Occurrence Details

Occurrence Number: 115J 028
Occurrence Name: Casino
Occurrence Type: Hard-rock
Status: Deposit
Date printed: 12/16/2025 7:47:12 AM

General Information

Primary Commodities: copper, gold, molybdenum, silver
Deposit Type(s): Porphyry Cu-Mo-Au
Location(s): 62°44'16" N - -138°49'41" W
NTS Mapsheet(s): 115J10
Location Comments: GPS location within planned pit.
Hand Samples Available: Yes
Last Reviewed:

Capsule

Work History

The earliest exploration activity in the area was placer mining on Canadian Creek in 1911. The first lode claims, Tungsten and Nick cl (12624) were staked in 1917 by N. Hansen following identifications of huebnerite in the placer concentrates by the Geological Survey of Canada in 1916. Claims partially covering the porphyry were staked on numerous occasions for either tungsten or gold, including the BRC cl (57619) in July 1949 by H. Colley.

Restaked as Cat cl 1-23 (92201) in July 1965 by Casino Silver Mines Ltd. The company added Cat cl 24-42 (92764) in Sep/1965 and Cat cl 47-70 (95724) in Dec/1965. The claims were staked in conjunction with work on the nearby Bomber occurrence (Minfile Occurrence 115J 027). Casino performed soil sampling, mag and EM surveys in 1966 and 1967 for silver-lead veins but the focus quickly shifted to the bulk tonnage, open pit potential after soil geochemical surveys returned widespread anomalous copper and molybdenum values over an intensely altered and deeply weathered intrusive complex.

In late 1967, the Brynelson Group acquired control of Casino and performed grid soil sampling and mapping. The property was optioned to Brameda Resources Ltd in May/1969, and in the period to Aug/1970, the porphyry deposit was explored by detailed mapping, IP surveys and 11 275.2 m of BQ diamond drilling and 5 328.8 m of rotary drilling (84 holes total), largely financed by Quintana Minerals Corporation. Preliminary metallurgical studies were also completed. Although results were encouraging and a 45 tonne/day test mill was enroute to the property, all work terminated abruptly in Aug/1970 when Quintana withdrew financial support.

In 1973, Brameda exchanged its option for a 38.4% equity in Casino Silver Mines Ltd, after which Brameda merged with Teck Corporation Ltd. Later that year, Casino with financing from Teck, conducted gold geochemical and EM surveys, drilled 7 holes (1421.0 m) and added Rat, cl 1-44 (Y75586).

Although recognized as a major resource, the Casino property was inactive throughout most of the 1970s and early 1980s due to low copper prices. In 1985, the leached cap portion of the property was optioned to Archer, Cathro & Associates (1981) Ltd and explored by Permian Resources Ltd & Nordac Mining Corp, which conducted geochemical surveys, metallurgical testing and 6 018 m of bulldozer trenching directed toward heap leach gold potential.

Archer, Cathro optioned the entire property in Nov/1991 and transferred its interest to Big Creek Resources Ltd which added Cas cl 1-42 (YB36552) to the north and east; Dip 1-81 cl (YB36588) to the east and south; Cat cl 28, 30,32 and 34 (YB36999) to the northwest and F cl 1-49 (YB37252), G cl 1-32 (YB37300) and I cl 1-38 (YB37640) to the southwest between Dec/1991 and Sep/1992.

Big Creek Resources evaluated the gold potential of the deposit with 21 large diameter diamond drill holes (4 724.4 m) in 1992, before amalgamating with Pacific Sentinel Gold Corporation effective 1 Dec/92. At the same time, Pacific Sentinel acquired Casino Silver Mines Ltd as a wholly owned subsidiary, thus obtaining a 100% interest in the property subject only to a 5% net profits interest to Archer Cathro.

In Mar/1993, Pacific Sentinel commenced a $7.2 million diamond drilling program with the aim of fully delineating the deposit. In Aug/1993, an environmental baseline survey was completed on the A,B,C,D,E,F,G,H,I and Dip claims, and between March and November, 127 holes were drilled totaling 5 0 316 m.

In 1994, Pacific Sentinel completed an infill, delineation and geotechnical drilling program comprising 16 800 m of large diameter diamond drilling in 83 holes. In addition 34 geotechnical holes, totaling 2 896 m were completed for mine engineering design purposes. Following completion of the drilling program the company embarked on extensive metallurgical testing of several possible process options for the mineral zones. At the end of 1994, the company began pre-feasibility studies.

In Nov/1997 Pacific Sentinel merged with Consolidated North Coast Industries Ltd to form Great Basin Gold Ltd. In May/2000 Great Basin Gold optioned 55 claims (Casino "B" claims) located to the west which adjoin the neighbouring Ana claims to Wildrose Resources Ltd. Wildrose also undertook responsibility to file assessment work on the remaining claims which cover the actual Casino deposit. In 2000 Wildrose Resources drilled 4 diamond drill holes (531.57 m) on the optioned claims. The company followed up with prospecting and rock sampling in 2001.

In July 2002 Great Basin optioned the Casino deposit to CRS Copper Resources Corporation, a private British Columbia company focused on the acquisition, exploration and development of advanced stage copper properties. First Trimark Ventures Inc subsequently acquired CRS in May/2003 before changing its name to Lumina Copper Corporation. A plan of arrangement to restructure Lumina Copper Corporation into four separate companies was completed and announced in May/2005. Lumina Resources Corporation, which began trading on the Toronto Stock Exchange in May 2005, assumed operational control of the Casino Project.

In Sep/2006 Western Copper Corporation acquired Lumina Resources Corp and its option agreement covering the Casino property. In Jun/2007 Western Copper staked Vik cl 1 -188 (YC64893) to the south and east. In Jul/2007 the company initiated a pre-feasibility study of the property. In Aug/2007 Western Copper purchased Great Basin Gold's interests in the Casino property for $1 000 000.00 cash thus consolidating 100% control of the property with Western Copper. This agreement did not cover the Casino "B" claims which remained part of the adjoining Canadian Creek property (Minfile Occurrences 115J 101, 036 & 035).

Western Copper announced the results of positive pre-feasibility in Jun/2008. The study which included resource and reserve calculations, estimated an initial capital cost of $2.1 billion with production of 3.6 billion pounds copper, 320 million pounds molybdenum and 5.1 million ounces of gold over a 30 year mine life. An average mill throughput of 90,000 tonnes per day of sulphide ore was used in the calculation. During 2008 the company refurbished the camp facilities, drilled 3 diamond drill holes (1 163 m) and continued collecting baseline environmental studies.

In 2009, Western Copper completed a Quantec Titan 24 deep-penetration geophysical survey over the Casino deposit in order to identify zones of potential mineralization outside the area of currently defined mineralization. The geophysics program was followed-up with 37 diamond drill holes (10 850 m). Twenty-seven holes (6 616 m) were infill holes drilled to upgrade inferred and undefined material to measured and indicated classes. The remaining 10 holes (4 327 m) targeted geophysical targets identified by the Quantec Titan geophysical survey.

In 2010 Western Copper continued infill and delineation drilling. Forty-six exploration drill holes (12 046.2 m) were completed. An additional 16 drill holes (2 084.79 m) were collared for geotechnical and hydrogeological studies and one hole (153.92 m) was drilled for a water well. Between April and Jun/2010 Western Copper relogged all Pacific Sentinel core stored on the property in order to

provide data for new lithology and alteration models and to group the geological units into four generalized rock groups.

On November 1, 2010 Western Copper released an updated NI 43-101 compliant resource estimate for the Casino Gold-Copper-Molybdenum project. The new estimate incorporated 26 000 m of new drilling performed by Western Copper since the resource estimate released as part of the Jun/2008 pre-feasibility study.

In Apr/2011 Western Copper released an updated pre-feasibility study for the Casino project. The study recommends that the Casino project be built as an open pit mine and a mill processing 120 000 tonnes per day of ore, resulting in the production of 14 913 975 grams (435 000 ounces) of gold, 106.2 million kilograms (234 million pounds) copper 5.9 million kilograms, (13 million pounds) of molybdenum and 54 856 000 grams (1.6 million ounces) of silver per year. The study estimated an initial capital cost of 2.13 billion and a mine production schedule of three years of preproduction followed by 20 years of commercial pit operations. The processing of low grade ores would extend commercial production an additional 3 years. The gold-rich leached cap would be mined separately using conventional heap leach technology that would begin in the first year of preproduction and continue until year 4 of commercial production.

As part of the per-feasibility study consultants recommended building a new airstrip to service the Casino project. In order to achieve this goal Western Copper staked Fly cl 1-12 (YD04375) approximately 14 km to the southwest along the southern branch of Dip Creek.

On June 23, 2011 Western Copper announced its intention to spin out various assets to two new subsidiaries. The result of this plan would result in the Casino project become the company's main asset. On October 3, 2011 shareholders approved the asset spin out and a change in the company's name to Western Copper and Gold Corporation. On October 5, 2011 the Supreme Court of British Columbia granted the final order approving the previously announced plan of arrangement.

In the fall of 2011 Western Copper and Gold began initial engineering studies required before initiating a feasibility study. In Jan/2012 the company began working on a feasibility study to bring the Casino project to production. The company continued working on the feasibility study through 2012.

In January 2013, Western Copper and Gold released a 43-101 compliant feasibility study. See Capsule Geology for this resource estimate.
In 2019, Western Copper carried out a program of infill drilling, comprising 13,590 m in 72 holes. This program was designed to upgrade mineralization in the inferred resource category located along the margin of the deposit to the indicated category.
In 2020, the company completed a diamond drilling program comprising 12,007.54 m in 49 holes, targeting three main areas: the Gold, Northern Porphyry and Casino West zones. Drilling at the Gold Zone was designed to test for higher grade mineralization along the south and west boundaries of the deposit. Northern Porphyry zone drilling targeted potential northern extensions of the deposit. Drilling at the Casino West zone was designed to test for continuation of the deposit along the south flank of Canadian Creek.
In 2021, the company completed a diamond drilling program comprising 6,358.97 m in 22 exploration holes and 7 geotechnical holes.
In August, 2022, the company completed an updated Feasibility Study for the project.

