5011ivan 888152 82F/9 768-2RG

From:

Wilton, Paul EM:EX

Sent:

Friday, November 27, 1998 1:18 PM

To:

Whale, Andrew EM:EX

Cc:

Grieve, Dave EM:EX; Turner, Jim EM:EX; Wuschke, Steven EM:EX; Dittrick, Maggie EM:EX; Roach, Dennis EM:EX; Rosentreter, Rieva EM:EX; Taje, Eddy EM:EX; Campbell, Karen EM:EX; Smolik, Valerie EM:EX; Downie, Arlene EM:EX; Berdusco, Ricci EM:EX; MacDonald, Garry EM:EX; MacDonald, Linda EM:EX; Lane, Bob EM:EX; Cathro, Mike EM:EX; Wojdak, Paul EM:EX; Schroeter, Tom EM:EX; Pinsent, Robert EM:EX; Smyth, Ron EM:EX; McMillan, Bill EM:EX; McArthur, Gib EM:EX; Brown, Derek EM:EX; Lefebure, Dave EM:EX; Jones, Larry

EM:EX

Subject:

Weekly Report - Nov. 27th/98

- At the Paul-Mike property near Wasa, Dia Met is still working on the first hole. They are reducing to SQ and currently on hold pending arrival of more rods. The hole is at a depth of 930 metres, well below the targetted depth of the seismic anomalies, but "Chuck hasn't told us to stop". The company has not released any information about results to date and it's all very hush-hush.

Cominco has reactivated its plan to drill a 2700m hole on Mark Creek north of the Sullivan mine to further test known stratiform mineralization on the north side of the Kimberley fault. Permits were already in place and work is expected to start in January. Looking to a future with robotic mining.

- Abitibi Mining has reported completion of three drill holes, totalling about 300 m, on its Cold Creek property east of Yahk. The objective was to test the best of its interpreted hydrothermal (Sullivan-style) vent systems outlined last year. They reported intersecting continuous alteration and minor mineralization in all three holes; assays are pending. This completes the last drilling in the Aldridge play for this year. There is some major inner turmoil in the Sedex/Abitibi organization (CONFIDENTIAL) which flared into open flames last week. The Cranbrook field office on Wilks road is being closed and abandoned, everybody local appears to have been fired, and I'm told all the files are now in Denver. I don't know about the drill core but hope for some clarification after the US Thanksgiving.
- Cranbrook-based Chapleau Resources, which swore last year that it would never again work in BC, is back in the area picking up grassroots properties for work next year. (CONFIDENTIAL).
- Rio Algom has had a group of heavyweight exploration staff touring the area with the objective of getting in on the Aldridge play as well.
- Sultan Minerals has indicated to Steve that it will be postponing its small, helicopter-supported drill program at the True Blue vms prospect near Kaslo until spring. Meanwhile, drilling has been resumed by Cream Minerals at the Kaslo Silver prospect.
- Anglo Swiss Resources continues to report new findings of gemstones on its Blu Starr holdings in the Slocan Valley this time "water sapphires"(?) in the alluvial gravels.
- In a recent press release, I.M.P. Industrial Mineral Park Mining Corp.stated that it is negotiating a \$700,000 loan from an unidentified crown corporation, presumably to help develop, or explore?, its Black Crysta! graphite prospect on Hoder Creek in the Vaihallas. It claims to be able to employ 22 people (not 21 or 23, but 22). It further states that its partially complete pilot mill on Koch Creek (assessed at \$1.5 million!!) has been accepted as collateral on the loan. Sounds to me like somebody hasn't done his homework! A bit more mapping and sampling of the weathered surface exposures on the claims was apparently carried out late this year, but the badly needed exploration drilling and trenching which had been promised and permitted has not been done.
  - Linda Caron and John Kemp of the Boundary Mining Association are organizing a basic prospecting course to

VBS-) RG -(ranbrook)

## Schroeter, Tom EM:EX

From:

Wilton, Paul EM:EX

Sent:

Friday, December 04, 1998 12:50 PM

To:

Whale, Andrew EM:EX

Cc:

Grieve, Dave EM:EX; Turner, Jim EM:EX; Wuschke, Steven EM:EX; Dittrick, Maggie EM:EX; Roach, Dennis EM:EX; Rosentreter, Rieva EM:EX; Taje, Eddy EM:EX; Campbell, Karen EM:EX; Smolik, Valerie EM:EX; Downie, Arlene EM:EX; Berdusco, Ricci EM:EX; MacDonald, Garry EM:EX; MacDonald, Linda EM:EX; Cathro, Mike EM:EX; Wojdak, Paul EM:EX; Lane, Bob EM:EX; Schroeter, Tom EM:EX; Pinsent, Robert EM:EX; Smyth, Ron EM:EX; Brown, Derek

EM:EX; McMillan, Bill EM:EX; McArthur, Gib EM:EX

Subject:

Weekly Report - Dec. 4 /98

; ILVANA

- Ed Taje has learned that the proposed deal between Treminco and Regeena Resources for acquisition by Regeena of the Silvana mine and mill at Sandon has fallen through. Now Klondike Gold Corp., a Richard Hughes company, has reportedly put a deposit on the property and may gear up to do some small scale mining in the new year. Klondike Gold has acquired the nearby Wonderful mine and carried out some rehabilitation and sampling there earlier in the year. The status of the Willa property near Silverton, which had been included in the proposed deal with Regeena, is unknown.

Koot

- Dan Hora tipped us to the fact that <u>Westroc Inc.</u>, operator of the <u>Elkhom gypsum quarry</u> at Windermere, is currently drilling at the <u>Koot gypsum prospect</u> on Kootenay River NE of Canal Flats. The permit issued earlier in the year was for about <u>3000 feet of core drilling</u>. A significant resource of <u>good-quality gypsum</u> has been known for some time and is important to Westroc as the most likely successor to the Elkhorn quarries in a few years.
- A NoW has been received from Gold City Industries Ltd. for a program of geological mapping, an LP, survey, and 1000m of rotary drilling at the Old Nick nickel/cobalt prospect near Bridesville. The work is proposed to be done between now and Dec. 31st mapping in December?

