

883292

I N T E R O F F I C E M E M O R A N D U M

Created: 01-Apr-1997 09:45am PST  
Sent: 01-Apr-1997 09:51am PST  
From: Tom Schroeter of EI  
TSCHROETER  
Title. Senior Regional Geologist  
Dept: Employment & Investment  
Tel No: 660-2812

TO: Remote Addressee ( gpayie@mp.gsb.empr.gov.bc.ca@GEMS  
) TO:

Subject: Getty North Reserves

Garry, re- your Mar. 24/97 email - I'm not sure exactly which "interoffice memo" (and what reserve figure) you are talking about. In checking my file, the latest reserve figure I note is from Canada Stockwatch, March 11, 1997. Also, Getty's latest (March 1997) brochure states a global resource of 80 million tonnes of oxide and sulphide copper averaging 0.31% Cu, of which 35 million tonnes average 0.45% Cu. Tom

I N T E R O F F I C E M E M O R A . . D U M

Created: 24-Mar-1997 11:23am PST  
Sent: 24-Mar-1997 11:23am PST  
From: Garry Payie  
gpayie@mp.gsb.empr.gov.bc.ca@GEMS

@VENUS

Title.  
Dept:  
Tel No:

TO: tschroeter

( tschroeter@A1 )

Subject: Getty North Reserves

Tom,

I am presently updating MINFILE reserves and was handed an interoffice memo you authored, with new reserves for Getty North. You state that you came by the data while in conversation with John Lepinski and Kevin Newman. My question is - Can I put these figures into MINFILE or are they confidential?  
Thanks Tom.

Garry Payie  
MINFILE

INTEROFFICE MEMORANDUM

VGS → RB  
-kan.

Created: 31-Oct-1997 12:50pm PST  
 Sent: 31-Oct-1997 01:26pm PST  
 From: Mike Cathro of EI  
 MCATHRO  
 Title: Regional Geologist  
 Dept: Employment & Investment  
 Tel No: 828-4566

TO: See Below

Subject: Weekly Report

FIELD VISITS:

\*Dot (Alhambra Resources) porphyry Cu core was viewed on Oct 24 in Merritt with L. Cvington, G. Stewart, E. Stewart, B. McMillan and T. Schroeter. 1997 holes hit native copper in oxidized and unoxidized porphyry and assays are awaited. Previous drilling has defined a southeast-striking, linear zone with grades in the 0.3-0.6% Cu range over true widths of 30-100 metres. Cu mainly occurs in bornite/chalcopyrite associated with specular hematite in sericitized and K-spar (?) altered, locally porphyritic Guichon/Chataway phases and Bethlehem phase dykes (?). Spotty high gold and moly values are also present.

\*Kami 5 (Arnold Savjord - PAP grantee). Assays received today from three samples I collected at his property 2 weeks ago. A 25 cm wide chip of a quartz sulphide vein ran 39.59 g/t Au, 1000 g/t Ag, 5.08% Pb, 7.6% Zn, 0.164% Cd, 504 ppm As and 33 ppm Sb. This material has a gross value of about \$600 per tonne and would be worth direct-shipping to Trail.

EXPLORATION NEWS:

\*Getty North (Getty Copper Corp.) - drilling will probably finish today for the season (company would like to conserve remaining funds). (6)

\*Newmac (Double Creek Mining) - this \$335K drilling program will not be completed this year.

\*Bralorne Mine - will be put on care and maintenance for the winter. Not a suprise with gold at \$311.

\*Our Eagle Bay promotional work finally appears to be paying off as Mt. Armour Cu-Zn prospect has apparently been staked, and Equity Engineering are taking a second, closer look at the Samatosum mine controlled by Bob Friesen/Inmet.

OTHER ACTIVITIES:

\*UCC/KEG/MEI prospecting class had a half day in the field last Sunday learning about staking with Don Smith, myself, and Bruce Madu.

