

Spire
888014

Schroeter, Tom EM:EX

From: Schroeter, Tom EM:EX
Sent: Wednesday, October 18, 2000 1:19 PM
To: Smyth, Ron EM:EX
Cc: Hesketh, Joan EM:EX; Curtis, Ross EM:EX
Subject: Another New Discovery!
Sensitivity: Private

NAME: Spire cls. (part of Goldstream property).

Location: 7.5KM SW from Goldstream mine, north of Revelstoke.

Owner/Discoverer: Imperial Metals Corp.

Mineralization: Massive sulphides (similar to Goldstream) with a true thickness of 3 metres. Channel samples included 1m @ .94% Cu and 1.93%Zn.

Plans: Drilling a fence of 5 holes, starting this week (permits in place).

Also: Orphan Boy Res. is still planning to drill on the EAST side of the Goldstream mine later this year, under a joint venture agreement with Imperial Metals.

Tom.

Schroeter, Tom EM:EX

TOS → R6
- Kamloops

From: Cathro, Mike EM:EX
Sent: Friday, October 20, 2000 3:17 PM
To: Adams, Rick EM:EX
Cc: Britton, Jim; Brown, Derek; Lefebure, Dave; Ludwig, Allan; Madu, Bruce; McArthur, Gib; Payie, Garry; Schroeter, Tom; Houle, Jacques; Lane, Bob; Wilton, Paul; Wojdak, Paul
Subject: Cathro Weekly to 10/20/2000

HIGHLIGHTS:

Fox (Gitennes Exploration Inc.) - A very exciting discovery of massive sulphide zinc-copper-lead-gold-silver mineralization has been made on the Coquihalla highway midway between Kamloops and Merritt. Assays of up to 33.26% zinc, 3.22% copper, 0.86% lead, 144.7 g/t silver and 1.06 g/t Au have been returned from outcrop grab samples and boulders. The mineralization is exposed in outcrop, subcrop and rubble in the highway roadcut (3-4 m from the pavement!) over a strike length of about 100 meters. The thickness of massive sulphide is about 1 to 1.3 m however the base is not exposed. This is overlain by 1 to 3 metres of chert, barite and disseminated sulphides (2-4 metres total thickness). Gitennes optioned the property from geologist/pro prospector Michael Moore and the property has now grown to 65 square kilometres (approx 250 claim units) with more to be finished. Much of the nearby area is not claimed and a staking rush is reported to be underway with at least 5-6 other groups or individuals active.

The Fox mineralization appears to be associated with a felsic volcanic centre within the predominantly intermediate-mafic volcanics of the "western volcanic facies" of the Late Triassic Nicola Group. Luckily, the area has been well mapped by Moore et al (BCGS Open File 1990-29) and adjacent areas of interest were mapped by Preto, McMillan and others. Previous exploration for massive sulphides in the Nicola Group has been minimal even though other small massive showings are known, particularly in the Merritt-Princeton area. In addition, porphyry copper exploration has been quite thorough. This discovery should result in a good area play with staking and exploration focusing on felsic volcanics, barite-zinc-lead-copper showings and sericitic alteration zones in the Nicola. The area of interest should include the Nicola belt between Princeton-Merritt-Kamloops and Manning Park-Ashcroft, but could also include areas to the north (e.g. Little Fort) and east (e.g. Falkland, Brenda areas) where other possible massive sulphide showings are known. (visited on Oct. 15 with Gerry Blackwell of Gitennes, Tom Schroeter, Jim Mustard of Haywood Securities and Gerry MacArthur, consultant.)

SW!
Spire Goldstream (Imperial Metals Corp.) - A significant copper-zinc massive sulphide discovery was also reported by Imperial Metals this week, and it is possible that a staking rush could develop here too. The discovery is located 7.5 km SE of the Goldstream mill on the Spire claims, optioned from prospector Craig Lynes. The massive sulphide is reported to have a true thickness of 3 metres and channel samples have returned results ranging from 0.28 to 2.31% copper and 0.40 to 2.25% zinc over 0.35 to 1.0 sampling intervals. Drilling of 5 holes is expected to begin this week.

