



Province of  
British Columbia

Red mtn.  
886982

# MEMORANDUM

TO: Dorthe Jakobson  
BCGS - 541 Superint.  
Victoria

FROM: Tom Schroeter  
BCGS  
Vancouver

SUBJECT: Red Mtn. / Willoughby Prospects

DATE: Dec. 28/89 FILE: Red Mtn. (B6)

- |  |   |   |   |   |
|--|---|---|---|---|
| <input checked="" type="checkbox"/> For Your Information | <input type="checkbox"/> Please O.K. and Return   | <input type="checkbox"/> Please Discuss With Me | <input type="checkbox"/> Per Your Request | <input type="checkbox"/> For Your Signature |
| <input type="checkbox"/> Please Process                  | <input type="checkbox"/> Return With More Details | <input type="checkbox"/> Investigate and Report | <input type="checkbox"/> Please Answer    | <input type="checkbox"/> For Your File      |

I'm returning the sheets for the above noted prospects, as requested. Because of the sensitive nature of these projects I feel it's best to report only what is publically available at this time. However, knowing that new assessment reports have been filed, and assuming more information will be forthcoming from the company, I suggest that a 'red flag' be attached to the files to assure

REPLY: updating by next Fall. I plan on visiting the sites next summer and would be happy to supply information. In the meantime, you can proceed, incl. older assessment report for Red Mtn. Mo<sub>2</sub> project.  
Attachment. Cheers, Tom

Fold Here for Window Envelope

Fold Here for Window Envelope

LOG NO: DEC 01 1989	VAN 2
ACTION:	
JBS → Janice, pls. make copies + return original to the	
FILE NO:	<del>XXXXXXXX</del> Red Mt.

Nov. 29/89

Dear Tom;

Here are the preliminary coding cards on the Red Mountain and Willoughby (Gossan) prospects. There really isn't enough information to enter them into the system as yet, if you could supply some that would be great. Please edit, correct or add anything right on the sheets that I sent and return them to me when the information is no longer confidential. Thanks for your help.

  

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NEW  REVISION  MODIFIED  DELETE

See Dec. '89  
Assessment  
Report

IDENTIFICATION

MINFILE NO. 103P ~~258~~ <sup>006</sup> ← Note

NAT'L MINERAL INV. NO. \_\_\_\_\_  
CANINDEX NO. \_\_\_\_\_

NAME(S) 1. Willoughby Gossan  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_

STATUS:  SHOWing  PROSpect  Developed PROspect  PRODucer  PAsT PRoducer

LOCATION:  
NTS MAP: 103P 13E  
BC MAP: \_\_\_\_\_  
MINING DIVISION: Skeena  
UTM ZONE: 9 NORTHING: 620000 EASTING: 462000  
LATITUDE: \_\_\_\_\_ LONGITUDE: \_\_\_\_\_  
ELEVATION: 1524 (metres) N 129° 31'  
W 65° 57'  
LOCATION CERTAINTY:  1 within 500 m  2 within 1 km  3 within 5 km  
Comment on Identity: located approx. 21 kilometres east of Stewart

MINERAL OCCURRENCE

COMMODITIES: Au Ag  
MINERALOGY:  
SIGNIFICANT Minerals: \*\*\*  
Comment: unknown at present  
ASSOCIATED Minerals: \_\_\_\_\_  
Comment: \_\_\_\_\_  
ALTERATION Minerals: \_\_\_\_\_  
Comment: \_\_\_\_\_  
ALTERATION Type: OXID

DEPOSIT CHARACTER:  
 01 Vein  02 Stockwork  03 Breccia  04 Pipe  05 Unconsolidated  
 06 Podiform  07 Layered  08 Stratabound  09 Stratiform  10 Concordant  
 11 Discordant  12 Massive  13 Disseminated  14 Unknown  
DEPOSIT CLASSIFICATION:  
 01 Replacement  02 Magmatic  03 Volcanogenic  04 Sedimentary  05 Syngenetic  
 06 Epigenetic  07 Hydrothermal  08 Residual  09 Porphyry  10 Igneous-contact  
 11 Skarn  12 Pegmatite  13 Placer  14 Precipitate  15 Exhalative  
 16 Diatreme  17 Epithermal  18 Mesothermal  19 Fossil Fuel  20 Metamorphic  
 21 Unknown

AGE OF MINERALIZATION: \*\*\* unknown ISOTOPIC AGE: \_\_\_\_\_  
MATERIAL DATED: \_\_\_\_\_ DATING METHOD: \_\_\_\_\_  
SHAPE OF DEPOSIT:  1 Regular  2 Tabular  3 Cylindrical  4 Bladed  5 Irregular  
SHAPE MODIFIER:  1 Folded  2 Faulted  3 Fractured  4 Sheared  5 Other \_\_\_\_\_  
DEPOSIT DIMENSION: \_\_\_\_\_ X \_\_\_\_\_ X \_\_\_\_\_ (metres)  
ATTITUDE: STRIKE/DIP \_\_\_\_\_ TREND/PLUNGE \_\_\_\_\_  
Comment: \_\_\_\_\_

DATE CODED: Y 89 M 11 D 28 CODED BY DEJ FIELD CHECKED  YES  NO  
Y \_\_\_\_\_ M \_\_\_\_\_ D \_\_\_\_\_ REVISED BY \_\_\_\_\_  YES  NO

MINFILE NO.