Capsule Geology

The Casino deposit is one of the largest, highest grade porphyry deposits in Canada. It is located within the Dawson Range, a west-central portion of the Yukon-Tanana terrane. The Yukon-Tanana terrane is composed dominantly of metamorphic rocks inferred to be Devonian to Mississippian in age that has been intruded by numerous Mesozoic granitic bodies and plutons hosting copper, molybdenum and gold mineralization.

In the deposit area, Yukon-Tanana terrane rocks are intruded by the mid-Cretaceous Dawson Range batholith, and subsequent Casino Intrusions. The Dawson batholith measures an approximately 300 km long by 60 km wide and extends northwest of Carmacks to the Alaskan border and dominates the geology of the Dawson Range. At the Casino deposit, the batholith consists of undeformed granodiorite.

The Dawson Range batholith is in turn intruded by the Casino Plutonic Suite which is represented by fine- to medium-grained leucocratic granite, quartz monzonite and alaskite with associated aplite phases. The Casino Plutonic Suite is composed of stocks up to 18 km in diameter and is only exposed in the Colorado Creek (NTS 115 J/9) and Selwyn River (NTS 115 J/10) map areas. The Casino Plutonic Suite was originally thought to be Late Cretaceous (70 Ma) but work by Selby et al., (1999) indicates that although the Casino Plutonic Suite intrudes the Dawson Range Batholith, its age is indistinguishable (104.2 +/- 0.5 Ma, U-Pb zircon). Late Cretaceous igneous activity produced a northwest-trending belt of small stocks, one of which, the Patton porphyry intrudes the Casino Plutonic Suite rocks, producing the copper-gold-molybdenum mineralization present at the Casino deposit.

The Patton porphyry (72-74 Ma) represents two or more episodes of high-level intrusion of porphyritic hypabyssal dacite to rhyodacite. The main body of Patten porphyry, a few hundred metres across, occurs northwest of Patton Hill. Abundant Patton porphyry fragments occur in the adjacent microbreccia. The contacts between the Patton porphyry and the microbreccia are variable and range from sharply intrusive to gradational. Elsewhere, Patton porphyry forms many discontinuous dikes ranging from a few cm to 20 m wide; these cut Casino quartz monzonite and less commonly rocks of the Dawson Range batholith.

The Casino deposit is centred on an Upper Cretaceous-age, east-west elongated porphyry stock (Patton porphyry) that intrudes the Dawson Range Batholith and Yukon Tanana terrane country rocks. Intrusion of the stock into the older rocks caused brecciation of both the intrusive and surrounding country rocks along the northern, southern and eastern contact of the stock. Brecciation is best developed in the eastern end of the stock where breccia can be up to 400 m wide in plan view. To the west, and along the north and south contact, the breccia narrows gradually to less than 100 m. Only minor amounts of drilling have been completed at the western end of the stock and it is not known if breccia is present along this contact. Intruded into the stock and surrounding granitoids and metamorphic rocks are younger, non-mineralized dykes of similar composition to the older stock and a late diatreme (or explosive breccia) which forms both a pipe-like body in the west and dyke-like body in the east.

Hypogene (or primary) mineralization occurs throughout the various alteration zones of the Casino deposit. It occurs mainly in the steeply plunging, in-situ contact breccia surrounding the Patton Porphyry intrusive plug and consists of recrystallization and exsolution of hydrothermal fluids from late Cretaceous magmas of the Prospector Plutonic Suite. Hydrothermal alteration consists of a potassic alteration zone about 450 m in diameter and a surrounding phyllic zone that extends 300 m into the Dawson Range Batholith. This alteration and the copper-molybdenum-gold mineralization are centered on the breccia. The breccia forms an ovoid band around the main porphyry body with dimensions up to 250 m. Based on diamond drilling completed to the end of 2011 the Casino deposit measures approximately 1.8 by 1.0 kilometres.

Primary mineralization consists of pyrite, chalcopyrite, molybdenite and minor huebnerite, and is concentrated in the phyllic zone along the inner side of a pyrite halo and is surrounded by weakly developed argillic and propylitic alteration. The deposit has not been glaciated and the high permeability associated with the brecciated and strongly altered mineralization has resulted in very deep weathering (up to 300 m) and the development of a classic stratified porphyry deposit consisting of: 1) a leached cap, followed by; 2) a narrow supergene oxide zone; and 3) a supergene sulphide zone lying above the main hypogene mineralization.

The leached cap (oxide gold zone) is gold-enriched and copper depleted due to supergene alteration processes as well as the lower specific of this zone relative to the other zones. It averages 70 m thick and is characterized by boxwork textures partly filled by jarosite, limonite, goethite and hematite. This weathering has completely destroyed rock textures and replaces most minerals with clay that is friable to the touch and often stained yellow, orange and/or brown by iron oxides.

The supergene oxide zone is poorly understood and exists as a few perched bodies within the leached cap. It is copper-rich and contains trace molybdenite and likely formed due to more recent fluctuations in the water table. Where present the zone averages 10 m thick and can contain chalcanthite, malachite, brocanthite, with minor azurite, tenorite, cuprite and neotocite. The zone is thought is thought to be related to present day topography and is best developed where oxidation of early secondary copper sulphides occur above the water table, on well drained slopes.

The supergene sulphide (copper) zone occurs in an up to 200 m-deep weathered zone below the leached cap and above the hypogene mineralization. It has an average thickness of 60 m and is in part controlled by the distribution of pyrite, fracture density and by the erosion surface at the time of leaching. The high pyrite content of the phyllic zone promotes leaching; thus, secondary enrichment zones are thicker near the contact of the potassic and phyllic alteration zones. Copper grades in the supergene sulphide zone are almost double the copper grades in the Hypogene (0.43% copper versus 0.23% copper).Grain borders and fractures in chalcopyrite, bornite and tetrahedrite may be altered to chalcocite, diginite and/or covellite. Chalcocite also locally coats pyrite grains and clusters, and may extend along fractures deep into the hypogene zone. Molybdenite is largely unaffected by supergene processes, other than local alteration to ferrimolybdite. In drill core the supergene sulphide zone is generally broken with decreasing clay alteration and weathering is "stained" dark blue to gray.

The hypogene zone lies under the supergene sulphide zone. Its exact thickness is not yet known as mineralization was present at the bottom of the deepest drilled hole; over 600 m from surface. Hypogene mineralization (or primary) consists of pyrite, chalcopyrite and lesser molybdenite.

Early exploration in the area was centred on the silver-lead vein discovered at the Bomber occurrence (Minfile occurrence # 115J 027) located approximately 2 km to the south. Soil sampling, geological mapping, trenching and various geophysical surveys during the mid-1960's led to a large diamond/rotary drilling program in 1969-70. In Dec/69 Casino Silver Mines announced the

discovery of a potential billion plus tonne low-grade, copper-molybdenum deposit. Although the project has lain dormant at times all exploration work since 1969 has been aimed at bringing the deposit into production.

A major breakthrough in the projects history occurred in 1991 when Archer, Cathro and Associates (1981) Ltd re-assayed Casino core for its gold content. The realization that the deposit might hold economic amounts of gold led Archer, Cathro to option the property in Nov/91. The company immediately optioned the property to Big Creek Resources which carried out a large diamond drill program in 1992. In Dec/92 Big Creek Gold amalgamated with Pacific Sentinel Gold to try and bring the deposit into production.

In the spring of 1994 Pacific Sentinel released a historic resource estimate (i.e. not NI-43-101 compliant) of 558 million tonnes containing 1.43 billion kilograms of copper, 184.79 million grams of gold and 140 million kilograms of molybdenum from the leached cap, supergene (oxide and sulphide) and hypogene zones. Included in this calculation is an expanded high grade open pit mineable core of 90 million tonnes grading 0.4% copper, 0.05% molybdenum and 0.48 g/t gold. (Yukon Exploration and Geology 1993, p. 4 and Pacific Sentinel Gold Corp. 1993 Annual Report p. 4).

The property saw intermittent work through the 1990's and early 2000's. In Jan/2003 CRS Copper Resources Corp and First Trimark Ventures Inc released a National Instrument 43-101 compliant technical report (under the name Lumina Copper Corp) which contained individual resource estimates for the leach cap, supergene oxide, supergene sulphide and hypogene zones (see Reserves section for details). In Feb/2004 Lumina Copper Corp released updated resource figures for the four zones employing copper equivalent (Cu EQ) grades.

Following Western Copper Corp's purchase of the property in Sep/1996 the company set about consolidating the property under one owner. In Aug/2007 Western Copper initiated a pre-feasibility study of the Casino property which was released in Jun/2008 (see Reserves section). This study updated the resource figures for the four zones and introduced further refinements to the statistical analysis used to estimate grade and tonnage. This led to an overall decrease in the tonnage reported for the measured and inferred classes when compared to values reported in the 2004 resource estimate.

The 2008 pre-feasibility study also included the first NI 43-101 mineral reserve estimate for the Casino project. The reserve estimate is based on pit design and the mine production schedule developed in the pre-feasibility study and is reported as a mill ore reserve and heap leach reserve. The heap leach reserve tonnage figure is higher and the gold grade is lower than that reported in the resource estimate. This difference attributed to the lower recoveries and higher tonnages required to mine the heap leach cap. The mill ore reserve tonnage figure and the overall gold and copper grades are lower that the resource estimates. This difference is attributed to the actual mining plan as some ore reported in the resource calculation will not actually be mined.

The 2008, 2009 and 2010 diamond drilling programs were designed to increase the property's resources/reserves. On November 1, 2010 Western Copper announced an updated resource estimate for the Casino project. The estimate employed the results of 26 000 m of core drilled in 2008, 2009 and 2010 and reinterpretation of the geology which included the re-logging of 90 000 m of core originally drilled by Pacific Sentinel Gold Corp. The immediate goal of increasing the near-surface supergene sulphide zone was achieved with the size of this zone increasing from 133 million tonnes to 252 million tonnes at the measured and indicated level. Other noteworthy increases were obtained in the inferred resource of the supergene oxide, supergene sulphide and hypogene zones which increased from 232 million tonnes to 1 696 million tonnes. Current resources at the Casino project employing a 0.25% copper equivalent (Cu EQ) cutoff, total 1.06 billion tonnes of combined supergene oxide, supergene sulphide and hypogene mineralization at the measured and indicated level. The leached cap/oxide gold zone (employing a 0.40 g/t gold cutoff) currently hosts an additional 32 million tonnes of combined measured and indicated resources.