- Visited for a while on Monday with Ken Pride and his staff at Cominco's Cranbrook exploration office. The staff consists of five geologists counting Ken with one more to come - no support staff. They confirmed that, for now, they are not going to be doing any more work in the Aldridge sedex play but have optioned three of their properties to the Hastings Management group. The one exception is the proposed deep hole at Mark Creek where they hope, in 1999, to do another test of the deep stratiform mineralization on the north side of the Kimberley fault. (CONFIDENTIAL and subject to Directors' approval).

Their major interest right now is to pursue new 2n/Pb/Ag reserves close to Trail, i.e. in the Kootenay Arc. They spent about \$250,000 in 1998 on grassroots (they prefer to call it "target development") in the part of the Arc between Kootenay Lake and the U.S. border. This work has generated some very attractive drill targets which they feel will definitely see drilling in 1999. Neil O'Brien, who leads their Kootenay Arc work, mentioned to me, as have two other companies currently active in the area, that he has found major problems with the stratigraphic interpretations and correlations that resulted from the very old mapping of Fyles and Little. He would support any new government mapping initiatives and recommended an initial recce, type assessment of the problem followed by 1:20,000 mapping in key areas, as opposed to 1:50,000 mapping of the whole celt or a specific map sheet.

On the political side, Cominco obviously has strong concerns, at high levels in its exploration group, about the security of mineral tenure, access to land in the long term, and, particularly, the possible negative impact of pending aboriginal land claim agreements, in the region. Ken indicated that he has twice written to Sophie Pierre, Administrator of the Ktunaxa tribal council and Chief of the St. Mary Band, asking for a meeting to discuss the policies and attitude of her organizations toward the mining industry. Neither letter has apparently received even the courtesy of an acknowledgement. If true, that sort of arrogance will do nothing to dispel cynicism and concern within the region's major industry.

- thazawlfernow - HPW. Note new e-mail address: paul.wilton@gems4.gov.bc.ca

Page 1

From:

Whale, Andrew EM:EX

Sent:

Friday, December 11, 1998 2:25 PM

To:

Anderson, Duane; Berkes, Carron; Cheetham, Pat; German, Gerald; Hesketh, Joan; Jorgensen, Sharon; Marsman, Talitha; McLaren, Graeme; Phelan, Bill; Schmitt, Rolf; Schroeter, Tom; Starkes, Terri; Stewart, Linda; Campbell, Karen; Dittrick, Maggie; Downie, Arlene; Grieve, Dave: Roach, Dennis; Rosentreter, Rieva; Smolik, Valarie; Taje, Eddy; Whale, Andrew; Wilton, Paul; Wuschke, Steven; Hermann, Fred; Lieutard, Denis; Smyth, Ron; Berdusco, Ricci; MacDonald, Garry; MacDonald, Linda; Booth, Richard; Carter, Tom; Eaton, Tim; Errington, John; Hoffman. Al; McKillop, Greg; Rennie, Lorna; Beresford, Eric; Bergen, Wally; Beswick, Ed; Hall, Ted

Subject:

Kootenay Review - December 11, 98

Sensitivity:

Private

- \* At Line Creek Mine on December 7th, a driller received severe injuries including multiple fractures to right femur, tib and fib, and ankle. During the second attempt to position the pipe truck adjacent to the rotary drill, 7 drill steels rolled from a truck deck and struck the driller who was standing close to the rear of the truck directing the driver.
- The 51 Goal 2 Protected Area Candidates in the West Kootenay/Boundary have been sent out for public comment to key stakeholders (not full consultation)

) All - Miket Dia Met are still working on their deep hole on the Paul-Mike property near Wasa. Depth + 930metres last week.

Cominco has reactivated their proposed latest deep hole (+2700m) in Mark Creek north of Sullivan mine.

- The Aldridge is still a popular target. It is rumored that Rio Algom hope to get into the Aldridge; and Cranbrook based Chapleau Resources, which swore last year that it would never work again in BC, is reconsidering.
- It appears that Treminco's attempts to sell the Silvana mine and the Willas property to Regeena Resources has fallen through (probably because Regeena failed to get any agencies of government to lend them \$\$\$s). Now it appears that Klondike Gold Corporation, a Richard Hughes company, is interested in purchasing the Silavana mine. Regional staff have cautioned all potential buyers that the existing mill and tailings ponds, while permitted for the Silvana ore, will require a permit amendment to prior to processing tailings from other sites, such as Willa, which are acid generating.
- \* No word yet when/if the Ainsworth Mill will restart. Although provincial MEM and MoE permits are in place, DFO adamently object to any lake discharge.

FYI

Ed Taje conducting inspections at Quinsam Mine this week

Rieva Rosentreter in Vancouver at ARD seminar

Kootenay Regional Manager Phone: 250-426-1653

Androw Whale

email: Andrew.Whale@gems6.gov.bc.ca

Page 1

VGS->Sullian

## Schroeter, Tom EM:EX

From:

Smyth, Ron EM:EX

Sent:

Monday, May 17, 1999 4:53 PM

To:

Schroeter, Tom EM:EX; Brown, Derek; McArthur, Gib; McMillan, Bill

Subject:

FW: article of interest

Sensitivity:

Private

From:

Hesketh, Joan EM:EX

Sent:

Friday, May 14, 1999 9:03 AM

To:

Hermann, Fred EM:EX; Errington, John EM:EX; Smyth, Ron EM:EX; German, Gerald EM:EX; Conte, Rick EM:EX; Whale,

Andrew EM:EX; Adams, Rick EM:EX; Hall, Ted EM:EX; Bergen, Wally EM:EX; Beswick, Ed EM:EX

Cc:

Starkes, Terri EM:EX

Subject:

FW: article of interest

Sensitivity:

**Private** 

From:

Zadravec, Don El:EX

Sent:

Thursday, May 13, 1999 7:43 PM

To:

Uppal, Jessie EM:EX; Hesketh, Joan EM:EX

Subject:

article of interest **Private** 

Sensitivity:

Mine may get short reprieve

Source: CP - The Canadian Press

May 13 21:03

By Christalee Douan

Kimberley Daily Bulletin

KIMBERLEY, B.C. (CP) A lead-zinc mine scheduled to close in at the end of next year may get a six-month reprieve, Cominco announced Thursday.

