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From: Sent:	Cathro, Mike EM:EX Friday, October 17, 2003 5:21 PM
То:	Anderson, Duane EM:EX; Booth, Richard EM:EX; Conte, Rick EM:EX; Errington, John
	EM:EX; Grant, Brian EM:EX; Hermann, Fred EM:EX; Lefebure, Dave EM:EX; McArthur, Gib
	EM:EX; McKillop, Greg EM:EX; Pardy, Jamie EM:EX; Schroeter, Tom EM:EX; Simandl,
	George EM:EX; Webster, Ian EM:EX; Wilcox, Allan EM:EX; David Terry; Lane, Bob; Wojdak,
	Paul
Subject:	Semi-Weekly Report to 10/17/03

EXPLORATION AND DEVELOPMENT HIGHLIGHTS

Afton (DRC Resources) - "Pre-feasibility study" released showing >20% internal rate of return, 3.7 year payback and 17.5 year mine life based on an underground block cave operation at 9000 tonnes per day, with a \$150 million initial capital cost and \$191 million in on-going capital. The company clarified the study as a "scoping study" shortly aftewards, at the request of provincial regulators, because it does not meet the requirements of NI 43-101. The main problem was the inclusion of inferred resources in the mine plan. Company has been drilling 800 m long holes beneath the Pothook pit, using 2 drills with rumours of good results. Company is still considering a winter underground program, and is rumoured to be completing a \$20 million financing.

Bralorne (Bralorne-Pioneer Gold Mines) - construction of tailings pond (approved in 1996) is underway. Cost is \$500,000 according to previous estimates. Mining of 6000 tonne bulk sample planned for this winter to feed mill start-up.

J&L - prominent engineering/environmental company called to scope out permitting issues to explore and develop this polymetallic deposit north of Revelstoke. Client is unknown.

Elk (Afmaden Minerals) - 4000 m drill program well underway with two drills. Expected to be complete by Oct 31. Company consultant is scoping out permitting issues for a 150 tpd gravity-flotation mill and underground mine.

Big Kidd (Christopher James Gold) - 5 ddh completed on alkalic porphyry Au-Cu prospect located east of Merritt.

Lodestone Mountain (Sargold Resources) - 15 holes planned on magnetite deposit south of Tulameen.

Rainbow (Abacus Mining) - located next to Afton, SW of Kamloops. A 3D IP survey is underway and will be followed by about 2500 m of drilling (Nov) in 800 m long holes to test beneath the Rainbow Cu-Au deposit. Project and company are benefitting from renewed interest in alkalic porphyry deposits due to Afton, Red Chris and Mt. Polley results.

Panorama Ridge (Goldcliff Resources) - drilling underway on gold skarn near the Nickel Plate mine.

Wood (Green Valley) - drilling to test IP anomalies on property south of Afton.

Bonaparte (North American Gem) - trenching and drilling to begin shortly on vein gold prospect north of Kamloops.

OTHER ACTIVITIES

Horsefly-Mt. Polley airborne geophysical survey. Fugro survey completed on Sept. 29th. Bob Lane and I have spent 4 days following up anomalies in the field, in preparation for upcoming publications. Timing was excellent given the discovery of the NE zone at Mt. Polley, which is covered by the Imperial Metals partnership survey. Radio interview about the survey was replayed several times on Cariboo Radio. Data release planned for March 31, 2003, however, we have asked the GSC to look into expediting the publication for Round-up (unlikely), to take advantage of excitement around Mt. Polley.

CIM South-Central Branch Conference (Sept 20th) - presented talk on exploration highlights to a crowd of about 70 people.

MX tour (Oct 16th) - led an "exploration and mining 101" educational tour to the Elk property for four Kamloops-based MSRM land use planners. I believe they have gained a better appreciation of mining and exploration practices, and hopefully it will allow them to better incorporate minerals issues into their plans.

Lillooet LRMP - rumours of cabinet briefing notes being prepared, and behind the scenes discussions. Upcoming decision?

