

GM 68521

SUMMARY OF THE TECHNICAL DATA ON BEACON I AND BEACON II ORE ZONES

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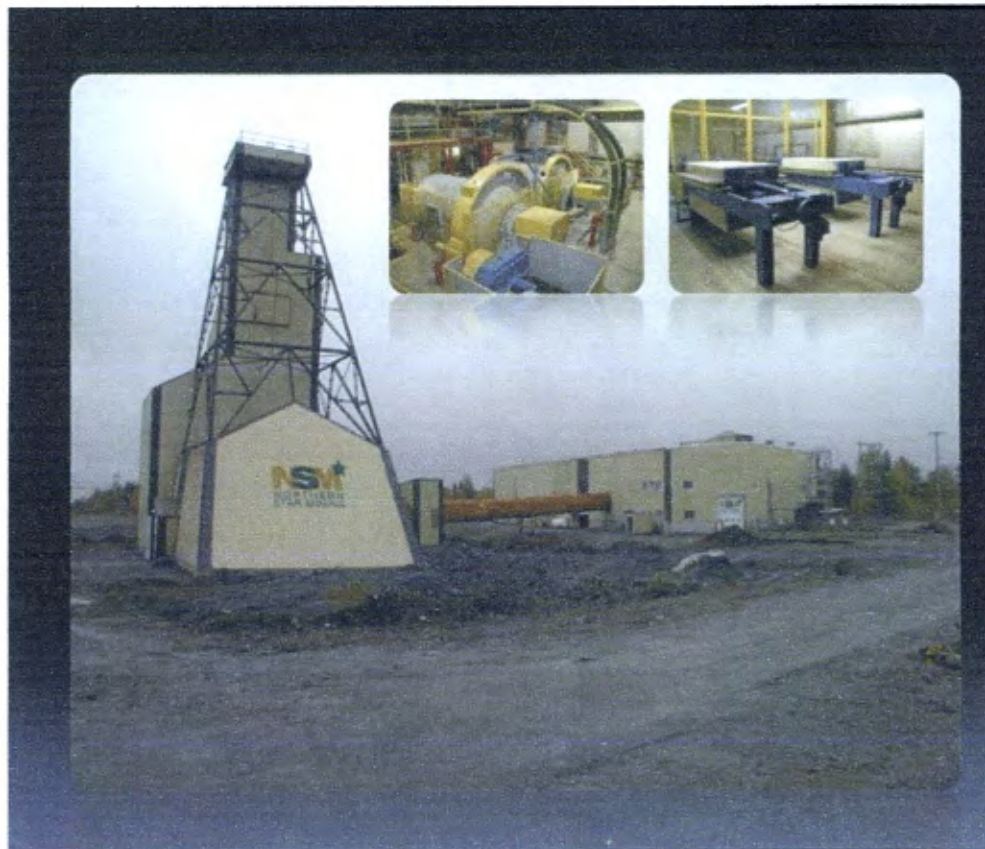
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Énergie et Ressources
naturelles

Québec 

Summary of the “technical data” on
“Beacon I” and “Beacon II” ore zones
Louvicourt Township, Val d’Or area, Quebec
For
9265-9911 Quebec Inc.



Chibougamau; September 12th, 2014

GM 68521

Claude P. Larouche, *ing.*

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Appendix 1: List of diamond drill holes on the property and the immediate area (in progress)

Summary

The present report is intended to evaluate the status of the "technical data" available within the public domain for the Beacon I and Beacon II mineralized zones where limited gold production was achieved during the period of 1984 to 1988 and again in 2005.

The mining property is located in Louvicourt Township at approximately 15 kilometers east of the city of Val d'Or, Northwestern Québec. The present mining property covers the core portion of the original D'Or Val Mines Limited who actively explored and developed the area during the period of 1980 to 1990. The property is now comprised of one mining concession (C.M. 0356 PTB A) and 10 claims of irregular size and shape (former mining concession B.M. 772). CANMET share part of the infrastructure on the mining concession (restriction # 11020).

Over the years, since 1940, significant surface diamond drilling has been completed on the mining property. Several gold zones on the property under study and one copper zone just south of the property have been discovered. There are presently 3 shafts and 2 declines present on the mining claims. The old Leroy Shaft and Beacon II decline are located on mining concession CM 356 PTB A; the new Beacon II shaft is located on claim CDC 2174511 along the south boundary. The old Beacon Shaft # 1 and more recent Beacon I decline are located on claim CDC 2174513 in the north east corner of the property under study.

An operative 750 ton per day mill is also under care and maintenance on the property along with permitted tailings ponds.

The original gold discovery on the claims (Leroy vein) dates back to 1930. An exploration shaft was sunk in 1931. During 1934-1935, Newroy Gold Mines (a re-organization of Leroy) continued drifting and completed 4,000 feet of diamond drilling. An additional 12,066 feet of drilling was completed in 1936. In 1939, McIntyre optioned the claims and executed 11,000 feet of drilling in the vicinity of the Leroy vein. Teck Exploration Company Ltd carried out 46,000 feet of drilling on the property and surrounding claims during the period of 1940 – 1941 and they incorporated the company "Beacon Mining Company". A further 25,000 feet of drilling lead to the discovery of the Beacon I gold zone about 5,150 feet NE of the Leroy shaft. A shaft Beacon I was sunk to a depth of 420 feet with development on 4 levels.

Just south of the claims, two narrow bands of copper – zinc mineralization were drilled in 1951 (12,000 feet) and again in 1968 to 1969 when a drilling campaign totalling 22,084 feet tested geophysical conductors on the property and surrounding claims. SOQUEM also carried out drilling on this massive sulphide zone in 1971-1972.

In 1979 historical resources of 37,000 tons grading 0.60 opt Au had been reported on the Beacon I structure and some 10,000 tons grading 0.20 opt Au on the Leroy shaft structure.

Beacon Mining Company was amalgamated with Highland Crow Resources Ltd in 1977. In 1979, D'Or Val Mines Ltd optioned the property.

D'Or Val Mines completed significant surface drilling during the period of 1980 – 1981 which permitted the locating of a series of parallel sub-vertical shear zones hosting gold-mineralized quartz-carbonate-tourmaline-pyrite veins in the area of the original Leroy vein. Horizontal quartz-carbonate-pyrite-chalcopyrite (no tourmaline) veins were intersected by drilling and were later confirmed by the underground workings.

In 1981 a decline was completed to access the mineralization at Beacon I. The decline was 370 meters long and attained a vertical depth of -90 meters. During the same year a second ramp was initiated to access the newly discovered gold mineralization (Discovery Vein), north of the Leroy shaft. The ramp was completed in 1984 for a length of 1025 meters and attained a vertical depth of -170 meters. Development on the Discovery vein was completed on 4 levels.

Later the Leroy Shaft became the Beacon II shaft until a new shaft (some 200 m east and 300 m further north) was sunk in 1987 to a depth of 486.3 m. The old levels at -70 m, -110 m, -130 m and -170 m were incorporated to the new shaft and additional levels were developed at -240 m, -300 m, -360 m and the deepest level at -430 m.

At the end of 1984, 20,320 short tons of development ore were stockpiled at surface and some 16,560 tons were custom milled, returning an average grade of 0.088 opt Au. Construction of a concentrator followed in 1987, and the processing of 120,502 tons of development muck from May 1987 to May 1988. A grade of 2.41 g/t Au from the development muck has been reported.

In 1987, historical resources of 493,800 tons grading 7.20 g/t Au were published in the Beacon II shaft area and 6,300 tons grading 13.03 g/t Au in the Beacon I shaft area. Also some 137,062 tonnes were processed with a recovery grade of 2.5 to 3.0 g/t Au.

In 1988 was the creation of Mines Aurizon Ltée following the amalgamation of the assets of Perron Gold Mines (Beaufor) and Mines D'Or Val (Beacon I and Beacon II). In 1989, closing of the mine occurred due to economic conditions (low grade ore?).

1998 saw the drilling of 20 surface drill holes at Beacon I and 12 underground drill holes at Beacon II. In 1999 additional drilling (1,732 linear meters) was completed at Beacon I, Beacon

II, and Callahan which is located outside the limits of the present property (to the NW). In 2000, 5 drill holes were completed to the SW of Beacon I for 1,122 linear meters.

In 2001 Raymor Industries Inc purchased the infrastructures along with the Beacon I and Beacon II zones, while the Callahan, Railroad (Au- Cu) zone along with other zones were dealt to another company (Aur Resources Inc.).

Ressources Jake Inc, a private company controlled by Legault Métal, acquired the assets in 2004. In 2004, an additional 12 holes (1,319 m) were drilled in the area of the Discovery and Eureka veins. In 2005, 12 underground drill holes were completed on the Discovery Vein. MRB & Associates (M. Bourgoïn) completed a resources estimate on the Discovery Vein (historical resources of 40,280 tons grading 9.68 g/t Au). Extraction of 6,500 tonnes was completed which were processed through the mill and returned about 2.5 g/t Au (L. Lafrance personal communication).

In September 2006, Northern Star purchased the control of Jake Ressources Inc. from Legault Metal Inc.

The property is located along the southern contact of the Bourlamaque Batholith in contact with volcanic rocks. In the general area this contact is very favorable for the discovery of gold mineralization of economic interest.

To date, the gold values intersected by drilling, the chip sampling underground and the results of numerous bulk samples all point to a fairly strong "nugget effect" in assaying the gold mineralization encountered on the property.

A large part of the more recent drilling and assaying completed on the property is not available within the Ministry assessment work files. It is strongly recommended to locate, if possible, all of the pertinent information and complete the "technical evaluation" of the property.

The grade of the gold mineralization appears to be 2.5 g/t to 3.0 g/t and in order to be economic these grades require significant width of continuous mineralization or numerous structures very close to each other. A possible target to consider at depth is the intersection of the north dipping massive sulphide horizon with the sub-vertical gold bearing structures (?).

