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NEWSLETTER



Box 3196, SMITHERS, B. C. V0J 2N0

LAND USE MAP BY SMITHERS GEOLOGIST-MINERAL INDUSTRY LAND USE COMMITTEE

A preliminary B.C. land use database, which is computerized, and map-driven, was demonstrated in Winnipeg in August 1990 to the Mineral Industry Land Use Committee. It was accepted as the basis for a national system which is to be demonstrated at the March 1991 meeting of the Prospectors and Developers Association in Toronto. The national system will be a cooperative effort between Energy, Mines and Resources Mineral Policy Branch and Earth and Oceans Research of Nova Scotia. The project is being coordinated by Colin Harivel of Smithers.

GALORE CREEK

The Galore Creek deposits, located at the headwaters of Galore Creek, were originally staked in 1955. In 1963 Hudson Bay Mining and Smelting Company Limited, Kennco Explorations (Western) Limited and Consolidated Mining and Smelting Company of Canada Limited incorporated their respective interests to form Stikine Copper Limited. Between 1960 and 1969, 53 164 metres of diamond drilling and 807 metres of tunnelling in two adits were completed with Kennco as operator. An additional 25 352 metres of diamond drilling was completed in 111 holes between 1972 and 1973 under the direction of Hudson Bay Mining and Smelting Company. In 1987, Mingold reassayed all sample pulps for gold. Recent interest in

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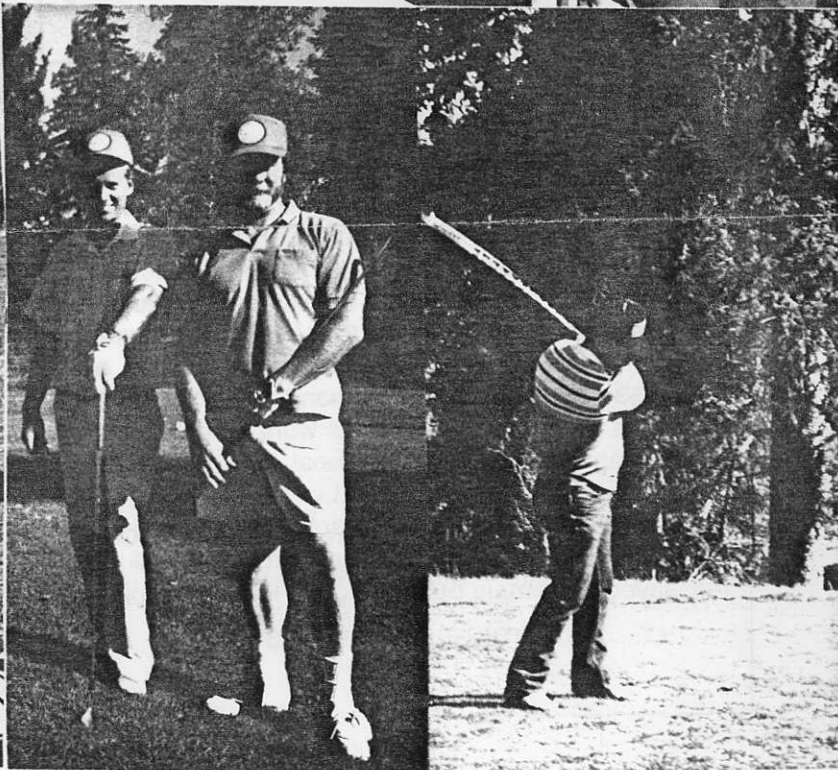
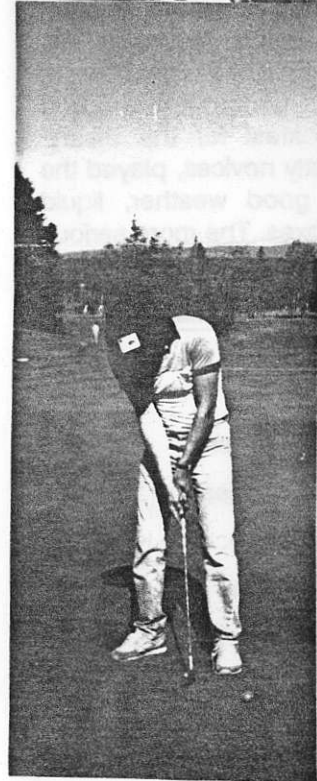
GOLF TOURNAMENT 1990

Geologists, miners and members of the mineral industry teed off on September 14 for the 19th annual S.Ex. Group Golf Tournament. The event attracted 139 mineral industry representatives from around the province and was generously supported by local businesses who donated food, drink and 40 prizes. Prizes included airline tickets, gold coins and a colour T.V. Every participant also received a donated T-shirt to commemorate the event.