The 2011 pre-feasibility study updated and revised the various parameters used in the earlier 2008 pre-feasibility study. As part of the study an updated mineral reserve was calculated for the Casino project. The reserve estimates differ from the resource estimates because reserves are based on the mine and plant production schedule.

As of May/2011 the Casino project hosts a mill ore reserve of 975.8 million tonnes grading 0.202% copper, 0.238 g/t gold, 0.0229% molybdenum and 1.73 g/t silver. The heap leach reserve is an additional 81.6 million tonnes at 0.37 g/t gold, 2.55 g/t silver and 0.041% copper. The mill ore reserve increased approximately 7% over the 2008 reserve figure, however this figure does not take into account the approximately 600 percent increase in inferred resources. The heap leach reserve has increased approximately 4.7 % over the 2008 reserve figure.

In January 2013, Western Copper and Gold released a 43-101 compliant feasibility study. The deposit hosts a total of 965 million tonnes of proven and probable mill ore reserves and 157 million tonnes of proven and probable heap leach reserves. Based on the economic analysis, the Property will produce the following over the life of the mine from heap leach and flotation: Gold: 178 tonnes (5.72 million ounces), silver: 941.2 tonnes (30.26 million ounces), copper: 1.6 million tonnes (3.58 billion pounds) and molybdenum: 147,000 tonnes (325 million pounds).

The mineral resource was divided into two zones: the Supergene and Hypogene Zone (or Mill Resource) and the Leached Cap/ Oxide Gold Zone (Heap Leach Resource).

RESOURCE: The Supergene and Hyphogene Zone is tabulated at a 0.25% copper-equivalent cutoff grade. Measured and indicated supergene (oxide and sulphide) and hypogene resource are listed as 1.057 billion tonnes at 0.2% copper, 0.23 g/t gold, 0.022% molybdenum, and 1.71 g/t silver. The Inferred resource is an additional 1.7 billion tonnes at 0.14% copper, 0.16 g/t gold, 0.019% molybdenum, and 1.37 g/t silver.

The Leach Cap/ Oxide Gold zone contains potential heap leach ore and is tabulated at a 0.25 g/t gold cutoff grade. Measured and indicated heap leach ore amounts to 84 million tonnes at 0.04% copper, 0.4 g/t gold, and 2.57 g/t silver. Inferred resource is an additional 17 million tonnes at 0.01% copper, 0.31 g/t gold, and 1.93 g/t silver.

RESERVES: Based on the mine plan and production schedule, the Mill Ore Reserve (proven and probable) is calculated as 965.2 million tonnes at 0.20% copper, 0.24 g/t gold, 0.023% molybdenum, and 1.74 g/t silver. The Heap Leach Reserve (proven and probable) adds up to an additional 157.5 million tonnes at 0.29 g/t gold, 0.036% copper and 2.21g/t Ag.

Work History

Date	Work Type	Comment
8/1/2021	Studies	
8/1/2021	Drilling	22 exploration holes, 7 geotechnical holes, 6,358.97 m
8/1/2021	Studies	
8/1/2021	Geochemistry	
8/1/2021	Geochemistry	
8/1/2020	Drilling	52 holes, 12,006 m
8/1/2020	Studies	
8/1/2008	Drilling	3 holes, 1,163 m. No report received yet.
8/1/1993	Geochemistry	
8/1/1993	Studies	
8/1/1993	Geochemistry	
8/1/1993	Studies	
8/1/1993	Trenching	
8/1/1993	Geology	

8/1/1993	Studies	
8/1/1971	Drilling	7 holes, 1,420.98 m
8/1/1970	Studies	
8/1/1970	Drilling	
8/1/1970	Geochemistry	
8/1/1970	Lab Work/Physical Studies	
8/1/1970	Studies	
8/1/1970	Airborne Geophysics	
8/1/1970	Airborne Geophysics	
8/1/1968	Geology	
8/1/1968	Geochemistry	
8/1/1968	Geochemistry	
8/1/1968	Geochemistry	
8/1/1968	Other	
8/1/1967	Geochemistry	
8/1/1967	Drilling	12 holes, 1,047.90 m
8/1/1967	Geochemistry	
8/1/1967	Ground Geophysics	
8/1/1967	Trenching	
8/1/1966	Geochemistry	
8/1/1966	Ground Geophysics	
8/1/1965	Airborne Geophysics	
12/31/2009	Drilling	Thirty-nine holes, 10,850 m. No report received yet.
12/31/2009	Ground Geophysics	Quantec Titan 24 deep-penetration IP and magnetic survey.
12/31/2008	Development, Surface	Cleaned up and rehabilitated camp facilities
12/31/2008	Studies	Also collected baseline environmental data.
12/31/2003	Geochemistry	Sampling covered Casino B grid located halfway between this occurrence and Minfile Occurrence #115J 101.
12/31/2001	Geochemistry	Also prospecting.
12/31/2001	Geochemistry	Carried out on Casino "B" claims. Re-established 1986 soil sample grid and collected several lines of samples to confirm earlier results.
12/31/2001	Other	Prospecting.
12/31/2000	Drilling	Four holes, 531.57 m. Drilled on Casino "B" claims, optioned from Great Basin Gold. Part of larger program conducted on adjoin Ana and Koffee claims.
12/31/1994	Drilling	One hundred and eight holes, 18, 126.5 m. Thirty-four of the holes were for mine engineering purposes.
12/31/1994	Studies	
12/31/1994	Lab Work/Physical Studies	
12/31/1993	Drilling	One hundred twenty-seven holes, 50,316 m.
12/31/1992	Drilling	Twenty-one holes, 4,72.4 m.
12/31/1985	Geochemistry	
12/31/1985	Trenching	
12/31/1973	Drilling	Seven holes, 1,421 m.
12/31/1973	Geochemistry	
12/31/1973	Ground Geophysics	
12/31/1970	Drilling	Forty-six holes, 4,572 m.
12/31/1970	Drilling	Thirty-five holes, 5,417 m.
12/31/1969	Drilling	Three holes, 670.6 m.
12/31/1969	Lab Work/Physical	Preliminary metallurgical studies

12/31/1969	Studies	Preliminary metallurgical studies.
12/31/1969	Trenching	
12/31/1967	Geology	
12/31/1967	Geochemistry	
12/31/1966	Geochemistry	
12/31/1966	Ground Geophysics	Also EM surveys.
12/13/2012	Studies	Company initiated feasibility study.
12/13/2011	Studies	Released updated Pre-feassibility study for Casino Project.
12/13/2010	Studies	Released NI 43-101 compliant resource estimate for deposit.
12/13/2010	Drilling	Infill and delineation drilling. 46 drill holes (12 046.2 m) were for exploration, 16 drill holes (2 084.79 m) were geotechnical/hydogeological studies, 1 drill hole (153.92 m) was water well.
12/13/2010	Geochemistry	Re-logged all of Pacific Sentinel Gold's drill core to simplify geological units.
12/1/2022	Drilling	33 holes, 2118.03 m, geotechnical and exploration
12/1/2022	Studies	
1/1/2013	Studies	
1/1/2012	Drilling	6 holes (228.07 m) for geotechnical purposes and 5 holes (1,507.63 m) for metallurgical sampling.
1/1/2011	Drilling	41 drill holes totalling 3,163.26 m, geotechnical and exploration.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
096384	2012	2012 Assessment Report for the Casino Property	Diamond - Drilling, Diamond - Drilling, Drill Core - Geochemistry, Drill Core - Geochemistry, Geotechnical - Studies, Geotechnical - Studies, Pre-feasibility - Studies, Pre-feasibility - Studies	22	3597.40
095869	2011	2011 Assessment Report for the Casino Property	Diamond - Drilling, Diamond - Drilling, Drill Core - Geochemistry, Drill Core - Geochemistry, Geotechnical - Studies, Geotechnical - Studies	82	6326.52
095312	2010	2010 Assessment Report for the Casino Property	All Weather Road - Development, Surface, Diamond - Drilling, Drill Core - Geochemistry	2	484.73
095263	2009	2009 Assessment Report for the Casino Property	EM - Ground Geophysics, IP - Ground Geophysics, Resistivity - Ground Geophysics, Line Cutting - Other		
095057	2008	Summary Report of the 2008 Aster Image Program on the Canadian Creek Property	Infrared - Remote Sensing		
095199	2008	2008 Assessment Report for the Casino Property	Air Strip - Development, Surface, All Weather Road - Development, Surface, Environmental Clean-up - Development, Surface, Reclamation - Development, Surface, Diamond - Drilling, Drill Core - Geochemistry, Column Leach Test - Lab Work/Physical Studies	3	1163
120161	1994	Casino Project Assesment Report - 1994 Placer Exploration Program	Access Road - Development, Surface, Air Strip - Development, Surface, Reclamation - Development, Surface, Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Detailed Surficial Mapping - Geology, Heavy Mineral Concentrate - Lab Work/Physical Studies, Panning - Placer Processing, Mechanical - Trenching	51	464.21
093190	1993	1993 Summary Report-Casino Property	All Weather Road - Development, Surface, Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Heavy Mineral Concentrate - Lab Work/Physical Studies, Biophysical Mapping - Studies, Environmental Assessment/Impact - Studies, Geotechnical - Studies, Rock Mechanics - Studies, Mechanical - Trenching	127	50316
093056	1992	Assessment Report-Diamond Drilling-[on the Casino Project]	Diamond - Drilling, Drill Core - Geochemistry	21	4729.44
091348	1971	[Casino Silver Mines Limited-Group Plan and Drill Hole Geologic Logs]	Diamond - Drilling, Rotary - Drilling, Drill Core - Geochemistry, Drill Cuttings - Geochemistry	23	3949.29
019767	1970	Geophysical Report on Airborne Magnetic and Airborne Radiometric Surveys	Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics		
061125	1970	Summary Report-Casino Project-Yukon Territory-Brameda Resources Ltd.	Winter Road - Development, Surface, Diamond - Drilling, Rotary - Drilling, Drill Core - Geochemistry, Drill Cuttings - Geochemistry, Soil - Geochemistry, Petrographic - Lab Work/Physical Studies, Data Compilation - Pre-existing Data, Research/Summarize - Pre-existing Data, Pre-feasibility - Studies, Resource Estimate - Studies	44	13030.20
062035	1970	Report Brameda Resources Ltd.-Casino Creek Copper-Molybdenum Property	Cursory Property Visit - Other, Data Compilation - Pre-existing Data, Preliminary Economic Assessment - Studies, Resource Estimate - Studies		
091349	1969	[Casino Silver Mines Ltd.-Drill Hole Logs-Protore Zone 1969]	Diamond - Drilling, Rotary - Drilling, Drill Core - Geochemistry, Drill Cuttings - Geochemistry	50	11583.16