Introduction

The present report summarizes the status of the public "technical data" available for the "Beacon" mining property. 3 shafts are present on the property along with 2 declines and 750 tons per day mill which can easily be upgraded. The "technical report" is also required to satisfy the requirements of assessment work on the mining claims.

A recent visit of the mill permitted to locate geological data (maps and drill logs). The present report will identify the "technical information" available in the public domain and will make recommendations (if necessary) to safeguard pertinent information which is not available within the public domain as the property is available for option.

The assessment work files available on GESTIM have been carefully compiled.

The entire drill core present on the property was destroyed around 2007 (L. Lachance personal communication).

Location and Access

The claim group is located within Range VII & VIII, in the western part of Louvicourt Township about 15 kilometers east of the city of Val d'Or, and about 1.0 km north of highway #117, in Northwestern Quebec. C.N. railroad crosses the south east corner of the property.

The access is relatively easy all year around.

The topography is rather flat with locally abundant bedrock outcropping. A thin veneer of sand & gravel is present in the northern part of the claims.

The old Leroy Shaft is located at UTM co-ordinates Zone 18: 308999E / 5330284 N (48°05'49.81" latitude, -77°33'55.46" longitude) on mining concession 356 PTB A.

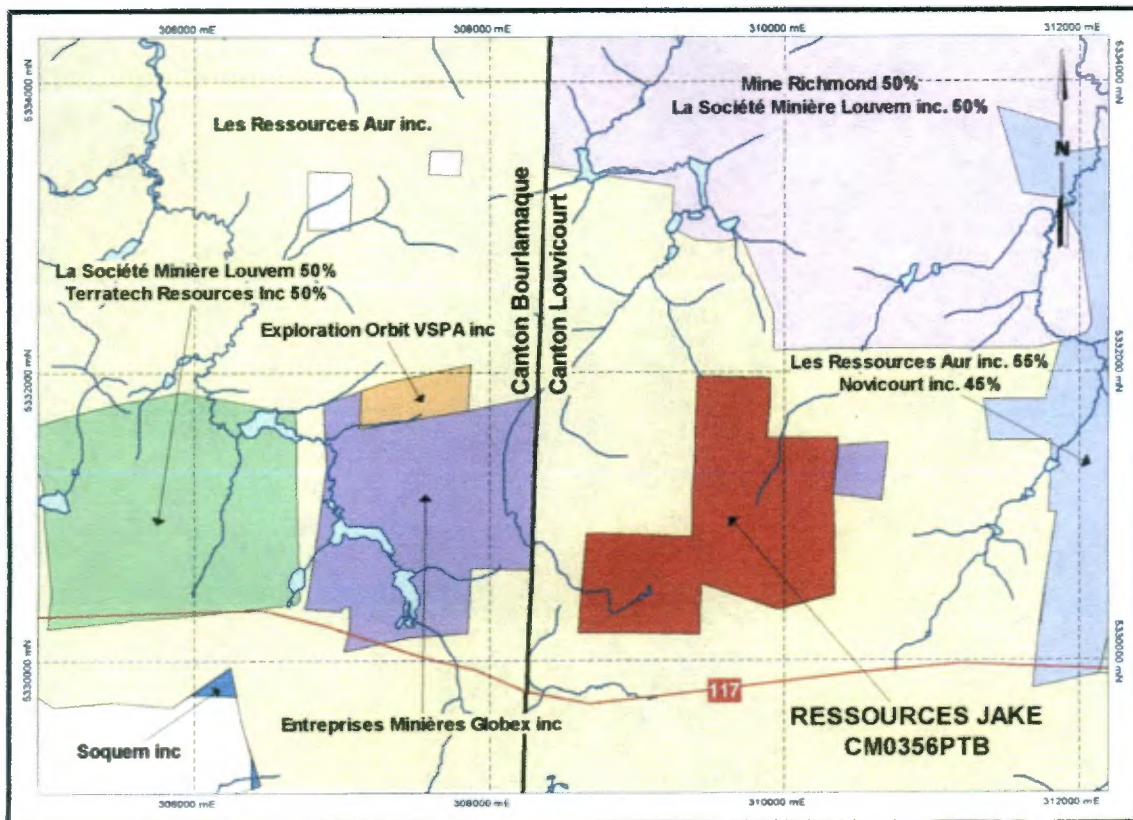
The beacon I shaft is located on claim CDC 2174513, at UTM co-ordinates Zone 18: 310258 E / 5331265 N (48°06'22.90" latitude, -77°32'56.217" longitude).

The entry of the decline probing the Beacon I mineralization is located about 85 meters east of the Beacon I shaft, very close to the eastern property boundary.

The new Beacon II shaft is located at approximately UTM Zone 18: 309210 E / 5330599 N (48°06'00.25" latitude, -77° 33' 45.76" longitude) along the south boundary of claim CDC 2174511.

The entry of the decline probing the Beacon II mineralization is located at UTM co-ordinates Zone 18: 309112 E / 5330382 N (48°05'53.12" latitude, -77°33'5014" longitude) and is also present on the mining concession and extend on the claims to the north.

Figure 1: Location Map



Claims

The present mining property is comprised of a mining concession along with 10 map-staked claims of irregular shape and superficies.

Table 1: List of Claims + mining concession

	Claim #	Ha	Due Date	fees	Work requirement
1	CDC 2174510	0,71	2014 / 11 / 18	\$ 28.00	\$ 500.
2	CDC 2174511	22,75	2014 / 11 / 18	\$ 28.00	\$ 500.
3	CDC 2174512	23,45	2014 / 11 / 18	\$ 28.00	\$ 500.
4	CDC 2174513	5,48	2014 / 11 / 18	\$ 28.00	\$ 500.
5	CDC 2175511	8,01	2014 / 12 / 09	\$ 28.00	\$ 500.
6	CDC 2175512	16,24	2014 / 12 / 09	\$ 28.00	\$ 500.
7	CDC 2175513	1,01	2014 / 12 / 09	\$ 28.00	\$ 500.
8	CDC 2175514	7,37	2014 / 12 / 09	\$ 28.00	\$ 500.
9	CDC 2184751	0,91	2014 / 11 / 18	\$ 28.00	\$ 500.
10	CDC 2184752	1,54	2014 / 11 / 18	\$ 28.00	\$ 500.
11	CM 356 PTB	92,65	2015 / 01 / 31		

Figure 2: Sketch of Claims



The mining concession has been active since 1947 but the claims have been map-staked in 2008 (October – November) in order to cover mining concession B.M. 772 which lapsed.

History of the BEACON property

Originally the mining property covered the Beacon I (Au), Beacon II (Au), Zone Callahan (Au) and Zone Railroad (VMS). Now only the Beacon I and Beacon II remain within the limits of the property. It also appears that the northern part of the claims was also covered by a mining concession which lapsed and the area was re-staked as claims.

A considerable amount of exploratory and development work has been completed by previous holders of the mining property being studied. Besides significant programs of diamond drilling, two vertical shafts with considerable lateral work have been completed on the Beacon and Leroy zones

- 1930-1931 The group of claims was explored intermittently since 1930. Gold was first discovered (in 1930) in the Leroy Vein (Georges Bussieres). The vein was traced for 1000 feet on surface and the following year, a vertical 2-compartment shaft was sunk to a depth of 269 feet with completion of 500 feet of drifting.
- 1933 The property reverted back to Buissière and associates who optioned the ground to Maple Leaf Mines Limited. A new company was formed.
- 1934-1935 Newroy Gold Mines Ltd continued drifting and underground sampling as well as 4000 feet of drilling.
- 1936 An additional 12,066 feet of drilling was completed.
- 1939 McIntyre Porcupine Mines Ltd drilled 11,000 feet in the vicinity of the Leroy Vein.
- 1940-1941 Teck Exploration Company Ltd drilled 46,000 feet on the property and surrounding claims. At that time the Leroy Shaft was dewatered, the drifts were re-sampled and further drifting was completed on the second level (1200 feet).
- 1941 Beacon Mining Company was incorporated by Teck Exploration Company.
- 1947 A further 25,000 feet of drilling lead to the discovery of the Beacon 1 gold Zone, 5,150 feet north-east of the original Leroy shaft (Beacon II).
- 1949-1950 Beacon I shaft was sunk to a depth of 420 feet. Four levels at 100 foot intervals were developed. The total amount of underground development at Beacon I is 1,730 feet (without the shaft).

- 1951 The south portion of the claims was drilled, 12,000 feet. Two narrow bands of copper-zinc mineralization were found within the volcanics.
- 1968 Geophysical surveys completed following the Louvem copper-zinc discovery on the adjacent property, to the East.
- 1968-1969 A diamond drilling campaign totalling 22,804 feet was completed, testing the geophysical anomalies. This resulted in the discovery of a small copper deposit, corresponding to anomaly "E". A second zone, situated 1200 feet to the south west of anomaly "E" gave copper sections as high as 1.80% copper over 26 feet in drill core.
- 1971-1972 SOQUEM obtained an option on the property and in 1972 drilled 11 holes (11,500 feet) along the presumed extensions of the LOUVEM mineralization onto the southeastern part of the property.
- 1977 Beacon Mining Company was amalgated with Highland Crow Resources Ltd.
- 1979 In 1979, D'Or Val Mines Ltd optioned the property from Highland Resources Ltd.

D'Or Val Mines worked the property during the period of 1979 to 1988. Mines D'Or Val completed exploration and development on the claims, geophysical surveys, diamond drilling, de-watering existing shaft and finally completed 2 exploration declines. An estimated 137,062 tons of development muck was milled. The earlier development muck were custom milled and after the construction of the mill, a total of 120,502 tons of development muck was processed through the newly constructed mill.

