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PROPERTY SUBMITTAL

By

OREQUEST SYNDICATE

on

REPORT ON THE HYLAND RIVER CLAIMS

Watson Lake Mining District

Yukon Territory

N.T.S. 105-A-9

Latitude : $60^{\circ}34'N$

Longitude : $128^{\circ}4'W$

Field Work done by

R. Wares, Field Geologist

from June - Aug. 1974

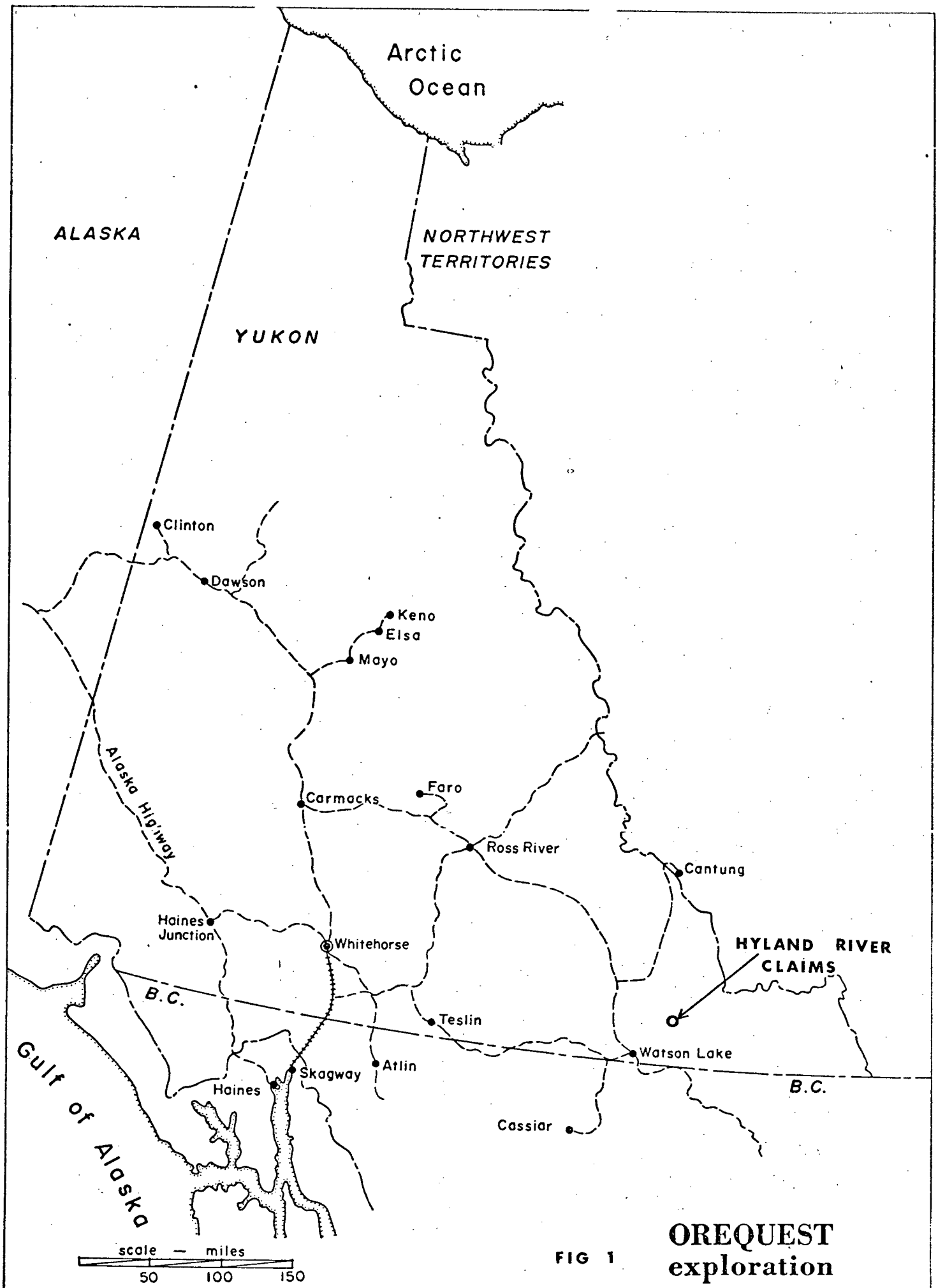
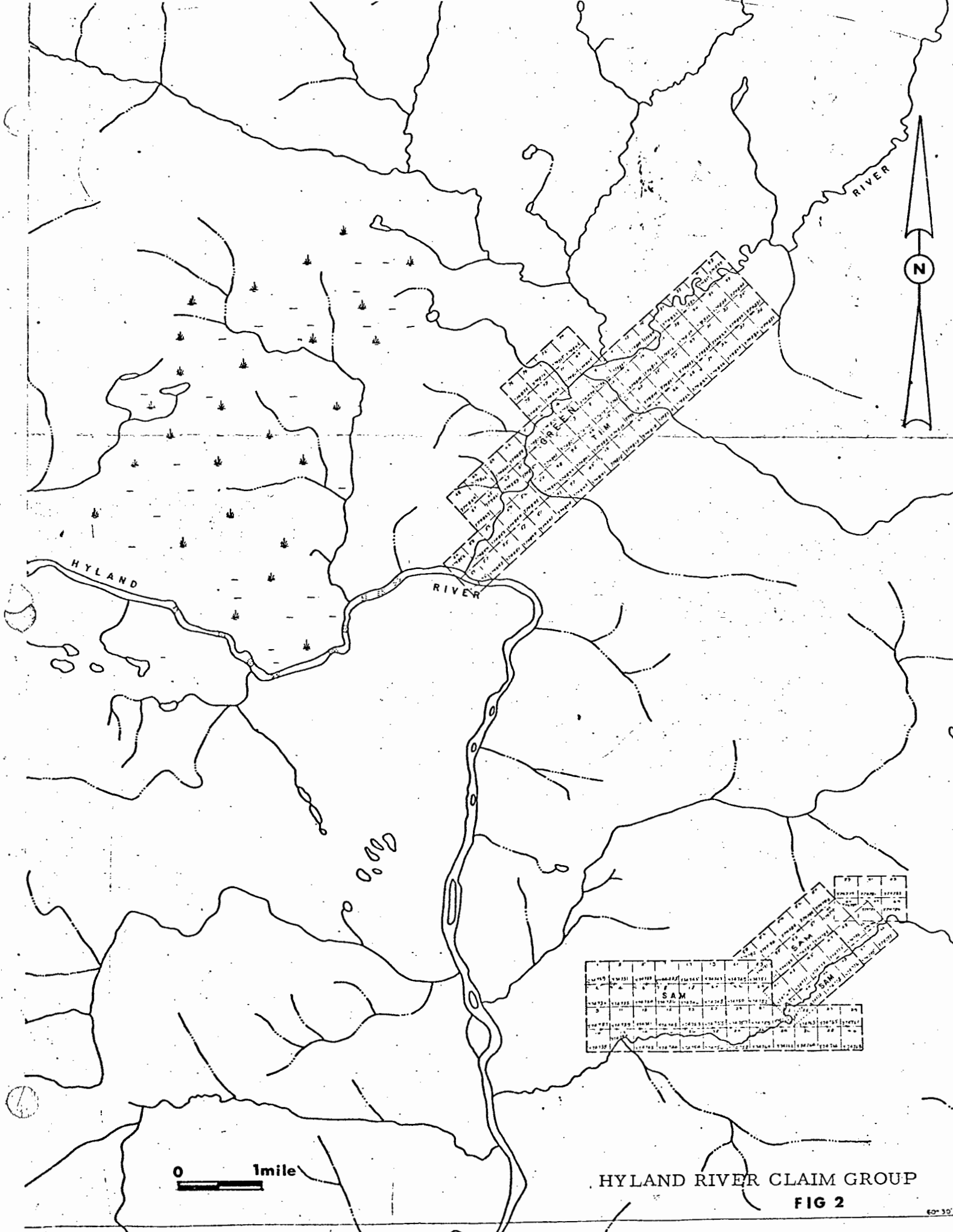