\*Watson Bar paper (with Durfeld and Ray) for Geological Fieldwork. 2nd draft of text nearly ready but I need to spend a few more days on the figures. Deadline is Friday Nov 7th.

\*Preparing some geological text for a Fieldwork paper with Lett on Honeymoon Bay gold discovery.

Mike

Distribution:

I N T E R F F I C E M E M O R A L I U M

→ Getty North

Created: 23-Sep-1997 02:20pm PDT  
Sent: 23-Sep-1997 02:21pm PDT  
From: Bill McMillan  
billm@mp.gsb.empr.gov.bc.ca@GEMSE

VENUS

Title.  
Dept:  
Tel No:

TO: rsmyth ( rsmyth@A1 )  
CC: tschroeter ( tschroeter@A1 )  
Subject: Travel to Highland Valley

Ron

I have reconsidered the value of travelling to the Highland Valley to visit the Getty property since we talked this morning.

In view of travel restraints, I would normally not request permission to take a trip like this because Tom Schroeter and regional staff are already attending. However, Tom tells me the company specifically requested my participation. Further, I am personally interested, both because Getty are working on new developments in an area that I have studied extensively, and because it may influence material I will be presenting as part of my talk in the Island Arc Metallogeny short course in January at the Cordilleran Roundup.

Estimated costs would be moderate. I would walk on to the ferry here Tuesday afternoon, travel by truck with Schroeter then return Wednesday night. Estimated costs are:

Ferry return	\$ 13.00
Parking	\$ 15.00
Shared room	\$ 30.00
Meals	\$ 69.00
-----	
Total	\$127.00

Thanks you for considering this request.

Bill  
.....  
Bill McMillan  
Manager, Mapping and Resource Evaluation Section  
Geological Survey Branch  
PO Box 9320 Stn Prov Govt  
Victoria, B.C. V8W 9N3

TEL: 250-952-0444  
FAX: 250-952-0381  
Internet: wcmillan@galaxy.gov.bc.ca  
WWW Ministry Home Page: http://www.ei.gov.bc.ca  
.....

→ Getty  
North.

I N T E R O F F I C E M E M O R A N D U M

Created: 22-Sep-1997 04:05pm PDT  
Sent: 22-Sep-1997 04:08pm PDT  
From: Tom Schroeter of EI  
TSCHROETER  
Title. Senior Regional Geologist  
Dept: Employment & Investment  
Tel No: 660-2812

TO: Mike Cathro of EI ( MCATHRO )  
CC: Bill McMillan of EI ( WCMILLAN )  
CC: Rick Meyers of EI ( RMEYERS )

Subject: Getty Copper Visit-Oct. 1/97

Gentlemen: I have arranged for a one-day tour of the Getty Copper project with Vic Preto for next Wednesday, October 1st. I will drive up to Logan Lake on the Tuesday afternoon and be staying overnight at the Copper Valley motel on Tues. eve. Sept. 30th. You are most certainly invited/encouraged to attend. Please let me know what you decide. Cheers, Tom

VBS → R6  
-Kamloops

I N T E R O F F I C E   M E M O R A N D U M

Created: 26-Jun-1998 11:12am PDT  
 Sent: 26-Jun-1998 11:59am PDT  
 From: Mike Cathro of EI  
 MCATHRO  
 Title: Regional Geologist  
 Dept: Ministry of Energy & Mines  
 Tel No: 828-4566

TO: See Below

Subject: weekly report

Highlights:

\*Two short term students will begin Monday - Brian Kay (11 weeks) and Andrea Cade (6 weeks). Brian has been working for Placer Dome and Andrea for Getty Copper. Both are UCC students. They are being paid from the Lillooet LRMP money.