- 1980 Electromagnetic Survey
- 1980 4 ddh (V-1 to V-4) were completed on the Beacon Zone. The drilling was undertaken to confirm previous intersections. Gold values in the drilling program ranged from nil to 0.70 opt Au over core length of 3.5 feet.
- 1981 Six holes totalling 4,456 feet were completed in the vicinity of the southeast corner of the property to test the favourable horizons for copper – zinc mineralization similar to those of LOUVEM.
- 1981 4 vertical drill holes (VV-1 to VV-4) were complete. A 25 foot quartz – tourmaline vein with low gold values was intersected in holes VV-4 and VV-1 at depths of 665 feet and 680 feet respectively.

1981 A decline to mine the Beacon I gold bearing quartz vein in the northeast corner of the property, was started in april 1981 to be completed in August 1981. The length of this ramp is 370 meters and it attained a vertical depth of 90 meters. Four drawpoints with raises were made at the 90 meter level.

1980-1984 From September 1980 to June 1981 52 holes totalling 22,666 linear feet were drilled mainly north of the Leroy shaft (Beacon II). These resulted in the discovery of new gold-bearing shear zones. A second ramp was started in July 1981 to gain access to the new Discovery vein and other gold bearing structures situated north of the old Leroy workings. Advances by stage, the ramp is now 1,025 meters long and goes to a vertical depth of 170 meters. It was completed in 1984. Drifting on the Discovery Vein was progressing on 4 levels.

Four drill holes were completed west of the shaft to test the westerly extensions of the Leroy veins. V-25 to V-28. The Pyrite Zone was also investigated V-29 to V-37. The block in the pyrite zone was estimated at 10,000 tons grading 0.18 opt Au. V-29 intersected a 4 inches section with 10% gold. Hole V-37 and two wedging attempts failed to repeat the very high grade intersections. V-27 and V-30 gave significant intersections of quartz veining and pyritic mineralization. The mineralized intersection in V-44 pointed to a possible large tonnage low grade deposit.

63 underground holes totalling 7,971 meters and 19 surfaces holes totalling 3,155 meters were drilled in 1982. In 1983 an additional 7,426 meters was completed from surface. An IP (Induced Polarization) survey covering 4.8 line-kilometer was completed along with a soil geochemistry program (assayed for copper, zinc, silver and manganese; zones anomalous in copper were analysed for gold).

1984 Surface diamond drilling campaign consisted of 12,232 meters in 60 holes. 33 of these holes (7,008 meters) were drilled to better define and evaluate the previously known gold-bearing shear zones (Leroy, Eureka, Arrow, Discovery and New). 11 holes totalling 1,926 meters were drilled on the B-68-11 Zone, a copper-zinc zone in the south east part of the property. 3 holes for 561 meters intersected the North Vein at Beacon 1. 11 holes for 2,106 meters tested 8 geochemical anomalies which were outlined by the 1983 survey. The Callahan Zone was also tested.

1984 Development and exploration continued in 1984 under the Hughes-Lang Partnership (1984) Ltd. This work consisted of completion of drifts, raises and

crosscuts underground along with surface drilling. Underground, drifting proceeded on the 70, 130 and 170 meter levels. Most of this drifting was in ore following the Discovery Vein. Four exploration raises on the Discovery Vein succeeded in defining ore between the 130 and 70 meter levels and also between the 170 and 130 levels. Two crosscuts toward the North Vein were started on the 130 and 170 levels. Also a ventilation shaft, joining the 170 meter levels to the existing mine ventilation system was completed.

1984 At the end of 1984, 20,320 short tons of development ore had been hauled to surface. Of this total, 16,560 tons were custom milled and returned an average grade of 0.088 opt Au.

1986

- A 150.6 m cross-cut with 73 meters of drifting east and west along the New Vein;
- 144.5 meters of drift on the Discovery East vein on the 70 meter level;
- 72 meters of drift and slash on the Eureka Vein at the east side of the 70 meter level;
- 28.9 meters of drift and slash on the Discovery Vein at the east end of the 70 meter level;
- a 278.5 meter cross-cut with 57.9 meters of drift east and west along the Pyrite Vein on the 70 meter level;
- 112.8 meters of by-pass parallel to the Leroy Vein;
- 50.9 meters of drifting on the Discovery Vein on the 130 meter level;
- a 242.2 meter cross-cut with 34 meters of drift east and west along the Pyrite Vein on the 130 meter level;
- a 65.4 meter cross-cut on the 130 meter level to give underground drilling access to the Far West Vein;
- test stoping / 137.1 meters of cross-cut on 4th level;
- 19.6 meters of drift on the Hidden Vein on the 4th level.
- work on the 5th (300 m), 6th (365 m), and 7th (430 m) levels
- shaft sinking

1987 A new shaft was completed at a depth of 486.3 meters extending 56.4 meters deeper than the lower level (7th) at 430 m with development on 5 levels. A total of 14,517 m of underground drilling and 9,522 m of surface drilling were completed. Construction of a concentrator (1987) and processing of 120,502 tonnes of development muck took place from May 1987 to 1988. A grade of 2.41 g/t Au is reported from the production (DV-89-01)

GM 06916

1 geological plan with ddh locations in the general area of the claims; H.S. Wilson 1940

GM 08416-A

General geology of the area by I.M. Marshall in 1938

GM 08416-B

26 DDH logs by Beaucourt Gold Mines Ltd + maps & sections (1937); **S-2-1, S-2-10, S-2-11, S-2-12, S-2-13, S-2-14, S-2-16, S-2-17, S-2-18, S-2-19, S-2-2, S-2-4, S-2-5, S-2-6, S-2-7, S-2-8, S-2-9, S-3-1.**

GM 08417-A

Rapport géologique et levémagnétique au sol; 1937; Beaucourt Gold Mines Inc.

GM 08417-B

6 geological plans with trenches + assays; Beaucourt Gold Mines Ltd (1937)

GM 09120-B

5 plans; 1 location, 3 levels, 1 section. Leroy Gold Mines Ltd 1932

GM 09825

Diamond drill core and sample records; Bambrick, H.; 1960. Holes: **BB-22, BB-23**

GM 13247

1 DDH with assay results, Claims Hoyles; 1963; Hollinger (Quebec) Expl. Co Ltd. Hole **LH-1**

GM 24063

Journal de sondages, Projet 13-472; SOQUEM; 1968. DDH #: **729, 762-b, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815.**

GM 24767

Diamond Drill Logs (1968); Beacon Mining Co Ltd.; Lamaque Mining Co Ltd. Holes: **B68-11, B68-12, B68-16, B68-17, B68-18, B68-3, B68-9.**

GM 26080

Report on Naganta – Timrod – Nemrod – properties (1968).

GM 28488

Journal de sondages, projet 10-818 (1972) Beacon Mining Co Ltd. DDH #: **10-818-04, 10-818-05.**

GM 28561

10 Journeaux sondages & résultats d'analyses (1972); Beacon Mining Co Ltd; DDH #: **10-816-07, 10-816-08, 10-816-09, 10-818-01, 10-818-02, 10-818-03, 10-818-06**

GM 35743

Report on the Beacon property (1979); J. Descarreaux; D'Or Val Mines Ltd & Highland-Crow Resources Ltd.

GM 35744

Report on the Electromagnetic Survey on the Beacon Property (1980)

GM 36066

Report on the Electromagnetic Survey on the Beacon Property (1980)

GM 36473

Diamond drill record, D'Or Val (Beacon) property (1980). DDH #: **V-1, V-2, V-3, V-4.**

GM 36474

Diamond Drill Record, D'Or Val property, claims Callahan; (1980); DDH # **V-5, V-6, V-7, V-8, V-9, V-10, V-11, V-12.**

GM 36891

Diamond Drill Record, Beacon Property (1980); DDH #: **DL-80-1, DL-80-1A, DL-80-2, DL-80-3, DL-80-4, V-23**

GM 36893

Diamond Drill Record, D'Or Val ines Limited property (1980); DDH # : **V-13, V-14, V-15, V-16, V-17, V-18, V-19, V-20, V-21, -22.**

GM 39942

Work performed on part of D'Or Val Mines property (1983); ddh #: **84-1, 92-8**

GM 40755

Leve geophysique heliporte, RexHRM-3 (1983) LOUVEM

GM 42108

3 holes drilled west on strike with Beacon I gold mineralization. Holes: **870E-1, 900E-1, 930E-1**

GM 43980

Diamond drill logs for holes 60-1, 100-14, 108-14 drilled in 1986 on the Callahan Vein. No UTM co-ordinates given for hole 100-14.

GM 44095

Diamond drill hole log for **140-2**, drilled in 1986. Locations only (NO LOGS) given for ddh #: **1, 10, 100, 100-10, 100-7, 100-8, 101, 102, 102-5, 102-6, 102-7, 104, 104-10, 104-11, 104-12, 104-13, 104-5, 104-6, 104-7, 104-8, 104-9, 107, 108, 108-1, 108-2, 108-3, 108-4, 108-5, 108-6, 108-7, 11, 110-1, 110-2, 110-3, 110-5, 112-1, 112-2, 112-3, 112-4, 112-5, 112-6, 116-1, 116-2, 116-25, 116-4, 116-5, 118-1, 12, 120-1, 122-2, 122-3, 122-4, 124-4, 128-2, 128-3, 128-4, 13, 131-1, 134-2, 134-3, 140-1, 140-2, 148-1, 150-1, 150-2, 152-1, 152-2, 154-1, 154-2, 158-1, 158-2, 160-1, 162-1, 166-1, 168-1, 176-1, 2, 27, 28, 29, 3, 30, 31, 34, 35, 36, 37, 4, 5, 58-1, 6, 62-1, 64-1, 64-2, 66-1, 66-2, 66-3, 67-W-1, 68-1, 68-4, 68-W-1, 68-W-2, 70-1, 72-1, 72-2, 72-3, 72-W-1, 74-1, 78-1, 80-1, 80-2, 80-3, 82-1, 84-3, 84-5, 84-6, 88-6, 88-7, 9, 92-10, 92-9, 94-12, 96-7, 98-10, 98-8, 98-9, L-20W-1, S-1-13, S-2-22, S-2-23, S-2-24, S-2-25, S-4-10, T-14, T-16, T-17, T-18, T-19, T-20, T21.**

GM 44108

Diamond drill logs for holes drilled in 1986; 100-14, 142-1, 146-1, 80-4, 80-5, 82-4, 84-4, 92-14, 94-18, 94-19, 96-12 (surface maps and sections for drill holes)

GM 44314

Travaux sous-terrains, Propriete Beacon 2 (1987) 26 maps.