The Sullivan Mine may stay open if metal prices remain stable.

A final decision will be made closer to the December, 2001 closure date.

"It will depend on metal prices closer to the end," said general manager Don Boyle.

"We think we might be able to stretch up to six months at price ranges that are anticipated."

Cominco technical personnel are currently looking for lead-zinc content outside the mine.

Boyle warns it would only be a temporary extension.

"I wouldn't want anybody to get any hopes up beyond the point of six months," he said. "We have not changed our plans to shut down at the end of 2001."

Cominco wants to extract all of the lead-zinc ore it can from the mine before it closes.

"We have a responsibility to recover every extractable resource here that we can," Boyle said.

Cominco currently employs 600 to 650 people. About 450 of those are expected to still be employable in December, 2001.

Kimberley city Coun. Jack Ratcliffe said the city will continue to prepare for the mine to close in 2001.

"We are planning for closure at the end of 2001, so (an extension) would just be a bonus," he said.

The vice-president of the local chamber of commerce agreed.

Neil Pringle said the extension will certainly help individual employees, but not the city as a whole.

7

"I think this community is adjusting so well to its switch over from mining as the primary resource to tourism being the primary resource that the six-month extension will have little impact." he said.

Meanwhile, a deal was struck to keep the Quinsam Coal mine near Campbell River open.

The operation could have closed as early as today because of low coal prices.

But the 120 workers have agreed to take a 10 per cent wage cut over the next year.

The mine will later pay back the money, with interest.

Quinsam head David Slater said he's not happy about taking money from his employees, but he's encouraged by rising coal prices.

He said he hopes by next year the mine will be back in the black.

Quinsam also got concessions from creditors and the provincial government.

INDEX: MINING ECONOMY



VBS-) Reg. Mg. - Crambiant

## Schroeter, Tom EM:EX

From:

Whale, Andrew EM:EX

Sent:

Friday, September 17, 1999 1:37 PM

To:

Anderson, Duane; Berkes, Carron; Cheetham, Pat; Finvers, Maija; German, Gerald; Hesketh, Joan; Jorgensen, Sharon; Lunam, Charene; Marsman, Talitha; McLaren, Graeme; Phelan, Bill; Schmitt, Rolf; Schroeter, Tom; Starkes, Terri; Stewart, Linda; Campbell, Karen; Dittrick, Maggie; Downie, Arlene; Elkins, Paul; Grieve, Dave; Roach, Dennis; Rosentreter, Rieva; Smolik, Valarie; Tumer, Jim; Whale, Andrew; Wilton, Paul; Wuschke, Steven; Conte, Rick; Hermann, Fred; Smyth, Ron; Berdusco, Ricci; MacDonald, Garry; MacDonald, Linda; Booth, Richard; Carter, Tom; Eaton, Tim; Errington, John; Hoffman, Al; McKillop, Greg; Rennie, Lorna; Adams, Rick;

Bergen, Wally; Beswick, Ed; Hall, Ted

Subject:

Kootenay Review - September 17th, 1999

The East Kootenay continues to the exploration hot spot of the province:

- Eastfield are completing their drilling project on the Crowsnest property in the Flathead valley
- Eagle Plains are completing their drilling project on the North Findlay property (funded by Billiton)
- Chapleau's PAKK property located SW of St Marys Lake continues to generate excitement
- permit application received for other sedex targets in the region
- u/g barite exploration continues on Jubilee Mountain, near Radium

While Cominco have not made any formal statements, Sullivan Mine staff continue to re-examine mine ore reserves in efforts to maintain production and potentially extend the mine life beyond the office closure date of Dec 31 2001, by up to 6 months. As part of this strategy a plan for resumption of mining in the open pit has been submitted and permitted.

While coal prices are still low, all the coal mine have picked up spot sales, and it is probable that Fording Coal Ltd will not have any more shutdowns this year.

The next Sullivan Mine Public Liaison Committee meeting has been arranged for Sept 29th.

IAMC meet Sept 22 to discuss new "Goal 2" Protected areas in the West Kooteany. MEM will to get some off the table because of mineral tenure conflicts.

Paul Elkins, our new mine inspector, had an interesting experience during his recent inspection of the old Monarch and Kicking Horse Mines now located within YoHo Park. The Federal Parks staff arranged this joint inspection with their staff, Cp Rail Representatives and Paul. A helicopter landed at the meeting place and Paul soon found himself dangling 200ft below the helicopter as he was lifted over 1000ft up the side of a vertical mountain and deposited close to the main mine portal.

Kootenay Regional Manager Phone: 250-426-1653

Andrew Whale

email: Andrew.Whale@gems6.gov.bc.ca

19 - Key Mgr.

From:

Whale, Andrew EM:EX

Sent:

Monday, April 03, 2000 8:53 AM

To:

Anderson, Duane; Cheetham, Pat; Cochrane, Marlene; Finvers, Maija; German, Gerald; Hams,

Grace; Hesketh, Joan; Jorgensen, Sharon; Lieutard, Denis; Marsman, Talitha; McLaren,

Graeme; Phelan, Bill; Readshaw, Kerry; Schmitt, Rolf; Schroeter, Tom; Starkes, Terri; Stewart, Linda; Campbell, Karen; Dittrick, Maggie; Downie, Arlene; Elkins, Paul; Grieve, Dave; Roach, Dennis; Rosentreter, Rieva; Smolik, Valarie; Turner, Jim; Whale, Andrew; Wilton, Paul; Wuschke, Steven; Conte, Rick; Hermann, Fred; Smyth, Ron; Berdusco, Ricci; MacDonald, Garry; MacDonald, Linda; Booth, Richard; Carter, Tom; Eaton, Tim; Errington, John; Hoffman,

Al; McKillop, Greg; Rennie, Loma; Adams, Rick; Bergen, Wally; Beswick, Ed; Hall, Ted

Subject:

Kootenay Review - March 31, 2000

Bodie Spoil, Elkview Coal

After approx. 2 weeks of intermittent dumping limited by high movement rates, dumping activities were stopped on Tuesday March 28<sup>th</sup>. The increased movement caused by dumping at the 1440 platform at the extreme south of the spoil did not reduce after dumping was discontinued (as was past experience). In addition, deformities at the toe of the spoil were noted. Detailed monitoring has been increased and a remedial plan entailing the construction of a toe buttress has been implemented. Ricci Berdusco keeping a watchful eye on the area. Any failure of this spoil would inevitably result in a debris runout that would probably cross the inter-provincial railway and highway with disastrous consequences.

