

W.A. No.

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SUBJECT Reports

92HNE-07

PROPERTY FILE

92HNE REVISUAL FILE

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92H/9W

REPORT ON
THE SHR, JOY AND ELN MINERAL CLAIMS
SIMILKAMEEN MINING DISTRICT, B.C.

92H/9W-07
PROPERTY FILE

by
MacDonald Consultants Ltd.
12 - 425 Howe Street, Vancouver 1, B.C.
E.D. Dodson, P.Eng.
February 25, 1970

INTRODUCTION

The Christian Creek property of Canwex Explorations Ltd., comprised of the Shr, Joy and Eln claims, is located eight miles north of Princeton, B.C. Work to date indicates the presence of anomalous amounts of copper in soils and silts on portions of this ground.

The program outlined herein is designated to establish the source of the copper and to test the grade of any mineralization encountered.

LOCATION AND ACCESS

The property is situate eight miles north of Princeton and two miles north of Jura station on the Canadian Pacific Railroad. The elevation is approximately 4,500 feet above sea-level. Access is by good secondary roads to both the south and west sides of the property.

MINERAL CLAIMS

The Canwex holdings in this area consist of the following mineral claims:

Claim No.	Record No.	Date Recorded
Shr 1 - 2	12350-51	April 30, 1965
Shr 3 - 6	12365-68	April 30, 1965
Shr 7 - 18	12416-27	April 30, 1965
Joy 1 - 4	12441-44	June 18, 1965
Joy 5 - 6	18957-58	Oct. 21, 1966
Shr 23 Fr.	18877	Oct. 7, 1966
Shr 24 Fr.	18956	Oct. 21, 1966
Eln 1 - 6	12344-49	Apr. 30, 1965
Eln 7 - 8	12428-29	May 27, 1965
Eln 9 - 20	22380-91	May 17, 1968

HISTORY

The claims comprising this group were staked by D. W. Smellie and G. Woodburn in 1965, 1966 and 1968. During 1965, 1966 and 1967 magnetometer surveys were conducted. An Induced Polarization survey of a portion of the ground was performed in 1965. This was followed by bulldozer trenching and diamond-drilling on the southern claims. A geological report on the Shr, Joy and Eln claims was prepared by W. G. Stevenson, P.Eng., on February 12, 1969. During 1969 a geochemical survey was performed on the Eln 5-20 and the Shr 1-5, 7-18 group of claims at the north end of the property by MacDonald Consultants Ltd. Later, S. C. Gower mapped the geology and

drainage patterns of the Shr 15-18 and Eln 5-20 claims and sampled the gullies for Cu, Pb, Ag, Zn and Mo.

PHYSIOGRAPHY

The claims lie in an area of gently rolling topography. Major stream-valleys are steep-sided and deeply incised below the general level. Much of the claim area is mantled by glacial and fluvio-glacial deposits. Bedrock outcrops locally as small patches or on the valley walls as steep bluffs.

Forest cover varies from open patchy Lodgepole Pine, Yellow Pine and Aspen Poplar alternating with grassland to dense stands of young pine and Douglas fir.

GEOLOGY

As stated above the claim area is covered with extensive overburden. The thickness of this material may locally reach 250 feet. In most areas overburden is assumed to be a few feet to a few tens of feet in thickness.

The claims lie along the west edge of the Osprey Lake Batholith which extends from Princeton to Pentiction and northward from Hedley a distance of 50 miles. The local variant of this mass, known as the Summers Creek intrusive complex is quartz-monzonite to granite in composition. The Summers Creek rocks are in contact with Nicola Volcanics on the southwest. Adjacent to the contact is a hybrid zone or separate intrusion of gabbroic composition. Gower⁽¹⁾ concludes that:

"The main portions of the intrusive, judged from visible outcrop and diamond drill results appear to be too poorly altered and fractured to carry economic mineralization. The Nicola Volcanics exposed on the property also seem too poorly altered and fractured to carry ore-grade mineralization. The most favourable rock appears to be the contact phase in the Shr 18, Eln 8 area. This area appears to be leaking copper-silver into the gullies, which trend south in the area. Very fine-grained disseminated sulphides were observed in the rock."

GEOCHEMISTRY

Geochemical work by MacDonald Consultants Ltd. on an 800 foot spaced grid indicated several areas of apparently anomalous soils. Follow up work by Gower established a pronounced relationship between these anomalous values and the weakly developed drainage. The only significant copper anomalies would appear to be portions of those on the Eln 8, Shr 24 Fraction common boundary and those on the Shr 17-18 claims. The remainder of the high values appear to be transported copper fixed in silts and poorly drained soils.