The tournament began on the evening of September 13 with the registration bash at the Hilltop. Refreshments were paid for by Central Mountain Air, Canadian Helicopters and Min-En Labs. The morning of the tournament J.T. Thomas generously supplied an excellent champagne breakfast for the bleary-eyed masses. The golfers, mostly novices, played the nine holes with the aid of good weather, liquid refreshment and ball-stealing foxes. The more serious golfers completed the entire 18 holes.

After the playing was finished, a barbecued steak dinner was had at the clubhouse, and prizes were handed out. Congratulations to all winners and thank you to all sponsors.

INDEX	Pg
1990 golf winners	2
1990 golf sponsors	3
Opinion	4
New Executive	5
Upcoming events	6



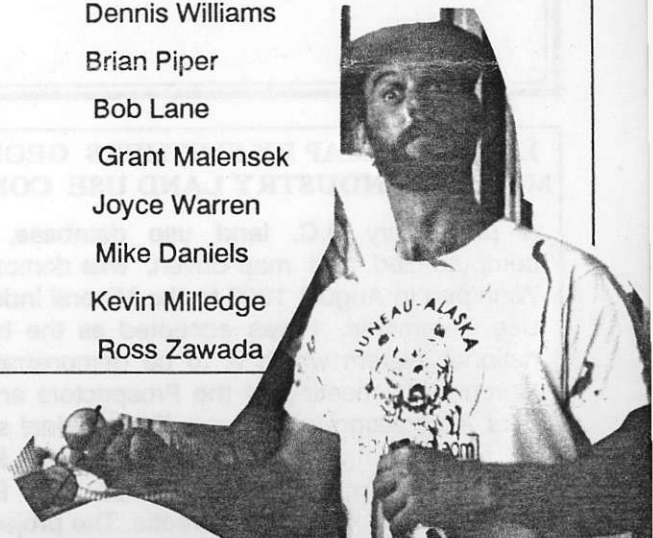
GOLF TOURNAMENT WINNERS

18 HOLES

Men's Low Gross Robin Forshaw
 Women's Low Gross Lorraine Lovestrom

9 HOLES

Low Gross Doug Little
 Men's Low Net Ernie Munroe
 Women's Low Net Francis Newman
 Highest Score Tobias Schoettler
 Highest Score on
 One Hole Dick Konschuh
 Longest Drive Dennis Williams
 Hidden Score Brian Piper
 Closest to the Pin Bob Lane
 Men's High Net Grant Malensek
 Women's High Net Joyce Warren
 Gross Gross Mike Daniels
 Shortest Drive Kevin Milledge
 Longest Chip Ross Zawada



GALORE CREEK - CONTINUED

the property stems from its future development possibilities (reserves contain 50 tonnes of gold) and its importance as a regional exploration model.

The Galore Creek syenite complex contains syenite intrusions, metavolcanics and minor sediments. Sedimentary and volcanic rocks close to the syenite complex are severely folded, sheared, faulted, brecciated and metasomatized to locally recrystallized. Mineralization is associated with four distinct phases of syenite; six other phases outcrop peripheral to the main ore zone.