Moose Creek After an initial flurry of letter to the Minister of Environment, Lands and Parks and the regional MEM manager regarding the potential desecration of the Clayquot of the Kootenays by MX roads/trails, things seem to have quietened. We await phase 2, heavy breathing from the federal agencies. The FOI process has started.

Trans Canada Trail

Trails BC has apparently submitted a proposal for a trail from Ft. Steele to Fernie via

Iron Creek, independently of the TCT. We understand that MoF will withhold approval because the TCT route decision has not yet been made.

Kootenay Recreation and Access Planning (KRAP)

After some rather pointed letter from MEM regional manager to MoF district staff regarding the decision making process for approval of mineral exploration access, MoF Golden District pilot recreation and access plan has dropped their proposed industrial access plan from the current phase of its endeavours. We are gratified to note that MoF staff now present the current corporate message on MX access.

Cominco Pilot Zinc Heap Leaching and Electrowinning Plant

Cominco have made permit application for a research pilot plant to be located at the Sullivan Concentrator site. This plant will investigate a pilot process for zinc heap leaching, neutralisation and electowinning. If successful this process may potentially make lower grade or oxidised zinc deposits economic, and by pass the conventional smelter process.

**FOI requests** FOI requests have been draining support staff time for the last 2 weeks, the largest request comprising over 900 pages.

**KEG** 

Paul Wilton will represent the Kootenay Region at KEG.

Peru Project Steve Wuschke will be absent from the Cranbrook office for the month of April as he will be in Lima participating in the Peru project. Dennis Roach will carry out Steve's permitting tasks and Maggie Dittrick will assume Dennis' duties (but hopefully not his sense of humour).

Kootenay Regional Manager Phone: 250-426-1653

Andrew Whale

From:

Schroeter, Tom EM:EX

Sent:

Friday, May 12, 2000 8:03 AM

To:

Wilton, Paul EM:EX

Subject:

RE: Sullivan Production-1999

Sensitivity:

Private

Thanks very much, Paul - got the fax. Very disturbed to hear about the "Bull River presence/fiasco" at the Workshop last weekend. Any additional comments form Ron's e-mail? Tom.

From:

Wilton, Paul EM:EX

Sent:

Friday, May 12, 2000 7:36 AM

To:

Schroeter, Tom EM:EX

Subject:

RE: Sullivan Production-1999

Sensitivity: Private

Tom, I will fax you the full comment on Sullivan and Trail from Cominco's '99 annual report. In the meantime, here are partial comparisons re total production and zinc production.

- Ore milled (tonnes) 1,730,300 (99) vs 1,915,700 (98)
- Zinc concentrate (tonnes) 174,100 (99) vs 186,900 (98)

Note new e-mail address: paul.wilton@gems4.gov.bc.ca

From:

Schroeter, Tom EM:EX

Sent:

Tuesday, May 09, 2000 2:23 PM

Wilton, Paul EM:EX

Subject: Sullivan Production-1999

High

Importance: Sensitivity:

Private

Paul, in advance of the annual PricewaterhouseCoopers Report "The Mining Industry in BC, 1999" tomorrow - can you kindly provide me with rough production estimates for Sullivan? Particularly interested in zinc ('99 vs '98). Thanks, Tom.

VB-Sullivan

### Schroeter, Tom EM:EX

From:

Smyth, Ron EM:EX

Sent:

Wednesday, August 16, 2000 3:15 PM

To:

Anderson, Duane EM:EX; Lefebure, Dave EM:EX

Cc:

Lewis, Jim E EM:EX; Schroeter, Tom EM:EX; Brown, Derek EM:EX

**Subject:** 

**RE: Sullivan Deposit Parameters** 

#### Dwane.

Suggest you drop by and talk to Dave about Sullivan. Derek is away.

Think of the deposit like a pear with a stem coming off of it. They are now into mining the stem- hence higher costs, lower grade and more distant from the portal.

Minfile-WWW has past production records by year.

Ron Smyth Director

Geological Survey Branch

Phone: (250) 952-0374 Fax: (250) 952-0371

From:

Anderson, Duane EM:EX

Sent:

Wednesday, August 16, 2000 2:22 PM

To:

Smyth, Ron EM:EX

Cc:

Lewis, Jim E EM:EX; Schroeter, Tom EM:EX; Brown, Derek EM:EX

Subject:

Sullivan Deposit Parameters

As part of contribution to:

Mackenzie LRMP analysis of mining values potentially forgone and

James Marshall's project for Ross C,

wish to generate estimates of taxes and economic profits that successful discovery of another "Eskay Creek" and "Sullivan / Red Dog" could generate.

Eskay Creek & Red Dog recently developed and am comfortable with available reserve tonnage & grade data (plan to include arbitrary factor for additional minable reserves that will be discovered at Eskay & keen for any comments) but am not comfortable re: Sullivan grades.

Q: can you advise or have GSB employee comment on grades and related reserves? Are recent grades typical of deposit thru time or were initial grades higher, lower, etc? Concern is that recent production grades and current reserve grades (zinc  $\sim$  6%+, lead  $\sim$  3.5% +/-, silver  $\sim$  18 gpt +/-) (and related recoveries) may not be able to support successful mine development (somewhat borne out by Sullivan operating losses @ \$16 mln in 1998 and 1999). Currently plan to combine with higher grade Red Dog deposit (zn  $\sim$  21%, pb  $\sim$  5.2% and ag  $\sim$  90+ gpt) but would like better understanding of Sullivan deposit.