GM 48653 (1987)

The report describes the work done on the Beacon II property in 1987. The work consisted of underground exploration by cross-cuts, drifts, and raises along with surface and underground drilling.

The property is developed by a ramp, to the -170 meters elevation. A new shaft was sunk to the -430 meter level (7th level) and incorporated the old levels into the new system. There are four levels developed at the -70, -110, -130, and -170 older levels, with new levels established at -240, -300, -360, and -430 meters elevations.

The 1986 exploration program was successful at intersecting the Discovery vein at depth and also locating the vein to the east (Discovery East). Pyrite vein was also extended to the east.

GM 59368

Diamond Drill Record: D'Or Val Mines Limited property (1981) DDH #: **V-24, V-25, V-26, V-27, V-28, V-29, V-30, V-31, V-32, V-33, V-34, V-35, V-36, V-37, V-37-W-1, V-37-W-2, V-37W-1, V-37W-2, V-38, V-39, V-40, V-41, V-42, V-43, V-44, V-45, V-46, V-47, V-48, V-49, V-50, V-51, V-52, V-53, V-54, V-55, V-55-A, V-56, V-57, V-57W, V-58, V-58W, V-59, V-60, V-61, V-62, V-63, V-64, V-65, V-66, V-67, V-68, V-69.**

GM 59370

Diamond Drill Record, D'Or Val Mines Limited Property (1981). DDH #: **VV-1, VV-2, VV-3, VV-4.**
Note to the GM file **"511 sondages au diamant non-localisable"**

GM 61103

Report on diamond drilling program, Leroy Shaft area, Beacon Property (1981).

GM 61104 (1981)

A report on the diamond drilling program for D'Or Val Mines Limited (1981).

- 1988 Mines Aurizon takes over the assets of Perron Gold Mines (Beaufort project) and Mines D'Or Val (Beacon I and Beacon II project).
- 1989 Closing of the Beacon II mine
- 1991 CANMET leases part of the property.
- 1998 Surface drilling at the Beacon I mine (3,313 m, 20 holes) and underground drilling at Beacon II mine (579 m in 12 holes).
- 1999 Additional drilling: 1 surface drill hole at Beacon I, 4 underground drill holes at beacon II and 13 drill holes on the Callahan structure just NW of the property under study (14 ddh for a total of 1,732 m)
- 2000 5 drill holes to the SW of the Beacon I mine for 1,122 m.
- 2001 Raymor Industries Inc. buys the infrastructures along with Beacon I and Beacon II ore zones. Callahan, Railroad, Zone D, Zone E, Zone B-68 pass to a new owner (Aur Resources Inc.).
- 2004 Ressources Jake Inc, a private company controlled by Legault Metal Inc., acquire the assets.
- 2004 12 ddh were completed at surface (1,319 m) on the Discovery and Eureka veins. Results indicate very limited potential laterally.
- 2005 12 underground ddh were completed on the Discovery vein for a total of 1,143 m. Resources estimate of 40,280 tonnes on the Discovery Vein (historical estimate) grading 9.68 g/t Au. Extraction and processing of 6,500 tonnes of ore largely from the Discovery

vein and a few hundred tonnes from a horizontal tension vein. The grade was reported to be between 2.5 to 3.0 g/t Au (L. Lafrance, personal communication).

2006 September 2006, Northern Star Mining Corporation buys control of the company "Ressources Jake Inc" from Legault Metal.

Geology

The Val d'Or district is located within the southern part of the Archaean Abitibi Volcanic Belt of the Superior Structural Province of the Canadian Shield. The Abitibi Sub-Province is the world's largest contiguous area of Archaean volcanic and sedimentary rocks that host a significant number of mineral deposits. The general appearance is one of oval-shape batholiths surrounded by east – west trending greenstone belts usually "wrapping" around batholiths. Regional and local folding is common and the dips of the formations are usually sub-vertical.

Over most of the area, bedrock is buried beneath clay, sand gravel and swamp. Much has been learned of the essential geological and structural features as a result of systematic exploration by geophysical surveys, a significant amount of trenching and many thousands of meters of diamond drilling, and locally by limited underground exploration and development programs.

The northwestern portion of the property is underlain by the Bourlamaque batholith, granodiorite and diorite sills and masses, whereas the southern and eastern portion of the claims is underlain by the Malartic Group, older east-west striking felsic to mafic volcanics sequence.

The contact between the batholith and the volcanics strikes between N-50° to N-75° curving from the SW to the NE.

Tuffs, tuffaceous agglomerates and volcanic breccias are exposed on the property.

The granodiorite exposed on the property is generally massive. It exhibits various degrees of foliation and shearing at the contact.

Intermediate flows (porphyritic rhyodacite) is most prominent along the granodiorite contact.

Mineralization

Gold bearing shear zones within the batholith and also the volcanics have been investigated over the years. They have been traced by drilling. The sineous shear zone pinch and swell

along strike and down dip. Quartz-tourmaline-carbonates veins and lenses host the sulphides and free gold.

At the southern edge of the batholith several of these structures, in the vicinity of the new shaft, have been investigated:

- Leroy vein
- Arrow vein
- Discovery
- Discovery H.W vein
- Discovery East Vein
- New Zone
- Hidden Zone
- Pyrite Vein

The Discovery vein being the main dominant structure.

In the granodiorite of the Bourlamaque Batholith, shear zones altered to mylonite are host to gold-bearing zones. Veins and lenses of quartz-tourmaline-carbonate with minor sulphides and free gold have been formed within these zones of weakness. Varying amount of pyrite and chalcopyrite are present within the quartz veins. Tourmaline locally represents up to 40% of the vein material. Carbonate forms only a minor part of the veins. The quartz is largely white and vitreous but locally grey and bluish quartz varieties are present. Pyrite occurs often as massive blebs but is mostly finely disseminated. Chalcopyrite is omni-present within all of the veins.

Locally gold values of ore grade have extended beyond the quartz veins into the hanging and / or footwall where carrying pyrite.

The higher of the gold values appear to be associated to zones with heavy sulphides. Visible gold is present in fine or coarse form.

Table 2: A few of the early drill intersections

DDH #	from	to	core length	opt Au	Structure
V-24	115.1 feet	116.5 feet	1.4 foot	0.10 opt Au	
	340.2 feet	341.2 feet	1.0 foot	0.25 opt Au	
V-25	42.6 feet	50.8 feet	8.5 feet	0.05 opt Au	Leroy
	63.1 feet	68.1 feet	5.0 feet	0.01 opt Au	Leroy
	491.3 feet	494.5 feet	3.2 feet	0.14 opt Au	
	518.0 feet	520.0 feet	2.0 feet	0.18 opt Au	
V-26	131.5 feet	137.7 feet	6.2 feet	0.05 opt Au	Leroy

	162.0 feet	168.5 feet	6.7 feet	0.16 opt Au	Leroy
	415.5 feet	416.5 feet	1.0 foot	0.25 opt Au	
	624.3 feet	625.3 feet	1.0 foot	0.14 opt Au	
V-27	505.2 feet	536.1 feet			Leroy
including	512.1 feet	519.7 feet	7.6 feet	0.29 opt Au	Leroy
	530.9 feet	534.6 feet	3.7 feet	0.11 opt Au	
V-28	75.8 feet	77.8 feet	2.0 feet	0.17 opt Au	
V-29	92.0 feet	100.5 feet	8.5 feet	0.10 opt Au	Pyrite Zone
	137.2 feet	139.5 feet	2.3 feet	0.10 opt Au	
	148.7 feet	155.2 feet	6.5 feet	0.14 opt Au	
	200.9 feet	201.3 feet	0.4 foot	3,677.0 opt Au	Pyrite Zone
	328.5 feet	330.3 feet	1.8 foot	0.58 opt Au	
V-30	444.0 feet	445.0 feet	1.0 foot	0.28 opt Au	
	490.2 feet	548.5 feet	58.3 feet	0.26 opt Au	Pyrite Zone
V-31	252.0 feet	253.5 feet	1.5 foot	0.02 opt Au	
V-32	340.0 feet	346.6 feet	6.0 feet	0.09 opt Au	
	701.2 feet	704.2 feet	2.0 feet	0.10 opt Au	
V-33	603.5 feet	504.5 feet	1.0 foot	0.12 opt Au	
	637.5 feet	639.0 feet	1.5 feet	0.28 opt Au	
	656.4 feet	657.4 feet	1.0 foot	0.20 opt Au	
V-34	91.3 feet	109.5 feet	18.2 feet	0.22 opt Au	Pyrite Zone
	142.5 feet	148.0 feet	5.5 feet	0.12 opt Au	
	157.8 feet	159.3 feet	1.5 feet	0.13 opt Au	
	171.9 feet	175.4 feet	3.5 feet	0.08 opt Au	
	439.5 feet	452.3 feet	12.8 feet	0.09 opt Au	
V-35	89.4 feet	96.2 feet	6.8 feet	0.61 opt Au	Pyrite Zone
	174.3 feet	180.5 feet	7.2 feet	0.10 opt Au	
	445.6 feet	461.9 feet	5.5 feet	0.17 opt Au	
	492.9 feet	498.5 feet	5.6 feet	0.13 opt Au	
V-36	48.5 feet	49.5 feet	1.0 foot	0.21 opt Au	Pyrite Zone
	143.5 feet	145.6 feet	2.1 feet	0.10 opt Au	
	196.5 feet	205.5 feet	9.0 feet	0.04 opt Au	
	338.3 feet	340.8 feet	2.5 feet	0.10 opt Au	
V-37	82.0 feet	95.6 feet	13.6 feet	0.06 opt Au	Pyrite Zone
	183.2 feet	186.0 feet	2.8 feet	0.14 opt Au	
	211.0 feet	212.3 feet	1.3 foot	0.68 opt Au	
	431.1 feet	434.5 feet	3.4 feet	0.03 opt Au	
	469.1 feet	472.7 feet	3.6 feet	0.02 opt Au	
V-40	110.7 feet	112.2 feet	1.5 foot	0.25 opt Au	
V-41	21.6 feet	25.0 feet	3.4 feet	0.16 opt Au	
V-44	287.3 feet	292.5 feet	5.2 feet	0.27 opt Au	
	416.2 feet	431.2 feet	15.0 feet	0.19 opt Au cut	
	464.0 feet	468.8 feet	4.8 feet	0.11 opt Au	
	484.0 feet	486.2 feet	1.6 feet	0.53 opt Au	
	495.1 feet	497.3 feet	2.2 feet	0.43 opt Au	
	417.3 feet	497.3 feet	81.1 feet	0.08 opt Au	
V-48	367.1 feet	370.0 feet	2.9 feet	0.20 opt Au	
V-49	254.6 feet	255.6 feet	1.0 foot	0.24 opt Au	
V-57	331.0 feet	332.0 feet	1.0 foot	0.18 opt Au	