CONCLUSIONS AND RECOMMENDATIONS

The copper anomalies, indicated by the 1969 work, both silt and soil, warrant further investigation. The copper appears to be derived from the contact phase of the Summers Creek intrusions. In view of the extensive overburden cover visual assessment of these rocks is impossible. The writer therefore recommends that:

1. Existing grid lines on the Shr 7-18, Shr 24 Fraction, and Eln claims be cut to a standard suitable for Induced Polarization work.
2. Line spacing over the Shr 15-18 and Eln 6, 8 and 10 claims be reduced to 400 feet.
3. An Induced Polarization survey be conducted on the 800 foot spaced lines with electrode spacing of 800 feet.

(1) S.C. Gower - Unpublished report for Canwex dated Oct., 1969.

4. A magnetometer survey should be run over the 400 foot grid with station interval of 100 feet. This should delineate the "gabbro" contact.
5. Further soil sampling be undertaken to bring the sample interval to 200 feet on all 400 foot spaced lines.
6. Trenching of the anomalous areas outlined by the geophysics and geochemistry by D7E Caterpillar (or equivalent) tractor.
7. Geological mapping of the above trenches and assaying of mineralized sections.
8. If the results of the above work are favourable, some diamond-drilling will be required to establish the tenor of the mineralization. The drilling should be performed using at least AQ wireline equipment.

BUDGET

Line Cutting	
8 line miles @ approx. \$125/mile	\$ 1,000.00
18 line miles @ approx. \$ 75/mile	1,350.00
Geophysics	
Induced Polarization survey -	
18 line miles @ approx. \$500/mile - 800' electrode spacing	9,000.00
Magnetometer Survey	
8 line miles - 100 station interval	500.00
Geochemistry	
Collection of 225 samples	175.00
Analysis - 3 metals	800.00
Trenching	
D7E (or equivalent) \$27/hour, 100 hours, plus mobilization	3,200.00
Diamond Drilling	
2,000 feet AQ wireline @ \$15/foot	30,000.00
Miscellaneous	
Supervision, geology, corelogging and engineering	2,500.00
Consultants fees and expenses	2,000.00
Assaying and sample preparation	1,000.00
Camp and food	3,000.00
Truck rental and operation	1,000.00
Mobilization	300.00
	<hr/>
Sub-Total	55,825.00
	<hr/>
Contingencies	5,500.00
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TOTAL	\$61,325.00

Respectfully submitted,

MACDONALD CONSULTANTS LTD.
 "E. D. DODSON"
 E. D. Dodson, P.Eng.

April 9, 1971

CERTIFICATE

I, Earl D. Dodson, do hereby declare that as of April 9, 1971:

1. I reside at 2990 St. Kilda Avenue, North Vancouver, B.C., and have business address at 12 - 425 Howe Street, Vancouver 1, B.C.
2. I am a graduate in geology of the University of British Columbia in 1954.
3. Since 1954 I have been employed in various phases of mineral exploration; in the later years in posts of considerable responsibility.
4. I am a professional engineer registered in the Association of Professional Engineers of the Province of British Columbia.
5. I visited the property described herein on July 31, 1969, and supervised the soil-sampling program.
6. I have no interest, direct or indirect, nor do I expect to receive either directly or indirectly any interest in the properties or securities of Canwex Explorations Ltd. (N.P.L.)

Respectfully submitted,

MACDONALD CONSULTANTS LTD.

"EARL D. DODSON"
Earl D. Dodson, P.Eng.

REPORT ON THE
SHR, ELN AND JOY MINERAL CLAIMS
SIMILKAMEEN MINING DISTRICT, B.C.

for
CANWEX EXPLORATIONS LTD. (N.P.L.)

by
EARL D. DODSON, P.ENG.

July 25, 1972

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INTRODUCTION

The Shr, Eln and Joy Mineral Claims of Canwex Explorations Ltd. were first examined by the writer on July 31, 1969. They are the subject of his report of February 25, 1970, and updating letters of April 9, 1971, and June 16, 1972.

LOCATION AND ACCESS

The property is situate ten miles north-northeast of Princeton and two miles north of Jura. The elevation is approximately 4,500 feet above sea level. Access is by good secondary road to both the south and west sides of the property.