Afton (DRC Resources Corp) - reported that a drilling progress report was received from J.J. McDougall and Associates. It concludes that "the drilling has established the presence of a substantial primary hypogene copper zone below and beyond the open pit bottom. The mineral zone, still open in all directions including to surface, is a northeast striking tabular body with an average dip of -70 degrees southeast. It measures in excess of 213 m in strike length, up to 137 m in width and extending to a depth of at least 313 m below pit bottom, with no indication of narrowing along strike or down dip. A preliminary tonnage estimate of the mineralized zone tested to date indicates at least 25 million tons averaging 2.5% copper or 3% copper equivalent."

EXPLORATION NEWS:

Lac La Hache
Ann North (GWR Resources Inc.) - Now drilling on hole 2000-24. This hole was viewed yesterday in Lac La Hache and appeared to be in propylitic alteration with low grade mineralization, peripheral to a porphyry centre.

OTHER:

Regional Geologists field meeting - excellent tour of Bonanza Ledge discovery of International Wayside at

Schroeter, Tom EM:EX

From: Cathro, Mike EM:EX
Sent: Friday, March 16, 2001 2:13 PM
To: Adams, Rick EM:EX
Cc: Britton, Jim; Brown, Derek; Lefebure, Dave; Ludwig, Allan; Madu, Bruce; McArthur, Gib; Payie, Garry; Schroeter, Tom; Smith, Don; Houle, Jacques; Lane, Bob; Wilton, Paul; Wojdak, Paul
Subject: Cathro Weekly to 10/16/2001

HIGHLIGHTS:

Fox Zn-Cu (Gitennes Exploration Inc.) - drill rumoured to be turning. Great interest from industry and investors. Expect first results by end of March? (To be visited on KEG field trip on April 5th).

Red Hill (Teck Exploration Ltd.) - Notice of work for 4000 m drilling in 20 holes (late April) on this massive sulphide Cu-Zn target near Ashcroft. An as-yet unnamed junior joint-venture partner will financing the work. Host rocks are Lower Triassic felsic volcanics interpreted to be equivalent to the Kutcho Assemblage. (To be visited on KEG field trip on April 5th).

Spire (Imperial Metals Corp) - Notice for drilling of 10 holes, trenching and gridwork on this new Cu-Zn prospect north of Revelstoke.

KEG (April 3-4). - Approx 120 people have pre-registered so far. We expect about 225 total. List of talks should go up on KEG website today or Monday at <http://www.keg.bc.ca>.

Lillooet LRMP - Two options to go forward from a community coalition (15.5% park) and conservation-recreation group (19% park). Plenty of problems for minerals with both options. Hurry-up approval process underway to present to cabinet on March 28. No cost-benefit analysis will be completed due to time constraints.

Schroeter, Tom EM:EX

From: Cathro, Mike EM:EX
Sent: Thursday, October 11, 2001 5:02 PM
To: Adams, Rick EM:EX; Britton, Jim MSRM:EX; Brown, Derek EM:EX; Lefebure, Dave EM:EX; Ludwig, Allan EM:EX; Madu, Bruce EM:EX; McArthur, Gib EM:EX; Payie, Garry EM:EX; Schroeter, Tom EM:EX; Smith, Don EM:EX
Subject: Cathro Weekly to 10/11/01