V-58	566.0 feet	567.5 feet	1.5 feet	1.04 opt Au	
	558.2 feet	567.5 feet	9.3 feet	0.18 opt Au	
V-58W	577.0 feet	581.8 feet	4.8 feet	0.15 opt Au	
V-61	110.4 feet	114.3 feet	3.9 feet	0.17 opt Au	
	347.6 feet	349.2 feet	1.6 feet	0.19 opt Au	
	459.6 feet	462.6 feet	3.0 feet	0.14 opt Au	
V-62	341.3 feet	342.3 feet	1.0 foot	0.10 opt Au	
	398.5 feet	400.5 feet	2.0 feet	0.12 opt Au	
	465.0 feet	470.8 feet	5.8 feet	0.074 opt Au	

Note: in an area influenced by hole V-44, it has been suggested that a large tonnage of low grade material can be developed

At the Leroy shaft, a sinuous zone of pyritic quartz tourmaline veins and stringers pinch and swell along a NE trending shear. The veins dip 55° to the south, and have been intersected to a depth of 450 feet.

An important feature common to numerous gold-bearing shear zones, notably the Discovery, Arrow and Eureka vein, is the tendency to split into footwall and hanging wall components both along strike and at depth. Ore hosting potential is diminished where this occurs.

At the Beacon Shaft, gold occurs in a weak shear zone containing veins and lenses of quartz with tourmaline, carbonates, pyrite and chalcopyrite. The main zone strikes N-060° and dips 50° to the west and has been developed by drilling and underground development at the 200 foot and 300 foot level.

DDH #	from	to	meter	opt Au	
870E-1	166.5 m	167.1 m	0.60 m	0.56 opt Au	Beacon I
900E-1	183.7 m	185.2 m	1.5 m	0.09 opt Au	Beacon I
930E-1	167.4 m	168.0 m	0.6 m	0.23 opt Au	Beacon I

Gold is mainly associated with quartz carbonate tourmaline pyrite veins to be found in shear zones and or in flat lying quartz carbonate pyrite veins. Pyrite content of veins greatly varies from trace to over 15% within short distances and is present as single cubes or patches. Gold occurs either as free gold or associated with pyrite. There seems to be a direct relation between the gold content and the pyrite content. Chalcopyrite has been observed in different locations and seems to be more common in flat veins whereas pyrite content of flat veins seems to be lower than the pyrite content of the steeply dipping gold bearing structures.

Previous operators have outlined by drilling and underground development different figures of resources estimates over the years.

Zone	Category	Tonnage	grade	
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Beacon		37,000 tons	0.60 opt Au	
Leroy		26,000 tons	0.20 opt Au	
Connell	probable	90,000 tons	?	
Pyrite Zone		10,000 tons	0.17 opt Au	
Discovery Vein	Proven	123,755 tons	0.21 opt Au	1987 J. Charlton & C. Besy
	Probable	50,640 tons	0.199 opt Au	1987 J. Charlton & C. Besy
	Possible	161,025 tons	0.20 opt Au	1987 J. Charlton & C. Besy
Discovery H.W.	Possible	44,896 tons	0.23 opt Au	1987 J. Charlton & C. Besy
Discovery East	Proven	4,042 tons	0.111 opt Au	1987 J. Charlton & C. Besy
	Probable	4,491 tons	0.111 opt Au	1987 J. Charlton & C. Besy
	Inferred	6,051 tons	0.114 opt Au	1987 J. Charlton & C. Besy
Arrow	Proven	5,849 tons	0.247 opt Au	1987 J. Charlton & C. Besy
	Probable	2,267 tons	0.219 opt Au	1987 J. Charlton & C. Besy
	Possible	26,400 tons	0.217 opt Au	1987 J. Charlton & C. Besy
Leroy	Proven	8,241 tons	0.16 opt Au	1987 J. Charlton & C. Besy
	Probable	8,325 tons	0.163 opt Au	1987 J. Charlton & C. Besy
	Possible	18,554 tons	0.192 opt Au	1987 J. Charlton & C. Besy
Pyrite Vein	Proven	3,244 tons	0.22 opt Au	1987 J. Charlton & C. Besy
	Probable	3,482 tons	0.22 opt Au	1987 J. Charlton & C. Besy
	Inferred	15,572 tons	0.19 opt Au	1987 J. Charlton & C. Besy
New Vein	Proven	1,116 tons	0.09 opt Au	1987 J. Charlton & C. Besy
	Probable	2,131 tons	0.09 opt Au	1987 J. Charlton & C. Besy
	Inferred	7,804 tons	0.58 opt Au	1987 J. Charlton & C. Besy
Hidden	Proven	1,800 tons	0.13 opt Au	1987 J. Charlton & C. Besy
	Possible	10,732 tons	0.56 opt Au	1987 J. Charlton & C. Besy
Beacon 1	Proven	6,300 tons	0.21 opt Au	1987 J. Charlton & C. Besy
	Probable	3,500 tons	0.21 opt Au	1987 J. Charlton & C. Besy
	Possible	6,500 tons		
Stockpile		51,700 tons	0.12 opt Au	1987 J. Charlton & C. Besy

Note: for the 1987 resources estimate the following criteria were used:

- Undiluted cut-off grade of 0.11 opt Au over 1.5 meters for discovery Vein
- Undiluted cut-off grade of 0.09 opt Au over 1.0 meter for the other veins
- 15% dilution was added
- High assays cut to 5 times the average of the block (maximum 1.5 opt Au)
- Specific gravity 2.7
- "Proven Blocks" extended 10 meters above and below levels
- "Proven Blocks" extended 10 meters horizontal where raising confirmed the continuation of the ore
- "Probable Blocks" were extended 10 meters above and below proven blocks where applicable
- "Probable Blocks" were extended 10 meters horizontally from proven blocks where raising confirmed the continuity of ore.
- "Possible Blocks" were calculated from drill holes and 10 meters above and below probable blocks where applicable

In summary: 154,200 tons grading 0.21opt Au Proven
 74,800 tons grading 0.20 opt Au Probable

315,300 tons Possible
 51,700 tons grading 0.12 opt Au Stockpile

These resources have been compiled before enactment of NI 43-101. The author did not complete enough work to re-classify these resources which will remain historical in nature.

Gold occurs primarily in quartz veins (tension fracture filling) in shear zones. The shears are mainly chloritic. The quartz contains variable amounts of tourmaline, carbonate, Fe-carbonate, pyrite and chalcopyrite. Pyrite content varies from trace to 15% and is the primary carrier of gold. Where chalcopyrite occurs gold is always present nearby, although not usually within the chalcopyrite. Native gold is fairly common in the quartz and can be very coarse. Tourmaline in the presence of quartz veining is also an important indicator of gold mineralization.

In 2005, under the management of Ressources Jake Inc. (Legault Metals), a resources estimate was completed following underground sampling (40,280 tonnes grading 9.68 g/t Au).

The following equipment is also present at the Beacon II project:

- Cyanidation mill, capacity 900 tpd, potential to expand to 1,800 tpd
- Mill building, 90 feet wide X 225 feet long X 50 feet height
- Tailing pond: 37 hectares
- Polishing pond: 28 hectares
- Mining concession CM-0356 PTB) 92.12 hectares
- Mining ramp to 170 meters
- Mining shaft to 500 meter level
- Fresh water basin 250,000 gallons
- Process water basin 750,000 gallons
- 4000 KVA transformer

Discussions

Recently at the boundary to the north east corner of the property, on the adjacent claims, four drill holes were completed by Globex in 2011-2012.

Hole #	From m	To m	Core length m	Au g/t	comments
BEAC 11-01			2.9	5.28	
BEAC 12-01	6.0	7.0	1.0	8.26	Above hole BEAC 11-01
	192.3	193.36	1.05	35.70	
BEAC 12-02	120.0	122.0	2.0	13.40	Hole to the west
BEAC 12-03	253.5	255.0	1.5	1.99	Hole to the east

Conclusions

The property is located along the southern contact of the Bourlamaque Batholith in contact with volcanic rocks. In the general area this contact is very favorable for the discovery of gold mineralization of economic interest.

