

Deer Bay
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TOS → RG
Nanaimo

Schroeter, Tom EM:EX

From: Houle, Jacques EM:EX
Sent: Thursday, September 21, 2000 2:46 PM
To: Hall, Ted EM:EX
Cc: Cathro, Mike EM:EX; Lane, Bob EM:EX; Wilton, Paul EM:EX; Wojdak, Paul EM:EX; Schroeter, Tom EM:EX; Pinsent, Robert EM:EX; Smyth, Ron EM:EX; Lefebure, Dave EM:EX; Brown, Derek EM:EX; McArthur, Gib EM:EX; Carriere, Greg EM:EX; Jakobsen, Dorthe EM:EX; Randall, Alf EM:EX; Reid, Bruce EM:EX; Taje, Eddy EM:EX; Wishlow, Wayne EM:EX
Subject: Houle Weekly Report for September 15 - 21, 2000

Prospectors Assistance Grants:

- Deer Bay
- **Arne Birkeland (P.50):** Exiting geochemical results received from selected grab samples taken August 15th from the Main Zone on the Tofino area Deer Bay Property (Tofino Nickel - Minfile 092F029), including 1 sample which yielded +10% Cu, 2 g/t Pt and 11 g/t Pt from a 2 m. thick semi-massive sulphide zone with 50% pyrrhotite+chalcopyrite+magnetite; the in-situ metal value for this sample at today's commodity prices is at least US\$475 per ton; elevated values of Ni,Co,Cr,Ag,Au also observed, suggesting a possible gabbroid-associated model rather than flood basalt-associated model for PGE-bearing mineralization.
 - **Ed McCrossan (P.35):** Ed visited Nanaimo office on Sept.18, and a visit was arranged to the former Island Copper Mine site for him through former Mine Manager, Brian Welshman; Ed will be working in the Tahish Inlet area over the next 2 weeks looking for epithermal, skarn and porphyry targets; tentative visit planned during next work period later in the year.
 - **Mikkel Schau (P.95):** Mikkel visited the Nanaimo office on Sept.18, and a joint visit was planned to the Mt Hall PGE target area on Sept. 22, and a tentative visit was planned to the Schoen Lake PGE target area in October.
 - **Murray McClaren (P.11):** Planned visit on October 5 to this alleged new gabbroid Cu-Ni+/-PGE discovery near Harrison Lake; Murray's analyses pending at this time, but should be available for review by the data of the visit.
 - **David Haughton (P.7):** Joint visit to Giant Mascot with David, Robert Pinsent and Tom Schroeter scheduled for October 6.

Other Clients:

- PGEs
- **Debbie - Boliden:** Visited underground workings on the Mineral Creek and Linda Zones via the Yellow Creek adit, and the Mac? Vein via an old adit from Mineral Creek, on September 21, accompanying Greg Carriere, and 3 Boliden representatives; Boliden is aiming to divest itself of the Debbie Property (Minfile 92F 079), which has gold mineral inventory in several veins, as well as VMS potential; previous intentions to develop custom shipping opportunities (ie. Lara Property) for the Myra Falls Mine have been terminated by Boliden; Boliden recently dismissed all of its Exploration Geologists, including the Land Manager, from its Toronto corporate office (with the exception of Bill Fisher, VP Exploration) as part of its cost cutting measures.
 - **Michael Renning:** Disappointing geochemical results received from the Pemberton area Blueberry Au-quartz vein occurrence, with the highest value in 2 select outcrop grabs from anastomosing, silicified shears in the Main Zone yielding 1.1 g/t Au, not the 10's of opt Au obtained by Michael from gouge material from the same spot.
 - **Robert Duker & Daryl Clark:** Visit scheduled on October 3-4 to this alleged new porphyry Cu-Au-Mo discovery at central Texada Island, along with Tom Schroeter.
 - **Rick Strong & Jim Dyck:** Approval issued by MEM to Rick and Jim to proceed with excavation of probable pit source of Cu-rich float on this gabbroid-associated Cu-Ni-PGE target project near Jordan River; tentative visit planned week of October 23.
 - **Valentine Mountain - Beau Pre Exploration:** Tentative visit previously planned to this dormant Au-quartz vein target project near Victoria during week of September 25 postponed to week of October 23.
 - **Derek Hamilton:** Jordan River area dimension stone property visit tentatively planned for week of October 23.
 - **Comox Valley Record - Bruce MacInnis:** Public data package sent to newspaper reporter investigating
- Blueberry