**HOST ROCK**

**DOMINANT HOST ROCK:**  1 Sedimentary  3 Volcanic  5 Metaplutonic  7 Metamorphic  
 2 Plutonic  4 Metasedimentary  6 Metavolcanic

**FORMAL HOST:**

1. Group: 289 Hazellton Formation: 595 Salman River  
 Strat-Age: 224 Mid R Isotopic Age: \_\_\_\_\_  
 Dating Method: \_\_\_\_\_ Material Dated: \_\_\_\_\_

2. Group: \_\_\_\_\_ Formation: \_\_\_\_\_  
 Strat-Age: \_\_\_\_\_ Isotopic Age: \_\_\_\_\_  
 Dating Method: \_\_\_\_\_ Material Dated: \_\_\_\_\_

**INFORMAL HOST:**

1. Igneous/Metamorphic/Other: Name: \_\_\_\_\_  
 Strat-Age: \_\_\_\_\_ Isotopic Age: \_\_\_\_\_  
 Dating Method: \_\_\_\_\_ Material Dated: \_\_\_\_\_

2. Igneous/Metamorphic/Other: Name: \_\_\_\_\_  
 Strat-Age: \_\_\_\_\_ Isotopic Age: \_\_\_\_\_  
 Dating Method: \_\_\_\_\_ Material Dated: \_\_\_\_\_

Comment on Host Rock: \_\_\_\_\_

**ROCK TYPE/LITHOLOGY:**

MODIFIER CODE(S)	ROCK CODE	ROCK NAME
_____	<u>SLSN</u>	<u>Siltstone</u>
_____	<u>ARGL</u>	<u>Argillite</u>
_____	<u>GRWK</u>	<u>Greywacke</u>
_____	<u>SNSD</u>	<u>Sandstone</u>
_____	<u>CLM</u>	<u>Conglomerate</u>
_____	<u>LMSN</u>	<u>Limestone</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

**GEOLOGICAL SETTING**

**TECTONIC BELT:**  IN Insular  CC Coast Crystalline  IM InterMontane  OM OMineca  EA Eastern

**TERRANE:** 1. JBL 2. ST

**PHYSIOGRAPHIC AREA:** ENRC Banday Ranges

**METAMORPHISM:** TYPE:  1 Contact  2 Regional  
 RELATIONSHIP:  1 Pre-Mineralization  2 Syn-Mineralization  3 Post-Mineralization

**GRADE:**  ZL Zeolite  BS Blueschist  MV Med. Vol. Bituminous  
 GS Greenschist  EC Eclogite  HV HI Vol. Bituminous  
 AM Amphibolite  AN Anthracite  SB Sub Bituminous  
 HF Hornfels  SA Semi-Anthracite  LI Lignite  
 GL Granulite  LV Low Vol. Bituminous

Geological Setting Comment: \_\_\_\_\_







**MINFILE**

NEW  REVISION  MODIFIED  DELETE

**IDENTIFICATION**

MINFILE NO. 103P 253 NAT'L MINERAL INV. NO. \_\_\_\_\_

CANINDEX NO. \_\_\_\_\_

NAME(S) 1. Red Mountain  
2. Marc  
3. Brad  
4. ~~\_\_\_\_\_~~ Previous name(s)?

STATUS:  SHOWING  PROSpect  DEVELOPED PROSPECT  PRODUCER  PAST PRODUCER

LOCATION: NTS MAP: 103P 13E

BC MAP: \_\_\_\_\_

MINING DIVISION: Skeena

UTM ZONE: 9 NORTHING: 6199750 EASTING: 455630

LATITUDE: \_\_\_\_\_ LONGITUDE: \_\_\_\_\_

ELEVATION: 1295 (metres)

LOCATION CERTAINTY:  within 500 m  within 1 km  within 5 km

Comment on Identity: located on south flank of Red Mountain, 7.5 kilometres east of Stewart

**MINERAL OCCURRENCE**

COMMODITIES: Ag Au

MINERALOGY:

SIGNIFICANT Minerals: Gold

Comment: \_\_\_\_\_

ASSOCIATED Minerals: \_\_\_\_\_

Comment: \_\_\_\_\_

ALTERATION Minerals: \_\_\_\_\_

Comment: \_\_\_\_\_

ALTERATION Type: \_\_\_\_\_

DEPOSIT CHARACTER: \_\_\_\_\_

- Vein
- Stockwork
- Breccia
- Pipe
- Unconsolidated
- Podiform
- Layered
- Stratabound
- Stratiform
- Concordant
- Discordant
- Massive
- Disseminated
- Unknown

