

TJS → RG
 - Nanaimo

Schroeter, Tom EM:EX

From: Houle, Jacques EM:EX
Sent: Friday, December 13, 2002 3:06 PM
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; Marshall, James EM:EX; Grant, Brian EM:EX; McArthur, Gib EM:EX; Logan, Jim EM:EX; Lett, Ray EM:EX; Simandl, George EM:EX; Webster, Ian EM:EX
Subject: Houle Weekly Report for December 6-13, 2002

Industry/Client Activity:

- **International Silver Ridge Pemberton Area Jon Cu/Pb-Zn/Fe Skarn Project Update:** Drill core review of 3 of 4 holes completed on December 11 at Coquitlam warehouse with project manager Jo Shearer from recent 4 hole, 245 meter drilling program at the Texas showing (MINFILE 092JSE002); 2, 2-hole fences completed at 70 meter spacing consistently intersected quartz-sericite/chlorite-sulphide porphyry with 2-5% disseminated pyrrhotite-pyrite and abundant quartz eyes over most the core lengths in each hole, with analytical results pending; the core did not look like skarn mineralization, but appears to be intrusive-related.
- **Garex/International Millennium/Stellar Pacific/Goldne/Harrison Holdings Harrison Lake Area Ni-Cu-PGE Projects Update:** Project status review completed in Vancouver with project manager George Nicholson of Garex and independent consulting geologist Charlie Greig; three new prospective target areas for Ni-Cu-PGE mineralization were located in 2002:
 - Clear/Fir Creek (near Sable MINFILE 092HW077) on International Millennium's property portion consists of sheared chloritic ultramafic intrusives with up to 15% pyrrhotite-pyrite-chalcopyrite in roadcuts (similar to and along strike with Sable), and
 - North Fork Creek on Stellar Pacific's property portion, consisting of a multi-element soil geochemical anomaly over ultramafic rocks over 7 kilometers long, and
 - Garnet Creek also on Stellar Pacific's property portion, consisting of a 9 kilometer long soil anomaly also over ultramafic rocks

An airborne magnetic and E.M. survey is planned for late 2002 or early 2003 to cover the two anomalous areas on the Stellar Pacific property portion only, with a view to establishing possible drilling targets for 2003; although rock samples were taken in 2001 and 2002 field programs, only petrographic work was completed on them; no rock geochemical analyses have yet been done/reported.
- **Clearview Mineral Resources Sechelt Area Mineral Hill Wollastonite/Garnet/Carbonate/Gabbro Project Update:** New summary report by consulting geologist Michael Sanguinetti filed with BCSC and downloadable as pdf file from Sedar website; it describes the geology and potential of the property, and reviews commodity profiles for possible mineral products from the property.
- **Logan Resources Kennedy River Area Redford Porphyry-related Au Project Update:** Seamus Young of Logan Resources reports plans to drill 1-2 holes in January (notice of work yet to be filed) to test a widespread Au-As soil anomaly underlain by felsic intrusives on the Redford Property (near Brynnor MINFILE 092F001).

Government/Ministry Activity:

- **Exploration and Mining in B.C. - 2002 Update:** Quotes solicited from 2 small printing shops in Vancouver and Nanaimo for this publication, with quotes anticipated by December 20, successful printing firm to be selected and printing contract to be issued through the External Relations Branch shortly thereafter.
- **MEG Short Course "Geology and Ore Deposits: Thinking Outside the Box" Update:** Attended 1 day short course in Vancouver on December 10, with 7 excellent papers presented by authors on selected mineral deposit types as shown on the MEG portion of the BCYCM website; commitment made by Peter Holbeck on behalf of the MEG to have the presentations posted on the website shortly.
- **MEG Luncheon Talk by Sergei Diakov of BHP Billiton "Recent Advances in the Noril'sk Model and its Application of Exploration of Ni-Cu-PGE Sulphide Deposits" Update:** Attended excellent luncheon talk in Vancouver on December 12 by expert Sergei Diakov, which is highly applicable to exploration target areas and projects on Vancouver Island and near Harrison Lake in the Southwest Region.
- **Port Renfrew - Sooke Area Cu-Ni-PGE & Au-Ag Belts Compilation Map Update:** Refinements and clarifications required to be made prior to posting to the website, to be done next week.
- **Vancouver Island Exploration (VIX) Group Update:** Met with Dan Jepsen, Executive Director of BC&YCM at annual open house in Vancouver on December 10, who committed to speak to VIX in Nanaimo when convenient;

Schroeter, Tom EM:EX

TOS → RC
- Nana!