019100	1968	Geology and Geochemical Survey-Casino-Canadian Creek Property	Silt - Geochemistry, Soil - Geochemistry, Water - Geochemistry, Bedrock Mapping - Geology, Property Evaluation - Other, Prospecting - Other		
060740	1968	Geology and Geochemical Survey-Casino-Canadian Creek Property	Soil - Geochemistry, Bedrock Mapping - Geology		
060784	1967	Casino Silver Mines Ltd.-Engineering Report on the Year 1967	Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, EM - Ground Geophysics, Data Compilation - Pre-existing Data, Mechanical - Trenching	12	1047.90
017450	1966	Report on Geochemical Survey-Dip Creek Watershed	Silt - Geochemistry, Soil - Geochemistry		
019138	1966	Report on Profgram of Geophysical Data-Canadian Creek Part of Property Casino Creek	EM - Ground Geophysics		
019140	1966	Report on Geoochemical Survey-Casino Silver Mines Ltd.-Anomaly ""C"" Area	EM - Ground Geophysics		
019601	1966	[Geophysical Data, Reports, and Certificate of Expenditures-Casino Creek Area]	Detailed Bedrock Mapping - Geology, Data Compilation - Pre-existing Data		
019098	1965	Geophysical Report-Cat Claims-Casino Creek Area	Magnetic - Airborne Geophysics		

Related References

Number	Title	Page(s)	Reference Type	Document Type
YEG2001	Yukon Exploration and Geology 2001	24	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report
YEG1992	Yukon Exploration and Geology 1992	2 - 5	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report
YEG1995	Yukon Exploration and Geology 1995	10-11, 16	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report
YEG2008	Yukon Exploration and Geology 2008	22 - 23, 36	Yukon Geological Survey	Annual Report
YEG2003	Yukon Exploration and Geology 2003	17 - 18, 25	Yukon Geological Survey	Annual Report
YEG2009_OV	Yukon Exploration and Geology Overview 2009	45 - 46, 56, 58	Yukon Geological Survey	Annual Report
YEG2010_OV	Yukon Exploration and Geology Overview 2010	49, 62, 64	Yukon Geological Survey	Annual Report
YEG1993	Yukon Exploration and Geology 1993	4	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report
YEG1996	Yukon Exploration and Geology 1996	30	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report
YEG1997	Yukon Exploration and Geology 1997	35	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report
YEG2000	Yukon Exploration and Geology 2000	25, 27	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report
YEG2011_OV	Yukon Exploration and Geology Overview 2011	52, 69	Yukon Geological Survey	Annual Report
MIR1969_70	Mineral Industry Report 1969 - 70	55 -57	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Geology	Annual Report
ARMC012481	Vertical section I - Trench "C" - Casino - Fig. 3		Property File Collection	Geoscience Map (General)
ARMC012482	Vertical section II - Casino - Fig. 4		Property File Collection	Geoscience Map (General)
ARMC012483	Vertical section III - Casino - FIg. 5		Property File Collection	Geoscience Map (General)
ARMC012484	Plan map of diamond drilling and provisional geology - Casino		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC012486	Maps, special release report and report to the shareholders on the Casino and Canadian Creek property, Y.T.		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC012240	A geochemical discovery of an unglaciated Arizona-type porphyry - Casino		Property File Collection	Report
ARMC012489	Some remarks concerning the geology of the "Canadian Basin"		Property File Collection	Miscellaneous Company Documents
ARMC012479	Sample location map - Casino geochemical orientation survey - Fig. 1		Property File Collection	Geoscience Map (General)
ARMC016557	Geology map - 115J/10 - Colorado Creek		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC012480	Comparison of anomaly contrasts for total and cold-extractable Cu on stream sediments - Casino - Fig. 2		Property File Collection	Miscellaneous Company Documents
ARMC012488	Dispersion of some minor elements in the vicinity of Casino orebody		Property File Collection	Report

ARMC012478	Location plan - Casino area claims - 1969		Property File Collection	Geoscience Map (General)
ARMC016558	Geochemical values total extraction map - 115J/10 - Colorado Creek		Property File Collection	Geochemical Map
ARMC012487	Geology and rotary drilling at the Casino deposit		Property File Collection	Report
ARMC012485	Department of mines map - Klotassin River with hand drawn geology markings - Casino		Property File Collection	Geoscience Map (General)
YEG2016_OV5	Casino porphyry copper-gold-molybdenum deposit, central Yukon		Yukon Geological Survey	Annual Report Paper

Resource/Reserve

Year	Zone	Type	Commodity	Grade	Tonnage	Amount	Reported Amount	43-101 Compliant	Cut-off
2013	Mill Ore Reserve (Open Pit)	Proven	copper	.336 %	91,602,000		No	Yes	Unknown
Includes sulphide and oxide ore. Source: C. Huss et al, 2013.									
2013	Mill Ore Reserve (Open Pit)	Proven	gold	.437 g/t	91,602,000	40.03	No	Yes	Unknown
Includes sulphide and oxide ore. Source: C. Huss et al, 2013.									
2013	Mill Ore Reserve (Open Pit)	Proven	molybdenum	.0275 %	91,602,000		No	Yes	Unknown
Includes sulphide and oxide ore. Source: C. Huss et al, 2013.									
2013	Mill Ore Reserve (Open Pit)	Proven	silver	2.23 g/t	91,602,000	204.27	No	Yes	Unknown
Includes sulphide and oxide ore. Source: C. Huss et al, 2013.									
2013	Mill Ore Reserve (Open Pit)	Probable	copper	.19 %	873,605,000		No	Yes	Unknown
Includes sulphide and oxide ore. Source: C. Huss et al, 2013.									
2013	Mill Ore Reserve (Open Pit)	Probable	gold	.219 g/t	873,605,000	191.32	No	Yes	Unknown
Includes sulphide and oxide ore. Source: C. Huss et al, 2013.									
2013	Mill Ore Reserve (Open Pit)	Probable	molybdenum	.0222 %	873,605,000		No	Yes	Unknown
Includes sulphide and oxide ore. Source: C. Huss et al, 2013.									
2013	Heap Leach Reserve (Open Pit)	Proven	copper	.051 %	31,760,000		No	Yes	Unknown
Source: C. Huss et al, 2013.									
2013	Heap Leach Reserve (Open Pit)	Proven	gold	.48 g/t	31,760,000	15.24	No	Yes	Unknown
Source: C. Huss et al, 2013.									
2013	Heap Leach Reserve (Open Pit)	Proven	silver	2.79 g/t	31,760,000	88.61	No	Yes	Unknown
Source: C. Huss et al, 2013.									
2013	Heap Leach Reserve (Open Pit)	Probable	gold	.244 g/t	125,694,000	30.67	No	Yes	Unknown
Source: C. Huss et al, 2013.									
2013	Heap Leach Reserve (Open Pit)	Probable	silver	2.06 g/t	125,694,000	258.93	No	Yes	Unknown
Source: C. Huss et al, 2013.									
2013	Heap Leach Reserve (Open Pit)	Probable	copper	.032 %	125,694,000		No	Yes	Unknown
Source: C. Huss et al, 2013.									
2013	Mill Ore Reserve (Open Pit)	Probable	silver	1.68 g/t	873,605,000	1467.66	No	Yes	Unknown
Includes sulphide and oxide ore. Source: C. Huss et al, 2013.									
2013	Mill Resource (open pit)	Measured	copper	.34 %	93,000,000		No	Yes	0.25% CuEq
Includes sulphide and oxide ore. Source: C. Huss et al, 2013.									
2013	Mill Resource (Open Pit)	Measured	gold	.43 g/t	93,000,000	39.99	No	Yes	0.25% CuEq
Includes sulphide and oxide ore. Source: C. Huss et al, 2013.									
2013	Mill Resource (Open Pit)	Measured	molybdenum	.027 %	93,000,000		No	Yes	0.25% CuEq
Includes sulphide and oxide ore. Source: C. Huss et al, 2013.									
2013	Mill Resource (Open Pit)	Measured	silver	2.21 g/t	93,000,000	205.53	No	Yes	0.25% CuEq
Includes sulphide and oxide ore. Source: C. Huss et al, 2013.									
2013	Mill Resource (Open Pit)	Inferred	copper	.14 %	1,696,000,000		No	Yes	0.25% CuEq
Includes sulphide and oxide ore. Source: C. Huss et al, 2013.									
2013	Mill Resource (Open Pit)	Inferred	gold	.16 g/t	1,696,000,000	271.36	No	Yes	0.25% CuEq
Includes sulphide and oxide ore. Source: C. Huss et al, 2013.									
2013	Mill Resource (Open Pit)	Inferred	molybdenum	.019 %	1,696,000,000		No	Yes	0.25% CuEq