\*Bonaparte (Orko Gold Corp) - visited on Thurs 25th with Egil Livgard and J. Seguin. Currently drilling on 8th hole of an 18 hole program (\$225K budget). The property is located near Wentworth Lake, approx 40 km NNW of Kamloops. In 1994 Claimstaker Resources mined approx 3700 tonnes grading 26 g/t Au from the Crow vein in a small open pit. At least 6 other parallel veins are known and are hosted in (qtz-hb) dioritic rocks thought to be part of the Jurassic Thuya suite. Mo-Cu bearing pyritic biotite-quartz hornfels is well-developed in argillaceous rocks (Harper Ranch Group?) around the margins of the intrusion. Gold is associated with silver-grey minerals (bismuth? tellurides?) in quartz veins ranging from 0.2 to 2.0 m in width. These veins also contain up to 2-3% pyrite, and traces of chalcopyrite and moly (reported). There is also arsenic and antimony reported in old sampling, but I can find no reference to assaying for Sn or W. Veins appear to be associated with dikes of dark, feldspar porphyry. Alteration of the diorite is minimal consisting of thin selvages of sericite and local biotite and silica flooding. I wonder if this could be a variation on the plutonic-related (Fort Knox) gold model.

\*Watson Bar (Stirrup Creek Gold) - Drilling to take place in July (approx 2000 m, budget of about \$300K). Exploration will be focussed on an unexplained silt anomaly up Trimble Creek, and the IP anomaly between zones I and V. Zone V is reported to contain about 137K tonnes grading 14.33 g/t Au in a shallowly dipping thrust vein of epithermal origin.

\*Getty North (Getty Copper Corp.) Bruce Perry advises that stripping of the deposit has begun in preparation for a 1500 tonne bulk sample. The company will make a decision shortly on whether or not to purchase a pilot SX-EW plant from Mexico to test the leaching characteristics.

Mike

Distribution:

TO: Rick Meyers of EI ( RMEYERS )  
 CC: Bob Lane of EI ( BLANE )  
 CC: Paul Wojdak of EI ( PWOJDAK )  
 CC: Paul Wilton of EI ( PWILTON )  
 CC: Tom Schroeter of EI ( TSCHROETER )  
 CC: Robert Pinsent of EI ( RPINSENT )  
 CC: David Lefebure of EI ( DLEFEBURE )  
 CC: Bill McMillan of EM at MSExchang ( BILL.MCMILLAN@GEMS7.GOV.BC.CA@GEM

INTROFFICE MEMORANDUM

TBS → AG  
- Kamla

Created: 06-Feb-1998 09:18am PST  
Sent: 06-Feb-1998 10:39am PST  
From: Mike Cathro of EI  
MCATHRO  
Title: Regional Geologist  
Dept: Employment & Investment  
Tel No: 828-4566

TO: See Below

Subject: Weekly Report

HIGHLIGHTS:

\*BC Mines field trip (Jan 30-Feb 3) a great success with superb logistics, great weather and excellent tours at Eskay, Snip, Highland Valley and Myra. Registrants were from mainly from Europe and Australasia, with a couple from Canada. Kudos to Paul Wojdak for outstanding organization and leadership.

\*Poster presented at Round-up on Jan 27. Good interest in new prospects and Watson Bar paper (published in Fieldwork).

\*KEG Conference (April 16-17). Brochures printed and handed out at Round-up. Two field trips and a short course (geol. info on the internet) are also planned. KEG organizers are working on logistics and speakers list.

\*Exploration '97 draft paper completed and forwarded to B. Lane for editing by J. Newell. 70 copies handed out at Round up.

~~EXPLORATION AND DEVELOPMENT NEWS:~~

\*Ample-Goldmax - Homestake has returned the property to the vendors. Best holes from 96/97 programs hit 1.2 m @ 66.34 g/t and 2.52 m @ 31.56 g/t Au. Good property for a junior company with staying power.

\*Craigmont Tailings operation is for sale. Not a distress situation; the owners are getting old and would like to retire. 15 years of reserves left.

\*Getty North. Getty Copper has applied for a 10,000 bulk sample permit. Bateman Engineers are conducting a pre-feasibility study and would like to upgrade the metallurgical information. A 60 day, cold-weather bulk leach test is planned for this spring. (CONFIDENTIAL)

\*Watson Bar (Stirrup Creek Gold Ltd.). Drilling planned for mid March.