Schroeter, Tom EM:EX		
From:	Cathro, Mike EM:EX	
Sent:	Friday, September 20, 2002 3:16 PM	
То:	Adams, Rick EM:EX	
Cc:	Britton, Jim SRM:EX; 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 9/20/02	

HIGHLIGHTS

Tulameen Platinum (Bright Star Ventures) - encouraging results reported today for the DP zone, which from its location and description, appears to be close to the FRM 52 copper prospect (MF 92HSE120) south of Olivine Mountain. Bright Star reported that a 300 by 200 m Pd-Pt-Cu-Au anomaly has been defined by rock sampling and a one metre bedrock chip assayed 2.08 g/t PGE and 0.17% Cu. "Disseminated and fracture-controlled pyrite-chalcopyrite mineralization with malachite staining has been sampled over a large area within magnetite-rich homblende clinopyroxenite". Perhaps most encouraging is the definition of "two significant NNW-trending soil anomalies (up to 280 pob Pt. 195 pob Pd and 4500 pom Cu) which extend over a combined strike length of 2 Km". Drilling (1000 m) is scheduled to begin within the next 10 days. The company is rumoured to have acquired additional ground recently, including the Lodestone Mountain property to the south.

Lillooet LRMP - An editorial entitled "Buried at Lillooet - BC's Mining Future" appeared in the National Post today. It reinforces the importance of the mineral values in the Lillooet LRMP, and suggests that industry will be watching closely for a strong pro-business signal in the Government's upcoming decision.

FOF

national post editorial resour...

ACTIVITIES

Briton Iron paper - studied samples, collected literature and began writing a paper on this unusual iron occurrence, I'm trying to determine if it falls into the Iron Oxide Copper Gold class of deposits, and if that part of the Stikine terrane has potential for other similar deposits. GSB has agreed to pay for some assays and x-ray diffraction work to characterize the metal content and mineralogy.

Dankoe Mine - dug out mine plans (1968) on behalf of a neighbor who is looking into a water-related issue(?) She may be in Monday to borrow them and make copies.

EXPLORATION NEWS Inlameen Coal Basin Coal (Compliance Energy) - Coal wash plant arrived at Simlico site this week and is being assembled.

Elizabeth (J-Pacific Gold) - drilling has been underway for about a week on this gold property located northwest of Lillooet.

Afton (DRC Resources) - rumours of a good hole may be the reason for the stock price jumping up about 60% to \$3.90 since mid August. No news has been released since June 6th.

Elk (Almaden Minerals) - Seguin reported they are on the last hole of a program originally planned for 4500 metres.

Prospect Valley (Almaden) - trenching of this new gold prospect west of Merritt is slated to take place in early October. Epithermal Au-Ag mineralization was discovered last fall by a crew following up an old GSB stream sediment anomaly.

Panorama Ridge (Goldcliff Resources) - reported on results of five excavator trenches, soils, geophysics etc from this skam gold prospect located east of the Nickel Plate mine. Additional claims have been staked. Trenching continues and a tender for drilling has been let.

OTHER

Performance Plan - under construction

VB> Rb

From:	Cathro, Mike EM:EX
Sent:	Friday, September 06, 2002 4:19 PM
To:	Adams, Rick EM:EX
Cc:	Britton, Jim SRM:EX; 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 9/6/02

EXPLORATION ACTIVITY

2002 Exploration spending for South-Central region now estimated at \$6.4 million with about 44,000 m of drilling. Although several small new projects have recently been announced, several other companies are having financing difficulties and may reduce their original programs (e.g. Orphan Boy, Cassidy, Goldcliff, J-Pacific, Abacus to name some).

Elk (Almaden Minerals) - \$900,000 financing announced.

Basin Coal (Compliance Energy Corp) - Compliance Energy Corp has been created by merger of Beanstalk Capital and Compliance Coal. Concurrently, the new company announced that **Nissho Iwai Canada Ltd.** has agreed to purchase a 35% interest in the Basin Project. Could this mean they may try to export thermal coal?