Includes sulphide and oxide ore. Source: C. Huss et al, 2013.									
2013	Mill Resource (Open Pit)	Inferred	silver	1.37 g/t	1,696,000,000	2323.52	No	Yes	0.25% CuEq
Includes sulphide and oxide ore. Source: C. Huss et al, 2013.									
2013	Mill Resource (Open Pit)	Indicated	copper	.19 %	963,600,000		No	Yes	0.25% CuEq
Includes sulphide and oxide ore. Source: C. Huss et al, 2013.									
2013	Mill Resource (Open Pit)	Indicated	gold	.21 g/t	963,600,000	202.36	No	Yes	0.25% CuEq
Includes sulphide and oxide ore. Source: C. Huss et al, 2013.									
2013	Mill Resource (Open Pit)	Indicated	molybdenum	.022 %	963,600,000		No	Yes	0.25% CuEq
Includes sulphide and oxide ore. Source: C. Huss et al, 2013.									
2013	Mill Resource (Open Pit)	Indicated	silver	1.66 g/t	963,600,000	1599.58	No	Yes	0.25% CuEq
Includes sulphide and oxide ore. Source: C. Huss et al, 2013.									
2013	Heap Leach Resource (Open Pit)	Measured	copper	.05 %	31,000,000		No	Yes	0.25g/t Au
Source: C. Huss et al, 2013.									
2013	Heap Leach Resource (Open Pit)	Measured	gold	.52 g/t	31,000,000	16.12	No	Yes	0.25 g/t Au
Source: C. Huss et al, 2013.									
2013	Heap Leach Resource (Open Pit)	Measured	molybdenum	.025 %	31,000,000		No	Yes	0.25 g/t Au
Source: C. Huss et al, 2013.									
2013	Heap Leach Resource (Open Pit)	Measured	silver	2.94 g/t	31,000,000	91.14	No	Yes	0.25 g/t Au
Source: C. Huss et al, 2013.									
2013	Heap Leach Resource (Open Pit)	Indicated	copper	.03 %	53,000,000		No	Yes	0.25 g/t Au
Source: C. Huss et al, 2013.									
2013	Heap Leach Resource (Open Pit)	Indicated	gold	.33 g/t	53,000,000	17.49	No	Yes	0.25 g/t Au
Source: C. Huss et al, 2013.									
2013	Heap Leach Resource (Open Pit)	Indicated	molybdenum	.017 %	53,000,000		No	Yes	0.25 g/t Au
Source: C. Huss et al, 2013.									
2013	Heap Leach Resource (Open Pit)	Indicated	silver	2.36 g/t	53,000,000	125.08	No	Yes	0.25 g/t Au
Source: C. Huss et al, 2013.									
2013	Heap Leach Resource (Open Pit)	Inferred	copper	.01 %	17,000,000		No	Yes	0.25 g/t Au
Source: C. Huss et al, 2013.									
2013	Heap Leach Resource (Open Pit)	Inferred	gold	.31 %	17,000,000		No	Yes	0.25 g/t Au
Source: C. Huss et al, 2013.									
2013	Heap Leach Resource (Open Pit)	Inferred	molybdenum	.008 %	17,000,000		No	Yes	0.25 g/t Au
Source: C. Huss et al, 2013.									
2013	Heap Leach Resource (Open Pit)	Inferred	silver	1.93 g/t	17,000,000	32.81	No	Yes	0.25 g/t Au
Source: C. Huss et al, 2013.									
2010	SUPERGENE SULPHIDE (OPEN PIT)	Measured	copper	.39 %	36,000,000	136077.7110	Yes	Yes	0.25% CuEq
Using 0.25% copper equivalent cut-off. Source = Casino Project 2010 Mineral Resource Update, December 1, 2010 by Giroux Consultants Ltd and Casselman Geological Services Ltd, (available on SEDAR).									
2010	SUPERGENE SULPHIDE (OPEN PIT)	Measured	gold	.41 g/t	36,000,000	15551.75	Yes	Yes	0.25% CuEq
Using 0.25% copper equivalent cut-off. Source = Casino Project 2010 Mineral Resource Update, December 1, 2010 by Giroux Consultants Ltd and Casselman Geological Services Ltd, (available on SEDAR).									
2010	SUPERGENE SULPHIDE (OPEN PIT)	Measured	molybdenum	.029 %	36,000,000	10432.63	Yes	Yes	0.25 CuEq
Using 0.25% copper equivalent cut-off. Source = Casino Project 2010 Mineral Resource Update, December 1, 2010 by Giroux Consultants Ltd and Casselman Geological Services Ltd, (available on SEDAR).									
2010	SUPERGENE SULPHIDE (OPEN PIT)	Measured	silver	2.34 g/t	36,000,000	84.24	Yes	Yes	0.25% CuEq
Using 0.25% copper equivalent cut-off. Source = Casino Project 2010 Mineral Resource Update, December 1, 2010 by Giroux Consultants Ltd and Casselman Geological Services Ltd, (available on SEDAR).									
2010	SUPERGENE SULPHIDE (OPEN PIT)	Indicated	copper	.24 %	216,000,000	498951.61	Yes	Yes	0.25% CuEq
Using 0.25% copper equivalent cut-off. Source = Casino Project 2010 Mineral Resource Update, December 1, 2010 by Giroux Consultants Ltd and Casselman Geological Services Ltd, (available on SEDAR).									
2010	SUPERGENE SULPHIDE (OPEN PIT)	Indicated	gold	.22 g/t	216,000,000	46655.25	Yes	Yes	0.25%
Using 0.25% copper equivalent cut-off. Source = Casino Project 2010 Mineral Resource Update, December 1, 2010 by Giroux Consultants Ltd and Casselman Geological Services Ltd, (available on SEDAR).									
2010	SUPERGENE SULPHIDE (OPEN PIT)	Indicated	molybdenum	.019 %	216,000,000	40823.31	Yes	Yes	0.25% CuEq
Using 0.25% copper equivalent cut-off. Source = Casino Project 2010 Mineral Resource Update, December 1, 2010 by Giroux Consultants Ltd and Casselman Geological Services Ltd, (available on SEDAR).									
2010	SUPERGENE SULPHIDE (OPEN PIT)	Inferred	copper	.2 %	102,000,000	226796	Yes	Yes	0.25% CuEq
Using 0.25% copper equivalent cut-off. Source = Casino Project 2010 Mineral Resource Update, December 1, 2010 by Giroux Consultants Ltd and Casselman Geological Services Ltd, (available on SEDAR).									
2010	SUPERGENE SULPHIDE (OPEN PIT)	Inferred	gold	.19 g/t	102,000,000	18662.10	Yes	Yes	0.25% CuEq
Using 0.25% copper equivalent cut-off. Source = Casino Project 2010 Mineral Resource Update, December 1, 2010 by Giroux Consultants Ltd and Casselman Geological Services Ltd, (available on SEDAR).									