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Schroeter, Tom EM:EX

From: Houle, Jacques EM:EX
Sent: Friday, August 04, 2000 10:37 AM-
To: Hall, Ted EM:EX
Cc: Cathro, Mike EM:EX; Lane, Bob EM:EX; Wilton, Paul EM:EX; Wojdak, Paul EM:EX; Schroeter, Tom EM:EX; Smyth, Ron EM:EX; Brown, Derek EM:EX; Lefebure, Dave EM:EX; McArthur, Gib EM:EX; Carriere, Greg EM:EX; Jakobsen, Dorthe EM:EX; Reid, Bruce EM:EX; Randall, Alf EM:EX; Pinsent, Robert EM:EX
Subject: Houle Weekly Report for July July 31 - August 3, 2000

Prospectors Assistance Grants:

David Haughton (P.7) - Harrison Lake Area:

Received and forwarded analysis to David for an outcrop grab sample from massive pyroxenite at the Discovery Creek showing on Jason Property near Harrison Lake, including: 152 ppm Cu, 191 ppm Ni, 34 ppm Co, 125 ppm Cr - low but encouraging values for a magmatic Cu-Ni target

Arne Birkeland (P.50) - Tofino Area:

Arranged site visit to Deer Bay Property (formerly Tofino Nickel) on August 15, accompanied by an industry geologist from Alfa? Resources - geophysics and prospecting will commence August 4, looking for extensions to the main showing - preliminary detailed sampling by Arne reportedly shows Pt-Pd enrichment in 'salt+pepper' zone beneath Cu-Ni massive sulphides

Tofino Nickel (Deer Bay)

Other Clients:

Boliden-Westmin Myra Falls Mine, Strathcona Park:

Delineation/exploration drilling on known structures at the mine proceeding well, with mixed results to date; Lynx Pit ore exposed on surface for open pit mining soon; Price surface drilling to start soon; exploration decline for underground drilling to start soon as well.

Myra Falls

555 Corporate Ventures Bolivar Gold-Silver-Copper Mill, Texada Island:

Inquiries by B. Macaroni, Mill Manager, regarding processing of gold+/-copper ores referred to operating gold+/-copper mines: Northgate's Kemess Mine, Imperial's Mt. Polley Mine, and Echo Bay's Kettle River Mine - B. Macaroni is struggling with producing flotation and gravity concentrates from a highly variable and oxidized mill feed (~75 tpd) from the Yew prospect

Texada IS

SYMC Resources Macktush Property, Port Alberni Area:

- Received and forwarded analyses to SYMC for selected outcrop grab samples taken on various porphyry Cu-Mo-Ag-Au and/or skarn Cu-Ag-Au targets at the Macktush property, including:
 - Canal Main - 20cm. qtz vein in diorite - 4.7% Cu, 13.6 ppm Mo, 16.2 g/t Ag, 179 ppb Au
 - Canal Main - garnet-epidote skarn - size? - 236 ppm Cu, 107 ppm Co
 - Quartz Stockwork - 1.5 m. qtz carb veins in diorite - 690 ppm Cu, 10.9 g/t Ag, 1.6 g/t Au
 - Porphyry Zone - quartz porphyry - size? - 0.20% Cu
- Forwarded copy of schematic diagram showing porphyry base metal exploration model and intrusion related gold model from Economic Geology (not as homey as Tom's hand sketch!)
- Researched narrow vein longhole mining technology through industry contacts at the Dome and St. Andrews mines in Timmins, Ontario - still pending - good, low-cost techniques which may be applicable to the Fred, Sy and Dave epithermal veins in diorite at Macktush
- Suggested names to SYMC of skilled and experienced geologists who could assist in focusing future exploration activities at Macktush to establish viable ore reserves, for which funding of \$150,000 is pending in September, possibly followed by a \$1 million financing