From: Houle, Jacques EM:EX
Sent: Thursday, December 05, 2002 4:32 PM
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; McArthur, Gib EM:EX; Grant, Brian EM:EX; Logan, Jim EM:EX; Lett, Ray EM:EX; Simandl, George EM:EX; Webster, Ian EM:EX
Subject: Houle Weekly Report for November 30 - December 5, 2002

Industry/Client Activity:

- **Beau Pre/First American Scientific Sooke Area Valentine Mountain (MINFILE 092B012) Au-Ag Quartz Vein Project Update:** The planned bulk sampling program at the Discovery Zone on Valentine Mountain using the KDS Micronex concentrator has been delayed indefinitely due to a lack of available funds; Beau Pre is seeking a funding partner to provide \$200,000 to be allocated as follows: \$150,000 for the planned bulk sampling project, and an initial \$50,000 of a planned \$250,000 exploration program; estimates for 2002 remain at \$100,000, consisting of road work, prospecting, trenching, mapping and sampling.
- **Newmex Zeballos Area Privateer (MINFILE 092L012) Au-Ag-Cu Quartz Vein Project Update:** Contact established with Rodney Gibson of the new management team at Newmex, who indicated unspecified financial support pending for project manager Adolf Aichmeier to commence a modest underground development program at Privateer, estimated at \$20,000 for 2002.
- **Electra/Ash Grove/Homegold Port Hardy Area Apple Bay (MINFILE 092L150) Silica-Kaolin Project Update:** Project Manager Jo Shearer reports that Ash Grove Cement has entered into an agreement with Homegold to fund development of the chalky geysirite (silica) deposits on the Apple Bay project, replacing Lehigh Cement as the funding partner; Homegold has also secured Electra Gold to fund development of the kaolinite deposits for Homegold on the same property; estimates for 2002 remain at \$120,000 consisting of an earlier drilling program and ongoing environmental monitoring and sampling program.
- **Homegold Sechelt Area Alexis Dolomite Project Update:** Homegold has completed a modest \$5,000 mapping and sampling program in 2002 on its Alexis dolomite property, which is adjacent to Tri-Sil's Sechelt Carbonate property covering MINFILE 092GNW031.
- **International Silver Ridge Pemberton Area Jon Cu/Pb-Zn/Fe Skarn Project Update:** Plans in place to review 3-4 holes of apparently sulphide-mineralized drill core from the recently completed 240m. drilling program on the Jon Property covering MINFILE 092JSE002 scheduled in Coquitlam with project manager Jo Shearer on December 11, 2002.
- **Garex/International Millennium/Stellar Pacific/Goldnev/Harrison Holdings Harrison Lake Area Ni-Cu-PGE Projects Update:** Airborne geophysical survey planned in early December using Fugro system on portion of Stellar Pacific's property only; combined exploration expenditures of \$250,000 estimated for 2002 managed by Garex; plans in place to visit properties with George Nicholson of Garex on December 11, 2002; property owners map pending from George as well.

Government/Ministry Activity:

- **Vancouver Island Exploration Group Meeting December 4, 2002 at Malaspina College in Nanaimo:** Ray Lett and Dani Alldrick of the Geological Survey Branch provided excellent presentations on regional geochemical surveys and volcanogenic massive sulphide deposits, respectively, including tweaking of their standard talks with ideas about Vancouver Island; next presentation is January 14, 2003 with Mikkel Schau (PGE's on Vancouver Island), and Jacques Houle (SW Regional Highlights), unless we can find another speaker.
- **Port Renfrew - Sooke Area Cu-Ni-PGE & Au-Ag Belts Compilation Map Update:** Compilation map of properties (+owners), minfile occurrences, and geological terrain boundaries draped over aeromagnetics by Jacques Houle to be posted on the MEM website shortly.
- **Exploration and Mining In British Columbia - 2002 Update:** Commitments received from Regional Geologists for pending contributions to EMBC consist of 5-6 Part B papers, and an estimated 110 pages in total; quotes for printing to be solicited in Nanaimo, Vancouver and possibly Victoria next week; editing contract approved by External Relations Branch and issued to editor Bill McMillan.
- **2002 Mineral Exploration Activity Forecast Update:** Updated forecast remains at \$3.5 million, with the same 10 major projects having expenditure estimates exceeding \$100,000.