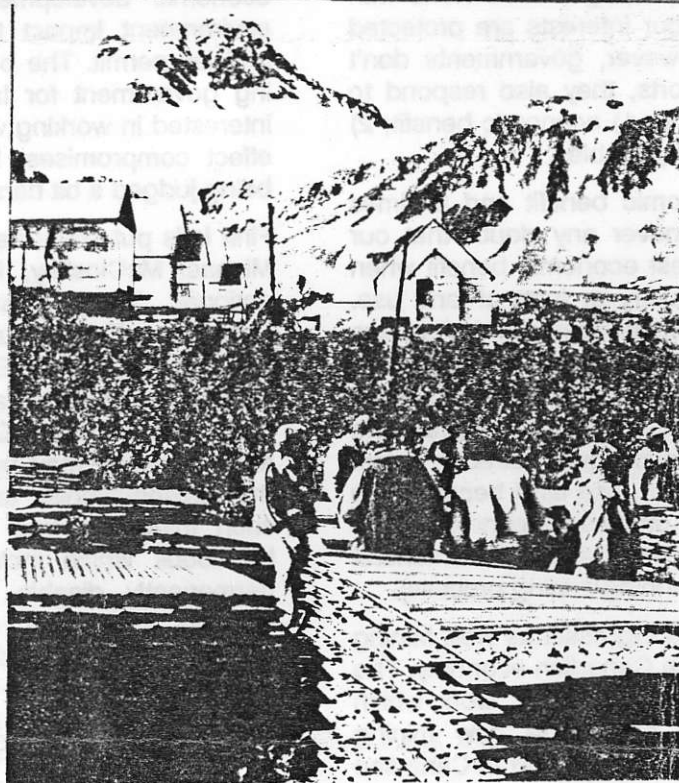
Ten copper deposits are known at Galore Creek, in addition to a number of showings. They are hosted by potassium-altered (biotite and potassium feldspar addition) volcanics and pipe-like breccias adjacent to syenite porphyry dykes and stocks. The deposits are

manto-shaped and trend north to northeast, following syenite contacts and structural breaks.

Alteration and mineralization are contemporaneous and spatially overlap. Mineral zoning is related in part to proximity to syenite bodies and breccia pipes but also reflects parent-rock composition. Potassium feldspar, biotite, garnets and anhydrite are ubiquitous and locally have replaced host rocks completely.

Chalcopyrite and bornite, in a ratio of 10:1, are the principal copper minerals. Disseminated pyrite is the most abundant sulphide; sphalerite and galena are associated within garnet-rich areas and trace amounts of molybdenite, native silver, native gold and tetrahedrite have been noted. Magnetite occurs in veinlets with or without chalcopyrite and often as a breccia matrix. Chalcocite, cuprite, native copper and tenorite are secondary copper minerals.

GALORE CREEK CAMP 1988



The largest deposit is the Central zone, which extends 1950 metres north-northeast, varies from 200 to 500 metres in width and averages 335 metres. It is centered on a steeply dipping breccia pipe. Reserves are estimated as 125 million tonnes grading 1.06 per cent copper, 0.40 gram per tonne gold and 7.7 grams per tonne silver.

by J. Logan

B.C. Ministry of
Energy, Mines and
Petroleum
Resources

GOLF TOURNAMENT SPONSORS

A very hearty thank you to the following sponsors who so willingly and most generously donated their time, prizes and services for the golf tournament:

J.T. Thomas, Apollo Automotive, Jaycox Industries, Pamicon Development, Britton Brothers, Alfredos, Chevron Bulk, Min-En Labs, Smithers Truck Rentals, Smithers Lumber, Heatherington and Hooper, Vancouver Island Helicopters, Neville Crosby Inc., Canadian Helicopters, SuperValu, Trans North Air, Coates Drilling, Van Alphen Diamond Drilling, Bandstra, Premier Propane, Central Mountain Air, Loran's Welding, Sausage Factory, Keewatin Engineering, Safeway, MacLeods, Loring Labs, Al Potter, Wayside Industrial, Workwear World, Interior Stationary, Northern Mountain Helicopters, ICG Propane, Joyce and Lorne Warren, Hilltop, Capri, Tundra Expediting, Canadian Airlines, Trac and Trail, Jemland Construction, Falcon Drilling, Chaplin Woodworks, and the Smithers Golf and Country Club.

OPINION

The following article has been taken from the September 1990 newsletter of the Porcupine Branch Prospectors and Developers Association, based in Timmins, Ontario. This group is similar to the Smithers Exploration Group, but it has a very clear mandate and is quite vocal with its views regarding opponents of the mining industry. At this time, the Smithers Exploration Group has no clearly defined mandate per se, but attempts to deal with issues where necessary without aggressively seeking situations in which to voice its views. The executive of the Smithers Exploration Group welcomes all comments on this article or other local concerns, in order to design a mandate for the Group.