Note that Cirque/Stronsay deposit (mineable reserves of 24.7 mln mt @ zn - 8.5%, pb - 2.3%, ag - 50.8 gpt) could not support positive production decisions in earlier reviews.

call with any questions or comments,

Duane A.

708-RG - Crambral

## Schroeter, Tom EM:EX

From:

Wilton, Paul EM:EX

Sent:

Friday, August 18, 2000 11:25 AM

To:

Whale, Andrew EM:EX; Wuschke, Steven EM:EX; Dittrick, Maggie EM:EX; Grieve, Dave EM:EX; Tumer, Jim EM:EX; Roach, Dennis EM:EX; Elkins, Paul EM:EX; Rosentreter, Rieva EM:EX; Berdusco, Ricci EM:EX; MacDonald, Garry EM:EX; MacDonald, Linda EM:EX; Campbell, Karen EM:EX; Smolik, Valerie EM:EX; Downie, Arlene EM:EX; Schroeter, Tom EM:EX; Cathro, Mike EM:EX; Lane, Bob EM:EX; Wojdak, Paul EM:EX; Houle, Jacques EM:EX; Lefebure. Dave EM:EX: McArthur. Gib EM:EX: Brown. Derek EM:EX: Smvth. Ron EM:EX:

Pinsent, Robert EM:EX: Jones, Larry EM:EX

**Subject:** 

Weekly Report - 18 August 00

- Supergroup Holdings (Dave Pighin et al) has staked the entire Pc Hellroaring Creek Stock south of St.Mary Lake (NTS 082F/9E) after all pre-existing tenure had lapsed. The stock is well known for its exotic pegmatites and has previously been explored for its beryl, feldspar, mica, and lithium potential. With the Aldridge/Sullivan play starting to slip under the waves, Dave and his partners have researched and become enthused about the present and future markets for beryllium, rubidium, REE's, and other industrial commodities present in the pegmatites. Since staking, Craig Kennedy and his sons have located some previously unreported additional exposures of very coarse beryl crystals (I was shown an euhedral crystal at their core shack which is 16" long and about 5" in diameter). The new claims adjoin the east side of their PAKK property, which is currently under option to Chapleau Resources with Sullivan-style sedex as the target, and are subject to a perimeter clause in the Chapleau agreement. Therefore, Chapleau automatically becomes the operator and has now submitted an NoW to our office for a diamond drilling program consisting of a total 6800m in 68 holes, 4 at each of 17 sites. Work is planned to begin in early September.

- Meanwhile, in the Sinclair Creek and Upper Jack areas of the PAKK property, Chapleau is currently drilling two holes to test the Sullivan horizon downdip from surface indications of stratiform zinc mineralization and heavy vent alteration discovered in 1999. The first hole is actually a deepening of an old Cominco hole which is now believed to have stopped short of Sullivan time.

Cominco's recent release of second-quarter results mentioned, without comment, that the Sullivan mine is now projected to close in December 2001. Dennis Merber confirmed that the company has changed its projection from the June 2002 date given in the last annual report back to the end-of-2001 date, and "it could very likely change again".

In the Matthew Creek area west of Sullivan, Rio Algom is part way through its second deep hole testing the LMC (Sullivan horizon) on the Pyramid Creek property optioned from Abitibi Mines Ltd. From there it will move to the adjoining Bootleg property optioned from Eagle Plains Resources Ltd. These are basically stratigraphic holes and details of the results will have to await press releases from the property owners.

- Likewise, at the **South Findlay** property, Rio Algom had previously completed a three-hole test of the LMC without reports of any major discoveries. The company is however still "encouraged and reviewing the data". (CONFIDENTIAL). This is another Eagle Plains option.

In the bad news category, is the fact that Kennecott aborted its first drill hole well short of target depth on the Greenland Greek property in the Findlay block, withdrew immediately from the property, and now makes no secret locally of the fact that it will not be doing any more work there. Its resident geologist in Invermere, Steve Coombes, is now working in the Yukon. The property owner, Eagle Plains, has not made any official statement about the program or the status of its option agreement, and until it does, this should be considered somewhat CONFIDENTIAL, but the outlook for the Findlay block, last year's "hot spot", looks bleak unless Rio Algom remains positive.

PAKK

WB->Sullivan

## Schroeter, Tom EM:EX

From:

Bhagwanani, Bish EM:EX

Sent:

Thursday, September 28, 2000 9:57 AM

To:

Adams, Rick; Attariwala, Peter; Back, Ian; Barazzuol, Lisa; Beswick, Ed; Bobrowsky, Peter; Brown, Derek; Brown, Matthew; Burgess, Chloe; Cain, Joann; Carter, Tom; Chan, Grace; Chan, Janice; Christensen, Suzanne; Conte, Rick; Curtis, Ross; Dickson, Geri; Ferri, Fil; Feulgen, Sabine; Gee, David; German, Gerald; Gillis, Mark; Gower, Kathy; Green, Dan; Hall, Ted; Hermann, Fred; Hesketh, Joan; Horgan, John; Houle, Jacques; Hoy, Trygve; Jakobsen, Dorthe; Jani, Andy; Jarvin, Richard; Kang, Charles; Khare, Pradeep; Koncohrada, Karen; Lefebure, Dave; Lewis, Jim; Ludwig, Allan; Macaree, Denis; MacLaren, Les; McCliggott, Bob; McKenna, Annis; McKillop, Greg; McLaughlin, Roger; Nagpal, Narender; nchurch@bc.sympatico.ca; Nixon, Graham; Patel, Sirish; Penney, Michael; Price, Bill; Ray, Gerry; Readshaw, Kerry; Roberts, Steve; Robins, Shawn; Schroeter, Tom; Singh, Mohini; Somerville, Bonnie; Stewart, Gregg; Uppal, Jessie; van Soeren, Eric; Webster, Ian;

Whale, Andrew; Wieringa, Paul; Wilson, Stewart

Subject:

Cominco's Sullivan Mine

# Cominco doles out pink slips at B.C. mine

Peter Kennedy 04:00 EDT Thursday, September 28, 2000

VANCOUVER -- Cominco Ltd. began issuing layoff notices yesterday to 622 employees at its Sullivan zinc operation in southeastern British Columbia, signalling the beginning of the end for one of Canada's oldest mines.

