

REPORT ON THE FOX CLAIM GROUP
BIG SALMON RIVER-STAKING SHEET 105E-15

SUMMARY-- On September 24th the author accompanied Dr. Douglas Craig, Resident Geologist, Department of Northern Affairs and Indian Development and Mr. and Mrs. Fred Scott, owners of the Fox Claim Group to a copper showing in the Semenoff Hills. The Trip was made by Bell Jet Ranger from Whitehorse and sponsored by Dr. Craig who asked the author to examine the property for Mr. and Mrs. Fred Scott.

PROPERTY - The Fox Group were staked in August and consist of 24 claims and are held by Fred and Martha Scott of Whitehorse.

LOCATION - The claims are located in the Semenoff Hills on the west side of the Big Salmon River some 75 miles northeast of Whitehorse at Latitude 61 degrees 47', Longitude 134 degrees 42', Staking Sheet 105E-15. The property is accessible by helicopter.

TOPOGRAPHY - The area is typically mountainous with elevations varying from 2,000 to 3,200 feet on the property. The property is entirely tree covered. The creek running through the property is narrow and steep sided with good outcrop exposure.

HISTORY-- No known work has been done in the area for lode deposits.

GENERAL GEOLOGY - The geology of the area is shown on Map 372A, Laberge Sheet, issued 1936.

The claim group is underlain by massive, fine grained to crystalline limestone which is buff brown on a fresh and weathered surface. Minor argillaceous limestone occurs which exhibits bedding and is from grey to grey black in color.

The rocks strike N10 degrees east and dip from 50 to 65 degrees South.

The massive limestone is well jointed and fractured. These rocks belong to the Lewes River Series and are Upper Triassic in age.

MINERALIZATION - A stockwork of calcite veinlets cuts the massive limestone and an occasional veinlet contains chalcopyrite and bornite. Azurite and malachite were noted on a few fracture faces.

UPDATED - APRIL/73

Property Name: CommonSEMENOF

Other

Location: Lat. 61°46'

Long. 134°44'

NTS

105E/15

Metals: Major Copper, goldMinor SilverType of Mineral Deposit: VeinHistory and Previous Work:

Staked as Fox cls (Y54329) July, 1970, by F. Smith and as Pet claims (Y61212) June /71 by John McGundy, who did only minor hand trenching and prospecting. The Axe claims (Y58247) were tied on to the northeast in Aug/70 by J. Shorty and restaked as Sem cls (Y66823) in June/72 by P. Sevensma. This area was explored in 1972 by United Keno Exploration (a joint venture between United Keno Hill ML, Falconbridge Nickel ML and Canadian Superior EL) by detailed soil sampling and mapping but no claims were staked.

Description:

A fracture zone about 50 feet long and 5 feet wide cuts limestone and argillite of the Triassic Lewes River Group. Bornite in small masses and veinlets is found in recemented breccia in the fault zone. A chip sample across 5 ft assayed 1.2% Cu, 0.15 oz/ton Ag and 0.8 oz/ton Ag.

A small area of disseminated chalcopyrite and pyrite was found in basaltic volcanics one mile to the north by United Keno. Thirteen grab samples of the best mineralization returned 0.01 to 1.77% Cu and 0.10 to 0.66 oz/ton Ag.

References:

PRODUCT
PRODUIT

COPPER

PROVINCE OR
TERRITORY PROVINCE OU
TERRITOIRE

Yukon

N.T.S. AREA 105 E/15
RÉGION DU S.N.R.C.

REF. CU 1
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

SEMENOF

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 61°46'
Lat.

Long. 134°44'
Long.

Mining Division Whitehorse
Division minière

District
District

County
Comté

Township or Parish
Canton ou paroisse

Lot
Lot

Concession or Range
Concession ou rang

Sec
Sect.

Tp.
Ct.

R.
R.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

Small masses and veinlets of bornite occur in recemented breccia of a fracture zone, about 50' long x 5' wide, that cuts limestone and argillite of the Triassic Lewis River Group. A chip sample assayed 1.2% Cu, 0.15 oz/ton Ag and 0.8 oz/ton Au across 5 feet.

HISTORY OF EXPLORATION AND DEVELOPMENT
HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

Copper mineralization occurs in this area near Big Salmon River about 80 km SE of Carmacks. The FOX and PET claims were staked here in 1971 by F. Smith and John McGundy respectively. Minor hand trenching and prospecting was done at this time. In 1972 United Keno Explorations did soil sampling and mapping but staked no claims.