OTHER

Crown Granted Mineral Claims - at B. Madu's suggestion, I made a request to MTB for disposal of accumulated Crown Granted Claims, which now total some 500 units. It has been 4 years since the last disposal. Could generate some staking, excitement and economic activity.

Land Use - reviewed and provided comments on Two Zone System brochure prepared by MSRM. Also discussed geological and mineral resource information needs for upcoming Merritt LRMP with Dave Lefebure of GSB.

IN HPCOMING

Briton Hunter Point Exploration) - next week I plan to visit this iron (hematite) deposit, located near Perkins Peak west of Williams Lake. The deposit and area appear to have some similarities with the Iron Oxide Cu-Au class of deposits and I would like to describe the deposit, sample it and see how it compares with this attractive deposit model.

Iron Lake (Argent Resources) - also plan to visit this alkalic Cu-Au-Pd-Pt prospect east of Williams Lake, which is currentl being explored.

Mike

Mike Cathro, P.Geo Regional Geologist Mining Division Ministry of Energy and Mines

Direct Telephone 250 554-5377 Messages & Inquiries 250 554-5370 Facsimile 250 554-5384 Autotel 250 372-6757 email mike.cathro@gems2.gov.bc.ca

Page 1 of 2

55-skeg, Mg, - Komloops

From: Adams, Rick EM:EX

Sent: Friday, July 19, 2002 4:13 PM

- To: Anderson, Duane; Beswick, Ed; Booth, Richard; Britton, Jim; Carr, Chris; Cheetham, Pat; Curtis, Ross; Errington, John; Ferguson, Susan; German, Gerald; Hall, Ted; Hermann, Fred; Hoffman, Al; Jorgensen, Sharon; Lewis, Jim; Lieutard, Denis; McArthur, Gib; McKillop, Greg; Murphy, Maureen; Nash, Laurel; O'Rourke, Patrick; Rennie, Lorna; Rick Conte (E-mail); Roberts, Steve; Sandra Martin; Schroeter, Tom; Shelley Guthrie (E-mail); Smyth, Ron; Stewart, Linda; Walter Poohachoff (E-mail); Whale, Andrew
- Cc: Allan Ludwig (E-mail); Cathro, Mike; Heistad, Ray; Horton, Russ; Madu, Bruce; Mehr, Eugene; Rothman, Stephen; Seguin, Joe; Wallis, Yvonne; Worsfold, Joyce

Subject: South Central Region to July 19, 2002

issues:

Highland Valley Copper- all members of the basal aquifer dewatering Project Committee now recommend referral to Ministers for certification, except the Nicola Tribal Association and DFO. NTA maintains the scope of the review should be expanded to include the entire 40 year mine life, and any impacts on FN. NTA also maintains consultation efforts by the EAO and HVC are merely information sharing, and do not constitute consultation or accommodation of FN's interests. EAO to meet with NTA next week in further efforts to resolve. DFO maintains that HVC must guarantee minimum flows once they commence discharging water. EAO and HVC response is: the risk of no discharge following commencement is extremely low, however, available ground water is a function of climate and weather beyond HVC's control, and it is <u>unreasonable to require HVC to guarantee</u> that which they do not control. EAO is awaiting DFO's final response. May go to Ministers with a non-consensus recommendation. Must be finalized before August 1, as no further opportunity for deadline extension exists.

FYI:

Craigmont Mine- subsequent to the overtopping and erosion of the tailings dike, and construction of a dike plug, MEM has authorized resumption of operations based on recommendations by Klohn Crippen.

Lillooet LRMP- 33 protection, recreation and tourism groups have initiated a lobbying campaign entitled "South Chilcotin Rainshadow Wilderness. It Took 60 Years to Make This a Park. One Cabinet Meeting Could Change That." Their ad encourages writing MLAs, Minister Hagen and Premier Campbell in support of the previous government's decision on the land use plan.

Trans-Canada Highway - The National Post reports that the Federal government is considering a \$10-15 billion dollar plan to four-lane the TCH right across Canada. Given that about half of BC's two-lane TCH falls in the South-Central region, this would be a huge boon for the local mining and construction industry, especially suppliers of cement, aggregate and asphalt.