The deposit was discovered nearly 108 years ago and became the foundation for Vancouver-based Cominco's global mining operations. But it is close to being mined out and will shut its doors at the end of 2001.

But unlike previous high profile mine closings at Elliot Lake, Ont., and Tumbler Ridge, B.C., the impending shutdown of the Sullivan operation has not sparked the usual talk about the death of another one-industry town in Canada.

That's because Cominco and the United Steelworkers of America Union have been preparing the mine's employees for yesterday's announcement by gradually lowering employment levels and scaling back production rates.

"The reality of the mine closing is here, but we have known this since 1995," said Jeff Moore, president of the United Steelworkers local 651, which represents about 500 production and maintenance workers at Sullivan. "It's sad to see the old girl close. I just hope we can do it with dignity and class."

The nearby town of Kimberley has also been preparing itself for the inevitable by turning itself from a mining town into a destination resort capable of attracting visitors wanting to ski, play golf, hike or go fly fishing.

"This is not a typical mining community," said Larry Haber, director of economic development for Kimberley, which has a population of about 7,000.

Located in a scenic area near Kootenay Lake and a number of provincial parks, Kimberley is a highly developed and rapidly growing tourist area, he said.

Skiing Louise Ltd., a company headed by Calgary entrepreneur Charlie Locke, is developing a \$250-million ski village near the mine that will consist of six hotels, a guest services lodge, condominiums and a new 27-hole golf course.

The company is also hoping to expand the airport at nearby Cranbrook to attract international charter flights to the region.

"We don't promise that this will provide the same amount of jobs that Sullivan has generated over the years, but it should help to stabilize the economy," said Dwayne Blume, an area manager with Skiing

Louise.

Under the Sullivan closing plan, about 100 employees involved in preparing areas of the underground workings for mining will be laid off by next May. The remaining employees will continue to work until the final closing date, which is planned for Dec. 31, 2001.

While that means hundreds of mine workers will soon be looking for jobs elsewhere, the shutdown is expected to have little impact on Cominco itself, which has moved far beyond its Sullivan roots. Although the mine has produced nearly \$19-billion in revenue since 1909, it is now a small part of Cominco's international metal operations.

The 174,100 tonnes of zinc concentrates mined from Sullivan last year represented only 13 per cent of Cominco's annual zinc production.

By comparison, the 943,000 tonnes of zinc concentrates produced at the company's huge Red Dog mine in Alaska now amount to 72 per cent of Cominco's total production.

Still, after the final layoff notices were issued yesterday morning, company employees seemed to have mixed feelings about Sullivan shutting down. "You don't like to see the primary source of your livelihood disappear," said Sandy Saver, Cominco's superintendent of employee relations who has worked at Sullivan for more than 30 years. "I'm 52 now and I'm wondering where I will find a job. I'm sure that [the closing] is the primary thing on everybody's mind."

Of the 622 employees still working at Sullivan, about 400 live in the Kimberley area. About half of those are expected to look for jobs in the town or move elsewhere. Others said employees in the industry have come to accept mine shutdowns.

VGS-Sullivan

## Schroeter, Tom EM:EX

From:

Schroeter, Tom EM:EX

Sent:

Monday, March 19, 2001 8:25 AM

To:

Conte, Rick EM:EX

Subject:

RE: Regulation of the proposed Sullivan Mine Interpretative Centre underground mine

Thanks, I wasn't aware. Tom.

From:

Conte, Rick EM:EX

Sent:

Monday, March 19, 2001 8:17 AM

To:

Schroeter, Tom EM:EX

Subject:

FW: Regulation of the proposed Sullivan Mine Interpretative Centre underground mine

Tom, fyi, in case you were not aware of this initiative.

From: Sent: Turner, Jim EM:EX March 19, 2001 8:13 AM

To:

Conte, Rick EM:EX

Subject:

FW: Regulation of the proposed Sullivan Mine Interpretative Centre underground mine

FYI, not sure whether you are aware of the initiative by Cominco.

Thank you

### Jim Turner

Email at Work: Jim.Turner@gems6.gov.bc.ca

• Work Phone: 250 426-1664 Work Fax: 250 426-1652

From:

Whale, Andrew EM:EX

Sent:

Thursday, March 15, 2001 4:03 PM

To:

Campbell, Karen; Downie, Arlene; Elkins, Paul; Grieve, Dave; Roach, Dennis; Rosentreter, Rieva; Smolik, Valarie; Turner, Jim; Whale, Andrew; Wilton, Paul; Wuschke, Steven; Berdusco, Ricci; MacDonald,

Garry: MacDonald, Linda

Subject:

FW: Regulation of the proposed Sullivan Mine Interpretative Centre underground mine

**FYI** 

From:

Whale, Andrew EM:EX

Sent:

Thursday, March 15, 2001 9:01 AM

To:

'don.boyle@telus.net'

Cc:

'bob.jacko@cominco.com'; Hermann, Fred EM:EX

Subject:

Regulation of the proposed Sullivan Mine Interpretative Centre underground mine

Don,

Sorry about the delay in following up on our discussions regarding the regulatory regime for the proposed Sullivan Mine Interpretative Centre underground mine.

I've discussed the matter with Fred Hermann, Chief Inspector of Mines, and he agrees with my assessment of our approach to the concept.

Firstly I should note that the Mines Branch (MB) supports the Sullivan Mine Interpretative Centre concept. We should all promote mining, and, what better location to do it than at the site of one of the largest mineral deposits and successful mines in BC.

In general terms our strategy would be:

- All the activities required to develop the underground development would be "mining" and fully regulated by the MB as required by the Mines Act and HSR Code.
- Once the mining had been completed, all activities to furnish the interpretative mine, together with the ongoing operation of the interpretative centre would not be "mining" and not regulated by the MB (ie the Mines Act and Code would not be applied) with the following exception.
- Even when the interpretative mine was operational, MB staff would expect the
  appropriate level of ground maintenance, ie a program of thorough barring etc each
  year in the spring (more often if required) conducted by qualified miner(s) under the
  supervision of a shift boss. MB Inspectors would inspect the interpretative mine
  annually to ensure appropriate ground control was being carried out.