0124-92260
 TN27.48
 C4
 B5

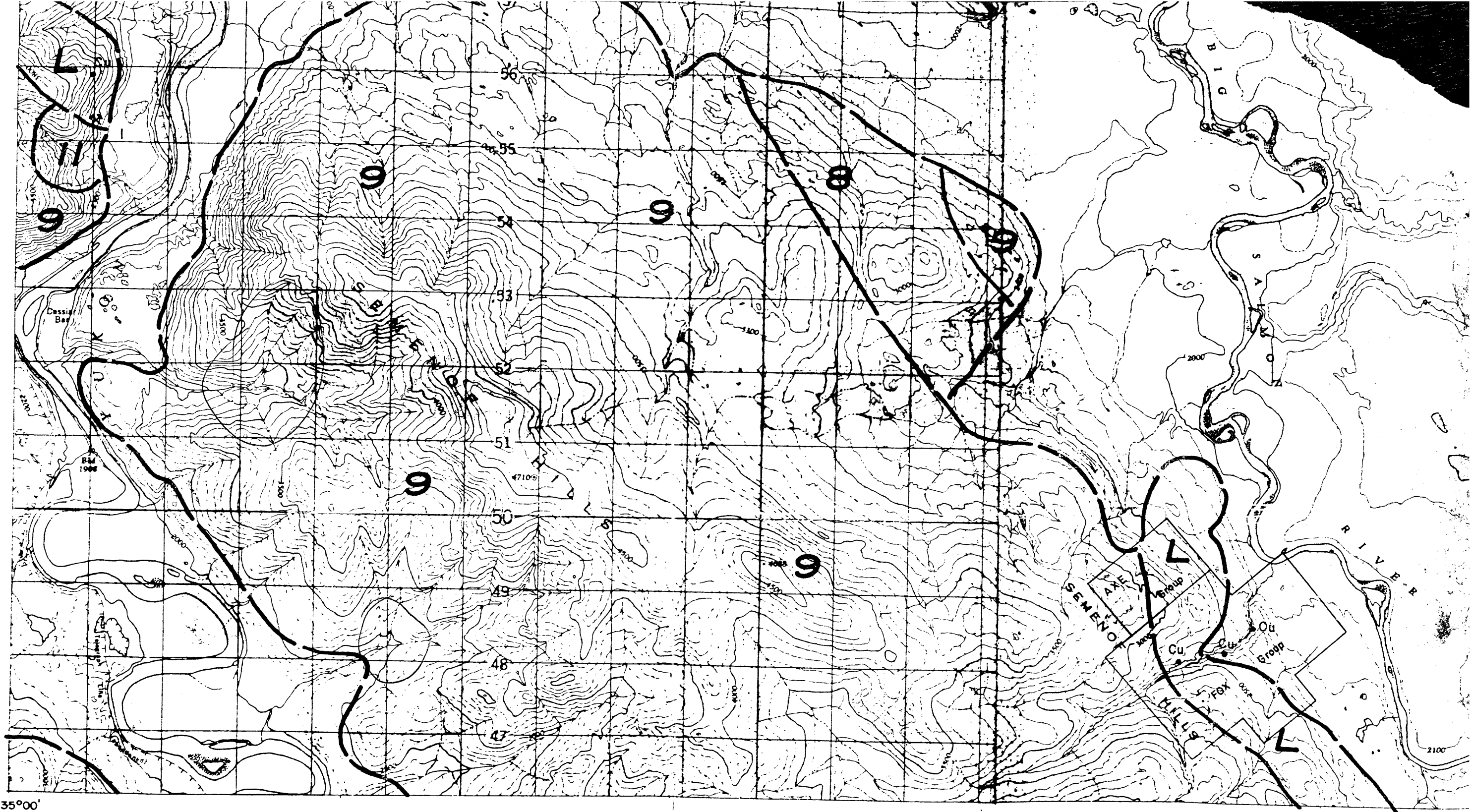
GEOLOGICAL LEGEND

1971 PROJECT

	INTRUSIVES		VOLCANICS	SEDIMENTS	METAMORPHICS
	Acid	Basic-ultrabasic			
CENOZOIC	14		13 <i>Includes SELKIRK and CARMACKS GROUPS</i>	12	
MESOZOIC	11 <i>Includes COAST INTRUSIVES</i>	10	9 <i>Includes MT. NANSEN and HUTSHI GROUPS</i>	8	7
PALEOZOIC			6 <i>Includes ANVIL GROUP minor metamorphics</i>	5	4
PRECAMBRIAN	3	2			1 <i>Includes YUKON GROUP</i>
VARIOUS AGES				L <i>Limestone, minor dolomite</i>	

NOTE: Geology generalized. Correlation has been attempted between similar units of each sheet. For details of structure and units, see G.S.C. geology sheets (1" = 4 miles).