FIG 1

OREQUEST
exploration



0 1mile

HYLAND RIVER CLAIM GROUP
FIG 2

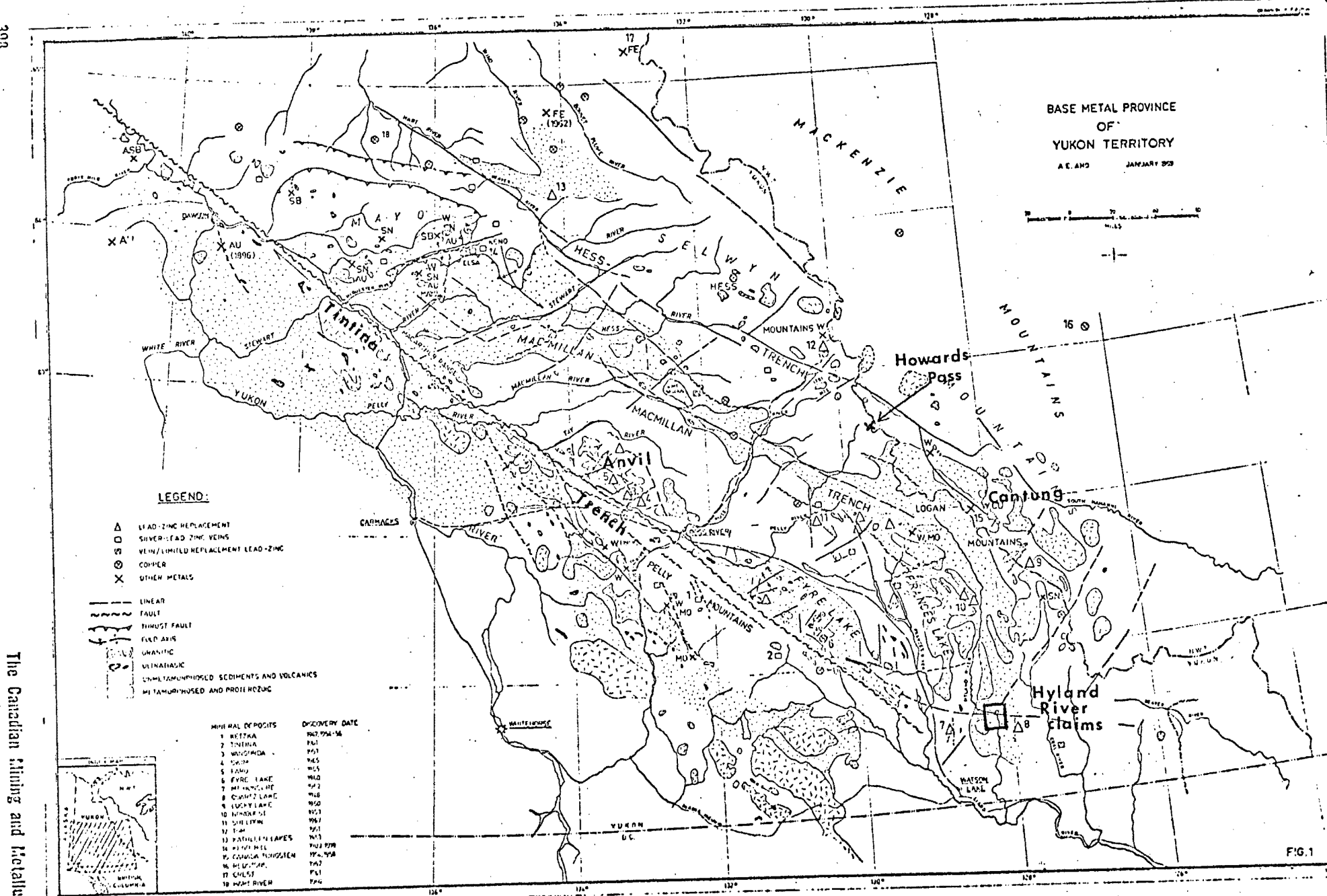


Figure 1.—Base Metal Province of Yukon.

5. SUMMARY

The Hyland River prospecting was directed at an investigation of the potential of a belt of Cambro-Ordovician sediments. The most prominent rock type is a grey calcareous phyllite with minor siltstones and black shales and carbonates.

The structure of the area is essentially that of a cross folded inclined synform with easterly dipping fold limbs and a sub-horizontal north trending fold axis. The axial plane dips from 30° to 60° to the east.

Soil, silt and rock chip sampling did not indicate a strong economic potential. The values of zinc were within the background values of zinc in such an environment. The ubiquitous white coating on the black shales appears to consist primarily of gypsum and calcite and was not indicative of fine grained sphalerite present in any economic amount.

The targets sought were zinc bearing ones in shales flanking carbonate reefs though the basin shales that have economic potential may be some distance from the reef environment. The geological information does not indicate a nearby reef environment.

The rare chalcocite and tetrahedrite noted in the east trending dilatant gashes are of minor interest. The concentration of these tension gashes is low and is restricted to the arenaceous units. The veins are narrow and discontinuous and probably represent material concentrated in the gashes from the nearby black shale units.