Macktush

Efrem Specogna - Muchalot Creek Property, Gold River Area:

Planned tentative field visit on August 17 along with Boliden Myra Falls geologists to Efrem's property, where recent forestry roads have reportedly exposed massive rhyolite of the Sicker Group, the same host rock as at

~~Dragon~~
Dragon

Schroeter, Tom EM:EX

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From: Houle, Jacques EM:EX
Sent: Friday, June 16, 2000 9:16 AM
To: Hall, Ted EM:EX
Cc: Cathro, Mike EM:EX; Lane, Bob EM:EX; Wojdak, Paul EM:EX; Wilton, Paul EM:EX; Schroeter, Tom EM:EX; Lefebure, Dave EM:EX; Brown, Derek EM:EX; McArthur, Gib EM:EX; Pinsent, Robert EM:EX; Carriere, Greg EM:EX; Jakobsen, Dorthe EM:EX; Reid, Bruce EM:EX
Subject: Houle Weekly Report for June 9-15, 2000

Prospectors Assistance Program: (locations and targets confidential)

Met with and/or talked to PAP applicants as follows:

- **Gordon Henricksen (P.47) and Robert Campbell (P.40)** - met with both successful applicants at the Nanaimo office and reviewed their programs in detail; will visit both project sites near the Chemainus River and Leech River, respectively, with them sometime next week, date to be determined on Monday; both are exploring primarily for new Au deposits in quartz veins
- **Richard Strong (P.23)** - unsuccessful applicant called to arrange an office visit on Monday next week, both to review his field program near Tofino with me and permitting requirements with Bruce Reid of our office; he is intending to trench and blast at his Cu-Ni-Au-PGE target area
- **Barry Hanslit (P.22)** - finally talked to this unsuccessful applicant, who works as a fisheries technician throughout B.C. with DFO, based in Nanaimo, and prospects in his spare time; (aside: we should be promoting prospecting and geology within other government ministries!); Barry will be proceed to work on his Port Alberni area Au quartz vein target this summer
- **Ray Grenier (P.39) and Harvey Jahnke (P.111)** - neither unsuccessful applicant have yet been contacted, since they have relocated and/or don't have phones; it is unknown if they intend to proceed with work on their respective target areas this summer.

Tofino
Nickel

Molybdenum Inquiry:

Received and responded to inquiry from Paul Queneau of CMRI at the Colorado School of Mines in Golden, Co., regarding low grade moly resources in SW B.C. He was issued a copy of Robert Pinsent's 1999 Review, selected map plots from Minfile, and given a few hints about other regions.

See: Cathro's weekly

Moly
BC

Malaspina University College:

Met and toured facilities with Maggie McColl, Geology Dept. Chair at Malaspina in Nanaimo. We discussed possible future Nanaimo-based geological discussion groups, exploration groups, etc. The Geology Department is currently digitizing the maps from the thesis on the Geology of the Nanaimo area, and collaboration with Mines Branch staff could have mutual benefit on building digital models of the sub-surface coal mine workings integrated with surface geology and landmarks

Supergene Oxide Copper Correspondence:

Responded to headline article by William X. Chavez in April 2000 SEG Newsletter on Supergene Oxidation of Copper Deposits, suggesting that he also review some of the excellent paleo-supergene (preserved) zones in copper deposits in B.C. such as Kemess in the NE Region, and Afton and Getty in the SC Region. Copies of his superb article were forwarded to Bob Lane and Mike Cathro. William may hopefully direct international academic attention (and possibly subsequent economic attention) to B.C.'s excellent porphyry copper deposits.