- 2 ✕ assay location
- RB39R4 ○ rock sample location and number
- traverse route



61°45'
135°00'

UNITED KENO HILL MINES LTD.
EXPLORATION DEPARTMENT WHITEHORSE, Y.T.

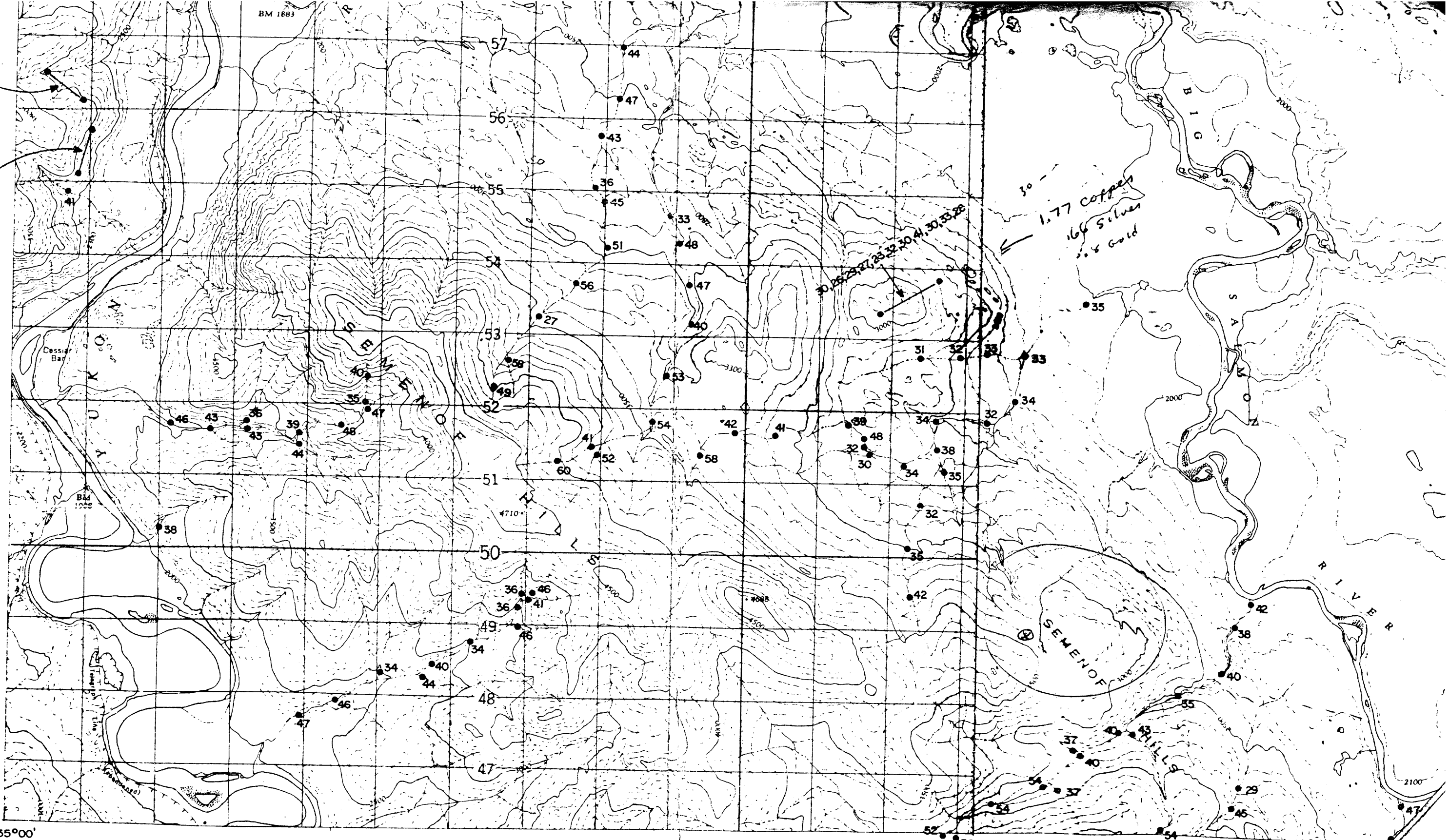
BIG SALMON
GEOLOGY

DIAND - YUKON REGION, LIBRARY

35
52
48
20
40
32
24
34

37
40
47
39
47
39
27

61°45'
135°00'