2010	SUPERGENE SULPHIDE (OPEN PIT)	Inferred	molybdenum	.01 %	102,000,000	10433	Yes	Yes	0.25% CuEq
Using 0.25% copper equivalent cut-off. Source = Casino Project 2010 Mineral Resource Update, December 1, 2010 by Giroux Consultants Ltd and Casselman Geological Services Ltd, (available on SEDAR).									
2010	SUPERGENE SULPHIDE (OPEN PIT)	Inferred	silver	1.49 g/t	102,000,000	152407	Yes	Yes	0.25% CuEq
Using 0.25% copper equivalent cut-off. Source = Casino Project 2010 Mineral Resource Update, December 1, 2010 by Giroux Consultants Ltd and Casselman Geological Services Ltd, (available on SEDAR).									
2010	LEACHED CAP/OXIDE GOLD (OPEN PIT)	Measured	copper	.06 %	23,000,000	0	Yes	Yes	0.40 g/t gold
Using 0.40 g/t gold cutoff. Copper is not recovered from Leached Cap. Source = Casino Project 2010 Mineral Resource Update, December 1, 2010 by Giroux Consultants Ltd and Casselman Geological Services Ltd, (available on SEDAR).									
2010	LEACHED CAP/OXIDE GOLD (OPEN PIT)	Measured	gold	.59 g/t	23,000,000	12441	Yes	Yes	0.40 g/t gold
Using 0.40 g/t gold cutoff. Source = Casino Project 2010 Mineral Resource Update, December 1, 2010 by Giroux Consultants Ltd and Casselman Geological Services Ltd, (available on SEDAR).									
2010	LEACHED CAP/OXIDE GOLD (OPEN PIT)	Measured	molybdenum	.025 %	23,000,000	5896.70	Yes	Yes	0.40 g/t gold
Using 0.4 g/t gold cutoff. Source = Casino Project 2010 Mineral Resource Update, December 1, 2010 by Giroux Consultants Ltd and Casselman Geological Services Ltd, (available on SEDAR).									
2010	LEACHED CAP/OXIDE GOLD (OPEN PIT)	Measured	silver	3.23 g/t	23,000,000	74648	Yes	Yes	0.40 g/t gold
Using 0.40 g/t gold cutoff. Source = Casino Project 2010 Mineral Resource Update, December 1, 2010 by Giroux Consultants Ltd and Casselman Geological Services Ltd, (available on SEDAR).									
2010	LEACHED CAP/OXIDE GOLD (OPEN PIT)	Indicated	copper	.04 %	9,000,000	0	Yes	Yes	0.40 g/t gold
Using 0.40 g/t gold cutoff. Copper is not recovered in Leached Cap zone. Source = Casino Project 2010 Mineral Resource Update, December 1, 2010 by Giroux Consultants Ltd and Casselman Geological Services Ltd, (available on SEDAR).									
2010	LEACHED CAP/OXIDE GOLD (OPEN PIT)	Indicated	gold	.48 g/t	9,000,000	3110	Yes	Yes	0.40 g/t gold
Using 0.40 g/t gold cutoff. Source = Casino Project 2010 Mineral Resource Update, December 1, 2010 by Giroux Consultants Ltd and Casselman Geological Services Ltd, (available on SEDAR).									
2010	LEACHED CAP/OXIDE GOLD (OPEN PIT)	Indicated	molybdenum	.017 %	9,000,000	1360	Yes	Yes	0.40 g/t gold
Using 0.40 g/t gold cutoff. Source = Casino Project 2010 Mineral Resource Update, December 1, 2010 by Giroux Consultants Ltd and Casselman Geological Services Ltd, (available on SEDAR).									
2010	LEACHED CAP/OXIDE GOLD (OPEN PIT)	Indicated	silver	2.88 g/t	9,000,000	24883	Yes	Yes	0.40 g/t gold
Using 0.40 g/t gold cutoff. Source = Casino Project 2010 Mineral Resource Update, December 1, 2010 by Giroux Consultants Ltd and Casselman Geological Services Ltd, (available on SEDAR).									
2010	LEACHED CAP/OXIDE GOLD (OPEN PIT)	Inferred	copper	.01 %	1,000,000	0	Yes	Yes	0.40 g/t gold
Using 0.40 g/t gold cutoff. Copper is not recovered from Leached Cap zone. Source = Casino Project 2010 Mineral Resource Update, December 1, 2010 by Giroux Consultants Ltd and Casselman Geological Services Ltd, (available on SEDAR).									
2010	LEACHED CAP/OXIDE GOLD (OPEN PIT)	Inferred	gold	.44 g/t	1,000,000	0	Yes	Yes	0.40 g/t gold
Using 0.40 g/t gold cutoff. Recovery not measurable. Source = Casino Project 2010 Mineral Resource Update, December 1, 2010 by Giroux Consultants Ltd and Casselman Geological Services Ltd, (available on SEDAR).									
2010	LEACHED CAP/OXIDE GOLD (OPEN PIT)	Inferred	molybdenum	.006 %	1,000,000	0	Yes	Yes	0.40 g/t gold
Using 0.40 g/t gold cutoff. Recovery not measurable. Source = Casino Project 2010 Mineral Resource Update, December 1, 2010 by Giroux Consultants Ltd and Casselman Geological Services Ltd, (available on SEDAR).									
2010	LEACHED CAP/OXIDE GOLD (OPEN PIT)	Inferred	silver	2.09 g/t	1,000,000	3110	Yes	Yes	0.40 g/t gold
Using 0.40 g/t gold cutoff. Source = Casino Project 2010 Mineral Resource Update, December 1, 2010 by Giroux Consultants Ltd and Casselman Geological Services Ltd, (available on SEDAR).									
2010	SUPERGENE SULPHIDE (OPEN PIT)	Indicated	silver	1.72 g/t	216,000,000	370.1310	Yes	Yes	0.25% CuEq
Using 0.25% copper equivalent cut-off. Source = Casino Project 2010 Mineral Resource Update, December 1, 2010 by Giroux Consultants Ltd and Casselman Geological Services Ltd, (available on SEDAR).									
2008	HYPOGENE (OPEN PIT)	Indicated	copper	.18 %	795,000,000		No	Unknown	Unknown
Using 0.25% copper equivalent cut-off. These figures are National Instrument 43-101 compliant.; Casino Project Pre-feasibility Study Yukon Territory, Canada by M3 Engineering & Technology Corp. August 5, 2008. Available on Sedar.									
2008	HYPOGENE (OPEN PIT)	Measured	copper	.22 %	111,000,000		No	Unknown	Unknown
Using 0.25% copper equivalent cut-off. These figures are National Instrument 43-101 compliant.; Casino Project Pre-feasibility Study Yukon Territory, Canada by M3 Engineering & Technology Corp. August 5, 2008. Available on Sedar.									
2008	SUPERGENE SULPHIDE (OPEN PIT)	Indicated	copper	.29 %	100,000,000		No	Unknown	Unknown
Using 0.25% copper equivalent cut-off. These figures are National Instrument 43-101 compliant.; Casino Project Pre-feasibility Study Yukon Territory, Canada by M3 Engineering & Technology Corp. August 5, 2008. Available on Sedar.									
2008	SUPERGENE SULPHIDE (OPEN PIT)	Measured	copper	.39 %	33,000,000		No	Unknown	Unknown
Using 0.25% copper equivalent cut-off. These figures are National Instrument 43-101 compliant.; Casino Project Pre-feasibility Study Yukon Territory, Canada by M3 Engineering & Technology Corp. August 5, 2008. Available on Sedar.									
2008	SUPERGENE OXIDE (OPEN PIT)	Indicated	copper	.27 %	25,000,000		No	Unknown	Unknown
Using 0.25% copper equivalent cut-off. These figures are National Instrument 43-101compliant.; Casino Project Pre-feasibility Study Yukon Territory, Canada by M3 Engineering & Technology Corp. August 5 2008. Available on SEDAR.									
2008	SUPERGENE OXIDE (OPEN PIT)	Measured	copper	.36 %	21,000,000		No	Unknown	Unknown
Using 0.25% copper equivalent cut-off. These figures are National Instrument 43-101compliant.; Casino Project Pre-feasibility Study Yukon Territory, Canada by M3 Engineering & Technology Corp. August 5 2008. Available on SEDAR.									
2008	LEACHED CAP/OXIDE GOLD (OPEN PIT)	Indicated	copper	.06 %	10,000,000		No	Unknown	Unknown
Using 0.40 g/t Gold cut-off. These figures are National Instrument 43-101 compliant.; Casino Project Pre-feasibility Study Yukon Territory, Canada by M3 Engineering & Technology Corp. August 5 2008. Available on SEDAR.									
2008	LEACHED CAP/OXIDE GOLD (OPEN PIT)	Measured	copper	.08 %	28,000,000		No	Unknown	Unknown
Using 0.40 g/t Gold cut-off. These figures are National Instrument 43-101 compliant.; Casino Project Pre-feasibility Study Yukon Territory, Canada by M3 Engineering & Technology Corp. August 5 2008. Available on SEDAR.									

2008	HYPOGENE (OPEN PIT)	Indicated	gold	.2 g/t	795,000,000		No	Unknown	Unknown
Using 0.25% copper equivalent cut-off. These figures are National Instrument 43-101 compliant.; Casino Project Pre-feasibility Study Yukon Territory, Canada by M3 Engineering & Technology Corp. August 5, 2008. Available on Sedar.									
2008	HYPOGENE (OPEN PIT)	Measured	gold	.27 g/t	111,000,000		No	Unknown	Unknown
Using 0.25% copper equivalent cut-off. These figures are National Instrument 43-101 compliant.; Casino Project Pre-feasibility Study Yukon Territory, Canada by M3 Engineering & Technology Corp. August 5, 2008. Available on Sedar.									
2008	SUPERGENE SULPHIDE (OPEN PIT)	Indicated	gold	.25 g/t	100,000,000		No	Unknown	Unknown
Using 0.25% copper equivalent cut-off. These figures are National Instrument 43-101 compliant.; Casino Project Pre-feasibility Study Yukon Territory, Canada by M3 Engineering & Technology Corp. August 5, 2008. Available on Sedar.									
2008	SUPERGENE SULPHIDE (OPEN PIT)	Measured	gold	.47 g/t	33,000,000		No	Unknown	Unknown
Using 0.25% copper equivalent cut-off. These figures are National Instrument 43-101 compliant.; Casino Project Pre-feasibility Study Yukon Territory, Canada by M3 Engineering & Technology Corp. August 5, 2008. Available on Sedar.									
2008	SUPERGENE OXIDE (OPEN PIT)	Indicated	gold	.19 g/t	25,000,000		No	Unknown	Unknown
Using 0.25% copper equivalent cut-off. These figures are National Instrument 43-101compliant.; Casino Project Pre-feasibility Study Yukon Territory, Canada by M3 Engineering & Technology Corp. August 5 2008. Available on SEDAR.									
2008	SUPERGENE OXIDE (OPEN PIT)	Measured	gold	.49 g/t	21,000,000		No	Unknown	Unknown
Using 0.25% copper equivalent cut-off. These figures are National Instrument 43-101compliant.; Casino Project Pre-feasibility Study Yukon Territory, Canada by M3 Engineering & Technology Corp. August 5 2008. Available on SEDAR.									
2008	LEACHED CAP/OXIDE GOLD (OPEN PIT)	Indicated	gold	.48 g/t	10,000,000		No	Unknown	Unknown
Using 0.40 g/t Gold cut-off. These figures are National Instrument 43-101 compliant.; Casino Project Pre-feasibility Study Yukon Territory, Canada by M3 Engineering & Technology Corp. August 5 2008. Available on SEDAR.									
2008	LEACHED CAP/OXIDE GOLD (OPEN PIT)	Measured	gold	.6 g/t	28,000,000		No	Unknown	Unknown
Using 0.40 g/t Gold cut-off. These figures are National Instrument 43-101 compliant.; Casino Project Pre-feasibility Study Yukon Territory, Canada by M3 Engineering & Technology Corp. August 5 2008. Available on SEDAR.									
2008	SUPERGENE OXIDE (OPEN PIT)	Measured	molybdenum	.02 %	21,000,000		No	Unknown	Unknown
Using 0.25% copper equivalent cut-off. These figures are National Instrument 43-101compliant.; Casino Project Pre-feasibility Study Yukon Territory, Canada by M3 Engineering & Technology Corp. August 5 2008. Available on SEDAR.									
2008	HYPOGENE (OPEN PIT)	Indicated	molybdenum	.02 %	795,000,000		No	Unknown	Unknown
Using 0.25% copper equivalent cut-off. These figures are National Instrument 43-101 compliant.; Casino Project Pre-feasibility Study Yukon Territory, Canada by M3 Engineering & Technology Corp. August 5, 2008. Available on Sedar.									
2008	HYPOGENE (OPEN PIT)	Measured	molybdenum	.03 %	111,000,000		No	Unknown	Unknown
Using 0.25% copper equivalent cut-off. These figures are National Instrument 43-101 compliant.; Casino Project Pre-feasibility Study Yukon Territory, Canada by M3 Engineering & Technology Corp. August 5, 2008. Available on Sedar.									
2008	SUPERGENE SULPHIDE (OPEN PIT)	Indicated	molybdenum	.02 %	100,000,000		No	Unknown	Unknown
Using 0.25% copper equivalent cut-off. These figures are National Instrument 43-101 compliant.; Casino Project Pre-feasibility Study Yukon Territory, Canada by M3 Engineering & Technology Corp. August 5, 2008. Available on Sedar.									
2008	SUPERGENE SULPHIDE (OPEN PIT)	Measured	molybdenum	.03 %	33,000,000		No	Unknown	Unknown
Using 0.25% copper equivalent cut-off. These figures are National Instrument 43-101 compliant.; Casino Project Pre-feasibility Study Yukon Territory, Canada by M3 Engineering & Technology Corp. August 5, 2008. Available on Sedar.									
2008	SUPERGENE OXIDE (OPEN PIT)	Indicated	molybdenum	.01 %	25,000,000		No	Unknown	Unknown
Using 0.25% copper equivalent cut-off. These figures are National Instrument 43-101compliant.; Casino Project Pre-feasibility Study Yukon Territory, Canada by M3 Engineering & Technology Corp. August 5 2008. Available on SEDAR.									
2008	LEACHED CAP/OXIDE GOLD (OPEN PIT)	Indicated	molybdenum	.01 %	10,000,000		No	Unknown	Unknown
Using 0.40 g/t Gold cut-off. These figures are National Instrument 43-101 compliant.; Casino Project Pre-feasibility Study Yukon Territory, Canada by M3 Engineering & Technology Corp. August 5 2008. Available on SEDAR.									
2008	LEACHED CAP/OXIDE GOLD (OPEN PIT)	Measured	molybdenum	.03 %	28,000,000		No	Unknown	Unknown
Using 0.40 g/t Gold cut-off. These figures are National Instrument 43-101 compliant.; Casino Project Pre-feasibility Study Yukon Territory, Canada by M3 Engineering & Technology Corp. August 5 2008. Available on SEDAR.									
2004	HYPOGENE (OPEN PIT)	Measured	copper	.21 %	174,000,000		No	Unknown	Unknown
Previous resource estimates were re-tabulated and stated in terms of copper equivalent (Cu EQ) cut-off grades of 0.25 and 0.30. The 0.30 Cu EQ grades are report here.; Report on the revised resource estimate, Casino property, Yukon Territory by E.D. Titley of Rebagliati Geological Consulting Ltd.									
2004	HYPOGENE (OPEN PIT)	Indicated	copper	.19 %	623,000,000		No	Unknown	Unknown
Previous resource estimates were re-tabulated and stated in terms of copper equivalent (Cu EQ) cut-off grades of 0.25 and 0.30. The 0.30 Cu EQ grades are report here.; Report on the revised resource estimate, Casino property, Yukon Territory by E.D. Titley of Rebagliati Geological Consulting Ltd.									
2004	HYPOGENE (OPEN PIT)	Inferred	copper	.16 %	152,000,000		No	Unknown	Unknown
Previous resource estimates were re-tabulated and stated in terms of copper equivalent (Cu EQ) cut-off grades of 0.25 and 0.30. The 0.30 Cu EQ grades are report here.; Report on the revised resource estimate, Casino property, Yukon Territory by E.D. Titley of Rebagliati Geological Consulting Ltd.									
2004	SUPERGENE SULPHIDE (OPEN PIT)	Measured	copper	.36 %	47,000,000		No	Unknown	Unknown
Previous resource estimates were re-tabulated and stated in terms of copper equivalent (Cu EQ) cut-off grades of 0.25 and 0.30. The 0.30 Cu EQ grades are report here.; Report on the revised resource estimate, Casino property, Yukon Territory by E.D. Titley of Rebagliati Geological Consulting Ltd.									
2004	SUPERGENE SULPHIDE (OPEN PIT)	Indicated	copper	.3 %	76,000,000		No	Unknown	Unknown

