

# 3498

COMINCO LTD.  
Kimberley Exploration

REPORT OF GEOCHEMICAL SURVEY  
ON THE W. D. GROUP  
FORT STEELE MINING DIVISION

LAT 49° 44'N LONG 116° 21'W  
N.T.S. 82F/9, 16

The W.D. Group is located 7300 feet N.N.W. from the junction of the White and Dewar Creeks, 17-1/2 miles W.N.W. of Kimberley, B.C. The following is a list of the claims comprising the Group, and indicates the amount of assessment credit requested on each claim.

<u>Claim</u>	<u>Record No.</u>	<u>Ann. Date</u>	<u>Credit Requested (1 Yr./Claim)</u>
W.D. 1-10,incl.	17065-17074,incl.	June 23	10 years
W.D.11-16,incl.	17076-17080,incl.	June 23	<u>Nil</u>
		Total	10 years

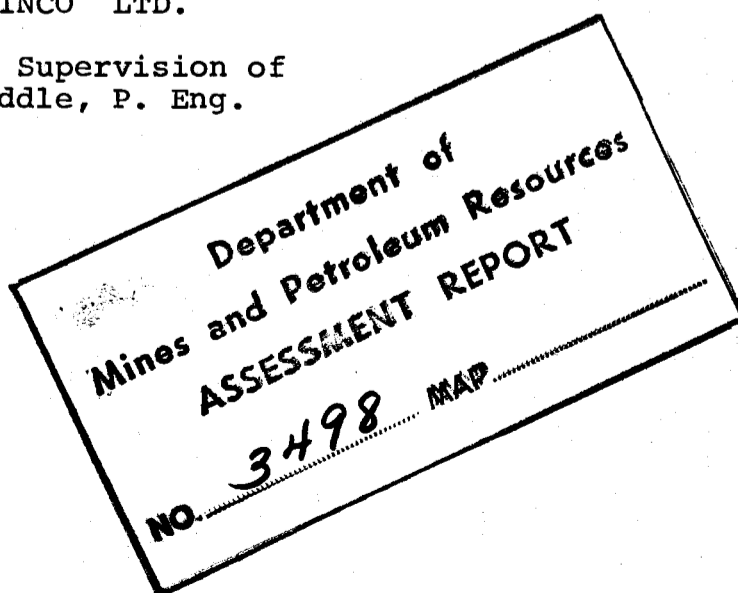
Work was carried out on the above claims during the period June 23rd to August 31st 1971.

REPORT BY

D. H. LANCASTER  
Exploration Technician  
COMINCO LTD.

Under the Supervision of  
D.W. Heddle, P. Eng.

DHL/ld  
January 19th 1972



Report of Geochemical Survey on the W.D. Group

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1) Summary:

The W.D. Group of 12 claims was staked on June 10th 1971, and recorded June 23rd 1971. A geochemical soil sample survey was conducted during 1971 over W.D. claims 7-14, inclusive. No significant mineralization was indicated by the work. A slight increase in zinc values is indicated on the western fringe, but values are too low to be significant.

2) Introduction:

The area covered by the W.D. Group is located just east of the junction of the east fork of the St. Mary's River (White Creek) and the north fork of the St. Mary's River (Dewar Creek). The entire claim area has been burnt off, and is largely devoid of outcrop with the exception of the base of the bluffs to the north which roughly mark the northern limit of the claim group, and a number of sporadic outcrops in the bottom of White Creek. The group is accessible to within one mile by a good logging road.

3) General Geology:

The claim area is mapped by the Geological Survey of Canada (Reesor, J., 1958) as being underlain by the lower division of the Precambrian Aldridge formation on the northern half, which is brought into juxtaposition with the Creston formation along the Hall Creek fault. Diorite sills are prominent in the northern half, and a 2' to 4' quartz vein cuts the sediments on W.D. No.7 in the main creek bed (White Creek). Metamorphism is extreme with the sediments being more micaceous than in the normal Aldridge formation, partially due to the large Hall Creek fault, and to the nearby White Creek batholith which is exposed four miles N.W. The sediments strike north-south, and dips vary from 65° West to 85° East.

4) Geochemistry:

A grid consisting of eleven lines spaced 400' apart was sampled at 200' intervals in the "B" horizon. The lines were run at 320° azimuth, and sampling was conducted from White Creek north to talus or outcrop.

Sampling was done with a grub hoe, and collected with a small aluminum scoop, and stored in wet strength Kraft bags. The samples were then sun-dried, and sieved through -80 mesh nylon screen, and assayed by a Jarvel atomic absorption spectrometer for lead and zinc in parts per million.