HIGHLIGHTS

AFTON (DRC Resources Corp) - Currently drilling on hole 44 (est. 12,000 metres in 22 holes so far in 2001) located west of the southwest corner of the pit. Hole 43 was stopped at 805 m (2640 ft). Two drills are working and drilling is expected to continue until Dec. 15. Three holes are planned for the Pothook pit area but won't start until late November. According to project geologist John Ball, Afton holes 42 and 43 were angle drilled beneath hole 39 (2.03% Cu equivalent over 103 metres) and hit "a long interval of moderate grade copper mineralization with better than average gold and palladium". The vertical depth to the top of the mineralization is estimated to be 350-400 m but it is possible that future drilling may bring the zone closer to surface. The mineralization appears different than that in the Afton SW extension which is bornite-chalcopyrite-chalcocite-native copper-hematite in fault breccia. This "new zone" is unoxidized and comprised of predominantly chalcopyrite in a strongly k-spar and biotite flooded rock, and is being interpreted to be a new zone of mineralization. (CONFIDENTIAL)

Spire (Imperial Metals Corp) - according to Joe Seguin, excavator trenching near the original massive sulphide roadcut has intersected a sulphide zone about 10 metres wide. Tom Schroeter reports that Imperial has a verbal agreement to option the property to Orphan Boy Resources, and that Imperial would like to see it drilled this fall. (CONFIDENTIAL)

EXPLORATION NEWS

Iron Mask area - Teck Corp. is trying to interest a junior company to take over their large Iron Mask batholith property holdings which include the Ajax East and West pits, the Afton mill, and the Big Onion, Rainbow, DM, and Audra copper-gold deposits.

Clinton Tufa - provided info on this and other Clinton area prospects to an Alberta-based client.

Merritt Coal - coal rights over Middlesboro collieries acquired by Forum Ventures (CDNX) from Imperial Metals. Forum plans to investigate both coalbed methane and conventional coal mining opportunities.

Beaton (Green Valley Mine Inc./Lakewood Mining) - reported a gamma ray spectrogramatic and VLF/Mag EM survey has outlined a large anomaly on this property south of Afton (I believe this refers to a 1994 GSC/Teck airborne survey). In addition the company has conducted a Mobile Metal Ion soil survey.

Shut-Up Bill Mine - James Hasan reported to Al Ludwig that he has mined 700 tonnes of pyritic material and moved it to the OK aggregates property in Vernon for processing. Mr. Hasan told me on an earlier visit that he has not assayed this pyrite but that it definitely contains gold.....(MINFILE says differently)

OTHER

Advanced Prospecting Course - spent one day examining facilities and field locations in the Merritt area on behalf of GSB and BCIT course organizers.

100 Mile House Forest District - assisted client concerned about possible upcoming destruction of drill hole collars by new logging roads (MoF Small Business program). I provided MoF with maps and the client will flag the drill collars.

Mike

Mike Cathro
Regional Geologist, Kamloops
BC Ministry of Energy and Mines

Note new telephone numbers

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Autotel: (250) 372-6757
Fax: (250) 554-5384

Schroeter, Tom EM:EX

TS → RG
- Kamloop

From: Cathro, Mike EM:EX
Sent: Thursday, November 15, 2001 4:25 PM
To: Adams, Rick EM:EX; Britton, Jim; Brown, Derek; Lefebure, Dave; Ludwig, Allan; Madu, Bruce; McArthur, Gib; Payie, Garry; Schroeter, Tom; Smith, Don; Smyth, Ron EM:EX
Subject: Cathro Weekly to 11/16/2001

HIGHLIGHTS

* **Goldstream (Orphan Boy Resources Inc.)** - reported that angular massive sulphide boulders up to 1 m across have been found at the **Boutwell Discovery** in the C-1 grid area, some 10 km west of the Goldstream mine. The prospect occurs within a 600 m long Cu-Zn-Ag anomaly. The massive sulphides are comprised of pyrrhotite with minor chalcopyrite, sphalerite and galena, have a "durchbewegung" texture similar to Goldstream, and are interpreted to occur at about the same stratigraphic position (near the "garnet horizon"). Assays show the boulders are anomalous in copper (to 1553 ppm Cu). The prospect is at a low elevation in the Goldstream valley and should be the focus of further trenching and drilling in 2002.