Red Lake (Western Industrial Clay Products) - attempting to become house-brand pet litter supplier for Walmart USA. This would be a big market and very positive for the company. WICP is having little success developing a market for their "Jeonardite"-based potting soils, however, they will continue to produce humic and fulvic acids from leonardite. BC's hydroponic gardening industry represents a large market for those facids.

Elk (Almaden Minerals Ltd.) - A \$350,000, 4000 metre drilling program is underway on this property located near the Elkhart exit on the Okanagan Connector. The "Deep B" zone (currently 12,200 tons grading 2.93 oz/ton Au) of the Siwash North vein and the WD vein (16,700 tons grading 1.55 oz/ton) are the main targets, although two holes were drilled on a new target in the Bullion Creek area. The total resource/reserve on the property is 123,000 tons grading 1.153 oz/ton.

Au-Wen-Mal (Lateegra Resources) - As of July 15th, 2 holes had been drilled on the Malechite 1 skarn Cu prespect hosted by the Nicola Group east of Aspen Grove. Eight to 12 metre-wide skarn beds consist of chalcopyrite with magnetite, garnet and epidote. At least one more hole will be drilled on this prospect prior to moving the drill to the Wen gold prospect for 3 more holes.

From:	Cathro, Mike EM:EX
Sent:	Friday, December 07, 2001 2:15 PM
Το:	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 12/7/2001

NEW HIGHLIGHTS:

Prospect Valley (Fairfield Minerals Ltd.) - Co. reported a discovery of epithermal gold-silver mineralization in float boulders over an area of 1 square km, located 50 km west of Merritt. 40 claim units were staked. Grab samples run up to 43.34 g/t Au plus anomalous silver, arsenic, antimony and molybdenum. (*Cathro comment: this appears to be a brand new discovery - there are no MINFILE or ARIS nearby, although there is a 150 ppb Au RGS anomaly in a creek draining the property. The area is underlain by PTr granodiorite (Mt Lytton Complex) and IK andesitic volcanics (Spences Bridge Group)*).

Elk (Fairfield Minerals Ltd.) - also reported discovery of two new high-grade vein occurrences on the Elk property east of Merritt. Trenching in the Siwash East area, 1.7 km east of the past producing Siwash North mine, encountered a 20 cm vein which returned 21.7 g/t Au and 32.9 g/t Ag over a 0.5 by 0.5 m panel. Trenching in the Gold Creek West area encoutered a 30 cm quartz vein which graded 20.5 g/t Au and 59.6 g/t Ag from a 0.8 by 0.5 m panel. A 9500 m, three stage drilling program on three main target areas has been recommended by Leo King, consultant.

Afton (DRC Resources Corp.) - Results released for hole 46 which was "drilled diagonally to the mineral zone" (-76 degrees at 210 azimuth). As expected, the hole intersected a very long zone of good mineralization. From 324 to 667 m the hole cut 343 m (1124 ft) grading 1.35% Cu, 0.82 g/t Au, 1.9 g/t Ag, and 0.07 g/t Pd. (Cathro comment - nice intersection but the hole was probably drilled almost down the plunge of the mineralized body)

Eco-Tech Laboratory - Frank Pezotti has retired and the lab has been purchased by long time employee (and current KEG director) Jutta Jealouse. She is one of two assayers at Eco-Tech. They will continue to provide assaying and environmental analyses from the same location on Dallas Drive, east of Kamloops.