Schroeter, Tom EM:EX

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From: Houle, Jacques EM:EX
Sent: Friday, August 18, 2000 4:29 PM
To: Hall, Ted EM:EX
Cc: Cathro, Mike EM:EX; Lane, Bob EM:EX; Wilton, Paul EM:EX; Wojdak, Paul EM:EX; Pinsent, Robert EM:EX; Schroeter, Tom EM:EX; Smyth, Ron EM:EX; Brown, Derek EM:EX; Lefebure, Dave EM:EX; McArthur, Gib EM:EX; Jakobsen, Dorthe EM:EX; Carriere, Greg EM:EX; Randall, Alf EM:EX; Reid, Bruce EM:EX; Wishlow, Wayne EM:EX; Taje, Eddy EM:EX
Subject: Houle Weekly Report for August 11-18, 2000

Prospectors Assistance Grants:

Arne Birkeland (P.50) Tofino Nickel - Tofino Area:

Visited Deer Bay Property (formerly Tofino Nickel) NE of Tofino with A. Birkeland on August 15; Gabbroic Cu-Ni-Au-Pt-Pd mineralization at Main Showing (092F 029) mapped and sampled, consisting of small trenches in steep outcrop with 1-2 meter thick by 20-25 meter long exposure of semi-massive chalcopyrite-pyrrotite-magnetite-violarite-millerite-pyrite in amphibolite, with blebs of chalcopyrite in a dalmationite footwall unit up to 5 meters thick; Arne is conducting a magnetic survey and geological mapping over the 4 claim group, hoping to define drill targets and to gain external funding for same.

Anton Nijhaus (P.71) Scholarstones - N. Vancouver Island:

Notified by A. Nijhaus of preliminary success in finding deposits of Scholarstones in northern Vancouver Island, consisting of naturally eroded and weathered limestone fragments in or near karsts in the Quatsino Formation; he is also having some success in tapping into established markets for the stones, and plans a trip this weekend to Seattle to display stones and meet wholesalers; Anton is suspecting that proximity to shales, and the addition of iron possibly due to proximity to intrusions, may be important factors in creating the correct rock for erosion and weathering to produce scholarstones.

Other Clients:

Efrem Specogna - Dragon Property - Gold River Area:

Visited Muchalat Creek area of the Dragon property with Nanaimo-based prospector E. Specogna, and Boliden-Westmin exploration geologists Sean McKinley and Dean Crick on August 14; possible Myra Falls type Sicker Group rhyolite outcrop was mis-identified by Efrem, and is actually an Island Intrusion granodiorite; overlying ultramafics targeted by Efrem for PGE mineralization are completely unmineralized; no samples were taken.

Bob Duker - New Porphyry Mineralization at Texada Island:

Contact received from Vananda-based prospector R. Duker, who is staking a new Porphyry Copper-Gold-Molybdenum target in central Texada Island (confidential pending completion of staking); advice provided on mineralization, alteration and geophysical signatures to look for; Texada Island is extremely favourable for this style of deposit, for which Echo Bay and Freeport conducted previous work in the 1990's, but without apparent success.

Lawrence Vezina - Cous Creek Copper Skarn Deposit - Port Alberni Area:

Contacted by Nanaimo-based prospector L. Vezina who has re-staked the Cous Creek Prospect (092F 360) after losing it more than 15 years ago; provided geophysical data from 1983 to us which has never been filed for assessment; has completed prospecting and manual trenching in 2000, and intends to gain external funding for drilling later this year.

Mike Renning -Blueberry Gold Prospect - Pemberton Area:

Tentative plans made with Vancouver-based prospector M. Renning to visit this property in late August.

Ministry of Energy and Mines Projects:

Sea to Sky Geohazard Study for Mines Branch:

Little progress made due to other priorities.

Myra Falls Mine Lynx Pit Becherer Zone Study for Mines Branch:

Completed preliminary review and issued observations on underground potential of Becherer Zone portion down-plunge and west of the proposed open pit portion; identified possible undefined western limit to the

Deer Bay

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