Schroeter, Tom EM:EX

TBS → RG
-Nanaimo

From: Houle, Jacques EM:EX
Sent: Friday, November 29, 2002 4:53 PM
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; Ryan, Barry EM:EX; Lett, Ray EM:EX; Webster, Ian EM:EX
Subject: Houle 2 Week Report for November 18-29, 2002

Industry/Client Activity:

- **Boliden Campbell River Area Myra Falls Cu-Zn-Ag-Au Mine Update:** Exploration budget of \$600,000 planned for 2003, which is positive news after the \$0 exploration budget of 2002.
- **SYMC Resources Port Alberni Area Dauntless Cu-Ag-Au Vein Project Update:** Herb McMaster on behalf of SYMC recently staked 40 additional mineral claim units north of and contiguous to the Dauntless Project (MINFILE 092F168, etc.) to cover the Devil's Den showing (MINFILE 092F551); SYMC has also recently engaged Nanoose-based geological consultant Dave Pawliuk to conduct geological mapping and compilation on the combined Macktush (MINFILE 092F042, etc.) and Dauntless Projects (finally!)
- **Newmex Minerals Zaballos Area Privateer Au-Ag Vein Project Update:** First press release issued November 18 since resignation of former directors and officers; contact initiated with new corporate management and continued with former project manager Adolf Aichmeier, who has submitted a \$1.7 million underground exploration proposal at Privateer (MINFILE 092L012, etc.)
- **Southern Pacific Port Renfrew Area Hemm Marble Project Update:** Company has committed to \$100,000 development program on Hemm marble occurrence (NTS 092C069 but not in MINFILE) by 2003, which may or may not commence this year; the property is optioned from geological consultant Tim Henneberry of Maple Bay for \$0.50/ton mined up to \$25,000, and \$0.10/ton mined to a maximum of a further \$200,000.
- **Candorado/Trade Winds Harrison Lake Area Pal/Alp Ni-Cu-PGE Project Update:** Candorado has optioned an 80% interest in the Pal/Alp properties to Trade Winds Ventures for cash, shares and commitments; \$8,000 was spent on exploration in 2002 by Candorado on the two properties located along the western margin of the Harrison Lake-Hope ultramafic belt.
- **Northern Continental Harrison Lake Area Harrison Gold Au-Ag Project Update:** No fieldwork completed to date, but stock options issued in anticipation of a public offering to raise exploration funding for programs beginning in 2003 at the Harrison Gold (Ago) Project (MINFILE 092HSW092).
- **Clearview Sechelt Area Mineral Hill Wollastonite-Garnet Skarn Project Update:** As expected, Clearview issued a revised press release rescinding the "economic resource potential" previously announced for the limestone occurrence on the property, replaced by the statement that "no mineral reserves exist on the property"; Clearview also reported visual estimates of wollastonite-garnet skarn mineralization in drill core from the early 2002 program, including one intercept containing up to 66.48 meters @ 50% wollastonite and 50% garnet; \$400,000 in flowthrough funding has been raised in part for exploration on the Mineral Hill Property.