\*Big Kidd (Christopher James Gold Corp.) Core was on display at Round-up from this promising Au-Cu alkalic porphyry/breccia target located near Aspen Grove. Results were released from holes 97-06 and 07 and show moderate Cu (0.17-0.40 %) and Au (0.172-0.318 g/t) values. A large drilling program is planned for later this spring to follow-up on high gold grades released earlier in January.

\*McKinnon Creek (J&L) Weymin Mining is contemplating a \$5 M program of u/g drilling on this massive sulphide prospect near Revelstoke. Financing is yet to be arranged and could be a problem, considering their difficulty raising money last year.

\*Kami 5. Arnold Savjord ('97 PAP grantee) has applied for a 10,000 tonne bulk sample from his high-grade Au-Ag-Pb-Zn prospect near Monashee Pass.

UPCOMING:

INTEROFFICE MEMORANDUM

TGS → RG  
- Kaink

Created: 28-Jun-1996 04:40pm PDT  
Sent: 28-Jun-1996 04:52pm PDT  
From: Mike Cathro of EI  
MCATHRO  
Title: Regional Geologist  
Dept: Employment & Investment  
Tel No: 828-4566

TO: See Below

Subject: Regional Geology Monthly Report

HIGHLIGHTS:

\*Expl/Dev. spending estimated at \$16-18 million for the region this year, up by perhaps 30-40% from last year. Number of large projects appears to be ahead of last year.

\*Getty North (Krain). The long awaited resource calculation by Watts, Griffis and McOuat was included in an investors handout (no news release). Indicated resources total 21 m tonnes averaging 0.44% Cu including 5 m tonnes of oxide averaging 0.45% Cu. Additional inferred resources amount to about 7 million tonnes (oxide + sulphide) averaging 0.4% Cu. These figures are not much different than those reported in the '60s and '70s. Disappointing results given the huge amount of drilling done in the last year.

\*Getty South (Trojan-South Seas). Getty Copper Corp released assays from first hole on this zone (18 m of 1.63% Cu). Mineralization consists of specularite-chalcopyrite-chalcocite as matrix to a polymictic breccia. 10 more holes to be drilled on three fences. A further 10 holes will test other IP and soil targets on the large Getty property including the Transvaal area.

\*Afton - New copper zone discovered between the Pothook pit and the Coquihalla highway. I will review project on July 2 with Teck and Vic Preto. Teck has drilled about 14,000 m on various Iron Mask projects this year! Rumours are that the mine has not sold forward much of its copper production. They may be in trouble with the low copper prices.

\*Similco - Princeton reported a \$10 million financing in early June (good timing!). The company has sold forward about 70% of production at over \$1.00/lb. They are reviewing options to cut costs and source new mill feed.

\*Also visited the Feline diatomite/opal property (no MINFILE #) of Gordon Bried and the Basin bentonite prospect (No MINFILE #) of Chuck Marlow with Dan Hora.

\*Compiling information on existing or potential BC producers of volcanic glass, perlite, zeolite, and wollastonite for Recon Building Products of Abbotsford. They produce high-end, fireproof imitation cedar shakes, mainly for the California market. Some imported perlite is used as a lightweight aggregate in the product. Dan Hora provided some good suggestions and names.

OTHER EXPLORATION AND DEVELOPMENT NEWS:

\*Crow-Rea (Lori). Two drills now testing this moly project.

