. 14

Property: Willes Anomaly

Coordinates: 8987N 5140W

Unsold E&N land

Bearing

± 100,000 tons ore

Start:

Complete:

Dip: Vertical

Collar Elev: 2995

Footage	RECOVERY Core %	RECOVERY Sludge	ASSAYS Sludge Fe	ASSAYS Sludge S	ASSAYS % Core Fe	ASSAYS % Core S	ELEVATIONS From	ELEVATIONS To	CORE SIZE	DESCRIPTION
0-4	100									Volcanics
4-5	100									"
5-10	50									"
10-23	38									"
23-25	25									"
25-30	100									"
30-40	100									"
40-43	85									"
43-48	100				92F025					"
48-52	100									"
52-56	100									"
56-62	100									"
62-66	100									"
66-70	100									"
70-79	100									"
79-88	100									"
88-98	100									"
98-101	100									"
101-106	100									"
106-112	83									"
112-115	100									"
115-126	95									"
126-133	71									"
133-141	100									

PROPERTY FILE

DIAMOND DRILL HOLE LOG
THE ARGONAUT MINING CO. LTD.

Hole No. 14 (sheet #2)

Property:

Coordinates:

Bearing

Start:

Complete:

Dip:

Collar Elev.

Footage	RECOVERY Core	RECOVERY Sludge	ASSAYS Sludge Fe	ASSAYS Sludge S	ASSAYS ½ Core Fe	ASSAYS ½ Core S	ELEVATIONS From	ELEVATIONS To	CORE SIZE	DESCRIPTION
141-153	90									Volcanics
153-158	100									"
158-162	100									"
162-171	100									"
171-180	100									"
180-185	100									"
185-194.5	95									"
194.5-204	100									"
204-212	100									"
212-222	100									"
222-233	91									"
233-243	100									"
243-250	100									"
250-255	100									"
255-262	72									"
262-273	91									"
273-275	58									"

No iron was found in this hole.

DIAMOND DRILL HOLE LOG
THE ARGONAUT MINING CO. LTD.

Hole No. 13 Date: Property: Willes Anomaly

Coordinates: 9233N 5030W Bearing

Start: Complete: Dip: Vertical Collar Elev: 3038

Footage	RECOVERY Core	RECOVERY Sludge	ASSAYS Sludge Fe	ASSAYS Sludge S	ASSAYS ½ Core Fe	ASSAYS ½ Core S	ELEVATIONS From	ELEVATIONS To	CORE SIZE AX Fe304	DESCRIPTION
0-16	80									Crystalline limestone
16-21	100									Volcanics
21-29	100									Crystalline limestone
29-33	100									Quartz, linestone and garnet
33-35	100									Volcanics
35-36	100				32.8	0.216			18.2	Magnetite and volcanics
36-37	100									Volcanics
37-38	100									Magnetite and volcanics
38-39½	100						this core was lost			Garnetite and volcanics
39½-44	80						in accident with			Magnetite-garnetite
44-163	100						pack animals			Volcanics
163-188	90									Volcanics with slaty appearance,
188-291	100									Volcanics
291-294	100									Diorite

DIAMOND DRILL HOLE LOG
THE ARGONAUT MINING CO. LTD.

Hole No. 12 Property: Willes Anomaly

Coordinates: 9295N-5210W Bearing

Start: Nov. 3, 1953 Complete: Dip: Vertical Collar Elev: 3025

Footage	RECOVERY Core %	RECOVERY Sludge	ASSAYS Sludge Fe	ASSAYS Sludge S	ASSAYS ½ Core Fe	ASSAYS ½ Core S	ELEVATIONS From	ELEVATIONS To	CORE SIZE	DESCRIPTION
0-1										Casing - Volcanics
1-5	100									Volcanics
5-10	50									Volcanics, minor sulfides at 10'.
10-11	100									Magnetite (minor)
11-16	30									Magnetite and Volcanics
16-21	100									Volcanics.
21-48	80									Volcanics.

DIAMOND DRILL HOLE LOG
THE ARGONAUT MINING CO. LTD.