EXPLORATION NEWS:

Worldstock-Silver Lake (Christopher James Gold Corp) - results were (finally) released for 7 drillholes and several trenches completed in June and July, on this porphyry/stockwork copper prospect located north of Little Fort. The holes hit broad zones of pervasive phyllic-argillic alteration in Nicola volcanics, with narrow cores of potassic alteration (and better copper mineralization) centred on crowded feldspar porphyry dikes. Pyrite mineralization is widespread. Several of the holes cut <u>narrow zones</u> of copper mineralization such as 0.38% Cu over 10 m and 0.17% Cu over 20.9 m. The holes were very widely spaced and the anomaly is very large, so additional work is likely. (Cathro comment: they appear to be on the periphery of a porphyry system - they need to locate the intrusive source of the cfp dikes - hopefully that larger intrusive body will have more widespread copper)

OTHER ACTIVITIES

Jesmond Limestone - provided geological and resource info to an Alberta client who is evaluating this deposit on behalf of a major Canadian lime producer.

Prospectors Assistance Program - approved final report and payment for J. Kerr. Another from C. Lowry is awaiting my attention.

BC Mineral Exploration Review 2001 - reviewed this paper which will be handed out at Roundup. It is authored by Tom Schroeter, the RGs, George Simandl (industrial minerals) and Barry Ryan (coal).

Tantalum Market and Resources: An Overview - reviewed this paper by George Simandl, to be published in Geological Fieldwork 2001.

From:	Cathro, Mike EM:EX
Sent:	Thursday, July 27, 2000 3:01 PM
То:	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 7/27/2000

Dobbin (Verdstone/Molycor) - On 7/25 G. Nixon, D. Lefebure, T. Schroeter (all GSB) and I examined core and surface exposures of this interesting Cu-PGM prospect located near Whiterocks Mountain north of Westbank. Nixon is just beginning a mineral deposit study of PGM occurrences in B.C. and Dobbin is a good example of mineralization associated with a multiphase, Jurassic-aged, mafic-alkalic intrusive complex. Chalcopyrite and pyrite occur in stockwork veinlets and as disseminations in magnetite-rich homblende pyroxenite and biotite pyroxenite. The veinlets also contain epidote, calcite, quartz and rare garnet. Other intrusive rocks present are guartz diorite, leucocratic guartz monzonite, and hornblende gabbro.

22 holes were drilled on the Dobbin prospect in 1997, of which 10 holes had intersections of low-grade Cu-PGM mineralization. The best hole hit 111 m grading 0.19% Cu, 0.410 g/t Pt and 0.352 g/t Pd (approx. \$18US/tonne gross in situ metal value at todays prices) which included 15 m grading 0.54% Cu, 1.316 g/t Pt and 0.949 g/t Pd (or \$US52/tonne gross). In that program, only one assay was done for Indium (current price \$US 400/oz) and returned 0.11 g/t. and perhaps more importantly, no assaying has been done for rhodium which currently sells for about \$US2400/oz. Unfortunately, despite the encouraging results and the current worldwide exploration boom for PGMs, the joint venture partners have so far been unable to raise funds for exploration this year.

Brenda Mine (Noranda) - Brief tour of the pit and water treatment plant on 7/26 with Nixon et. al. The main purpose was to view the mineralization and compare it to low-grade Mo-Cu mineralization which occurs in felsic intrusive rocks near Dobbin. The Brenda ore is notable in its extremely low pyrite content, very minimal alteration (propylitic and minor potassic) and the small amount of guartz in the veins, relative to most porphyry deposits. In these regards, it has some similarities to the Fort Knox gold setting.

Elk (Fairfield Minerals) brief tour (7/26) with T. Schroeter and Wojtek Jakabowski (project geologist) of this intrusion-hosted, mesothermal gold-quartz vein property located 30 km west of Brenda. Fairfield is in the midst of a 14 hole, 1200 m drilling program, which is focussed on extensions of the main Siwash North vein (52,000 oz produced between approx. '93 and '95) and the Gold Creek West area. Mineralization consists of narrow (30 cm) guartz-pyrite veins hosted in granodiorite and guartz monzonite of the Early Jurassic Osprey Lake intrusion.

Afton (DRC Resources) - Good results released for hole 4 (e.g. 190 ft of 2.76% Cu equivalent plus 610 ft of 2.82% Cu eq.) Assays are awaited for Holes 5 and 6 which are reported to have hit the zone over 884 and 882 ft. respectively. The \$5 million financing has still not closed (was to have been the 19th) and there is a rumour that they have stopped drilling.

