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Schroeter, Tom EM:EX

From: Houle, Jacques EM:EX
Sent: Friday, June 14, 2002 11:29 AM
To: Hall, Ted EM:EX
Cc: Carriere, Greg EM:EX; Randall, Alf EM:EX; Reid, Bruce EM:EX; Taje, Eddy EM:EX; Wishlow, Wayne EM:EX; Jakobsen, Dorthe SRM:EX; Cathro, Mike EM:EX; Lane, Bob EM:EX; Terry, David EM:EX; Wojdak, Paul EM:EX; Schroeter, Tom EM:EX; Lefebure, Dave EM:EX; Grant, Brian EM:EX; McArthur, Gib EM:EX; Logan, Jim EM:EX; Simandl, George EM:EX
Subject: Houle Weekly Report for June 7-13, 2002

Industry (Mainly Prospector) Activity:

- **Dan Epp Bella Coola Area Bella Coola Chief (MINFILE 093D009) Cu-Ag-Au Project Update:** Dan has been making progress staking more claims to fully cover the area of reverted crown grants around the Bella Coola Chief, where he obtained grab samples results up to 6.8% Cu under his PAP grant program in 2001; The Bella Coola Chief is listed as a showing, but has been developed by adits, trenching and drilling so perhaps should be considered a prospect, but the mineral deposit type is as of yet undetermined; Dan has also staked his new tungsten-copper showing in the Talchako Valley, where he obtained grab sample results up to 263 ppm W and 826 ppm Cu last year; a site visit is contemplated for August, both to visit Dan's 2 project areas, and the GSB/GSC Bella Coola TGI project crew, including Larry Diakow, as well if appropriate.
- **Jack Naim Sayward Area Cam-Doc (MINFILE 092L180) Cu Skarn Project Update:** Jack contacted the office regarding this property held by himself and acquaintance Hunter Babcock, which hosts multiple Cu Skarn zones with averaged chip samples from one zone of 1.27% Cu and 11.85 g/t Au over 2.3 meters width and 57 meters length; a site visit is tentatively planned with Jack sometime this summer.
- **Efrem Specogna Gold River Area Dragon/Fly/Elixir/Kukutt (MINFILES 092E072,-019) Project Update:** Efrem has been looking for just about every mineral in his Dana mineralogy handbook on this property, the latest being Scheelite (calcium tungstate), radioactive minerals and even diamonds (that would be nice...); the office scintillometer has been provided to him on a weekend loan, and samples are reviewed with him as he finds them and brings them in.
- **Bob Duker (Northstar Mines) Texada Island Imperial Quarry (MINFILES 092F394,-522) Project Update:** Bob Duker on behalf of Northstar Mines has been monitoring new sulphide mineralization exposed at the Imperial Quarry during waste stripping operations, and indicated that a site visit might prove interesting; this multi-commodity relationship between the 2 companies is a model for what could be going on elsewhere on Texada Island; site visit tentatively planned sometime this summer.
- **SYMC Port Alberni Area Dauntless (MINFILE 092F168) Cu Project Update:** Herb McMaster indicated that plans are being made to mobilize trenching equipment via barge over Alberni Inlet to the Dauntless Cu vein occurrence, possibly this week; consultant Dave Pawliuk of Nanoose has been doing some much-needed geological work for SYMC.

Government/Ministry Activity:

- **Malaspina College Geological Presentation June 19:** Much progress made on geological presentation on Vancouver Island Mineral Deposits being prepared for geology students from Mexico visiting Malaspina and touring the island June 19-22; in preparation for the presentation, excel tables were made of all developed prospects, past producers and producers on Vancouver Island, primarily using MINFILE data, of which a copy is attached; the data was sorted by District and by Year, and provides some very interesting summary statistics, such as reserves plus resources exceeding historical production for most commodities, including: gold, molybdenum, lead, zinc, iron and even coal! The presentation will be used for a future Vancouver Island Exploration Group (V.I.X.) presentation, sometime this summer.



MineralDepositsVan
couverIsland...