\*Au & Wen properties - George Resource Co. Ltd. reported interesting Au and Cu values in surface samples from this property near Merritt. 1600 m drilling



768 → Betty  
North  
(Krain)  
(16)

I N T E R O F F I C E M E M O R A N D U M

Created: 18-Apr-1996 01:56pm PDT  
Sent: 18-Apr-1996 02:19pm PDT  
From: Tom Schroeter of EI  
TSCHROETER  
Title: Senior Regional Geologist  
Dept: Employment & Investment  
Tel No: 660-2812

TO: billm@mp.gsb.empr.gov.bc.ca ( billm@mp.gsb.empr.gov.bc.ca@GEMS@  
VENW@:)

Subject: Re: Project Inventory - GSB (Van.) '96-'97

Bill, Dave Blann (New Project Leader at Krain replacing Steve Gower and Elaine) spent the past hour with me in the office giving me an update:

- 1) Dave Blann now in charge on-site.
- 2) Steve + Elaine presumable "overspent" without alot to show (eg. no increase in resources, no geological map, no cross-sections, etc.). Dave is attempting to re-assemble the pieces. He has recently created some cross-sections; this morning he gave a 'presentation' to one of the senior brokerage houses.
- 3) Drilling still in progress. Currently testing the northern area beneath the younger basalts near the lake. Focus will soon shift to more recce-type (i.e. step-out) holes testing more of the huge I.P. anomaly - especially (along strike) to the south.
- 4) Dave also hopes to do some geological mapping and compile a geology map.
- 5) Dave hopes to have the area flown to provide some basic/necessay base map coverage.
- 6) Core storage: almost full inside building. Will be moving much of core onto pallets outside to make room for more core.
- 7) Alteration: Dave is starting to pay good attention to various alteration 'phases', esp. K-spar, sericite. Also, the distribution of pyrite.
- 8) Structure: aside from the obvious northerly trend of mineralization sub-parallel to the Lornex fault, Dave suspects a potentially significant NE-structural control [this may have a bearing in future directional drilling campaigns].
- 9) Mineral zoning: innner cpy-bn/outer py. Moly present but geometry still unknown.
- 10) Dave still has the data you "loaned" the company. He wasn't aware that you wanted it back sometime. I relayed to him that you would like the material returned sometime.
- 11) Dave would love to have you and I visit the property later this Spring; I left it with him to contact me at his convenience and we would try to accomodate. OK?
- 12) Confidential: Teck has been examining the project.
- 13) Dave has the liberty to look elsewhere in the area , i.e. Trojan. I suggested this would probably be very prudent , given the presence of K-spar and tourmaline, associated with/without brecciation.
- 14) I get the impression that the oxide potential has been checked; the hypogene potential requires much more work.
- 15) Dave has assumed the responsibility of creating the company new releases; I'm sure we'll see a difference from Steve's releases.

108 → Getty North

I N T E R O F F I C E   M E M O R A N D U M

Date: 27-Oct-1995 06:50pm PST  
From: Bill McMillan of EMPR  
WCMILLAN  
Dept: Energy, Mines & Petroleum Res.  
Tel No: 952-0444 (FAX 952-0381)

TO: (see below)

Subject: Getty Mines property, Highland Valley

Notes on visit to Highland Valley project of Getty Mines by  
Bill McMillan and ZTom Schroeter on 95-10-18

The project is being run by Ken Northcote and Steve Gower for Getty  
Mines.

They are carrying out satellite image analysis, mainly to define  
linears, and detailed mapping to improve on our regional maps at the  
property scale.

The first phase project budget is \$1.8 Million with possible expansion  
to nearly \$4 Million if results warrant it. About 18000 feet of  
drilling have been completed; the phase I program is planned for 30000  
feet by February 1996. They are drilling H core and recovery is  
generally good. Deepest hole so far is 1100 feet.

Focus to date has been Getty North (the old Krain property). It  
occupies the northwest sector of a large chargeability anomaly that  
extends east and south.

Mineralization is considered in 3 classes:  
oxide                                    averaging 0.6% total copper  
sulphide                                averaging 0.5% copper  
low grade stockpile                  averaging 0.3 to 0.5% copper

Initial metallurgy suggests the copper in the oxide is leachable with  
acid consumption on the high side of acceptable.

The sulphide material has molybdenum credits. It is being tested to  
evaluate gold and silver values.

Sulphide minerals are: pyrite (ranges to 10%), chalcopyrite, and  
possibly bornite. The copper minerals are very fine grained, often  
disseminated in mafic minerals. They also occur in veins and fractures,  
and in their alteration halos.