PAP updates - Despite having 2 disks removed from his back less than 6 weeks ago. Camille Berube has found an exciting new prospect near East Barriere Lake, consisting of 1-2% disseminated pyrite-pyrrhotite in lise. massive magnetite-gamet-pyroxene skam. The skarn is reported to occur over 60 m width in a roadcut and Au assays are eagenly awaited. Additional staking is underway. This new prospect occurs in the headwaters of a creek which had two sites with anomalous Au, Bi and W in Ray Lett's recent stream geochem release (Open File 2000-23).

Mike

Ven

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

tel: (250) 828-4566 fax: (250) 828-4726

From:	Adams, Rick EM:EX
Sent:	Friday, November 05, 1999 2:34 PM
То:	Anderson, Duane; Bergen, Wally; Beswick, Ed; Booth, Richard; Braidwood, Brian; Carter, Tom; Castillo, Talitha; Cheetham, Pat; Clancy, John; Eaton, Tim; Emery, Kristy; Errington, John; Ferguson, Susan; German, Gerald; Guthrie, Shelley; Hall, Ted; Hermann, Fred; Hesketh, Joan; Hoffman, Al; Jorgensen, Sharon; Lewis, Jim; Lieutard, Denis; McArthur, Gib; McKillop, Greg; McLaren, Graeme; Readshaw, Kerry; Rennie, Lorna; Schroeter, Tom; Smyth, Ron; Stewart, Linda; Whale, Andrew
Cc:	Barrett, Bev; Beresford, Eric; Britton, Jim; Cathro, Mike; Heistad, Ray; Horton, Russ; Inkster, Patricia; Madu, Bruce; Mehr, Eugene; Rothman, Stephen; Seguin, Joe; Worsfold, Joyce
Subject:	South Central Region to November 5/99

<u>lssues:</u>

Highland Valley Copper- two D.O.s:

1. A small fire occured while welding on a splitter box on A-Line ball mill. The fire was extinguished by the crew before the ERT arrived. An investigation will be conducted.

2. A mechanic working on the hydraulic lines under a raised box on a haulage truck released the pressure on the line and the box lowered. It took approximately 35 - 40 secs for the box to lower. The mechanic was not injured. A spike cable normally used to hold the box in the raised position was not used. An investigation will be conducted.

Ashcroft Quarry- following their claim of inadequate consultation on this project, Nlaka'pamux Nation, Chief Bob Pasco, has asked MEM for: full disclosure of all aspects of the project; capacity funding to participate; comanagement; a NNTC-BC consultation process for lands in their territory; proper protection of cultural heritage resources; environmental controls; direct and indirect benefits including training and employment; and last, but not least, revenue sharing. MEM can entertain some requests, but not all.

<u>FYI:</u>

Fairfield Minerals has given preliminary indications that another party has expressed interest in re-starting the underground and open pit operations at Siwash Gold, off the Okanagan Connector, midway between Westbank and Merritt.

Envirogreen Technologies- continues to pursue the options of applying sulfur contaminated soils, and metal contaminated soils to the <u>Similco Mine</u>, Princeton, for reclamation purposes. While Envirogreen continues to push hard, they still have not supplied Similco with the consultant's report on sulfur soils, or the detailed proposal for a demo trial of the metal soils.

Skeetchestn Indian Band- goes to court next week claiming Aboriginal Title over the Six Mile Ranch Development on Kamloops Lake. Appears to be yet another component of the Interior non-Treaty Bands' strategy to raise their profile with government through the courts and the media. Six Mile is immediately adjacent to the Copper King mineral property and the Cherry creek gravel pit, but no indication of conflict there, yet.

Our office has supplied **Kamloops Indian Band** with maps of mineral tenure and mineral occurrences for the Harper Ranch and associated grazing leases, following the announcement of their purchase. They have also been advised of requirements under Section 19 of the Mineral Tenure Act, for notification of surface rights holders prior to mechanical disturbance, in response to their queries.