Previous resource estimates were re-tabulated and stated in terms of copper equivalent (Cu EQ) cut-off grades of 0.25 and 0.30. The 0.30 Cu EQ grades are report here.; Report on the revised resource estimate, Casino property, Yukon Territory by E.D. Titley of Rebagliati Geological Consulting Ltd.									
2004	SUPERGENE SULPHIDE (OPEN PIT)	Inferred	copper	.22 %	19,000,000		No	Unknown	Unknown
Previous resource estimates were re-tabulated and stated in terms of copper equivalent (Cu EQ) cut-off grades of 0.25 and 0.30. The 0.30 Cu EQ grades are report here.; Report on the revised resource estimate, Casino property, Yukon Territory by E.D. Titley of Rebagliati Geological Consulting Ltd.									
2004	SUPERGENE OXIDE (OPEN PIT)	Measured	copper	.35 %	25,000,000		No	Unknown	Unknown
Previous resource estimates were re-tabulated and stated in terms of copper equivalent (Cu EQ) cut-off grades of 0.25 and 0.30. The 0.30 Cu EQ grades are report here.; Report on the revised resource estimate, Casino property, Yukon Territory by E.D. Titley of Rebagliati Geological Consulting Ltd.									
2004	SUPERGENE OXIDE (OPEN PIT)	Indicated	copper	.29 %	18,000,000		No	Unknown	Unknown
Previous resource estimates were re-tabulated and stated in terms of copper equivalent (Cu EQ) cut-off grades of 0.25 and 0.30. The 0.30 Cu EQ grades are report here.; Report on the revised resource estimate, Casino property, Yukon Territory by E.D. Titley of Rebagliati Geological Consulting Ltd.									
2004	SUPERGENE OXIDE (OPEN PIT)	Inferred	copper	.28 %	8,000,000		No	Unknown	Unknown
Previous resource estimates were re-tabulated and stated in terms of copper equivalent (Cu EQ) cut-off grades of 0.25 and 0.30. The 0.30 Cu EQ grades are report here.; Report on the revised resource estimate, Casino property, Yukon Territory by E.D. Titley of Rebagliati Geological Consulting Ltd.									
2004	HYPOGENE (OPEN PIT)	Measured	gold	.26 g/t	174,000,000		No	Unknown	Unknown
Previous resource estimates were re-tabulated and stated in terms of copper equivalent (Cu EQ) cut-off grades of 0.25 and 0.30. The 0.30 Cu EQ grades are report here.; Report on the revised resource estimate, Casino property, Yukon Territory by E.D. Titley of Rebagliati Geological Consulting Ltd.									
2004	SUPERGENE SULPHIDE (OPEN PIT)	Measured	gold	.41 g/t	47,000,000		No	Unknown	Unknown
Previous resource estimates were re-tabulated and stated in terms of copper equivalent (Cu EQ) cut-off grades of 0.25 and 0.30. The 0.30 Cu EQ grades are report here.; Report on the revised resource estimate, Casino property, Yukon Territory by E.D. Titley of Rebagliati Geological Consulting Ltd.									
2004	SUPERGENE SULPHIDE (OPEN PIT)	Indicated	gold	.26 g/t	76,000,000		No	Unknown	Unknown
Previous resource estimates were re-tabulated and stated in terms of copper equivalent (Cu EQ) cut-off grades of 0.25 and 0.30. The 0.30 Cu EQ grades are report here.; Report on the revised resource estimate, Casino property, Yukon Territory by E.D. Titley of Rebagliati Geological Consulting Ltd.									
2004	SUPERGENE SULPHIDE (OPEN PIT)	Inferred	gold	.15 g/t	19,000,000		No	Unknown	Unknown
Previous resource estimates were re-tabulated and stated in terms of copper equivalent (Cu EQ) cut-off grades of 0.25 and 0.30. The 0.30 Cu EQ grades are report here.; Report on the revised resource estimate, Casino property, Yukon Territory by E.D. Titley of Rebagliati Geological Consulting Ltd.									
2004	SUPERGENE OXIDE (OPEN PIT)	Measured	gold	.35 g/t	25,000,000		No	Unknown	Unknown
Previous resource estimates were re-tabulated and stated in terms of copper equivalent (Cu EQ) cut-off grades of 0.25 and 0.30. The 0.30 Cu EQ grades are report here.; Report on the revised resource estimate, Casino property, Yukon Territory by E.D. Titley of Rebagliati Geological Consulting Ltd.									
2004	SUPERGENE OXIDE (OPEN PIT)	Measured	molybdenum	.02 %	25,000,000		No	Unknown	Unknown
Previous resource estimates were re-tabulated and stated in terms of copper equivalent (Cu EQ) cut-off grades of 0.25 and 0.30. The 0.30 Cu EQ grades are report here.; Report on the revised resource estimate, Casino property, Yukon Territory by E.D. Titley of Rebagliati Geological Consulting Ltd.									
2004	SUPERGENE OXIDE (OPEN PIT)	Indicated	molybdenum	.01 %	18,000,000		No	Unknown	Unknown
Previous resource estimates were re-tabulated and stated in terms of copper equivalent (Cu EQ) cut-off grades of 0.25 and 0.30. The 0.30 Cu EQ grades are report here.; Report on the revised resource estimate, Casino property, Yukon Territory by E.D. Titley of Rebagliati Geological Consulting Ltd.									
2004	SUPERGENE OXIDE (OPEN PIT)	Inferred	molybdenum	.01 %	8,000,000		No	Unknown	Unknown
Previous resource estimates were re-tabulated and stated in terms of copper equivalent (Cu EQ) cut-off grades of 0.25 and 0.30. The 0.30 Cu EQ grades are report here.; Report on the revised resource estimate, Casino property, Yukon Territory by E.D. Titley of Rebagliati Geological Consulting Ltd.									
2004	HYPOGENE (OPEN PIT)	Indicated	gold	.21 g/t	623,000,000		No	Unknown	Unknown
Previous resource estimates were re-tabulated and stated in terms of copper equivalent (Cu EQ) cut-off grades of 0.25 and 0.30. The 0.30 Cu EQ grades are report here.; Report on the revised resource estimate, Casino property, Yukon Territory by E.D. Titley of Rebagliati Geological Consulting Ltd.									
2004	HYPOGENE (OPEN PIT)	Inferred	gold	.19 g/t	152,000,000		No	Unknown	Unknown
Previous resource estimates were re-tabulated and stated in terms of copper equivalent (Cu EQ) cut-off grades of 0.25 and 0.30. The 0.30 Cu EQ grades are report here.; Report on the revised resource estimate, Casino property, Yukon Territory by E.D. Titley of Rebagliati Geological Consulting Ltd.									
2004	SUPERGENE OXIDE (OPEN PIT)	Indicated	gold	.21 g/t	18,000,000		No	Unknown	Unknown
Previous resource estimates were re-tabulated and stated in terms of copper equivalent (Cu EQ) cut-off grades of 0.25 and 0.30. The 0.30 Cu EQ grades are report here.; Report on the revised resource estimate, Casino property, Yukon Territory by E.D. Titley of Rebagliati Geological Consulting Ltd.									
2004	SUPERGENE OXIDE (OPEN PIT)	Inferred	gold	.19 g/t	8,000,000		No	Unknown	Unknown
Previous resource estimates were re-tabulated and stated in terms of copper equivalent (Cu EQ) cut-off grades of 0.25 and 0.30. The 0.30 Cu EQ grades are report here.; Report on the revised resource estimate, Casino property, Yukon Territory by E.D. Titley of Rebagliati Geological Consulting Ltd.									
2004	HYPOGENE (OPEN PIT)	Measured	molybdenum	.03 %	174,000,000		No	Unknown	Unknown
Previous resource estimates were re-tabulated and stated in terms of copper equivalent (Cu EQ) cut-off grades of 0.25 and 0.30. The 0.30 Cu EQ grades are report here.; Report on the revised resource estimate, Casino property, Yukon Territory by E.D. Titley of Rebagliati Geological Consulting Ltd.									
2004	HYPOGENE (OPEN PIT)	Indicated	molybdenum	.02 %	623,000,000		No	Unknown	Unknown
Previous resource estimates were re-tabulated and stated in terms of copper equivalent (Cu EQ) cut-off grades of 0.25 and 0.30. The 0.30 Cu EQ grades are report here.; Report on the revised resource estimate, Casino property, Yukon Territory by E.D. Titley of Rebagliati Geological Consulting Ltd.									
2004	HYPOGENE (OPEN PIT)	Inferred	molybdenum	.02 %	152,000,000		No	Unknown	Unknown
Previous resource estimates were re-tabulated and stated in terms of copper equivalent (Cu EQ) cut-off grades of 0.25 and 0.30. The 0.30 Cu EQ grades are report here.; Report on the revised resource estimate, Casino property, Yukon Territory by E.D. Titley of Rebagliati Geological Consulting Ltd.									
2004	SUPERGENE SULPHIDE (OPEN PIT)	Measured	molybdenum	.03 %	47,000,000		No	Unknown	Unknown
Previous resource estimates were re-tabulated and stated in terms of copper equivalent (Cu EQ) cut-off grades of 0.25 and 0.30. The 0.30 Cu EQ grades are report here.; Report on the revised resource estimate, Casino property, Yukon Territory by E.D. Titley of Rebagliati Geological Consulting Ltd.									