No discrete anomalous zones were detected by the survey. A very weak zinc high was outlined on the W.D. No.8 claim, which is open to the west, but the values are only twice background, and not considered anomalous. (See Plate W.D. 2-71). A small erratic high exists between W.D. 13 and W.D. 15, but is not considered significant. One other "high" at the base of a talus slope is not considered significant either.

It appears justifiable to conclude that no mineralization of importance occurs in the sampled area. An increase in zinc values may be indicated to the west, as seen on W.D. claim No.8.

5) Bibliography:

Reesor, J. - Dewar Creek Map Area, G.S.C. Memoir 292, 1958.

6) Attachments:

W.D. 1-71 - Claim Location Map.

W.D. 2-71 - W.D. Group Geochemical Soil Survey (Zinc).

W.D. 3-71 - W.D. Group Geochemical Soil Survey (Lead).

W.D. 4-71 - Geochemical Soil Survey Grid Location.

Statement of Expenditures.

Statutory Declaration Relating to Expenditures.

Statement of Qualifications.

Report by:

Don Lancaster  
D.H. Lancaster,  
Exploration Technician.

Endorsed by:

D.W. Heddle  
D.W. Heddle, P. Eng.

Approved for  
Release by:

W.T. Irvine  
W.T. Irvine, P. Eng.  
Manager, Exploration,  
Western District

DHLancaster/ld  
January 19th 1972

Distribution:

Mining Recorder, Cranbrook (2);  
Vancouver Exploration (1);  
Vancouver Administration;  
File.

CANADA ) STATUTORY DECLARATION RELATING TO  
PROVINCE OF BRITISH COLUMBIA ) EXPENDITURES ON A GEOCHEMICAL  
TO WIT: ) SURVEY OF CERTAIN MINERAL CLAIMS  
          ) LOCATED IN THE FORT STEELE MINING  
          ) DIVISION

I, DONALD HUGH LANCASTER, Exploration Technician, of the  
City of Kimberley, in the Province of British Columbia, DO  
SOLEMNLY DECLARE:

- 1) THAT I am the person who prepared a geochemical report as  
a result of surveys carried out on certain mineral claims by  
Cominco Ltd., owners of the said claims.
  
- 2) THAT copies of the said report are being filed with the  
District Mining Recorder.
  
- 3) THAT attached hereto and marked with a letter "A" upon  
which I have signed my name at the time of declaring hereof, is  
a statement of expenditures incurred in connection with the  
geochemical survey of the said claims.

AND I MAKE this solemn declaration conscientiously  
believing it to be true and knowing it is the same force and  
effect as if made under oath and by virtue of the Canada Evidence  
Act.

DECLARED BEFORE ME at the City of )  
Kimberley, in the Province of )  
British Columbia, this 2<sup>ND</sup> day )  
of FEBRUARY , A.D., 1972. )  
  
J. B. Butcliffe )  
A Commissioner for taking Affidavits )  
for the Province of British Columbia)

Donald H. Lancaster

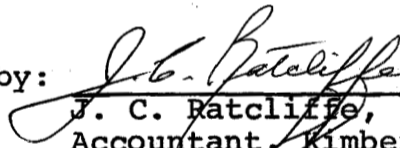
Geochemical Survey on the W.D. Group

STATEMENT OF EXPENDITURES:

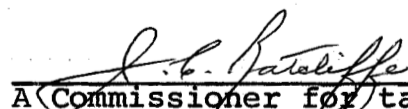
D.H. Lancaster, Exploration Technician;  
D. Hebert, Field Assistant

20 Man Days during the period June 21st to August 31st 1971, at \$25./day	\$ 500.
Room & Board - 20 Man Days @ \$7./Day	140.
Truck Rental - 10 days @ 15./Day	150.
Assays	277.
	<u>\$ 1,067.</u>

Endorsed by:

  
\_\_\_\_\_  
J. C. Ratcliffe,  
Accountant, Kimberley  
Operations.

This is Exhibit "A" to the Statutory  
Declaration of DONALD HUGH LANCASTER,  
declared before me the 2<sup>nd</sup> day of  
FEBRUARY, A.D., 1972.

  
\_\_\_\_\_  
A Commissioner for taking Affidavits  
for the Province of British Columbia

COMINCO LTD.  
Kimberley Exploration

STATEMENT OF QUALIFICATIONS

DONALD HUGH LANCASTER was responsible for conducting the geochemical surveys described herein. Lancaster is an Exploration Technician, and has been employed during the past six years in geological field work. I consider him a competent and experienced Exploration Technician.