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From: Houle, Jacques EM:EX
Sent: Friday, April 27, 2001 3:13 PM
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; Pinsent, Robert EM:EX; Smyth, Ron EM:EX; Lefebure, Dave EM:EX; McArthur, Gib EM:EX; Brown, Derek EM:EX; Massey, Nick 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 April 17-26, 2001
Sensitivity: Confidential

Prospector Assistance Grant Activity:

- **2001 Program Status:** Although lower volume of applications were received this year for the entire province. the number for the Southwest Region is slightly up to about 30 from 26 last year; 18 applications have been received in Nanaimo from Victoria so far, with evaluations to begin today; several applicants have visited and/or contacted the Regional Geologist for assistance in preparing their applications, planning their field programs, and/or requesting a reference: Dan Blower, Paul Demontigny, Dan Epp, Jim Hutter, Murray McClaren, Dave McLelland, Dave Pauliuk, Mikkel Schau, and Rick Strong.

Mineral Exploration Activity:

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- **C.R.C. Explorations Ltd. Lake Cowichan Area Nit Nat Property:** Craig Payne of Crest Geological has submitted a notice of work on behalf of C.R.C. Explorations to complete gridding, soil sampling and about 1000 m. of drilling in 7 diamond drill holes to test co-incident Cu,Pb,Zn,Au geochemical and magnetic/chargeability geophysical anomalies for possible skarn mineralization in Vancouver Group rocks; timing of the project is likely late summer or early fall, pending other commitments.
- **Specogna Gold River Area Dragonfly Property:** Nanaimo prospector Efreem Specogna has submitted a notice of work to complete several short diamond drill holes in late May to test for either Cu-Zn-Au-Ag VMS or Tholeiitic intrusion-hosted Cu-Ni-PGE mineralization or on his Dragonfly property, located west of Gold River on Vancouver Island.
- **Strong/Dyke Jordan River Area DS Property:** Visit completed on April 25 by Regional Geologist along with Garry Payie of the Victoria Office to re-excavated site of old forestry pit, which had previously exposed spectacular quartz-chalcopyrite mineralization; pit partially dewatered exposing 2 styles of mineralization hosted in Metchosin mafic volcanics, consisting of:
 - Quartz-Chalcopyrite-Chalcocite-Bornite stockwork veining averaging about 3% Cu over at least 2 m. width, containing
 - Massive Pyrrhotite-Chalcopyrite (about 50/50 = about 15% Cu) mineralization in a small (0.1m) pod within the stockworkSeveral samples were taken from the site, including a 2 m. chip sample of the stockwork, and selected high grade samples of each of the two styles of mineralization; the clients were advised to expand the pit beneath the adjacent road to further expose the subcropping mineralization in order to establish its orientation and dimensions; a new Minfile occurrence will be documented at this site, pending receipt of analyses and completion of additional staking planned by the stakeholders, Rick Strong and Jim Dyke; The stakeholders are looking for geological consulting expertise at this time.
- **Hamilton Jordan River Area Rocky 10 Property:** Visit completed on April 25 by J.Houle and G.Payie to a massive quartz-muscovite-limonite vein hosted in Cretaceous Leech River Schists; the vein is exposed on a hillside over a 10 by 30 m. area, sometimes with attractive red and/or yellow colouring through the quartz; the stakeholder Derrick Hamilton intends to submit a notice of work application to extract a bulk sample of the quartz vein for test marketing through a acquaintance in Victoria; samples were taken for trace element and whole rock analyses.
- **Rooke/Oshust Port Renfrew Area Rayman et.al. Property:** Visit completed on April 26 by J.Houle to forestry quarries on the clients' mineral claims, where narrow quartz-pyrite-chalcopyrite veins cut Leech River Schists and Tertiary diorite sills (or possible altered metagreywackes); a sample of a mineralized quartz vein, and one from the sill (gwke?) units were taken for trace element analyses; the stakeholders, Norm Rooke of Duncan and Ray Oshust of Port Renfrew are looking for geological consulting expertise at this time.
- **Dimension Stone / Industrial Mineral Projects:**
 - **Stellar Stone Kelly Island Property:** 15,000 tpy granite quarry permit application submitted by Jim Cairns.
 - **Tilbury Cement Texada Island Davies Bay Property:** 10,000 tonne limestone bulk sample notice of work