MEET THE OPPOSITION

The Porcupine Branch Prospectors and Developers Association (PBPDA) is a lobby group. Our mandate is to do our best to protect the prospecting and development community. We do this in many ways, through education of the public, through direct lobby efforts to government on various exploration and mining related issues, and through discussions with government to make sure our interests are protected in any new legislation. However, governments don't just listen to our lobby efforts, they also respond to several other things including, 1) economic benefit; 2) public pressure; 3) countering lobbies.

Our biggest asset is economic benefit and at times public pressure. There is never any doubt that our industry provides the greatest economic benefit when compared to any other industry or form of land use. Mining provides the greatest dollar return per square foot of land used when compared to any other economic use of the land. Our greatest difficulty when lobbying to protect the land base, is to educate the politicians that withdrawn lands equate directly to lost mining opportunities. We often lose land because the socio-economic cost-benefit studies have indicated no loss of economic potential (the dreaded "low mineral potential" in the land use planning/zoning process).

Public pressure used to be a big asset as well. Mining is one of the mainstays of the Canadian economy. The loss of new mines meant people out of work which meant public pressure to encourage new mining developments. Unfortunately with the shift in Canadian demographics, much of our population is ignorant of the benefit of mining to the Canadian economy. They live away from any natural resource based industries such as mining and the loss of mines and mining related opportunities does not appear to impact on their jobs. Although the loss impacts the overall Canadian economy, and ultimately everybody's taxes, it is too distant a link for the average person to relate to. The education system has done an extremely poor job of teaching our children what exploration and mining are all about and their value to the Canadian economy.

Enter the opposition.

Our opposition are the preservationist lobby groups. These groups have a mandate to withdraw as much land as they can from any form of economic development. I have not used the word environmental here because these are not environmental groups. Environmental groups seek compromises that will allow economic development with the least amount of environment impact that technology and economic realities permit. The preservationist groups are lobbying government for land withdrawals. They are not interested in working with government and industry to effect compromises. Does this sound like they are being judged a bit harshly ... well read on.

First let's put some names to the opposition. There is Michael McCloskey, President of Sierra Club International; Vicky Husband, Friends of Ecological Reserves, Sierra Club of Western Canada; Dave Foreman, founder of Earth First!; David Suzuki, media environmental guru; and Monte Hummel, President, World Wildlife Fund Canada. Some of these people and/or groups may be familiar to you. Earth First! is the preservationist terrorist group which preaches such things as tree spiking and has published a handbook which includes such things as how to permanently disable a piece of heavy equipment through sabotage. David Suzuki, the man who spouts radical unfounded environmental opinion in the guise of scientific fact. Vicky Husband, one of the most outspoken opponents of logging and an aggressive pro wilderness land withdrawal proponent. The Sierra Club, which started out as a small California conservation group has now grown to be one of the major preservationist groups. Almost every public hearing concerning any form of development, including most mining developments, will have well supported members of the Sierra Club or affiliated groups opposing the development. Finally there is Monte Hummel of the World Wildlife Fund, the main proponents of the policy to withdraw 12% of the Canadian land base for wilderness "protection".

These groups are well organized and well connected. They talk to each other and work with each other to achieve their goals. They form powerful lobby groups.

CONTINUED ON PAGE 5

MEET THE OPPOSITION - CONTINUED

They have a great ability to sway public opinion. At a recent conference where all these groups got together to discuss issues of concern the following tactics were agreed upon:

- 1) Map the threats (this means companies and individuals with their names, addresses and profiles).
- 2) Deal with the "wise-use", "multiple-use", "SHARE" movement. Develop support at the community level, be sensitive to language that is being used (i.e. SHARE), the burden of proof should be on the developers, don't let this movement drive a wedge between environmentalists and natives.
- 3) Be tolerant of a range of tactics (this implies illegal actions are okay).
- 4) Don't compromise, let government fashion the compromise.
- 5) Avoid demonology/stereotyping, look for allies in unexpected places.
- 6) Focus on the International significance.
- 7) Develop wide ranging fund raising techniques.