Without going into great detail, prior to developing the interpretative mine, a mine plan (complete with acceptable environmental controls) would be required. Mining operations would have to comply with all Mines Act and Code requirements, shift boss, diesel permits etc.

However, when the interpretative mine is operational (with the exception of an annual ground control audit by MB staff) the operators of the Sullivan Mine Interpretative Centre must comply with all regulations necessary for operating a tourist enterprise. Standards for the operation of railroads and elevators, qualifications of tour guides (if any), etc., would be set by the appropriate regulatory agency, not MB.

There may be a few gray areas (e.g. management and treatment of any contaminated mine water) which I'm sure we can work out. I trust that the above clarifies the MB approach to the proposed interpretative mine. Please call to discuss if required.

Kootenay Regional Manager Phone: 250-426-1653

Andrew Whale

email: Andrew.Whale@gems6.gov.bc.ca

768->Sullivan.

## Schroeter, Tom EM:EX

From:

Schroeter, Tom EM:EX

Sent:

Friday, March 23, 2001 9:39 AM

To:

Smyth, Ron EM:EX

Subject:

**RE: Sullivan Mine Closure Celebration** 

Thanks, whatever I can do. Tom.

From:

Smyth, Ron EM:EX

Sent:

Friday, March 23, 2001 9:24 AM

To:

Hesketh, Joan EM:EX

Cc:

Hermann, Fred EM:EX; Hoy, Trygve EM:EX; Schroeter, Tom EM:EX; Whale, Andrew EM:EX

Subject:

Sullivan Mine Closure Celebration

John Hamilton called me to inform us about Cominco's plans for the Sullivan Mine closure celebration this November.

#### Two events:

Environment and sustainable development- Leader David Parker? 1st weekend in November at Kimberly. Hoping to get World Bank, NGO's ect.

Geology-Leader John Hamilton, Mid November, Kimberly. 1 day forum and field trip.

He asked for GSB (Hoy and Schroeter) help in planning the second event and indicated we would be contacted about the 1st event soon.

This fits with our earlier discussions about MEM celebrating 100 years of mining at Sullivan.

Ron Smyth Director

Geological Survey Branch

Phone: (250) 952-0374 Fax: (250) 952-0371

JOS-> Sullivan

From:

Schroeter, Tom EM:EX

Sent:

Monday, July 30, 2001 11:44 AM

To:

Smyth, Ron EM:EX

Cc: Subject: Lefebure, Dave EM:EX; Massey, Nick EM:EX; Hoy, Trygve EM:EX; Brown, Derek EM:EX

Sullivan 'Marker' Core Library

Gentlemen, John Hamilton has contacted me regarding the 'future' of Cominco/Teck's Sullivan Marker Core Library (after closure). As you all know, Cominco has over the past decades built up a very impressive, important core library illustrating/documenting MARKER units within the huge Aldridge stratigraphy. In addition, some of the deepest holes ever drilled in the camp (e.g. >8500 feet) should be telescoped and saved? I think we all agree that for the sake of LONG-TERM SCIENCE, this 'library' should be preserved. The questions are how and at what/whose cost? John Hamilton is just starting to 'deal' with this scenario; he will be examining various options. In the meantime he is seeking input from the provincial and federal governments. He will be contacting the GSC (Mike Cecille) in Calgary to see if it is interested/willing in keeping the core in its Calgary facility. Any comments/suggestions? Tom.

(S-) Sullivan

From:

Schroeter, Tom EM:EX

Sent:

Sunday, November 25, 2001 12:15 PM

To: Subject: Terry. David EM:EX RE: Sullivan Gold

Thanks for the 'copy', Dave. Tom.

----Original Message----From:

Terry, David EM:EX

Sent:

Thursday, November 15, 2001 12:16 PM

To:

'bhauser@yt.sympatico.ca'

Cc:

Norm Duke (E-mail); Schroeter, Tom EM:EX

Subject:

Sullivan Gold

Hello Bob:

Regarding your inquiries about gold production from Sullivan I got the information for my poster from a table in Trygve Hoy's Bulletin 84, Geology of the Purcell Supergroup in the Fernie Map Area. Chapter 6, Table 12 on page 83 states that 174,863 grams of Au were produced from Sullivan and Table 14 on page 86 lists gold with the commodities produced at Sullivan. Sn is also mentioned in this table but not Table 12.

The Minfile production report for Sullivan, which can be viewed at the following website:

http://www.em.gov.bc.ca/cf/minfile/search/search.cfm?mode=prodinfo&minfilno=082FNE052

provides the year by year production data for Sullivan. This report also indicates that 174,863 grams (5,622 ounces) Au were produced from Sullivan at a rate of between 4,000 and 11,000 grams per year between 1953 and 1975.

9,702,543 kg of Sn have been produced from Sullivan, up to 1999, and this should have been included in the bracketed portion on the commodity list.

I hope this clarifies things for you.

Regards,

**David Terry** 

David A. Terry, Ph.D., P.Geo. Regional Geologist, Kootenay Region #201-100 Cranbrook Street North Cranbrook, BC V1C 3P9 Tel: (250) 426-1658 Fax: (250) 426-1652 David. Terry@gems2.gov.bc.ca

From: Schroeter, Tom EM:EX

Sent: Wednesday, September 29, 2004 8:32 AM

To: 'Sheila Stenzel'

Subject: RE: How deep is the Sullivan Mine?