MINERAL CLAIMS

The Canwex holdings consist of the following 58 mineral claims and fractional mineral claims:

<u>Claim Name</u>	<u>Record Number</u>
Shr 1 - 2	12350 - 51
Shr 3 - 6	12365 - 68
Shr 7 - 18	12416 - 27
Shr 23 Fr.	18877
Shr 24 Fr.	18956
Shr 25 - 28	33719 - 22
Shr 29 - 30	34549 - 50
Shr 31 Fr.	34655
Eln 1 - 6	12344 - 49
Eln 7 - 8	12428 - 29
Eln 11 Fr.	22382
Eln 9 - 20	22380 - 91
Eln 21 - 23 Fr.	33723 - 25
Joy 1 - 4	12441 - 44

HISTORY

The original claims comprising this group were staked by D.W. Smellie and G. Woodburn in 1965, 1966 and 1968. Additional claims and fractional claims have been added since. During the period from 1965 to the present, various surveys of limited extent have been performed. A list of the reports on the property is included as a bibliography to this report.

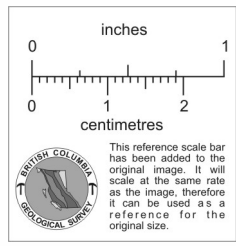
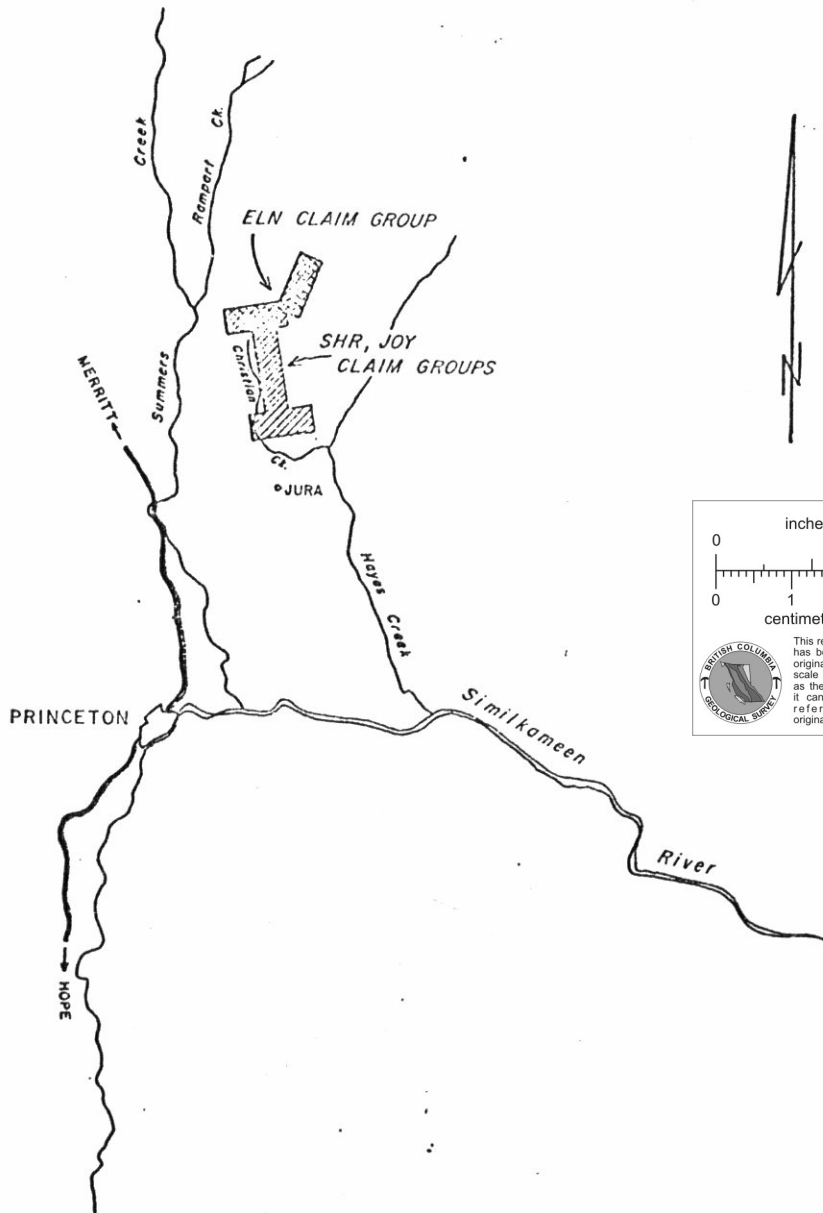
In addition to the various surveys, seven percussion holes have been drilled on the Shr and Eln claims. These holes encountered heavy pyritization but no economic sulphides.