D. W. Heddle  
D.W. Heddle, P. Eng.

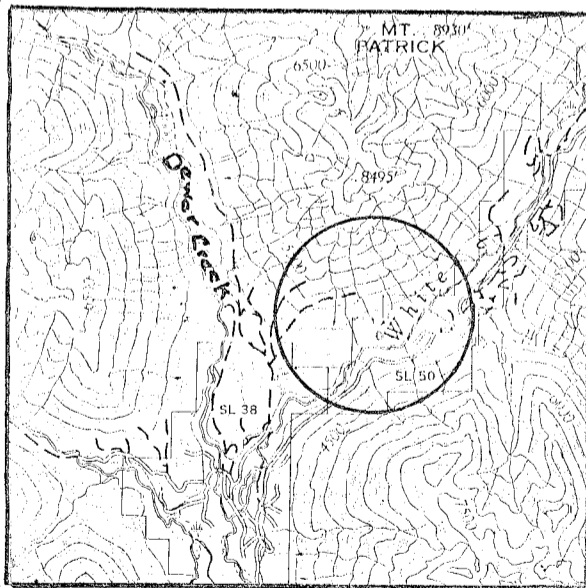
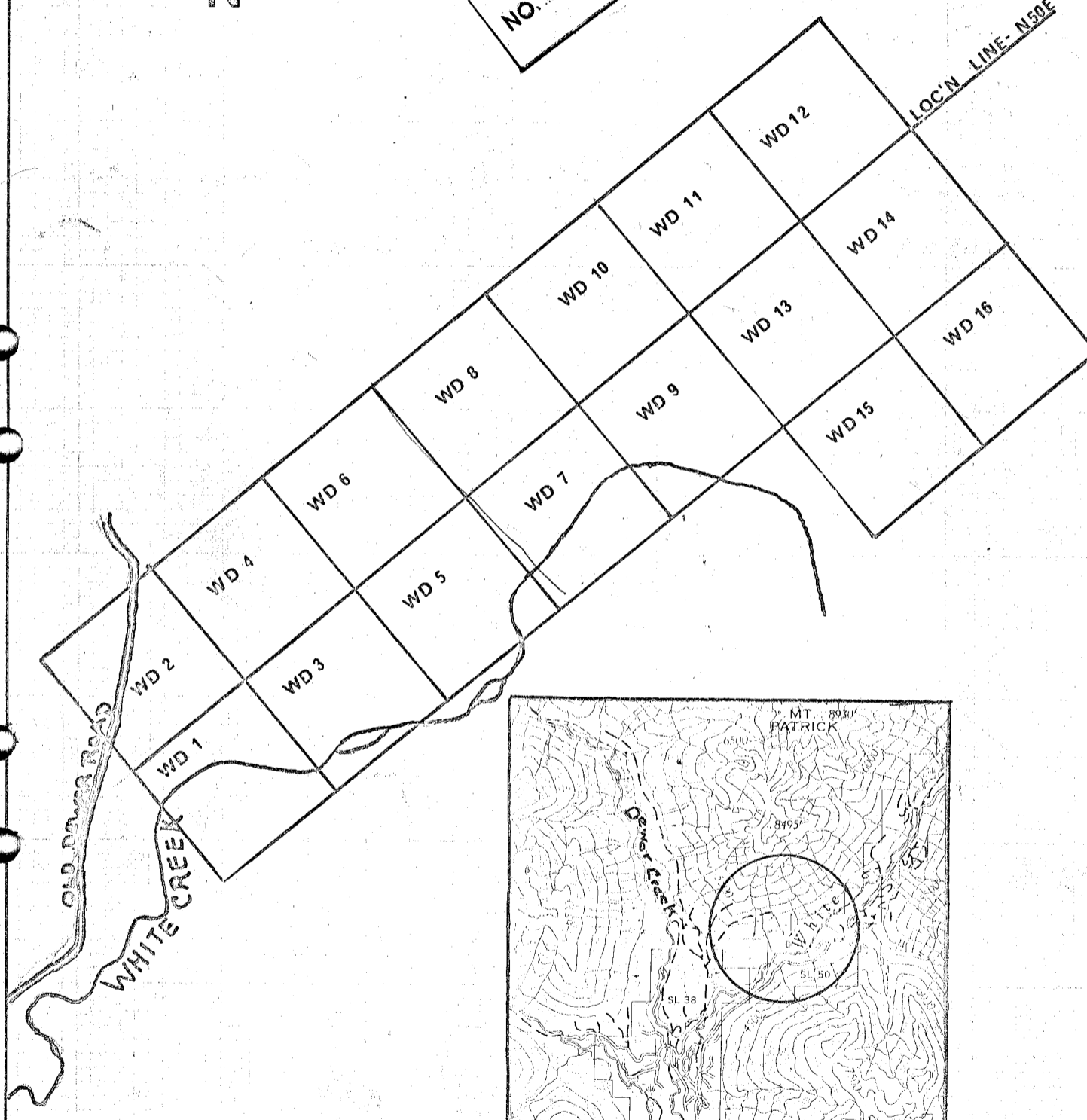
Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT

No. 3498

MAP #1



LOC'N LINE - N50E



RECORD NO.s W.D. 1-16 (incl.) - 17065-17080, respectively.  
TAG NO.s W.D. 1-16 (incl.) - 213919M - 213934M.