This is all pretty scary stuff. Some of the concepts such as being tolerant of a range of tactics and "don't compromise" does not bode well for rational discussion. These groups have made great headways into the minds and hearts of the public. Recently Macmillan Bloedel had great difficulty in finding a place to

make a logging plan presentation in Victoria. They first approached the YMCA about booking their hall in Victoria for the presentation. The YMCA refused to rent the hall to MB due to the fact that MB, as a major forestry company, was not very popular in Victoria. Brainwashed ... just a bit! We must make sure that reason and compromise prevails. We have been shielded quite a bit by the forestry industry. It is really only in the area North of 60 that the mining industry has had to face the full brunt of preservationist lobbies (because there is no forestry industry to absorb the flak). We can only hide so long however. Soon the preservationist guns will turn on us and we will be fighting with groups that have few morals and ethics and don't use the same playing field we do.

A recent pamphlet put out by the Ontario Public Service Employees Union (supported by such groups as the Sierra Club of Ontario and the Temiskaming Environmental Action Committee), titled "Forests for Tomorrow" uses the phrase "Ontario forests are being mined, not managed". Obviously in the minds of those who prepared the pamphlet, the word mining has a pretty poor connotation. We are going to have to work hard both to protect our land base and turn our image around.

September 1990 - Porcupine Branch Prospectors and
Developers Association

NEW EXECUTIVE

At the Smithers Exploration Group annual meeting held in September 1990, a few changes were made to the executive. The current executive is:

President	Hans Smit
Vice President	Linda Dandy
Secretary	Elaine Kenschuh
Treasurer	Corry Tremblay
Past President	Joyce Warren
Govt Representative	Dave Lefebure
New Letter Editor	Mary Lou Malott
Land Use Issues	Colin Harivel

The Smithers Exploration Group is looking for a new Treasurer. The position is currently held by Corry Tremblay who has done an excellent job for the past two years. Anyone interested in becoming the new Treasurer should call Elaine Kenschuh at 847-7383.

ADVERTISEMENTS

The Smithers Exploration Group newsletter will be carrying advertising in future issues. Ads the size of business cards are \$25 and revenues will be used to cover the newsletter mailing costs. The newsletter currently has a mailing list of 250 mining related businesses and individuals. Anyone wishing to place an advertisement in the next newsletter should call Mary Lou Malott at 847-7387.

Anyone interested in submitting an article or who has an idea they would like to see dealt with in the newsletter should write to Mary Lou Malott, Box 3196, Smithers, B.C., V0J 2N0, or phone 847-7387. The deadline for the next issue is December 1, 1990.

UPCOMING EVENTS

March 4-6, 1990 S. Ex. Gp. ROCK TALK V Smithers

Annual meeting with talks, field trips and ski day for geologists, prospectors and others.

Contact Dave Lefebure at 847-7391 or Linda Dandy at 846-9242 for information.

April 10-12, 1990 MINERALS NORTH 1991 Stewart

Followup to successful meetings in Terrace and Smithers.

General interest and technical talks, exhibits and social events for explorationists, miners, planners, business men, politicians and the general public to get a mineral

industry update. Contact the District of Stewart (636-2251) or Smithers MEMPR office (847-7383).

The winter schedule for Smithers Exploration Group evening talks is not yet confirmed, and bulletins will be sent out prior to the talks taking place. The first of the monthly evening talks is expected to take place in late November.

'Rocks and Ramblings'

The fall schedule for *'Rocks and Ramblings'* is listed below. These Friday afternoon sessions consist of informal meetings for prospectors, geologists and other interested individuals. Maps, articles, slides or rock suites are used in the presentations. The meetings are organized by the District Geology staff of the Ministry of Energy, Mines and Petroleum Resources Smithers office. Please call 847-7383 for more information. There is no charge and all are welcome.

Friday Afternoons

3:15 General Discussion
3:30 Presentation
Mines Office, 2nd Floor, Government
Building, Smithers



Schedule

Oct. 19	Quikmap - B.C. Landuse Example, Landuse Issues, NW B.C.	Tom Richards Mary Lou Malott
Oct. 26	Rhyolites	Tom Richards
Nov. 2	Blasting	Doug Flynn Bryan Good Dave Porteous
Nov. 9	Eskay Creek Deposit	Dave Lefebure
Nov. 16	Geophysics	Perry Gruenberg
Nov. 23	Sedimentary Rocks	Mary Lou Malott
Nov. 30	At Min-En Laboratories 3176 Tatlow Rd. (across from Toyota dealer)	
	Analytical Methods	Brian Piper
Dec. 7	Kutcho Creek	Dave Lefebure
Dec. 14	Christmas Gathering "Bring a story"	