Hi, Sheila. The Sullivan Mine (\$20B worth) was mined down to a depth of approx. 500m. As you are probably aware, several other companies continue to explore for similar type deposits in the area, especially at depth. The high-profile "Sullivan Deeps" project (Stikine Gold Corp.) is the best current example. It is nearing its target depth of ~ 2700m (northern offset of the 'original' Sullivan deposit). That's right - 2700m! Cheers,

#### Tom

Tom Schroeter, P.Eng./P.Geo.
Senior Regional Geologist
Geological Survey and Development Branch
Mining and Minerals Division
Ministry of Energy and Mines

Direct Telephone 604 660-2812
Messages & Enquiries 604 660-2708
Facsimile 604 775-0313
email tom.schroeter@gems6.gov.bc.ca
Autotel 604 662-9091

----Original Message----

**From:** Sheila Stenzel [mailto:stenzel@mining.bc.ca] **Sent:** Tuesday, September 28, 2004 4:03 PM

**To:** Schroeter, Tom EM:EX

Subject: How deep is the Sullivan Mine?

Sheila R. Stenzel Mineral Resources Education Program of British Columbia 910 - 1111 Melville Street Vancouver, BC V6E 3V6 604-681-4321 ext115

From: Stikine Gold Corporation [info@stikinegold.com]

\_\_\_\_\_\_

Sent: Tue, February 20, 2007 3:05 PM
To: Schroeter, Tom EMPR:EX

Subject: Sullivan Deeps SD3 Drilling Update

SW-Feb 21/67

Re: News Releases - Tuesday, February 20, 2007

Sullivan Deeps SD3 Drilling Update

Vancouver, British Columbia: Stikine Gold Corporation (SKY: TSX-V) ("Stikine" or the "Company") announces that diamond drilling of its third exploration hole at the Sullivan

Deeps Project recently reached a depth of 1,533 metres (m) (5,092 feet).

Project Manager, Paul Ransom, P.Geo., a Qualified Person under NI 43-101, has also reported the intersection of the 'Kid' Marker at a depth of approximately 1,472 m.

The SD3 drill program is a continuation of Stikine's exploration for a sister deposit to the legendary Sullivan Mine, located near Kimberley, BC which operated for nearly a century until closing in late 2001.

According to the Province of British Columbia, the Sullivan Mine produced approximately 17.5 billion lbs of zinc (Zn), 18.5 billion lbs of lead (Pb) and 298 million ozs of silver (Ag) along with other associated metals. Using current metal prices, Sullivan life-of-mine production would be valued at over US\$40 billion.

The Company also announces, subject to regulatory approval, the granting of incentive stock options to directors and consultants of the Company to purchase up to 750,000 common shares of the Company at a price of 30 cents per share for a period of five years.

STIKINE GOLD CORPORATION "Scott Broughton"

Scott E. Broughton, P.Eng. -- President & CEO

For further information contact:

Doug Fosbrooke Investor Relations Tel: (604) 684-1900 Fax: (604) 684-2902

Email: info@stikinegold.com Web: www.stikinegold.com

The TSX Venture Exchange does not accept responsibility for the adequacy or accuracy of this release.

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From:

Stikine Gold Corporation [info@stikinegold.com]

Sent: To: Thu, February 22, 2007 2:28 PM Schroeter, Tom EMPR:EX

Subject:

Sullivan Deeps SD3 Drilling Update

.D

Re: News Releases - Thursday, February 22, 2007

Sullivan Deeps SD3 Drilling Update

Vancouver, British Columbia: Stikine Gold Corporation (SKY: TSX-V) ("Stikine") announces that diamond drilling of its third exploration hole at the Sullivan Deeps Project recently reached a depth of 1,570 metres (m) (5,151 feet).

Project Manager, Paul Ransom, P.Geo., a Qualified Person under NI 43-101, has reported that the base of the 'Moyie' Marker was intersected at a depth of 1539.5m, an estimated 950m stratigraphically above the targeted 'Sullivan Time'.

The SD3 drill program is a continuation of Stikine's exploration for a sister deposit to the legendary Sullivan Mine, located near Kimberley, BC which operated for nearly a century until closing in late 2001.

According to the Province of British Columbia, the Sullivan Mine produced approximately 17.5 billion lbs of zinc (Zn), 18.5 billion lbs of lead (Pb) and 298 million ozs of silver (Ag) along with other associated metals. Using current metal prices, Sullivan life-of-mine production would be valued at over US\$40 billion.

STIKINE GOLD CORPORATION "David Skerlec"

David J. Skerlec -- Chief Financial Officer

For further information contact:

Doug Fosbrooke Investor Relations

Tel: (604) 684-1900 Fax: (604) 684-2902

Email: info@stikinegold.com Web: www.stikinegold.com

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-> Sullivan Need 5

From:

Stikine Gold Corporation [info@stikinegold.com]

Sent: To: Tue, March 6, 2007 4:26 PM Schroeter, Tom EMPR:EX

Subject:

Sullivan Deeps SD3 Hits Hiawatha Marker

Re: News Release - Tuesday, March 06, 2007

Sullivan Deeps SD3 Hits Hiawatha Marker

Vancouver, British Columbia: Stikine Gold Corporation (SKY: TSX-V) ("Stikine") announces that diamond drilling of its third exploration hole at the Sullivan Deeps Project recently reached a depth of 2,062 metres (m) (6,765 feet).

Project Manager, Paul Ransom, P.Geo., a Qualified Person under NI 43-101, has reported that the top of the "Hiawatha" marker was intersected at a depth of 2000.6 m (6,564 ft). The Hiawatha marker is a thick sequence of unique sedimentary marker rocks located stratigraphically 450 to 550 m (1,476 to 1,804 ft) above "Sullivan-time" where the famous Sullivan deposit occurs.

Normal coring operations will resume on or about March 14th, after a planned one week break for the drill crews.

The SD3 drill program is a continuation of Stikine's exploration for a sister deposit to the legendary Sullivan Mine, located near Kimberley, BC which operated for nearly a century until closing in late 2001.

According to the Province of British Columbia, the Sullivan Mine produced approximately 17.5 billion lbs of zinc (Zn), 18.5 billion lbs of lead (Pb) and 298 million ozs of silver (Ag) along with other associated metals. Using current metal prices, Sullivan life-of-mine production would be valued at over US\$40 billion.

STIKINE GOLD CORPORATION "David Skerlec"

David J. Skerlec -- Chief Financial Officer

For further information contact:

Doug Fosbrooke

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Email: info@stikinegold.com Web: www.stikinegold.com

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