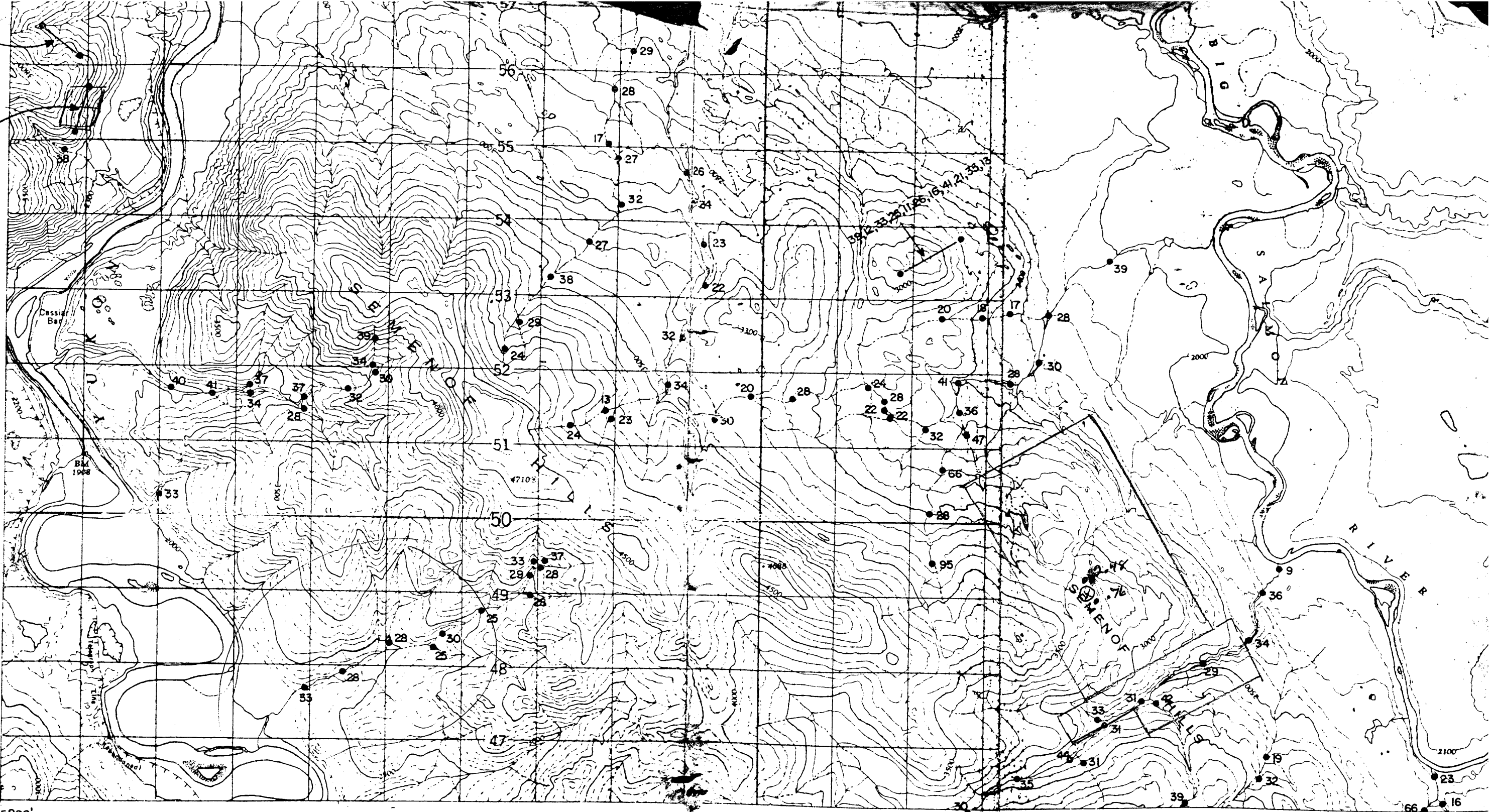
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EXPLORATION DEPARTMENT WHITEHORSE, Y.T.