Government/Ministry Activity:

- **Discordant Magmatic Ni-Cu-PGE Mineral Deposit Profile Update:** Collaboration continuing with consultants Murray McClaren and Paul Metcalf towards establishing a workable profile, as part of a Part B article for E.M.B.C.-2002; copies provided to Dave Lefebure and Graham Nixon of GSB for technical feedback; Murray and Paul to involve Robert Pinsent in overview article for introducing and justifying the new mineral deposit profile.
- **Regional Geologists Review in Victoria - November 19-21, 2002 Update:** Excellent annual meetings held in Victoria both with GSB and other MEM personnel, including very up-beat but poorly attended presentations by Regional Geologists on November 21.
- **Technical Liaison Committee Meeting in Victoria - November 28, 2002 Update:** Good discussions held at bi-annual T.L.C. meeting, including excellent presentations by G.S.B. personnel; future geoscience funding uncertainties for G.S.B. and G.S.C. overshadowed technical discussions; Mike Cathro to replace Jacques Houle as T.L.C. representative for the Regional Geologists at future T.L.C. meetings.
- **Regional Geologists Advocacy Update:** Documenting and prioritizing of current functions and proposed future role for the Regional Geologists within the new Ministry Service Plan, including physical measurement of files and materials used by Regional Geologists and exploration industry clients; Discussions initiated with External Relations Branch in joint marketing efforts.

TFS → RG
— Nanaimo

Schroeter, Tom EM:EX

From: Houle, Jacques EM:EX
Sent: Thursday, November 07, 2002 3:16 PM
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; Webster, Ian EM:EX; Logan, Jim EM:EX; Simandl, George EM:EX; Ryan, Barry EM:EX
Subject: Houle Weekly Report November 1-7, 2002

Industry/Client Activity:

- **Emerald Field Resources Port Renfrew Area Pearson Magmatic Cu-Ni-PGE Project Update:** Perry Heatherington of Emerald Field reports fieldwork consisting of prospecting, silt/rock sampling and geochemistry/petrography continuing, with airborne geophysical program still planned for late 2002; project manager being selected (names confidential); field trip anticipated late in the year or early in 2003; major exploration project with expenditures of \$500,000 still projected.
- **Newmex Zeballos Area Privateer Au-Ag Quartz Vein Project Update:** Project Manager Adolf Aichmeier optimistic of modest underground mining and milling program to proceed in late 2002 (~\$20,000), with support of new management group at Newmex.
- **Imperial/Northstar Texada Island Vananda Limestone Quarry / Sediment-hosted Au Project Update:** Both Ed Liebich of Imperial Limestone and Bob Duker of Northstar Mining report findings of significant gold and pyrite associated with Mg-rich limestone units within the Triassic Quatsino Formation (Carlin type Au?) within the Imperial Quarry; bulk sampling ongoing, with minimal expenditures planned.
- **Saxony Kliniklini River Area Redbreast Porphyry Cu-Mo-Au Project Update:** Adrian Hobkirk of Saxony reports completion of \$30,000 field program at Redbreast project in October, with prospecting and sampling completed, and geochemical results pending.
- **International Silver Ridge Pemberton Area Jon Au-Ag-Cu Skarn Project Update:** Jon Perrett of International Silver Ridge reports commencement of 1600m drilling program at the Jon Project on November 6th; field trip planned in late Nov.
- **Garex Harrison Lake Area Magmatic Cu-Ni-PGE Projects Update:** Property map still pending from George Nicholson of Garex; tentative field visit to prospecting sites deferred to November 13-14; airborne geophysical survey still planned shortly.

Government/Ministry Activity:

- **Vancouver Island Exploration (VIX) Group Update:** Next meeting planned for December 4, 2003 with 2 presentations by 3 guest speakers: Ray Lett, Dani Aldrick and Mikkel Schau as per the flyer attached.
- **Southwest Region Exploration Statistics Update:** Compilation of preliminary 2002 statistics for projects and mining operations in the SW region completed for B.C. Mineral Exploration Review - 2002, and forwarded to the other Regional Geologists.
- **Nanaimo Regional Office Status Update:** Notification of planned closure May 31, 2003 of the Southwest Region Mining Division office in Nanaimo, termination of 7 of 9 positions (including the Regional Geologist position), and transfer of 2 positions to the Victoria Office.