To date, the gold values intersected by drilling, the chip sampling underground and the results of numerous bulk samples, all point to a fairly strong "nugget effect" in assaying the gold mineralization encountered on the property.

A large part of the more recent drilling and assaying completed on the property is not available within the Ministry assessment work files. It is strongly recommended to locate, if possible, all of the pertinent information and complete the "technical evaluation" of the property.

The grade of the gold mineralization appears to be 2.5 g/t to 3.0 g/t and in order to be economic these grades require significant width of continuous mineralization or numerous structures very close to each other. A possible target to consider at depth is the intersection of the north dipping massive sulphide horizon with the sub-vertical gold bearing structures (?).

Chibougamau, September 12, 2014

Signed:

The image shows a handwritten signature in cursive, followed by a circular professional seal. The seal contains the text "GEOLOGUE - GÉOLOGUE" at the top, "Georges P. Lortie" in the center, and "OIQ #34885" and "QUÉBEC" at the bottom.

B. Sc. Eng.; M. Sc. Geology; OIQ #34885

References

Bérubé, Jean-Pierre (2006)

Rapport de Travaux, propriété minérale Beacon II; région de l'Abitibi, Nord-Ouest Québécois; 32C-03; préparé pour **Ressources Jake Inc.**; MRB & Associés, 20 Janvier 2006.

Reports to locate

Fontaine et Williamson (1998)

Baril (2002) for Raymor Industries Inc.

Appendix 1: List of diamond drill holes on the property and the immediate area (in progress)

Year	DDH #	UTM co-ordinates			Azimut h	dip	length	Zone
		Easting	Northing	Elevation				
1986	60-1	308280	5330996		167°	-49.5°	307.33 m	Callahan
	1							Callahan
	84							Callahan
	85							Callahan
	86							Callahan
	87							Callahan
	88							Callahan
	89							Callahan
	90							Callahan
	91							Callahan
	92							Callahan
	93							Callahan
	94							Callahan
	95							Callahan
	96							Callahan
	97							Callahan
	98							Callahan
	100-09							Callahan
	100-11							Callahan
1986	100-14			4992.73	147.73°	-59°	221.82 m	
1986	108-14	308785	5331172	5000	338°	-44°	152.62 m	Callahan
	S-3-11							Callahan
	S-3-12							Callahan
	S-3-13							Callahan
	T-10							Callahan
	T-11							Callahan
	T-13							Callahan
1980	V-5	308829	5331394		180°	-45°	29.9 m	Callahan
1980	V-6	308846	5331380		000°	-90°	15.3 m	Callahan
1980	V-7	308907	5331383		180°	-45°	21.0 m	Callahan
1980	V-8	308906	5331384		180°	-70°	22.9 m	Callahan
1980	V-9	308932	5331384		180°	-45°	22.9 m	Callahan
1980	V-10	308932	5331384		180°	-70°	17.1 m	Callahan
1980	V-11	308885	5331381		180°	-45°	22.9 m	Callahan
1980	V-12	308885	5331380		180°	-45°	22.9 m	Callahan
1980	V-13	309263	5331617		000°	-50°	96.0 m	Callahan
1980	V-14	309263	5331571		000°	-55°	97.0 m	Callahan
1980	V-15	309261	5331526		000°	-55°	154.6 m	Callahan
1980	V-16	309225	5331528		360°	-55°	114.3 m	Callahan
1980	V-17	308551	5531804		360°	-50°	114.6 m	Callahan
1980	V-18	309288	5331525		360°	-55°	97.0 m	Callahan

1980	V-19	308907	5331420		180°	-50°	101.5 m	Callahan
1980	V-20	308888	5331414		360°	-50°	114.9 m	Callahan
1980	V-21	309020	5331336		180°	-50°	122.3 m	Callahan
1980	V-22	308829	5531393		180°	-50°	81.4 m	Callahan
								Callahan
	8-W-1							Callahan
	24-W-2							Callahan
	32-W-1							Callahan
	36-W-1							Callahan
	1	309036	5330271					Beacon II
	2	309067	5330297					Beacon II
	3	308894	5330255					Beacon II
	4	309100	5330294					Beacon II
	5	309012	5330147					
	6	308971	5530358					Beacon II
	9	309176	5330336					Beacon II
	10	309211	5330357					Beacon II
	11	309242	5330377					Beacon II
	12	309242	5330394					Beacon II
	13	308939	5330252					Beacon II
	27	309037	5329865					
	28	309181	5329935					
	29	309319	5330003					
	30	309732	5330225					Beacon II
	31	309712	5330271					Beacon II
	34	309862	5330313					Beacon II
	35	309995	5330390					Beacon II
	36	309844	5330358					Beacon II
	37	309904	5330206					Beacon II
								Beacon II
	58-1	308516	5530533					Beacon II
	62-1	308563	5330469					Beacon II
	64-1	308590	5330487					Beacon II
	64-2	308574	5330528					Beacon II
	66-1	308609	5330479					Beacon II
	66-2	308600	5330513					Beacon II
	66-3	308528	5330551					Beacon II
	68-1	308622	5330499					Beacon II
	68-4	308850	5330299					Beacon II
	70-1	308647	5330495					Beacon II
	72-1	308638	5330577					Beacon II
	72-2	308655	5330528					Beacon II
	72-3	308754	5330264					Beacon II
	74-1	308677	5330531					Beacon II
	76-1							Beacon II
	78-1	308707	5330555					Beacon II
	80-1	308825	5330303					Beacon II
	80-2	308746	5330516					Beacon II

	80-3	308733	5330556					Beacon II
1986	80-4	308711	5330597	4988.77	156.60°	-60.5°	186.79 m	Beacon II
1986	80-5	308698	5330649	4989.46	153.17°	-59°	222.94 m	Beacon II
	82-1	308804	5330436					Beacon II
	82-2							Beacon II
1986	82-4	308727	5330635	4989.28	145.07°	-65.5°	173.42 m	Beacon II
1983	84-1	308950	5330416	4950.88	289.1°	-19.57°	72.02 m	
	84-2							Beacon II
	84-3	308848	5330352					Beacon II
1986	84-4	308710	5330699	4990.51	152.88°	-59°	196.65 m	Beacon II
	84-5	308753	5330638					Beacon II
	84-6	308775	5330525					Beacon II
	86-4							Beacon II
	88-6	308806	5330584					Beacon II
	88-7	308937	5330229					
1983	92-8	308950	5330416	4950.33	315.4°	-36.53°	63.4 m	
	92-9	308841	5330596					Beacon II
	92-10	308976	5330241					
	92-11							Beacon II
1986	92-14	308790	5330723	4990.93	156.45°	-61°	199.54 m	Beacon II
	94-12	309018	5330200					
1986	94-18	308878	5330584	4989.39	154.6°	-57°	107.34 m	Beacon II
1986	94-19	308859	5330630	4989.84	161.53°	-56°	195.18 m	Beacon II
	96-7	309011	5330251					Beacon II
	96-8							Beacon II
1986	96-12	308878	5330639	4989.98	151.52°	-55°	198.27 m	Beacon II
	98-8	308917	5330570					Beacon II
	98-9	308886	5330646					Beacon II
	98-10	309019	5330277					Beacon II
	100	308743	5530170					
	100-6							Beacon II
	100-7	309060	5330260					Beacon II
	100-8	308938	5330578					Beacon II
	100-10	309045	5330263					Beacon II
1986	100-14	308883	5330741	4992.73	147.73°	-59°	221.82 m	Beacon II
	101	308997	5330285					
	102	309010	5329930					
	102-5	309241	5329893					
	102-6	308928	5330648					Beacon II
	102-7	309057	5330249					Beacon II
	104	309010	5329939					
	104-5	309079	5330310					Beacon II
	104-6	309098	5330294					Beacon II
	104-7	309097	5330271					Beacon II
	104-8	308990	5330544					Beacon II
	104-9	308974	5330592					Beacon II

	104-10	308966	5330621					Beacon II
	104-11	308945	5330666					Beacon II
	104-12	308969	5330606					Beacon II
	104-13	309031	5330447					Beacon II
	107	309020	5330211					
	108	308964	5330017					
	108-1	309111	5330333					Beacon II
	108-2	309130	5330284					
	108-3	309022	5330578					Beacon II
	108-4	309035	5330535					Beacon II
	108-5	309000	5330634					Beacon II
	108-6	309074	5330434					Beacon II
	108-7	308976	5330697					Beacon II
	110-1	309120	5330432					Beacon II
	110-2	309164	5330247					
	110-3	309164	5330247					
	110-5	309086	5330471					Beacon II
	112-1	309106	5330506					Beacon II
	112-2	309007	5330727					Beacon II
	112-3	309132	5330441					
	112-4	309110	5330462					
	112-5	309022	5330691					Beacon II
	112-6	309131	5330375					Beacon II
	116-1	309171	5330348					Beacon II
	116-2	309192	5330350					
	116-3							Beacon II
	116-4	309161	5330446					
	116-5	309036	5330774					Beacon II
	116-25	309102	5330581					Beacon II
	118-1	309224	5330376					
	120-1	309216	5330408					Beacon II
	122-2	309241	5330395					Beacon II
	123-3	309264	5330328					Beacon II
	122-4	309027	5330487					Beacon II
	124-3							Beacon II
	124-4	309214	5330526					Beacon II
	126-1							Beacon II
	126-2							Beacon II
	128-2	309298	5330403					Beacon II
	128-3	309262	5330511					Beacon II
	128-4	309254	5330536					Beacon II
	128-8							Beacon II
	128-9							Beacon II
	128-10							Beacon II
	130-2							Beacon II
	131-1	309307	5330352					Beacon II
	132-6							Beacon II
	132-7							Beacon II
	134-1							Beacon II