2004	SUPERGENE SULPHIDE (OPEN PIT)	Indicated	molybdenum	.02 %	76,000,000		No	Unknown	Unknown
Previous resource estimates were re-tabulated and stated in terms of copper equivalent (Cu EQ) cut-off grades of 0.25 and 0.30. The 0.30 Cu EQ grades are report here.; Report on the revised resource estimate, Casino property, Yukon Territory by E.D. Titley of Rebagliati Geological Consulting Ltd.									
2004	SUPERGENE SULPHIDE (OPEN PIT)	Inferred	molybdenum	.02 %	19,000,000		No	Unknown	Unknown
Previous resource estimates were re-tabulated and stated in terms of copper equivalent (Cu EQ) cut-off grades of 0.25 and 0.30. The 0.30 Cu EQ grades are report here.; Report on the revised resource estimate, Casino property, Yukon Territory by E.D. Titley of Rebagliati Geological Consulting Ltd.									
2003	HYPOGENE (OPEN PIT)	Measured	copper	.27 %	88,000,000		No	Unknown	Unknown
Based on cut-off grade of > 0.20 % Cu.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	HYPOGENE (OPEN PIT)	Indicated	copper	.26 %	234,000,000		No	Unknown	Unknown
Based on cut-off grade of > 0.20 % Cu.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	HYPOGENE (OPEN PIT)	Inferred	copper	.24 %	38,000,000		No	Unknown	Unknown
Based on cut-off grade of > 0.20 % Cu.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	SUPERGENE SULPHIDE (OPEN PIT)	Indicated	copper	.33 %	63,000,000		No	Unknown	Unknown
Based on cut-off grade of >0.20 % Cu.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	SUPERGENE SULPHIDE (OPEN PIT)	Inferred	copper	.26 %	11,000,000		No	Unknown	Unknown
Based on cut-off grade of >0.20 % Cu.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	SUPERGENE OXIDE (OPEN PIT)	Indicated	copper	.31 %	16,000,000		No	Unknown	Unknown
Based on cut-off grade of >0.20 % Cu.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	SUPERGENE OXIDE (OPEN PIT)	Inferred	copper	.31 %	7,000,000		No	Unknown	Unknown
Based on cut-off grade of >0.20 % Cu.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	LEACHED CAP/OXIDE GOLD (OPEN PIT)	Measured	copper	.07 %	31,000,000		No	Unknown	Unknown
Based on a cut-off grade of >0.4 g/t Au.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	LEACHED CAP/OXIDE GOLD (OPEN PIT)	Indicated	copper	.06 %	7,000,000		No	Unknown	Unknown
Based on a cut-off grade of >0.4 g/t Au.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	LEACHED CAP/OXIDE GOLD (OPEN PIT)	Inferred	copper	.1 %	1,000,000		No	Unknown	Unknown
Based on a cut-off grade of >0.4 g/t Au.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	HYPOGENE (OPEN PIT)	Measured	gold	.32 g/t	88,000,000		No	Unknown	Unknown
Based on cut-off grade of > 0.20 % Cu.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	HYPOGENE (OPEN PIT)	Indicated	gold	.26 g/t	234,000,000		No	Unknown	Unknown
Based on cut-off grade of > 0.20 % Cu.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	HYPOGENE (OPEN PIT)	Inferred	gold	.23 g/t	38,000,000		No	Unknown	Unknown
Based on cut-off grade of > 0.20 % Cu.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	SUPERGENE SULPHIDE (OPEN PIT)	Measured	gold	.41 g/t	40,000,000		No	Unknown	Unknown
Based on cut-off grade of >0.20 % Cu.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	SUPERGENE SULPHIDE (OPEN PIT)	Indicated	gold	.27 g/t	63,000,000		No	Unknown	Unknown
Based on cut-off grade of >0.20 % Cu.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	SUPERGENE SULPHIDE (OPEN PIT)	Inferred	gold	.15 g/t	11,000,000		No	Unknown	Unknown
Based on cut-off grade of >0.20 % Cu.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	SUPERGENE OXIDE (OPEN PIT)	Measured	gold	.44 g/t	20,000,000		No	Unknown	Unknown
Based on cut-off grade of >0.20 % Cu.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	SUPERGENE OXIDE (OPEN PIT)	Indicated	gold	.17 g/t	16,000,000		No	Unknown	Unknown
Based on cut-off grade of >0.20 % Cu.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	SUPERGENE OXIDE (OPEN PIT)	Inferred	gold	.16 g/t	7,000,000		No	Unknown	Unknown

Based on cut-off grade of >0.20 % Cu.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	LEACHED CAP/OXIDE GOLD (OPEN PIT)	Measured	gold	.59 g/t	31,000,000		No	Unknown	Unknown
Based on a cut-off grade of >0.4 g/t Au.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	LEACHED CAP/OXIDE GOLD (OPEN PIT)	Indicated	gold	.48 g/t	7,000,000		No	Unknown	Unknown
Based on a cut-off grade of >0.4 g/t Au.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	LEACHED CAP/OXIDE GOLD (OPEN PIT)	Inferred	gold	.45 g/t	1,000,000		No	Unknown	Unknown
Based on a cut-off grade of >0.4 g/t Au.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	SUPERGENE SULPHIDE (OPEN PIT)	Measured	molybdenum	.03 %	40,000,000		No	Unknown	Unknown
Based on cut-off grade of >0.20 % Cu.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	SUPERGENE OXIDE (OPEN PIT)	Measured	copper	.4 %	20,000,000		No	Unknown	Unknown
Based on cut-off grade of >0.20 % Cu.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	HYPOGENE (OPEN PIT)	Measured	molybdenum	.02 %	88,000,000		No	Unknown	Unknown
Based on cut-off grade of > 0.20 % Cu.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	HYPOGENE (OPEN PIT)	Indicated	molybdenum	.02 %	234,000,000		No	Unknown	Unknown
Based on cut-off grade of > 0.20 % Cu.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	HYPOGENE (OPEN PIT)	Inferred	molybdenum	.02 %	38,000,000		No	Unknown	Unknown
Based on cut-off grade of > 0.20 % Cu.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	SUPERGENE SULPHIDE (OPEN PIT)	Indicated	molybdenum	.02 %	63,000,000		No	Unknown	Unknown
Based on cut-off grade of >0.20 % Cu.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	SUPERGENE SULPHIDE (OPEN PIT)	Inferred	molybdenum	.02 %	11,000,000		No	Unknown	Unknown
Based on cut-off grade of >0.20 % Cu.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	SUPERGENE OXIDE (OPEN PIT)	Measured	molybdenum	.02 %	20,000,000		No	Unknown	Unknown
Based on cut-off grade of >0.20 % Cu.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	SUPERGENE OXIDE (OPEN PIT)	Indicated	molybdenum	.01 %	16,000,000		No	Unknown	Unknown
Based on cut-off grade of >0.20 % Cu.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	SUPERGENE OXIDE (OPEN PIT)	Inferred	molybdenum	.01 %	7,000,000		No	Unknown	Unknown
Based on cut-off grade of >0.20 % Cu.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	LEACHED CAP/OXIDE GOLD (OPEN PIT)	Measured	molybdenum	.02 %	31,000,000		No	Unknown	Unknown
Based on a cut-off grade of >0.4 g/t Au.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	LEACHED CAP/OXIDE GOLD (OPEN PIT)	Indicated	molybdenum	.01 %	7,000,000		No	Unknown	Unknown
Based on a cut-off grade of >0.4 g/t Au.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	LEACHED CAP/OXIDE GOLD (OPEN PIT)	Inferred	molybdenum	.01 %	1,000,000		No	Unknown	Unknown
Based on a cut-off grade of >0.4 g/t Au.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									
2003	SUPERGENE SULPHIDE (OPEN PIT)	Measured	copper	.4 %	40,000,000		No	Unknown	Unknown
Based on cut-off grade of >0.20 % Cu.; REBAGLIATI, C.M. and BANNER, R.H., Jan/2003. Qualifying Report-Casino Property, Yukon Territiory prepared for CRS-Copper Resources Corporation and First Trimark Ventures Inc.									

Drill core at YGS core library

Number	Property	Year Drilled	Core Size	Photos	Data
CAS-086	Casino	2010	NTW	50	19
CAS-031	Casino	2009	HTW-NTW	83	21
CAS-002	Casino	2008	HTW-NTW	165	12