CONCLUSIONS

1. The Hyland River claims were staked to cover a promising shale environment in Cambro-Ordovician strata.

2. Soil, silt and rock chip sampling did not indicate a distinct economic potential in the area examined, though, on the basis of the known distribution of mineral deposits, the Hyland River belt is by no

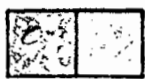
Conclusions (cont'd.)

means eliminated as being of no economic interest.

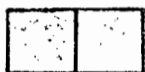
3. The low probability of success with soil and silt geo-chemistry renders conventional prospecting inappropriate and, on this basis, no further work is recommended for the Sam and Tim claims.

R. Wares

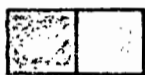
LEGEND



1a grey, calcareous phyllite
b blue-grey chloritic phyllite



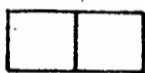
1c graphitic slate/shales



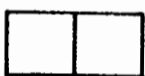
1d sandy shales



1e lithic greywacke

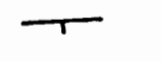


1f blue-black fine-grained limestone

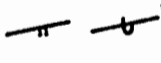


1g lithic tuff(?) - not divided into a unit

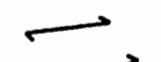
(units in brackets are minor part of unit)



bedding



bedding, "tops" identified, overturned



cleavage



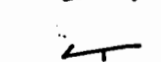
cleavage pattern