PHYSIOGRAPHY

The claims lie in an area of gently rolling topography. Major stream valleys are steep-sided and deeply incised below the general level. Much of the claims area is mantled by glacial and fluvioglacial deposits. The Eln 1 to 4 claims are mantled by thick gravel deposits, in part at least, exceeding 200 feet.

Bedrock outcrops locally as small patches or on the valley walls as precipitous cliffs.

120°30'

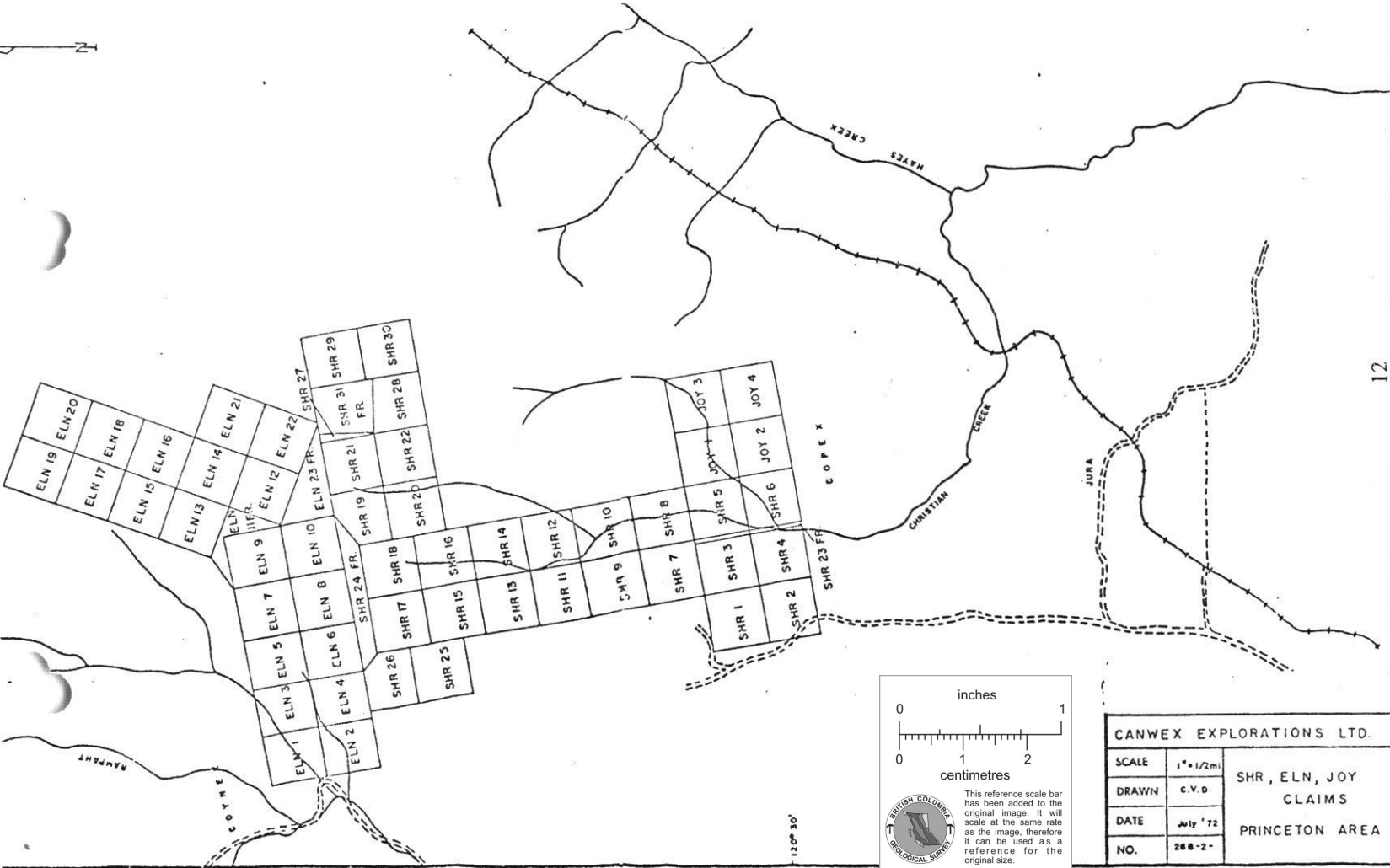


49°30'

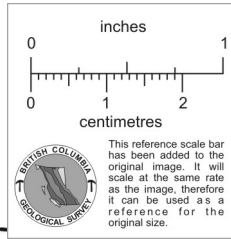
CANWEX EXPLORATIONS LTD.