	134-2	309352	5330439					Beacon II
	134-3	309319	5330532					Beacon II
	134-6							Beacon II
	140-1	309392	5330502					Beacon II
	140-2	309410	5330441		338°	-70°	392.53 m	Beacon II
1986	142-1	309385	5330574	4994.89	335.38°	-57°	183.8 m	Beacon II
	142-2							Beacon II
1986	146-2	309421	5330616	4993.14	337.25°	-56°	162.5 m	Beacon II
	148-1	309468	5330527					Beacon II
	148-2							Beacon II
	150-1	309441	5330660					Beacon II
	150-2	309421	5330717					Beacon II
	152-1	309675	5330122					
	152-2	309477	5330635					Beacon II
	154-1	309511	5330580					Beacon II
	154-2	309454	5330739					Beacon II
	154-3							Beacon II
	158-1	309516	5330680					Beacon II
	158-2	309456	5330780					Beacon II
	160-1	309583	5330573					Beacon II
	160-2							Beacon II
	162-1	309544	5330722					Beacon II
	166-1	309639	5330693					Beacon II
	166-2							Beacon II
	168-1	309833	5330219					Beacon II
	176-1	309876	5330569					Beacon II
1968	729	313025	5330390		150°	-40°	232.6 m	VMS
1968	762-b	312636	5330511		150°	-50°	310.1 m	VMS
1968	806	311944	5331163		150°	-45°	91.5 m	VMS
1968	807	313367	5330527		150°	-60°	195.7 m	VMS (Au-Zn)
1968	808	313222	5330260		150°	-72°	289.0 m	VMS
1968	809	312560	5330396		150°	-65°	233.5 m	VMS
1968	810	312531	5330454		150°	-65°	312.8 m	VMS
1968	811	314059	5330559		150°	-55°	138.1 m	VMS
1968	812	313805	5330572		180°	-68°	176.5 m	VMS
1968	813	312586	5330489		150°	-65°	299.5 m	VMS
1968	814	313244	5330496		150°	-55°	224.1 m	VMS
1968	815	313420	5330528		150°	-55°	183.4 m	VMS
1972	10-818-01	311264	5331409		155°	-60°	368.2 m	VMS
1972	10-818-02	311101	5331408		155°	-84°	486.3 m	VMS
1972	10-818-03	311013	5331306		155°	-75°	350.3 m	VMS
1972	10-818-04	311016	5330886		155°	-70°	507.3 m	VMS
1972	10-818-05	311031	5330924		155°	-70°	240.9 m	VMS
	10-818-06				155°	-75°	337.8 m	
1972	10-816-07	311185	5531233		155°	-60°	337.7 m	VMS
1972	10-816-08	311018	5331366		155°	-85°	498.1 m	VMS
1972	10-816-09	311295	5331342		155°	-84°	303.9 m	VMS

	24-W-1							Beacon II
	72-W-1	308427	5330451					Beacon II
1968	B68-3	310877	5330523		143°	-45°	97.3 m	VMS
1968	B68-9	310911	5330528		152°	-60°	179.0 m	VMS
1968	B68-11	310935	5330545		140°	-45°	124.7 m	VMS
1968	B68-12	310912	5330530		140°	-40°	150.3 m	VMS
1968	B68-14				140°	-45°	101.2 m	VMS
1968	B68-15				140°	?	72.3 m	VMS
1968	B68-16	310971	5330521		140°	-45°	78.7 m	VMS
1968	B68-17	311002	5330542		140°	-50°	124.1 m	VMS
1968	B68-18				140°	-45°	103.7 m	VMS
1960	BB-22	316908	5330787		180°	-45°	203.0 m	
1960	BB-23	316848	5330760		360°	-45°	186.6 m	
	B-69-62							Beacon II
1980	DL-80-1	311025	5330634		180°	-70°	188.1 m	Beacon
1980	DL-80-1A	311025	5330635		180°	-80°	106.7 m	Beacon
1980	DL-80-2	311052	5330431		330°	-75°	428.4 m	Beacon
1980	DL-80-3	311231	5330740		140°	-75°	307.0 m	Beacon
1980	DL-80-4	311271	5330549		140°	-75°	308.2 m	Beacon
	L-20W-1	309913	5330501					Beacon II
	L-67W-1	308591	5330257					Beacon II
	L-68W-1	308559	5330313					Beacon II
	L-68W-2	308557	5330242					Beacon II
1963	LH-1	316822	5330156		010°	-80°	272.6 m	
	S-1-13	308700	5330264					Beacon II
1937	S-2-1	309759	5330138					VMS
1937	S-2-2	309771	5330153		?	?	68.9 m	Beacon II
1937	S-2-3	309796	5330077		?	?	42.7 m	VMS
1937	S-2-4	309743	5330165		?	?	106.7 m	VMS
1937	S-2-5	309739	5330151		?	?	53.4 m	VMS
1937	S-2-6	309789	5330195		?	-45°	92.1 m	Beacon II
1937	S-2-7	309716	5330128		?	-45°	60.4 m	VMS
1937	S-2-8	309694	5330120		?	-55°	61.3 m	VMS
1937	S-2-9	309669	5330108		?	-45°	63.7 m	VMS
1937	S-2-10	309649	5330098		?	-50°	63.1 m	VMS
1937	S-2-11	309628	5330090		?	-45°	61.3 m	VMS
1937	S-2-12	309712	5330160		?	?	126.8 m	VMS
1937	S-2-13	309753	5330036		?	?	120.7 m	VMS
1937	S-2-14	309205	5329898		?	?	59.8 m	VMS
1937	S-2-15				?	?	68.0 m	VMS
1937	S-2-16	309145	5329870		?	?	75.0 m	VMS
1937	S-2-17	309119	5329857		?	?	76.2 m	VMS
1937	S-2-18	309085	5329841		?	?	76.5 m	VMS
1937	S-2-19	309049	5329827		?	?	96.0 m	VMS
1937	S-2-20	309240	5329923		?	?	64.9 m	VMS

1937	S-2-21	309268	5329933		?	?	92.4 m	VMS
	S-2-22	309298	5329939					
	S-2-23	309336	5329956					
	S-2-24	309353	5329966					
	S-2-25	30385	5329977					
1937	S-3-1	308922	5331085		?	-45°	122.9 m	VMS
1937	S-3-2				?	-50°	106.7 m	
1937	S-3-3				?	?	115.9 m	
1937	S-3-4				?	?	102.1 m	
1937	S-3-5				?	?	108.8 m	
1937	S-3-6				?	?	56.4 m	
	S-4-9							Beacon II
	S-4-10	309750	5330627					Beacon II
	S-16-1							Beacon II
	T-12							Beacon II
	T-14	309783	5330681					Beacon II
	T-15							Beacon II
	T-16	309705	5330558					Beacon II
	T-17	309641	5330643					Beacon II
	T-18	309526	5330515					Beacon II
	T-19	309491	5330556					Beacon II
	T-20	309396	5330421					Beacon II
	T-21	309364	5330455					Beacon II
1980	V-1	308975	5330300		090°	-66°	103.7 m	Beacon
1980	V-2	308987	5330299		090°	-66°	106.1 m	Beacon
1980	V-3	308997	5330262		000°	-55°	119.2 m	Beacon
1980	V-4	308997	5330272		000°	-71°	115.2 m	Beacon
1980	V-23	309560	5330888		000°	-50°	108.8 m	Beacon
1981	V-24	309108	5330406		360°	-50°	152.4 m	
1981	V-25	308971	5330358		360°	-50°	240.9 m	Beacon II
1981	V-26	308963	5330313		360°	-50°	214.0 m	
1981	V-27	308910	5330302		360°	-50°	199.1 m	Beacon II
1981	V-28	308848	5330333		360°	-50°	211.3 m	Beacon II
1981	V-29	308919	5330354		030°	-50°	128.1 m	Beacon II
1981	V-30	308941	5330526		180°	-50°	214.6 m	Beacon II
1981	V-31	308967	5330435		210°	-50°	108.5 m	Beacon II
1981	V-32	308973	5330526		180°	-50°	228.7 m	Beacon II
1981	V-33	308914	5330526		180°	-50°	225.6 m	Beacon II
1981	V-34	308916	5330390		030°	-50°	144.8 m	Beacon II
1981	V-35	308927	5330369		030°	-50°	157.0 m	Beacon II
1981	V-36	308892	5330372		030°	-50°	169.5 m	Beacon II
1981	V-37	308915	5330367		030°	-50°	160.4 m	Beacon II
1981	V-37-W-1	308915	5330367		030°	-50°	24.1 m	Beacon II
1981	V-37-W-2	308915	5330367		030°	-50°	32.9 m	Beacon II
1981	V-37W-1	308915	5330367					Beacon II
1981	V-37W-2	308915	5330367					Beacon II
1981	V-38	308963	5330421		030°	-50°	148.2 m	Beacon II
1981	V-39	308963	5330421		360°	-50°	45.7 m	Beacon II
1981	V-40	308988	5330420		360°	-50°	61.0 m	Beacon II

