



BUGLE



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RIPPLE ROCK GEM & MINERAL CLUB
Box 6, Campbell River, BC V9W 4Z9

Editor: Steve Cooley

October 2018
Regular monthly meeting
2nd Friday each month at 7:30 pm
(except July & August)
Craft Room, Campbell River Community Hall
401-11th Ave
Campbell River, BC



RIPPLE ROCK GEM & MINERAL CLUB

RIPPLE ROCK EXECUTIVE 2018

President	Linda Henderson	250-286-1718
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Shop Coordinator	Molly Milroy	250-830-7643
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Publicity	Diane Cooper	250-830-0889
Bugle Editor	Dennis Cambrey	250-337-8949
Non-Executive Positions		
Showcases		
Slab Draw/Collection		
Coffee Break		
Webmaster		

Delegates to Vancouver Island Zone Meetings

Senior	Jan Boyes
Intermediate	Melissa Ticknor
Junior	Sunday Cousins

WORKSHOP

Shop located at 246 Dahl Rd. (the better address is 247 Dahl Rd.)

For general shop info contact
Molly Milroy 250-830-7643

Workshop hours are posted on the website
www.ripplerockgemandmineralclub.com

MEMBERSHIPS

A single membership is \$15.00 and a family is \$25.00. Memberships may be paid at the *General meetings*, or by mail to the address on the Bugle cover.

Four people took a trip to the Argonaut. We found magnetite, very low grade garnet and limestone or marble. There are several levels that can be driven to by most vehicles. To explore all parts takes several hours, more than we wanted to stay.



This must be



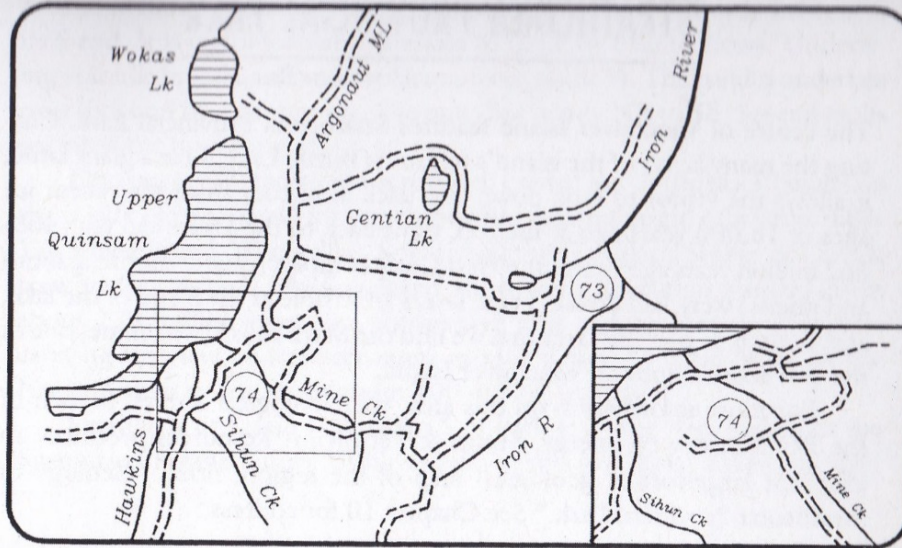
Dump face



'Glory' hole



Benches above the hole



74. MINFILE NUMBER: 092F 075
 NAME(S): IRON HILL

GPS
 49.86527
 125.54701

* Minerals,
 geology

Status:	Past producer, open pit		
NTS Map:	092F13E	UTM Zone:	10
Latitude:	49 51 45	49.8575	Northing: 5526229
Longitude:	125 32 40	125.5444	Easting: 317131
Elevation:	457 m		
Comments:	Open pit. The old iron mine is a potential producer of garnet, presently under review.		
Commodities:	Iron, limestone, garnet, magnetite		
MINERALS			
Significant:	Magnetite	49.8618	
Associated:	Garnet, pyrite, epidote, calcite	125.5417	

from map open pit

Turn off the Campbell River — Gold River Highway #28 2 km W of Echo Lake (20 km from Campbell River) onto the Argonaut Mainline. Mine is 16 km from turn-off, on S side of Upper Quinsam Lake, on Mine Creek.

The Argonaut mine is a massive magnetite-magnetite/garnetite skarn situated on Iron Hill, just E of upper Quinsam Lake. Skarn mineralization occurs along the contact between limestone and pillowed basalts and consists of massive garnetite and magnetite with minor amounts of epidote, calcite, and pyrite.

Between 1951 and 1957, over 3.5 million tonnes of ore were mined, from which 2 million tonnes of concentrate was shipped. The tailings and waste pile contain fine-grained magnetite and garnet.

About 1 km W of Iron Hill, massive magnetites in greenish volcanics show on Sihun Creek, with associated chalcopryrite and pyrite, interlaced by quartz and calcite veins. There are reports of cobalt showings close to Upper Quinsam Lake, between Sihun and Mine Creeks.

Shop schedule for October

Thursdays from 12 to 3

Oct 4 Doug Sreeton

Oct 11 Doug

Oct 18 Beba

Oct 25 Doug

Fridays from 11 to 2

Oct 5. Harry

Oct 12 Bonnie

Oct 19 Linda

Oct 26 Bonnie

If there is enough interest, it could be opened an evening and/or during the weekend.



Old pictures of our shop. How many changes can you spot?!

5.1 HARDNESS

Mohs' scale of hardness is named after the German mineralogist Friedrich Mohs (1773-1839) who devised a simple standard of comparison, ranging from 1 (soft) to 10 (hard) that determines relative "scratchability." Anything having, for example, a hardness of 6, will scratch anything having a lower number of 5 through 1. Minerals having typical hardnesses are:

- 1 talc
- 2 gypsum
- 3 calcite
- 4 fluorite
- 5 apatite
- 6 orthoclase
- 7 quartz
- 8 topaz
- 9 corundum (ruby, sapphire)
- 10 diamond

The easiest way to remember the sequence is "*The girls can flirt and other queer things can do.*" Gypsum is harder than talc, but not twice as hard. Fluorite is harder than calcite, but is less hard than apatite. If a material scratches everything up to fluorite, but not apatite, then it has a hardness between 4 and 5. For field work, you can buy hardness pencils that come equipped with known stones, or you can make your own. Other useful hardness tools are:

- 2.5 fingernail
- 4 penny, common nail
- 5.5 window glass, penknife blade
- 6.5 metal file
- 7 quartz crystal

Remember not to scratch a prize specimen in a visible place! When examining a scratch, make sure you are looking at the scratch, and not some loose powder that has been scraped off. Wash the specimen and see that the scratch scores the real rock.

Copied from A Field Guide to Gold, Gemstone & Mineral Sites of British Columbia, volume 1 Vancouver Island