Jacques Houle, P.Eng.
Regional Geologist - Southwest B.C.
phone (250) 751-7372
fax (250) 751-7373
cell (250) 714-9246
Jacques.Houle@gems9.gov.bc.ca



Dec4 Meeting
Notice.doc

Schroeter, Tom EM:EX

TOS → RB
— Nanaimo

From: Houle, Jacques EM:EX
Sent: Friday, October 18, 2002 4:37 PM
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; 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; Webster, Ian EM:EX; Ryan, Barry EM:EX; Simandl, George EM:EX; Jakobsen, Dorthe SRM:EX
Subject: Houle Weekly Report for October 11-18, 2002

Industry/Client Activity:

- Mountain High Properties Pemberton Area Dimension Stone Plant and Quarries Update:** Site visit completed on October 16 to new dimension stone processing plant installed during 2002 in rental building in industrial park along BC Rail line just north of Pemberton, with site tour provided by John Balough, foreman/driller/blaster for Mountain High Properties; low-capital plant equipment includes 8' long pneumatic rock splitter and 4' diameter diamond saw operated by 3 employees from local First Nation bands; reference samples obtained for various rock products palletted for sale from various owned quarries, including: Jervis Slate from Brian Claims along Jervis Inlet (092J04W) near MINFILE 092JW029, Gott Slate from Gott Claims near Lillooet (092J09E), Gunsight Slate from Gunsight Claims near Pemberton, Whistler Basalt (Light Grey) from Spike 1 Claim near Whistler (092G14E), Whistler Basalt (Dark Grey) from Spike 2 Claim near Whistler (092G14E); reference samples to be described and characterized by correct lithology and age, if possible, and results relayed to Mountain High personnel; website advice also provided to Mountain High personnel; estimated \$115,000 spent by Mountain High Properties on developing quarries, installing plant, processing initial material for marketing in 2002.
MCS
- Garibaldi Granite Squamish Area Dimension Stone Plant and Quarries Update:** Site visit completed on October 17 to Loggers Lane (Squamish) Granite Quarry MINFILE 092GNW067 in Squamish (092G11E) and to dimension stone processing plant and sales office in Squamish, with site tour of both provided by Fritz Orth, manager for Garibaldi Granite; plant includes splitters, saws of various sizes and an extensive yard of rock products from both Garibaldi owns quarries and from others' local quarries; reference samples obtained for various rock products palletted for sale from various quarries, including: Glacier White Granite from Loggers Lane (Squamish) Quarry on Glacier White Claim, Garibaldi Golden and Garibaldi Grey Granites from Gazdar #1 Claim MINFILE 092GNW070 along the Ashlu River north of Squamish (092G14W), Rainforest Greenstone from Leo Claims along Conroy Creek north of Squamish (092G14E), Snowflake Basalt from Gazdar 2001 Claim along the Ashlu River (092J03W), Columnar Basalt from the Todd Claim along the Elaho River north of Squamish 092J03W, "Rhyolite" from the Evelyn Claim along the Ashlu River 092J03W; reference samples to be described and characterized by correct lithology and age, if possible, and results relayed to Garibaldi personnel; no exploration or development work completed in 2002 by Garibaldi Granite.
MCS
- Garex Harrison Lake- Hope Area Magmatic Cu-Ni-PGE Project Update:** Meeting held with George Nicholson of Garex (exploration consulting group) who are exploring in the Harrison Lake - Hope Area on behalf of 4 funding companies to whom Garex have optioned portions of their extensive 1200+ unit claim group; Garex has established a favourable trend and association of sulphidic showings with contacts between intrusive ultramafic bodies and metasedimentary units along a broad 2-10 km wide NNW trending belt based on mapping by Charlie Greig; Garex has completed silt sampling, ground magnetics and rock sampling (for thin sections) along selected rehabilitated road cuts on the properties, but have not analyzed any rock samples to date due to budget limitations; an airborne mag+em survey is scheduled for the last week in October, pending funding, consisting of up to 500 line km costing up to \$500,000 to test the favourable belt; a spectacular new occurrence of pegmatitic sulphidic breccia was located this year on one of the properties, but has not been analyzed; a field visit is planned with George to this occurrence during the airborne survey; clearly Garex is struggling with appropriate mineral deposit models on this project, so some assistance was provided in this area.
Harrison Lk. PGEs
- Newmex Zeballos Area Au Quartz Vein Privateer Project Update:** Former Privateer Project Manager Adolf Aichmeier reports that new owners at Newmex may pursue exploration/development in the near future; site visit by CFO Rod Gibson and President Jim Bright on October 21 may shed light on the future of this project; more information should be available next week.