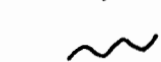
lineation



minor fold



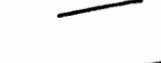
axial plane



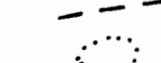
fault



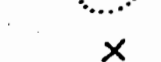
contact



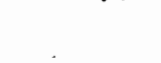
" - inferred



outcrop

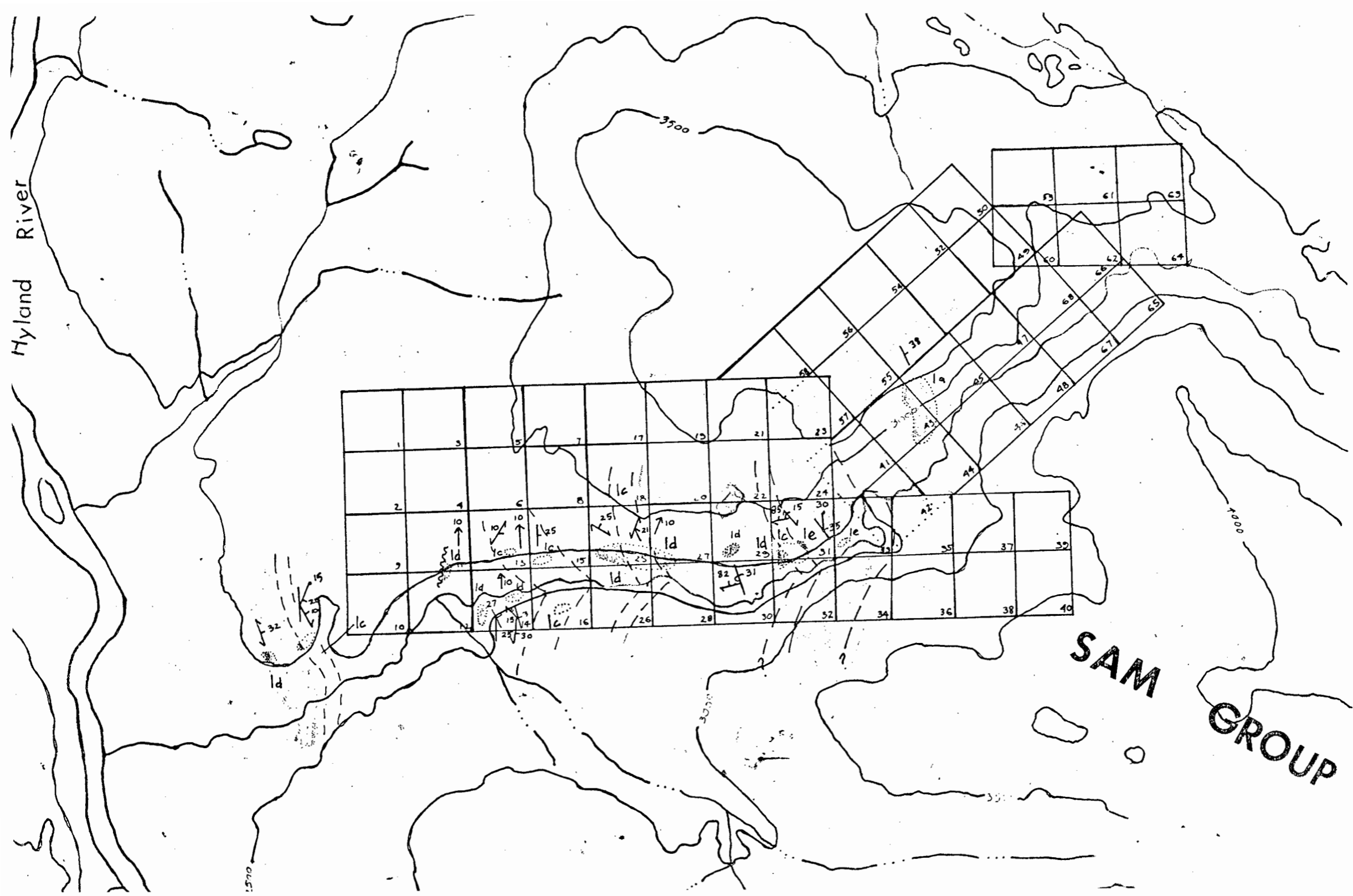


small outcrop

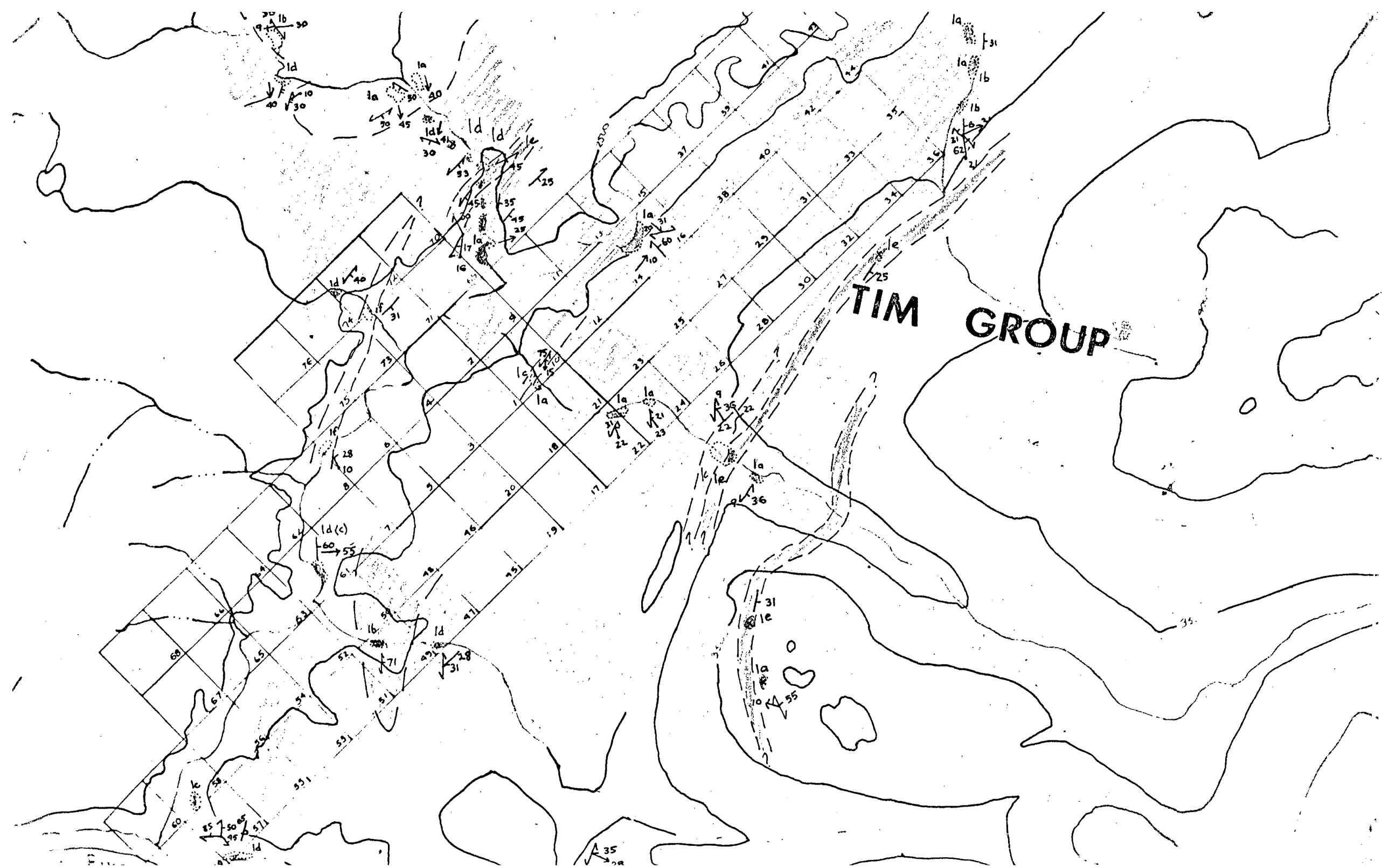


Handwritten notes on the left margin, including a large bracket and the number '525' at the bottom.

Hyland River



**SAM
GROUP**

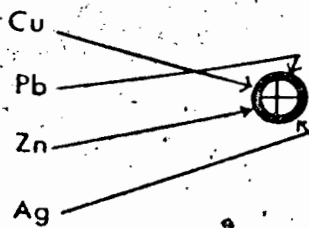


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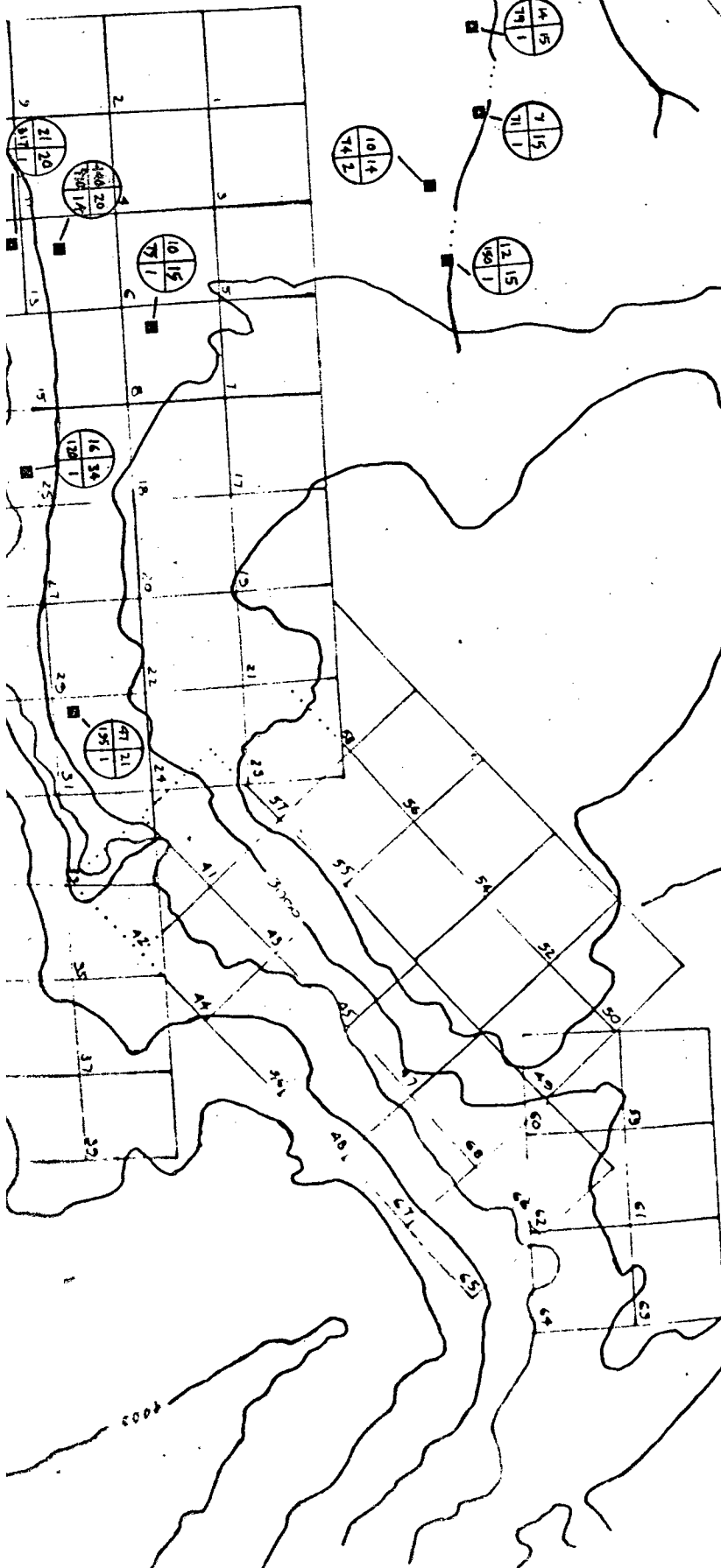
LEGEND