Hole No. 11 Property: Willes Anomaly

Coordinates: 9125N 5040W Bearing

Start: Oct. 31, 1953 Complete: Dip: Vertical Collar Elev: 3030

Footage	RECOVERY Core	RECOVERY Sludge	ASSAYS Sludge Fe	ASSAYS Sludge S	ASSAYS ½ Core Fe	ASSAYS ½ Core S	ELEVATIONS From	½ Core P.	½ Core Insol	CORE SIZE AX Fe3O4	DESCRIPTION
0-5	100				55.0(est)						Magnetite, low sulfides.
5-10	70				37.1	0.434				16.4	Volcanics, magnetite from 9'.
10-15	80				29.8	0.284				20.4	Magnetite to 12, then volcanics.
15-20	100				26.5	2.315				19.6	Magnetite veinlets in Volcanics; Veinlets are parallel to core, grades into Volcanics at 19 with pyrite and chalcopyrite.
20-25	95				37.1	0.328		0.037	24.95	26.3	Same as 15-20, sulfides at 22, then volcanics, garnetite 22-23, magnetite 23-25. Sulfur should be low.
25-30	100				56.6	2.70	(25-28')	0.035	8.22	65.0	Magnetite 25-30, high in sulfides 25-26 moderate sulfides 26-30
30-35	100				37.9	1.55	(31-38')			27.7	Volcanics to 32, then garnetite-magnetite.
35-40	100										Magnetite-garnetite to 37, then volcanics.
40-45	100										Volcanics
45-50	100										Volcanics
50-55	100										Volcanics
55-60	100										"
60-65	100										"
65-70	95										"
70-75	85										"
75-80	100										"
80-85	100										"
85-90	100										"
90-95	100										"
95-100	85										"
100-105	25										"

DIAMOND DRILL HOLE LOG
THE ARGONAUT MINING CO. LTD.

Hole No. 10

Coordinates: 8860N 5140W

Property: Willes Anomaly

Bearing

Start: Oct. 29, 1953

Complete:

Dip: Vertical

Collar Elev: 2990

Footage	RECOVERY Core	RECOVERY Sludge	ASSAYS Sludge Fe	ASSAYS Sludge S	ASSAYS ½ Core Fe	ASSAYS ½ Core S	ELEVATIONS From	ELEVATIONS To	Phos.	Insol	CORE SIZE	DESCRIPTION
0-2												Weathered garnetite.
2-5												Garnetite.
5-10					20.1	0.76	(8-13')		0.035	30.91	4.2	Garnetite, volcanics from 6', very broken 8-10.
10-15					58.6	0.781	(13-15')		.030	11.35	63.0	Volcanics, very broken at 12½: magnetite from 13.3'.
15-20					52.6	4.52			.034	12.22	46.9	Magnetite to 16, then magnetite-garnetite.
20-25												Garnetite to 20.5, then volcanics
25-35												Volcanics.

DIAMOND DRILL HOLE LOG
THE ARGONAUT MINING CO. LTD.

Hole No. 9 Property: Willes Anomaly

Coordinates: 8770N - 5205W Bearing

Start: Oct. 29, 1953 Complete: Oct. 29, 1953 Dip: Vertical Collar Elev: 2981

Footage	RECOVERY Core %	RECOVERY Sludge	ASSAYS Sludge Fe	ASSAYS Sludge S	ASSAYS ½ Core Fe	ASSAYS ½ Core S	ELEVATIONS From	ELEVATIONS To	CORE SIZE	DESCRIPTION
0-5										Magnetite, some sulfides.
5-10	90									" " "
10-15	100									" " "
15-20	90									Volcanics
20-24	90									Magnetite
24-27	90									Some magneite, volcanics & garnetite.
27-47	80									Volcanics
47-48	100									Diorite
48-63	100									Volcanics
		End of hole at 63'.								
		Core from this hole was scattered in pack animal accident - not recovered.								

DIAMOND DRILL HOLE LOG
THE ARGONAUT MINING CO. LTD.

Hole No. 8 | Property: Willes Anomaly

Coordinates: 8639N 5187W | Bearing

Start: Oct. 27, 1953 | Complete: | Dip: Vertical | Collar Elev: 2954

Footage	RECOVERY Core %	RECOVERY Sludge	ASSAYS Sludge Fe	ASSAYS Sludge S	ASSAYS ½ Core Fe	ASSAYS ½ Core S	ELEVATIONS From	ELEVATIONS To	CORE SIZE	DESCRIPTION
0-3	-									
3-5	100				65.2	7.075				Magnetite, garnetite & sulfides
5-8	100				48.7	0.76				Magnetite
8-13	100				62.4	3.59				"
13-17	100				65.1	5.19				"
17-21	50				47.3	2.051				" to 18½, then volcanics.
21-28	100									Volcanics, altered diorite from 26'
28-31	90									Diorite from 28.
31-36	50									Diorite

DIAMOND DRILL HOLE LOG
THE ARGONAUT MINING CO. LTD.