*Signed Don Lancaster*

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Revised by	Date	Revised by	Date

**WD GROUP  
LOCATION MAP**

NTS 82 F/9,16

Scale: 1" = 1500'

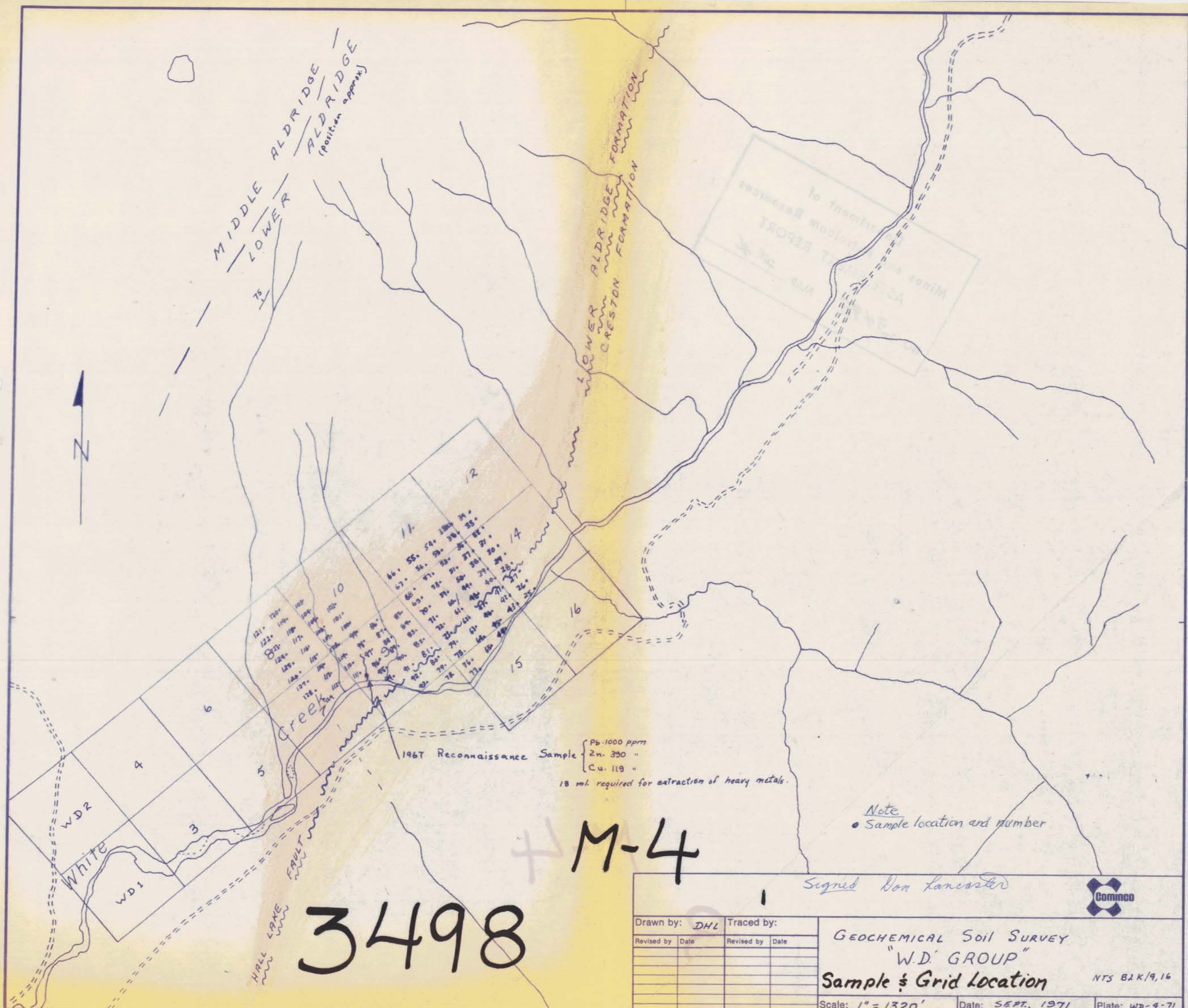
Date: June 22nd 1971

Plate: WD 1









Drawn by: <i>DHL</i>		Traced by:	
Revised by	Date	Revised by	Date
<b>GEOCHEMICAL SOIL SURVEY</b> <b>"W.D. GROUP"</b> <b>Sample &amp; Grid Location</b>			
Scale: 1" = 1320'		Date: SEPT, 1971	Plate: WD-4-71

Cominco

NTS B.L.K/9,16