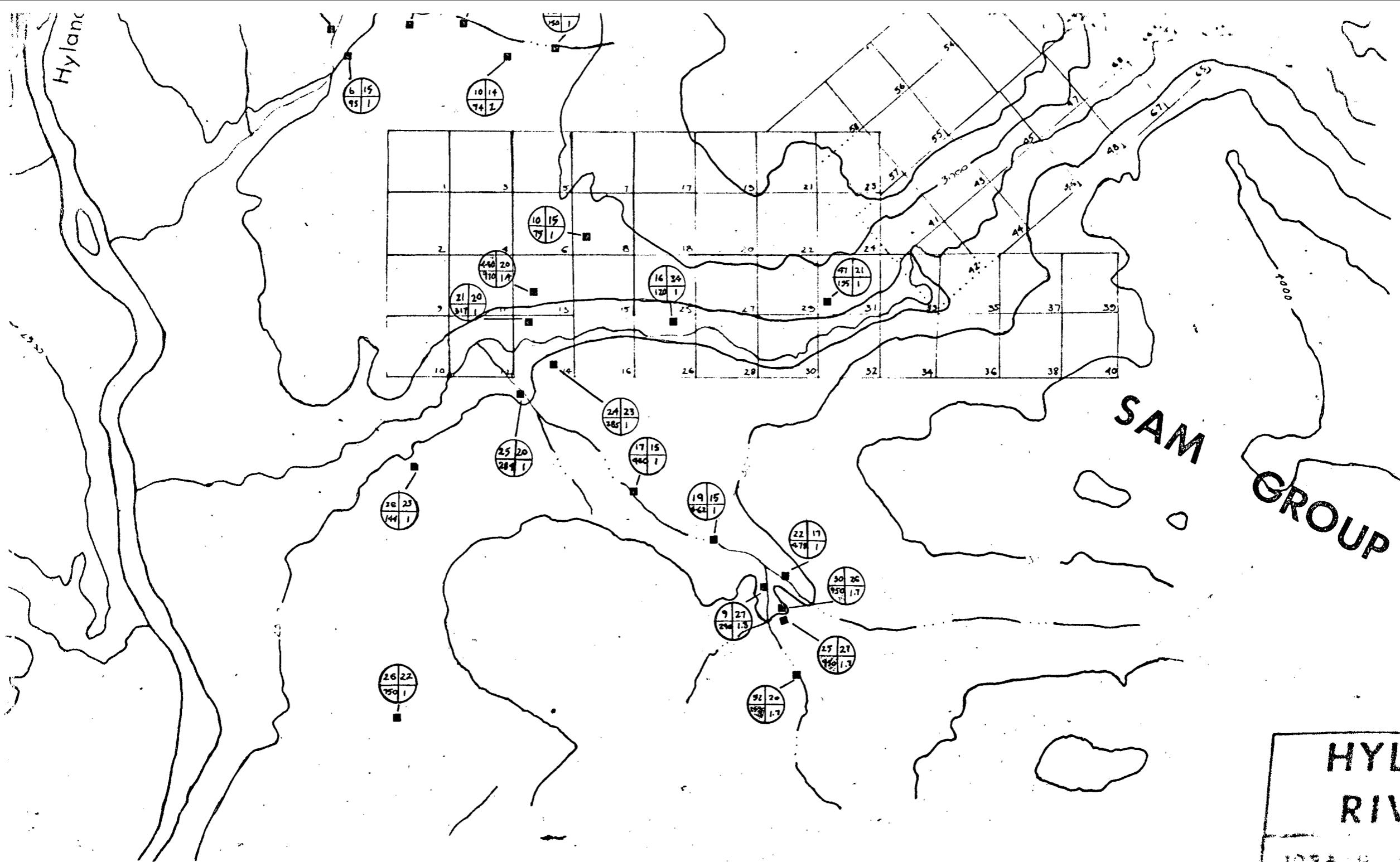
- silt sample
- + soil sample

Elem



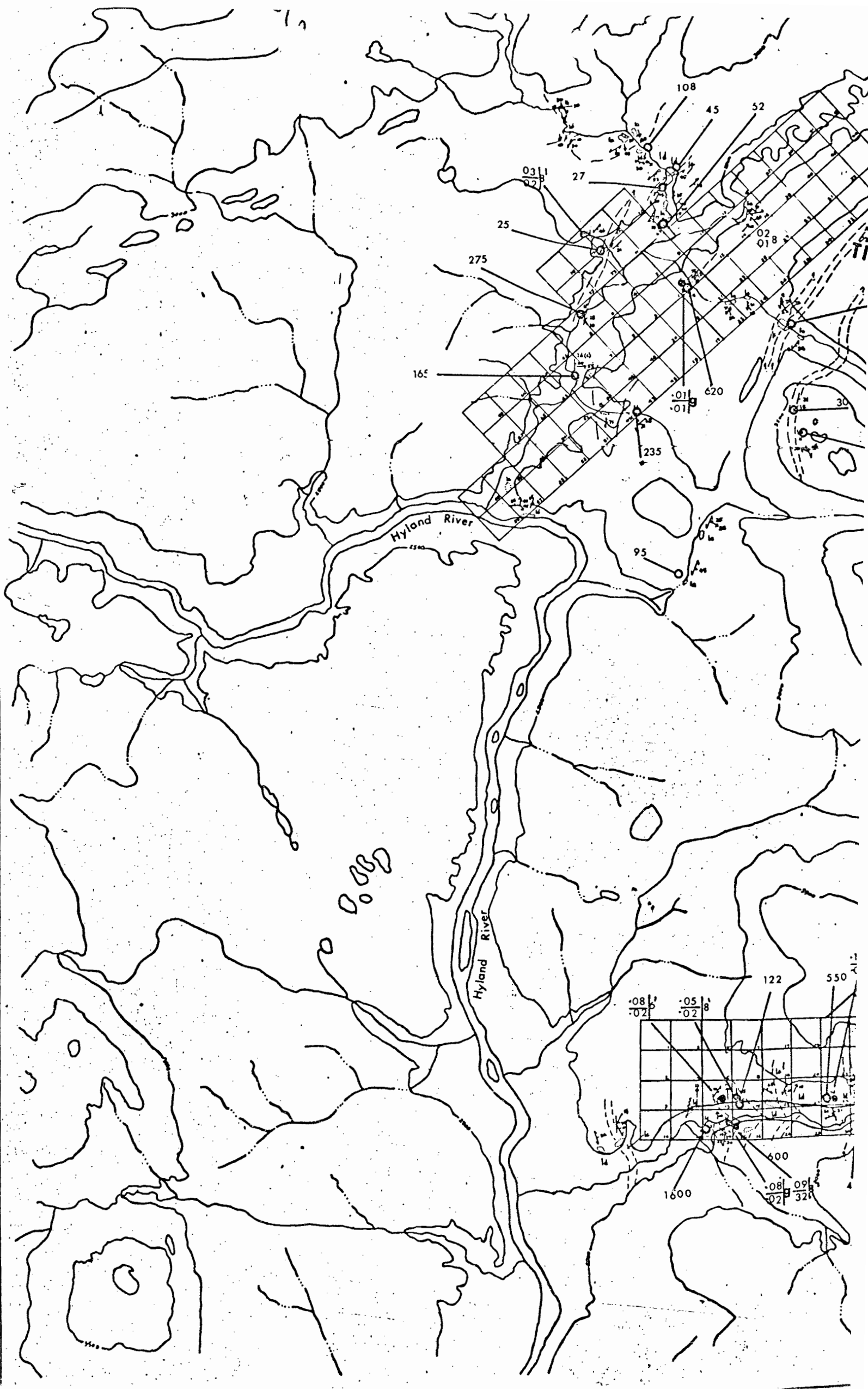
Hyland River























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






LEGEND

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- (units in brackets are minor part of unit)
-  bedding
 -  bedding, tops identified, overturned
 -  cleavage
 -  cleavage pattern
 -  lineation
 -  minor fold
 -  axial plane
 -  fault
 -  contact
 -  -inferred
 -  outcrop
 -  small outcrop

ROCK SAMPLE DATA

-  670 geochemical sample (ppm zinc)
-  assay sample
-  % Zn
-  % Pb
-  width (g-grab sample)

HYLAND RIVER	GEOLOGY	OREQUE