BIG SALMON
SILT and SOIL SAMPLING 1971, ppm ZINC

35
115
100
24
49
37
17
24

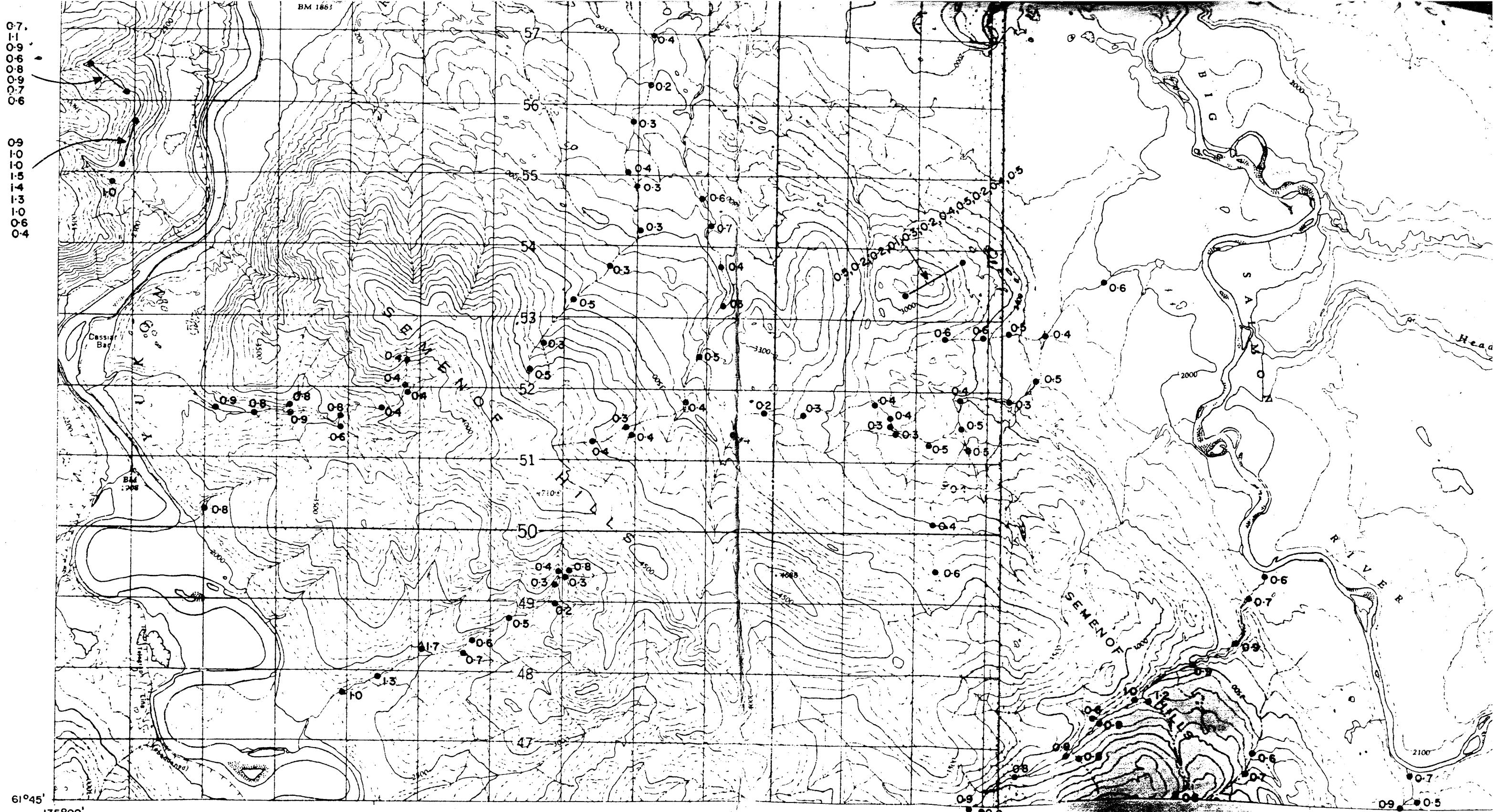
58
34
46
105
170
200
62
25
20

61°45'
135°00'



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BIG SALMON
SILT and SOIL SAMPLING 1971, ppm COPPER



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BIG SALMON
SILT and SOIL SAMPLING 1971, ppm SILVER