Hole No. 7

Property: Willes Anomaly

Coordinates: 8713N 5320W

Bearing

Start:

Complete:

Dip: Vertical

Collar Elev: 2952

Footage	RECOVERY Core %	RECOVERY Sludge	ASSAYS Sludge Fe	ASSAYS Sludge S	ASSAYS ½ Core Fe	ASSAYS ½ Core S	ELEVATIONS From	ELEVATIONS To	CORE SIZE	DESCRIPTION
0-2	0									Volcanics
2-5	100									"
5-10	100									"
10-15	90									"
15-16	100									"
16-22	35									"
22-27	80				57.6	2.10				Magnetite 17-22'
27-29	75									Volcanics
29-32	50									"
32-37	100									"
37-44	100									"
44-49	100									"
49-55	85									"
55-57	50									"
57-58	100									"

DIAMOND DRILL HOLE LOG
THE ARGONAUT MINING CO. LTD.

Hole No. 6

Property: Willes Anomaly

Coordinates: 8800N 5278W

Bearing

Start: Oct. 23, 1953.

Complete:

Dip: Vertical

Collar Elev: 2972

Footage	RECOVERY Core %	RECOVERY Sludge	ASSAYS Sludge Fe	ASSAYS Sludge S	ASSAYS ½ Core Fe	ASSAYS ½ Core S	ELEVATIONS From	ELEVATIONS To	CORE SIZE	DESCRIPTION
0-1½	80									Broken Magnetite
1½-5½	100				59.7	3.71				Magnetite
5½-13	100									Volcanics
13-19½	100				62.4	7.38				Magnetite - much pyrrhotite.
19½-23	100									Volcanics
23-29	100				60.47	5.15				Magnetite with pyrrhotite.
29-32	100									Volcanics
32-33	100				54.5	0.71				Magnetite - some pyrite.
33-35	100									Garnetite.
35-38	100									Volcanics
38-126	100									

DIAMOND DRILL HOLE LOG
THE ARGONAUT MINING CO. LTD.

Hole No. 5

Property: Willes Anomaly

Coordinates: 8874N - 5217W

Bearing

Start: Oct. 21, 1953

Completes

Dip: Vertical

Collar Elev: 2988

Footage	RECOVERY Core	RECOVERY Sludge	ASSAYS Sludge Fe	ASSAYS Sludge S	ASSAYS ½ Core Fe	ASSAYS ½ Core S	ELEVATIONS From	½ Core Phos.	½ Core insol.	CORE SIZE AX Fe_3O_4	DESCRIPTION
0-5			66.8	1.89	66.1	1.89		.022	3.69	81.4	Magnetite
5-10			65.0	12.93	63.4	11.29		.032	2.64	49.3	Magnetite, high pyrrhotite from 8.
10-15					66.3	1.428		.022	2.08	68.3	Magnetite, high pyrrhotite, mag. from 12'.
15-20			68.6	3.96	66.4	2.095				62.2	Magnetite, some pyrrhotite.
20-25			67.1	4.17	65.6	4.78				64.1	Magnetite, some pyrrhotite.
25-30			60.5	11.31	50.2	9.14				43.6	Magnetite-garnetite, high pyrrhotite 27-29
30-35					36.2	6.15	(footage 30-32)			24.5	Mag-garnetite to 32, then garnetite.
35-40											Garnetite.
40-50											Slightly garnetized volcanics.
50-144											Volcanics to end of hole @ 144

DIAMOND DRILL HOLE LOG
THE ARGONAUT MINING CO. LTD.