SCALE	1" = 4 mi.
DRAWN	gAs
DATE	OCT. '69
NO.	266-2-1

**LOCATION
MAP**



120° 30'



This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

CANWEX EXPLORATIONS LTD.		
SCALE	1" = 1/2 mi	SHR, ELN, JOY CLAIMS PRINCETON AREA
DRAWN	C.V.O	
DATE	July '72	
NO.	268-2-	

GEOLOGY

The claims lie along the west edge of the Osprey Lake Batholith which extends from Princeton to Penticton, and northward from Hedley a distance of 50 miles. The local variant of this mass, known as the Summers Creek intrusive complex is quartz-monzonite to granite in composition. The Summers Creek rocks are in contact with Nicola volcanics on the southwest. Adjacent to the contact is a hybrid zone or separate intrusion of gabbroic composition.

The gabbro can be traced geophysically as a magnetic high from its outcrops on Eln 5 claim over the Eln 7, 9, 10, 12 and 23 Fr. claims.

Nicola volcanics outcrop along the west sides of the Eln 13, 15 and 17 claims and on the Shr 16, 18 and 24 Fr. claims.

ECONOMIC GEOLOGY

The district has long been known for its copper deposits. The Copper Mountain camp, currently the site of Similkameen Mining Company's Ingerbelle operation has been in active production almost continuously since 1925. To the south of the Canwex property at Jura, Kennco Explorations outlined a large low-grade copper deposit. On the Cop-Ex Mining Corporation ground immediately to the south of Canwex, a copper showing is currently under exploration. Immediately to the northwest, Coynex Explorations Ltd. has a copper showing. Further to the northwest, Adonis Mines Ltd. has a major low-grade deposit under exploration.

A significant feature of the Adonis property is the association of copper mineralization with Nicola volcanics at their contact with gabbroic intrusives. This is important in that the gabbro on the Canwex ground is in contact with Nicola rocks and much of the presumed contact is hidden under heavy overburden.

The writer, before commencing this report, studied the data from all previous surveys. He correlated the various items and attempted to assess the degree to which various parts of the ground had been tested. For this purpose, all data was compiled on maps at 400 feet to the inch and compared on a light-table.

CONCLUSIONS

The Eln, Shr and Joy claims are situated within an area known to be favourable to the occurrence of copper deposits. Work to date has been largely of a reconnaissance nature, but it has indicated the presence of a gabbroic intrusive in contact with Nicola volcanics. This has proven to be a favourable condition on the Adonis property and warrants investigation on this ground.

The south end of the property appears to have had sufficient work done to eliminate the likelihood of the occurrence there of large disseminated copper deposits. The central part of the property, Shr 9 to 16, has had almost no work done other than the geochemical survey. The surveys to date have been conducted in a somewhat random fashion, as work was required on the claims, and at a minimal cost. As a result, coverage is incomplete. To completely evaluate the property's potential, further work is required.

RECOMMENDATIONS

The writer recommends the following work be undertaken as a co-ordinated, systematic program as soon as practical.

1. Complete the reconnaissance magnetic and IP surveys of the property by covering the as yet untested Shr 9 to 16, 22, 25, 28 and 30 claims with both magnetometer and IP on

- lines spaced 800 feet apart.
2. Extend the trenching a total of 2,000 lineal feet on the Eln 9, 10 and Eln Fr. 23 claims to establish the extent of mineralization in the Nicola at the contact of the gabbro.
 3. Drill three 500 foot holes to assess the IP anomaly underlying Eln 1 to 4 claims. These holes will require drilling with rotary rig to bedrock surface and should be completed with diamond drill.
 4. If results of the other surveys provide targets, drill to establish the nature of these targets.

BUDGET

Magnetometer Survey – seven miles	\$ 500.00
IP Survey – seven miles including some line recutting	3,500.00
Trenching – 2,000 lineal feet	3,000.00
Drilling – 2,500 feet @ \$14.00/foot	35,000.00
Engineering, geology, supervision	2,500.00
Assaying	500.00
	<u>\$45,000.00</u>
Contingencies ± 15%	6,500.00
	<u><u>\$51,500.00</u></u>

Respectfully submitted,

“EARL D. DODSON”
Earl D. Dodson, P.Eng.