The host rocks are granodiorite (Guichon phase) and various porphyry  
dikes and possibly small stocks. The deposit is overlain unconformably

by Tertiary Kamloops volcanic rocks. The oxide is beneath the volcanics, and is probably Tertiary or older.

The target is 30 Million tons of oxide ore grading over 0.5% total copper; the minimum that might be economically feasible to operate is said to be 20 Million tons. They are about half way there, according to Steve Gower. Estimated capital cost to mine the oxide material is about \$25 Million. They intend to sell the rights to the sulphide ore after the oxide has been mined.

WJM

27-10-95

**Distribution:**

TO: Ron Smyth	( RSMYTH )
TO: Paul Matysek	( PMATYSEK )
TO: David Lefebure	( DLEFEBURE )
TO: GIB MCARTHUR of EMPR at VMSMAIL	( GMCARTHUR AT VMSMAIL )
TO: Shirley Marshall	( SMARSHALL )
TO: Paula Ashby	( PASHBY )
TO: DONNA BLACKWELL of EMPR at VMSMA	( DBLACKWELL AT VMSMAIL )
TO: KIM PASSMORE	( KPASSMORE )
TO: Linda Hitchen of EMPR	( LHITCHEN )
CC: Tom Schroeter of EMPR	( TSCHROETER )
CC: Larry Jones of EMPR	( LJONES )

I N T E R O F F I C E   M E M O R A N D U M

Date: 23-Oct-1995 10:10am PDT  
From: Tom Schroeter of EMPR  
TSCHROETER  
Dept: Energy, Mines & Petroleum Res.  
Tel No: 660-2812

TO: Vic Preto of EMPR

( VPRETO )

Subject: Getty North (Krain)

Vic, as you know I visited the Getty North. West and South properties with Bill last week (my first time back into the Highland Valley since 1969!). It's too bad you couldn't accompany us. We got the 'usual' royal treatment from Ken Northcote and Steve Gower. Ken commented that this would be his last "hurrah!". A few quick notes FYI:

- 1) Phase 1 budget ('till end Feb. '96) = \$1.8 million. Most, if not all of this, will be spent on the Getty North (Krain) property to identify a "mineable" resource. Thus, much of the drilling will be fill-in; some will test I.P. anomalies. To date, approx. 18,000 ft. drilled in 23 holes. Total estimate for phase 1 is 30,000ft. If successful, phase 2 would kick in with an additional \$2 million budget. This would include the search for and definition of mineable resources in the Getty South (Trojan) and Getty West (Transvaal) zones.
- 2) Deepest hole drilled=1100ft. through oxide into hypogene min.
- 3) Pit proj. to 800 ft. depth.
- 4) Potential Resource (Krain) = 16 million tonnes of oxide ore.
- 5) Categories of Ore: a) primary milling (hypogene), b) permanent leach (0.1 to 0.35% Cu, c) heap leach oxide (0.6% Cu). Acid consumption may be a potential problem for oxide material. Prelim. met. tests suggest the material is in the 'high' range of acceptability.
- 6) Approx. 85% of holes are vertical.
- 7) 1995 drilling targeting the NW portion of the west limb of Getty North (I.P.) anomaly; later the SE limb will be tested.
- 8) Bulk sample of oxide material from 'Oxide Trail' returned >1% Cu.
- 9) Krain I.P. anomaly measures 1km by 1km.
- 10) Bottom Line Scenario for Krain: need min. 20 million tonnes of oxide ore to justify a 7 yr. mine life, plus sell hypogene ore to HVC, all for an est. capital cost of \$25 million.
- 11) South Seas: Gower sees 40 million tons @ .45%Cu with potential to double?
- 12) Transvaal: pot. for 5-10 million tonnes of oxide ore?
- 13) Excellent new logging access roads (Weyheuser).
- 14) Good camp at old Trojan site.

Obviously, metallurgy will be a key here. Tom