* **Spire (Imperial Metals Corp)** - no official news release has come out, but the Imperial Metals website includes an Adobe presentation with photos, maps and results from their recent trenching program. The best result was a channel sample in a new trench which graded 3.4% Cu and 2.9% Zn over 1 m. The prospect also has similar geology and ore textures to the Goldstream mine, 7 km NE. Thi Goldstream area north of Revelstoke could be busy in 2002.

EXPLORATION NEWS

* **Duke Copper (MF92ISW076)** - Southern Rio Resources acquired this copper prospect located 20 km west of Craigmont in the Guichon Creek batholith. Drilling of 12 holes in the 1960's returned up to 0.63% Cu over 57.9 m. Southern Rio is returning to BC from Chile to take advantage of the flow through tax credit, according to Lindsay Bottomer (former President of BC and Yukon Chamber of Mines and Exploration Manager for Echo Bay).

* **ED Property** - Lyra Resources has optioned an 82 unit claim group adjacent to their ED 1-20 block, located near Edith Lake south of Kamloops.

OTHER:

Merritt Area till paper - wrote up and submitted a short section on Regional Geology and Metallogeny for a paper on surficial geology in the Merritt area, to be published by Bobrowsky et al. in *Geological Fieldwork, 2001.*

Exploration Review Talk - continued preparation of graphics and speaking notes for presentation in Victoria on Nov. 22.

Mike

Mike Cathro
Regional Geologist, Kamloops
BC Ministry of Energy and Mines

Note new telephone numbers

Mike Direct Line: (250) 554-5377
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Schroeter, Tom EM:EX

TRE → RG
- Kamloops

From: Cathro, Mike EM:EX
Sent: Thursday, August 01, 2002 4:42 PM
To: Adams, Rick EM:EX; Britton, Jim; Brown, Derek; Grant, Brian EM:EX; Lefebure, Dave; Logan, Jim EM:EX; Ludwig, Allan; Madu, Bruce; McArthur, Gib; Schroeter, Tom; Simandl, George EM:EX; Smith, Don; David Terry; Houle, Jacques; Lane, Bob; Wojdak, Paul
Subject: Cathro Weekly to 8/01/02

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HIGHLIGHTS

Big Bend Project (Orphan Boy Resources Inc.) - Notices of Work received for drilling on several copper-zinc-lead-gold-silver massive sulphide targets north of Revelstoke. Work would be split between the Goldstream mine (7 holes, 1400 m), C-1 (12 holes, 2400 m), Spire (6 holes, 1200 m) and Rift (7 holes, 1400 m) targets and is probably contingent on raising adequate funds.

FIELD WORK

Spent one day showing Jim Logan (GSB) the geology of the Iron Mask batholith, where he is starting a partnership program with Abacus Mining.

EXPLORATION AND MINING NEWS

Mac Claims (aka "Top", MF 082LSE017) - This gold-silver prospect, owned by Linda Caron and John Kemp, has been optioned by Cantech Ventures Inc. Drilling by junior companies in 1983-88 intersected up to 13 metres grading 16.1 g/t Au in a faulted vein. Commonwealth Gold Corp drove a 126.5 m decline in 1990, and the mineralized zone is reported to have averaged 14.4 g/t Au over 10 m. The company plans to hire a structural geologist to find the faulted extension of the vein.

Zeo (Zeo-Tech Enviro Corp./C2C Zeolite Corp) - Zeo-Tech has shipped its first container (20 tonnes?) of Princeton zeolite to Taiwan for use in the aquaculture industry. The company reports that their zeolite increases production of farmed shrimp.

Panorama Ridge (Goldcliff Resource Corp) - trenching and geochem have begun on this Hedley-area gold prospect. Follow-up drilling will depend on financing.