Hole No. 4

Property: Willes Anomaly

Coordinates: 9181 N 5117 W

Bearing

Start: Oct. 19, 1953

Complete:

Dip: Vertical

Collar Elev: 3032

Footage	RECOVERY Core %	RECOVERY Sludge	ASSAYS Sludge Fe	ASSAYS Sludge S	ASSAYS ½ Core Fe	ASSAYS ½ Core S	ELEVATIONS From	ELEVATIONS To	CORE SIZE	DESCRIPTION
0-5	0									Volcanics
5-7	70									"
7-9	70									"
9-10	65									"
10-14	100									"
14-17	80									"
17-22	60									"
22-24½	40									"
24½-30	15									"
30-31	10									"
31-32	85									"
32-34	70									"
34-36	100									" , resembles diorite.
36-41	100									Diorite
41-42	100									Volcanics
42-47	100									"
47-53	85									"
53-57	100									"
57-62	90									"
62-65	100									"
65-70	100									"
70-75	100									"
75-76½	100									Volcanics, some pyrite.

DIAMOND DRILL HOLE LOG
THE ARGONAUT MINING CO. LTD.

Hole No. 4 (cont'd)

Property: Willes Anomaly

Coordinates:

Bearing

Start:

Complete:

Dip:

Collar Elev:

Footage	RECOVERY Core	RECOVERY Sludge	ASSAYS Sludge Fe	ASSAYS Sludge S	ASSAYS ½ Core Fe	ASSAYS ½ Core S	ELEVATIONS From	ELEVATIONS To	CORE SIZE	DESCRIPTION
76½ - 78	100									Volcanics
78-82	100									Volcanics
82-85	100									Volcanics
85-90	100									Volcanics
90-93	100									Volcanics

Note: No iron was found in this hole; no samples were assayed.

DIAMOND DRILL HOLE LOG
THE ARGONAUT MINING CO. LTD.

Hole No. 3 Property: Willes Anomaly

Coordinates: 9096 N 5247 W Bearing

Start: Oct. 18, 1954 Complete: Oct. 19, 1954 Dip: Vertical Collar Elev: 3013

Footage	RECOVERY Core %	RECOVERY Sludge	ASSAYS Sludge Fe	ASSAYS Sludge S	ASSAYS ½ Core Fe	ASSAYS ½ Core S	ELEVATIONS From	ELEVATIONS To	CORE SIZE % Fe_3O_4	DESCRIPTION
0-5	80				59.9	11.92	Zero to 8' and 8' to 14'		53.4	Magnetite
5-10	100									Magnetite and sulfides
10-15	100				50.6	11.79			52.7	Magnetite, high pyrrhotite content
15-20	100									Volcanics from 14'.
20-25	100									Volcanics
25-30	100									Volcanics
30-35	100									Volcanics
35-40	100									Volcanics
40-45	90									Volcanics
45-50	60									Volcanics
50-55	90									Volcanics
55-60	100									Volcanics, minor sulfides (pyrite)
60-61	100									Diorite

Note: Samples were not assayed unless magnetite was present. Pyrrhotite was assayed for nickel and cobalt; these elements were found not to be present.

DIAMOND DRILL HOLE LOG
THE ARGONAUT MINING CO. LTD.

Hole No. 2 Property: Willes Anomaly

Coordinates: 9091N-5037W Bearing N28°W

Start: Complete: Dip: Minus 45° Collar Elev: 3017 ± 1

Footage	RECOVERY Core	RECOVERY Sludge	ASSAYS Sludge Fe	ASSAYS Sludge S	ASSAYS ½ Core Fe	ASSAYS ½ Core S	ELEVATIONS From	ELEVATIONS To	CORE SIZE AX	DESCRIPTION
0-5									%Fe_3O_4	Volcanics
5-10										Volcanics
10-15										Volcanics
15-20					10.8	0.147	(15-21')		Trace	Volcanics
20-25										Volcanics
25-30					18.6	1.902	(24-29')		3.8	Volcanics, pyrite 27-28'
30-35										Volcanics
35-40										Volcanics, trace magnetite, 33-38
40-45										Volcanics
45-50										Volcanics
50-55										Volcanics
55-60										Volcanics
60-65										Volcanics, pyrite 59-67
65-70					11.9	2.250	(62-67')		Trace	Volcanics
70-75										Volcanics
75-80										Volcanics
80-85										Volcanics
85-90					16.0	1.992	(87-92')		7.7	Volcanics, calcite veinlets 87-90
90-95										Volcanics
95-100					24.8	2.122	(92-97')		16.2	Volcanics
100-105										Volcanics
105-110										Volcanics
110-115										Volcanics
115-120										Volcanics
120-129		End at 129								Volcanics