DEPOSIT CLASSIFICATION: \_\_\_\_\_

- Replacement
- Magmatic
- Volcanogenic
- Sedimentary
- Syngenetic
- Epigenetic
- Hydrothermal
- Residual
- Porphyry
- Igneous-contact
- Skarn
- Pegmatite
- Placer
- Precipitate
- Exhalative
- Diatreme
- Epithermal
- Mesothermal
- Fossil Fuel
- Metamorphic
- Unknown

AGE OF MINERALIZATION: unknown ISOTOPIC AGE: \_\_\_\_\_

MATERIAL DATED: \_\_\_\_\_ DATING METHOD: \_\_\_\_\_

SHAPE OF DEPOSIT:  Regular  Tabular  Cylindrical  Bladed  Irregular

SHAPE MODIFIER:  Folded  Faulted  Fractured  Sheared  Other \_\_\_\_\_

DEPOSIT DIMENSION: 500 X \_\_\_\_\_ X \_\_\_\_\_ (metres)

ATTITUDE: STRIKE/DIP \_\_\_\_\_ TREND/PLUNGE \_\_\_\_\_

Comment: Marc zone traced on surface for 500 meters strike length

DATE CODED: Y 89 M 11 D 28 CODED BY DEJ FIELD CHECKED  YES  NO

REVISOR: Y \_\_\_\_\_ M \_\_\_\_\_ D \_\_\_\_\_ REVISED BY \_\_\_\_\_  YES  NO

MINFILE NO.

TC 1 2/11/90

**HOST ROCK**

**DOMINANT HOST ROCK:**

- 1 Sedimentary      3 Volcanic      5 Metaplutonic      7 Metamorphic  
 2 Plutonic      4 Metasedimentary      6 Metavolcanic

**FORMAL HOST:**

1. Group: 289 Hazelton Formation: 514 Yuk River  
 Strat-Age: 227 LR Isotopic Age: \_\_\_\_\_  
 Dating Method: \_\_\_\_\_ Material Dated: \_\_\_\_\_  
 2. Group: \_\_\_\_\_ Formation: \_\_\_\_\_  
 Strat-Age: \_\_\_\_\_ Isotopic Age: \_\_\_\_\_  
 Dating Method: \_\_\_\_\_ Material Dated: \_\_\_\_\_

**INFORMAL HOST:**

1. Igneous/Metamorphic/Other: Mid R (younger?) Name: ~~\*\*\*~~ Unknown  
 Strat-Age: 224 Isotopic Age: \_\_\_\_\_  
 Dating Method: \_\_\_\_\_ Material Dated: \_\_\_\_\_  
 2. Igneous/Metamorphic/Other: \_\_\_\_\_ Name: \_\_\_\_\_  
 Strat-Age: \_\_\_\_\_ Isotopic Age: \_\_\_\_\_  
 Dating Method: \_\_\_\_\_ Material Dated: \_\_\_\_\_

Comment on Host Rock: Stack is possibly younger than Middle Silurassic in age.

**ROCK TYPE/LITHOLOGY:**

MODIFIER CODE(S)	ROCK CODE	ROCK-NAME
<u>XTAL</u>	<u>TUFF</u>	<u>Crystal TUFF</u>
<u>LTHC</u>	<u>TUFF</u>	<u>Lithic TUFF</u>
<u>SYNO</u>	<del>SYNO</del>	<u>Syenodiorite</u>
<del>_____</del>	<del>_____</del>	<del>_____</del>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

**GEOLOGICAL SETTING**

**TECTONIC BELT:**  IN Insular      CC Coast Crystalline      IM IntraMontane      OM OMineca      EA Eastern

**TERRANE:** 1. JBL 2. ST

**PHYSIOGRAPHIC AREA:** PURG Boundary Ranges

**METAMORPHISM:**

**TYPE**  
 1 Contact      1 Pre-Mineralization  
 2 Regional      2 Syn-Mineralization  
 3 Post-Mineralization

**GRADE:**

<input type="checkbox"/> ZL Zeolite	<input type="checkbox"/> BS Blueschist	<input type="checkbox"/> MV Med. Vol. Bituminous
<input type="checkbox"/> GS Greenschist	<input type="checkbox"/> EC Eclogite	<input type="checkbox"/> HV HI Vol. Bituminous
<input type="checkbox"/> AM Amphibolite	<input type="checkbox"/> AN Anthracite	<input type="checkbox"/> SB Sub Bituminous
<input type="checkbox"/> HF Hornfels	<input type="checkbox"/> SA Semi-Anthracite	<input type="checkbox"/> LI Lignite
<input type="checkbox"/> GL Granulite	<input type="checkbox"/> LV Low Vol. Bituminous	

Geological Setting Comment: \_\_\_\_\_