Mike

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Schroeter, Tom EM:EX

From: Cathro, Mike EM:EX
Sent: Friday, December 08, 2000 12:33 PM
To: Adams, Rick EM:EX
Cc: Britton, Jim; Brown, Derek; Lefebure, Dave; Ludwig, Allan; Madu, Bruce; McArthur, Gib; Payie, Garry; Schroeter, Tom; Smith, Don; Houle, Jacques; Lane, Bob; Wilton, Paul; Wojdak, Paul
Subject: Cathro Weekly to 12/8/2000

HIGHLIGHTS:

Spire (Imperial Metals Corp.) - results released for 7 drill holes and grab samples from this new massive sulphide discovery near the Goldstream mine/mill. Grab samples ran up to 8.03% Cu, 7.89% Zn and 51 g/t Ag. Hole 1 returned 3.12 m grading 0.51% Cu and 1.08% Zn and hole 4 returned 3.7 m grading 0.24% Cu and 1.49% Zn. Although these drill results are subeconomic, the discovery is still exciting since the mineralization is similar in appearance and geological setting to the Goldstream orebody, which was mined in 1983-84 and 1991-1996. Goldstream milled 2.21 million tonnes at a recovered grade of 3.54% Cu, 0.36% Zn, and 11.86 g/t Ag, and the 1200 tonne per day mill is reported to be still intact and in good shape. Further drilling at Spire is planned for 2001.

Teck Exploration Office Consolidation - Teck has made layoffs and closed exploration offices in North Bay, Toronto and Reno and will consolidate exploration field staff and drafting operations to the Kamloops office. Although one Kamloops geologist was laid off and one transferred to Vancouver, the Kamloops staff will grow slightly due to several staff being transferred here. There is a good possibility that all the Kamloops staff will relocate from downtown to the Afton mine office building, which is nearly completely vacant.

'off'
Sean
Pantler

Rabbitt Mountain staking - Several possible massive sulphide prospects in the Nicola Group have been staked by Steve Todoruk (Redstar/Abacus) and Don McGinnis (current Pres. of BCYCM and several juniors). The block totals just under 80 claim units and is located north of Tulameen. The partners hope that with good drilling results from Gitennes' Fox property in the new year, an area play will develop.

EXPLORATION NEWS:

Afton Mine (DRC Resources Corp.) - discussed the project on 12/5 week with John Ball, project manager. He is working on a talk which may be presented at Round-up. Their plans are to drill until about Christmas and then take a month break. Currently drilling on hole 20 from the 2035' elevation on the haulage road, on the NW side of the zone. An interesting article, somewhat sceptical of the Afton project, appeared in the Northern Miner on November 20, and was followed in the Dec. 4 issue by a bizarre, follow-up rebuttal letter from DRC "advisor" Steven Lightburn. DRC's reputation and credibility will not be enhanced by Lightburn's exaggerated statements such as "the exceptional assay results were not expected and, in fact, surprised all the experts" (actually, the results are only slightly better than previous Teck holes in the same area!), "DRC began drilling in a different direction away from the old pit" (as a matter of fact, all 20 holes have been drilled directly under the pit!) "Economic? Definitely." ("economic" based on what feasibility study!), and finally, "the rock is a sulphur-deficient magmatic segregation deposit that settled out in a large intrusive body, and not a porphyry copper" (this is simply a bizarre statement, it is most certainly a porphyry deposit!). It is unfortunate, but this project is becoming thought of as an over-hyped "pump and dump" stock play. It is interesting to note that DRC President John Kruzick has sold about \$375,000 worth of DRC stock this year according to insider trading reports! (CONFIDENTIAL)

OTHER:

Clearwater Times - interviewed for a story on Cassidy Gold's Broken Hill property which was to have come out yesterday. Another article also appeared in the Kamloops Daily News last weekend.

2000 BC Exploration Review - reviewed and provided comments to Schroeter/Smyth.

KEG Luncheon Meeting - held on Dec 1 with Claude Richmond, Liberal candidate.