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Schroeter, Tom EM:EX

From: Houle, Jacques EM:EX
Sent: Friday, August 25, 2000 1:58 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; Smyth, Ron EM:EX; Lefebure, Dave EM:EX; Brown, Derek EM:EX; McArthur, Gib EM:EX; Carriere, Greg EM:EX; Jakobsen, Dorthe EM:EX; Reid, Bruce EM:EX; Randall, Alf EM:EX; Taje, Eddy EM:EX; Wishlow, Wayne EM:EX; Pinsent, Robert EM:EX
Subject: Houle Weekly Report for August 19 - 25, 2000

Prospectors Assistance Grants:

No updates, but field visits are tentatively planned for September-October to the following grantees' properties not yet visited:

- **Ed McCrossan (P.35):** Tahish Inlet area polymetallic targets, Western Vancouver Island, plus former Island Copper Mine and Privateer Mine orientation tours
- **Gordon Henriksen (P.47):** Chemainus River area polymetallic targets, Southern Vancouver Island
- **James Laird (P.55):** Fraser River area gemstones targets
- **Anton Nijhuis (P.71):** Northern Vancouver Island scholarstone (weathered, vuggy limestone) targets
- **Mikkel Schau (P.95):** Schoen Lake area (N. Van. Island) and Cowichan Lake area (S. Van. Island) PGE's

Other Clients:

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- **Rio Minerals / 555 Corporate Ventures Yew Property:** Received and forwarded to Andrew Molnar, President of Rio Minerals, geochemical analyses for flat lying, semi-massive, magnetite-pyrite-chalcopyrite skarn and vertical, skarn/quartz vein samples taken in the Yew Pit during the visit to Texada Island in late July; 3 selected grab samples of well mineralized material yielded up to 0.67% Cu, 6.7 g/t Ag, 1.1 g/t Au and 154 ppm As; the values, particularly gold, are rather disappointing as this material is being heavily diluted with host volcanic material to provide a relatively consistent millfeed to the nearby Bolivar Mill, for which the client provided flowsheet analyses yielding 0.76% Cu, 3.3 g/t Ag, 4.0 g/t Au and 0.01% As for head assays.
- **Duker Tak Property:** Received and forwarded to Bob Duker, geochemical analyses for a selected grab sample from outcrop of this 50m. wide quartz-pyrite-chalcopyrite stockwork zone visited at central Texada Island in late July; the sample yielded 646 ppm Cu, 380 ppb Ag and 471 ppb Au, indicating elevated but clearly sub-economic metal values; this is the site of the proposed 10,000 tonne bulk sample to be milled at the Bolivar Mill.
- **Lafarge Texada Quarry:** Received and forwarded to Harold Diggon, Quarry Manager, geochemical analyses for a selected grab sample of <1 m. pyrrhotite-chalcopyrite-bornite blebs in garnet-epidote skarn mineralization within the White Rock Quarry; the sample yielded 0.23% Cu, 869 ppb Ag, 331 ppm Co, 130 ppm As, 140 ppb Au, 1406 ppm Sr, 85 ppm Bi, 20 ppm Se and 50 ppm Te; an interesting (porphyry?) metal signature!
- **Imperial Limestone Quarry:** Received and forwarded to Ed Liebich, Quarry Manager, geochemical analyses for 2 grab samples of pyrite-garnet skarn associated with an aplite (Island Intrusive?) dike within the Main (White Limestone) Pit; the samples yielded up to 1.1 ppm Mo, 216 ppm Cu, 88 ppm Pb, 102 ppm Zn, 388 ppb Ag, 337 ppm As and 130 ppb Au; this material is becoming more prevalent as the pit gets deeper - bad for the limestone business, but maybe good for porphyry deposits!
- **Boliden-Westmin Myra Falls Mine:** Continued correspondence with mine geology staff concerning down-plunge potential of Becherer Zone beneath the Lynx Pit; they are considering initiating a drilling program to delineate/expand the remaining (underground?) resource of 34,000 tonnes @ \$144/tonne; existing plan is to allow the remaining resource to be sterilized (lost) by backfilling the pit with tailings following planned mining of the open pit resource of 39,000 tonnes @ \$122/tonne.
- **Specogna Dragon Property:** Continued discussions with prospector Efrem Specogna regarding spinels from his Gold River area property (Central Van. Isle.), and how the chromium content of spinels may relate to Cu-Ni-Cr-PGE mineralization; Question from Efrem: does anyone have information on spinels from other

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-pyrrhotite-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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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 Alta? 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

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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

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