1981	V-41	308945	5330407		360°	-50°	61.0 m	Beacon II
1981	V-42	308945	5330366		360°	-50°	61.0 m	Beacon II
1981	V-43	308874	5330371		030°	-50°	61.0 m	Beacon II
1981	V-44	308753	5330415		360°	-50°	160.4 m	Beacon II
1981	V-45	308754	5330461		360°	-50°	145.7 m	Beacon II
1981	V-46	308339	5330542		360°	-50°	122.0 m	Beacon II
1981	V-47	308561	5330469		360°	-50°	126.5 m	Beacon II
1981	V-48	308699	5330421		360°	-50°	170.7 m	Beacon II
1981	V-49	308633	5330421		360°	-50°	198.2 m	Beacon II
1981	V-50	308332	5330497		360°	-50°	167.7 m	Beacon II
1981	V-51	308812	5330412		360°	-50°	201.8 m	Beacon II
1981	V-52	308754	5330366					Beacon II
1981	V-53	309118	5330435		360°	-50°	91.5 m	Beacon II
1981	V-54	309199	5330451		360°	-50°	91.5 m	Beacon II
1981	V-55	309229	5330439		360°	-50°	22.3 m	Beacon II
1981	V-55-A	309226	5330449		360°	-50°	104.6 m	Beacon II
1981	V-56	309257	5330437		360°	-50°	114.0 m	Beacon II
1981	V-57	308786	5330413		360°	-50°	189.0 m	Beacon II
1981	V-57W	308786	5330413		360°	-50°	36.1 m	Beacon II
1981	V-58	308726	5330416		360°	-50°	200.9 m	Beacon II
1981	V-58W	308726	5330416		360°	-50°	32.6 m	Beacon II
1981	V-59	308725	5330464		360°	-50°	82.9 m	Beacon II
1981	V-60	308694	5330465		360°	-50°	22.0 m	Beacon II
1981	V-61	308698	5330534		180°	-50°	150.3 m	Beacon II
1981	V-62	308776	5330545		180°	-60°	148.2 m	Beacon II
1981	V-63	308928	5330477		190°	-45°	172.6 m	Beacon II
1981	V-64	308859	5330535		180°	-50°	169.5 m	Beacon II
1981	V-65	308953	5330404		360°	-50°	135.7 m	Beacon II
1981	V-66	308878	5330497		180°	-50°	17.1 m	Beacon II
1981	V-66 A	308878	5330497		180°	-60°	209.2 m	Beacon II
1981	V-67				360°	-45°	41.5 m	Beacon II
1981	V-68	309146	5330317		360°	-45°	75.0 m	Beacon II
1981	V-69	309113	5330324		360°	-45°	38.4 m	Beacon II
Underground Drilling TO LOCATE								
2004	LMB-04-01	308935.2	5330452.1	4915.5	314.3°	-0.5°	60.0 m	Beacon II
2004	LMB-04-02	308935.3	5330452.1	4916.6	318.6°	+28.1°	48.0 m	Beacon II
2004	LMB-04-03	308935.3	5330452.0	4914.6	316.6°	-30.6°	75.0 m	Beacon II
2004	LMB-04-04	308921.8	5330525.0	4917.2	131.6°	+0.8°	70.0 m	Beacon II
2004	LMB-04-05	abandoned						
2004	LMB-04-06	308922.0	5330524.9	4916.3	131.0°	-29.5°	80.0 m	Beacon II
2004	LMB-04-07	308898.2	5330542.9	4918.1	209.3°	-0.4°	120.0 m	Beacon II
2004	LMB-04-08	308989.3	5330541.2	4919.5	208.8°	+27.3°	75.0 m	Beacon II
2004	LMB-04-09	308898.1	5330542.8	4917.6	210.1°	-20.8°	141.0 m	Beacon II
2004	LMB-04-24	308901.5	5330553.8	4918.0	239.3°	-1.1°	147.0 m	
2004	LMB-04-25	308902.1	5330553.6	4919.0	243.5°	+20.6°	147.0 m	
2004	LMB-04-26	308901.4	5330553.7	4917.4	237.8°	-24.1°	165.0 m	
2004	LMB-04-27	309199.1	5330606.7	4917.1	143.9°	-0.2°	75.0 m	

2004	LMB-04-28	309199.0	5330607.0	4917.9	143.2°	+26.4°	81.0 m	
2004	LMB-04-29	309199.1	5330606.7	4916.4	142.4°	-29.3°	81.0 m	
2005	LMB-05-01	309004.1	5330634.7	4917.5	43.6°	-0.1°	60.0 m	
2005	LMB-05-02	309003.6	5330634.4	4918.4	40.0°	+30.0°	50.0 m	
2005	LMB-05-03	309004.1	5330634.8	4916.8	40.3°	-23.9°	70.0 m	
2005	LMB-05-04	308915.9	5330586.8	4917.9	338.7°	-0.3°	102.0 m	
2005	LMB-05-05	308915.8	5330586.9	4918.8	340.0°	+18.0°	90.0 m	
2005	LMB-05-06	308915.9	5330586.8	4917.7	339.2°	-14.3°	111.0 m	
1984	870-E-1	310119	5331249	4991.48	136.81°	-58.07°	185.01 m	Beacon I
1984	900-E-1	310139	5331266	4992.66	133.22°	-60.5°	194.15 m	Beacon I
1984	930-E-1	310163	5331285	4994.0	139.5°	-60°	181.36 m	Beacon I
								VMS
	26							VMS
	27							VMS
	28							VMS
	29							VMS
	30							VMS
	31							VMS
	32							VMS
	33							VMS
	34							VMS
	35							VMS
	36							VMS
	37							VMS
	99							VMS
	102							VMS
	104							VMS
	106							VMS
	108							VMS
	65-5							VMS
	102-5							VMS
	131-1							VMS
	146-1							VMS
	152-1							VMS
	168-1							VMS
	176-1							VMS
	B-69-62							VMS
	L 20W-1							VMS
	S-2-1							VMS
	S-2-2							VMS
	S-2-3							VMS
	S-2-4							VMS
	S-2-5							VMS

	S-2-6						VMS	
	S-2-7						VMS	
	S-2-8						VMS	
	S-2-9						VMS	
	S-2-10						VMS	
	S-2-11						VMS	
	S-2-12						VMS	
	S-2-13						VMS	
	S-2-14						VMS	
	S-2-15						VMS	
	S-2-16						VMS	
	S-2-17						VMS	
	S-2-18						VMS	
	S-2-19						VMS	
	S-2-21						VMS	
	S-2-21						VMS	
	S-2-22						VMS	
	S-2-23						VMS	
	S-2-24						VMS	
	S-2-25						VMS	
	S-16-1						VMS	
1981	VV-1				360°	-90°	198.2 m	Beacon I
1981	VV-2				360°	-90°	198.5 m	Beacon I
1981	VV-3				360°	-90°	228.7 m	Beacon I
1981	VV-4				360°	-90°	246.9 m	Beacon I
1981	VV-5				180°	-50°	122.0 m	VMS

Figure 3: Beacon II and Leroy Area

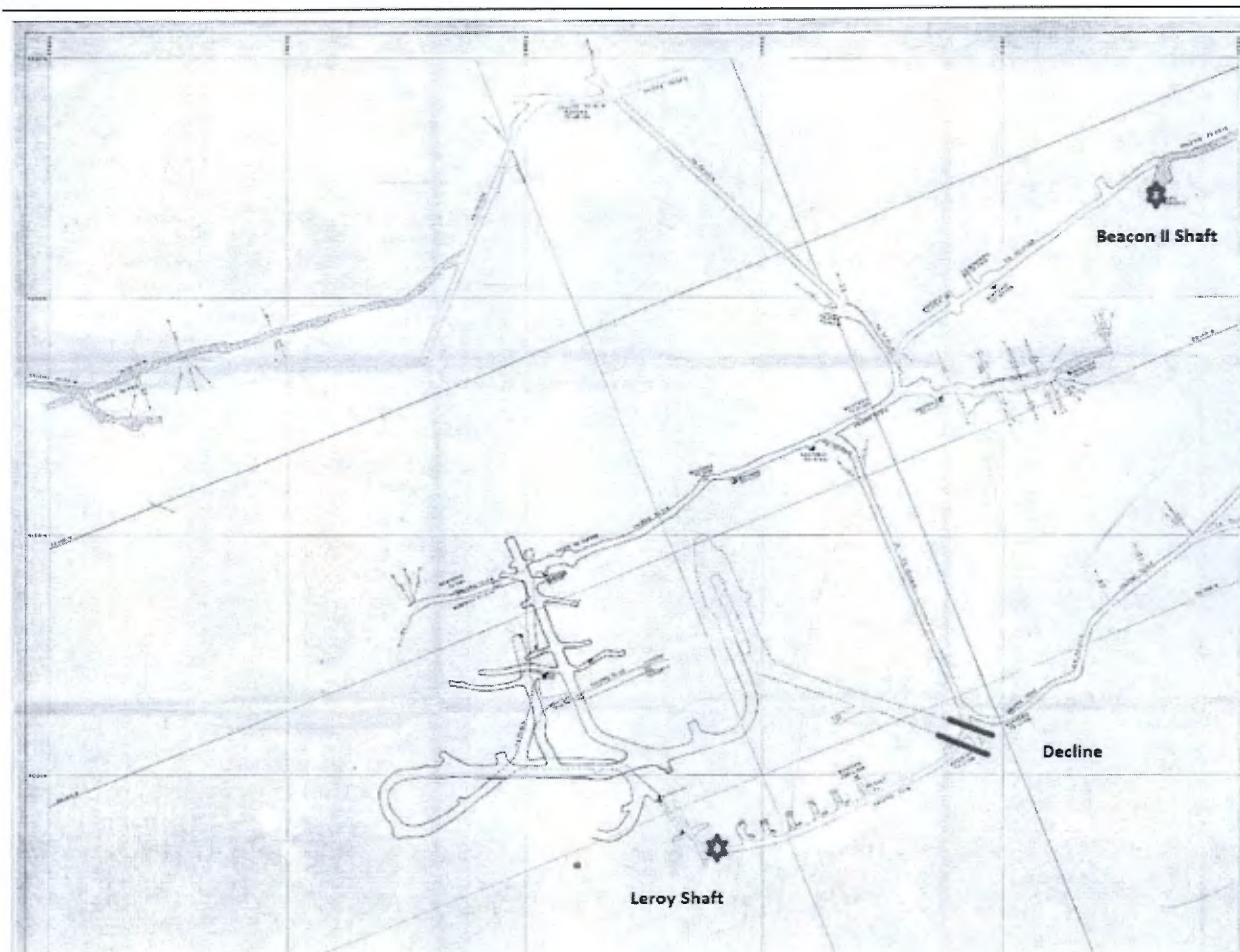


Figure 4: Location of major veins, Beacon II

