

78-#50-# 6666

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~~PART~~
~~Two~~

**DRIFTPILE LEAD/ZINC DISTRICT
GATAGA JOINT VENTURE**

PART TWO

FIGURES REFERRED TO IN TEXT (PART ONE)

ASSESSMENT REPORT

Regional Geological Survey

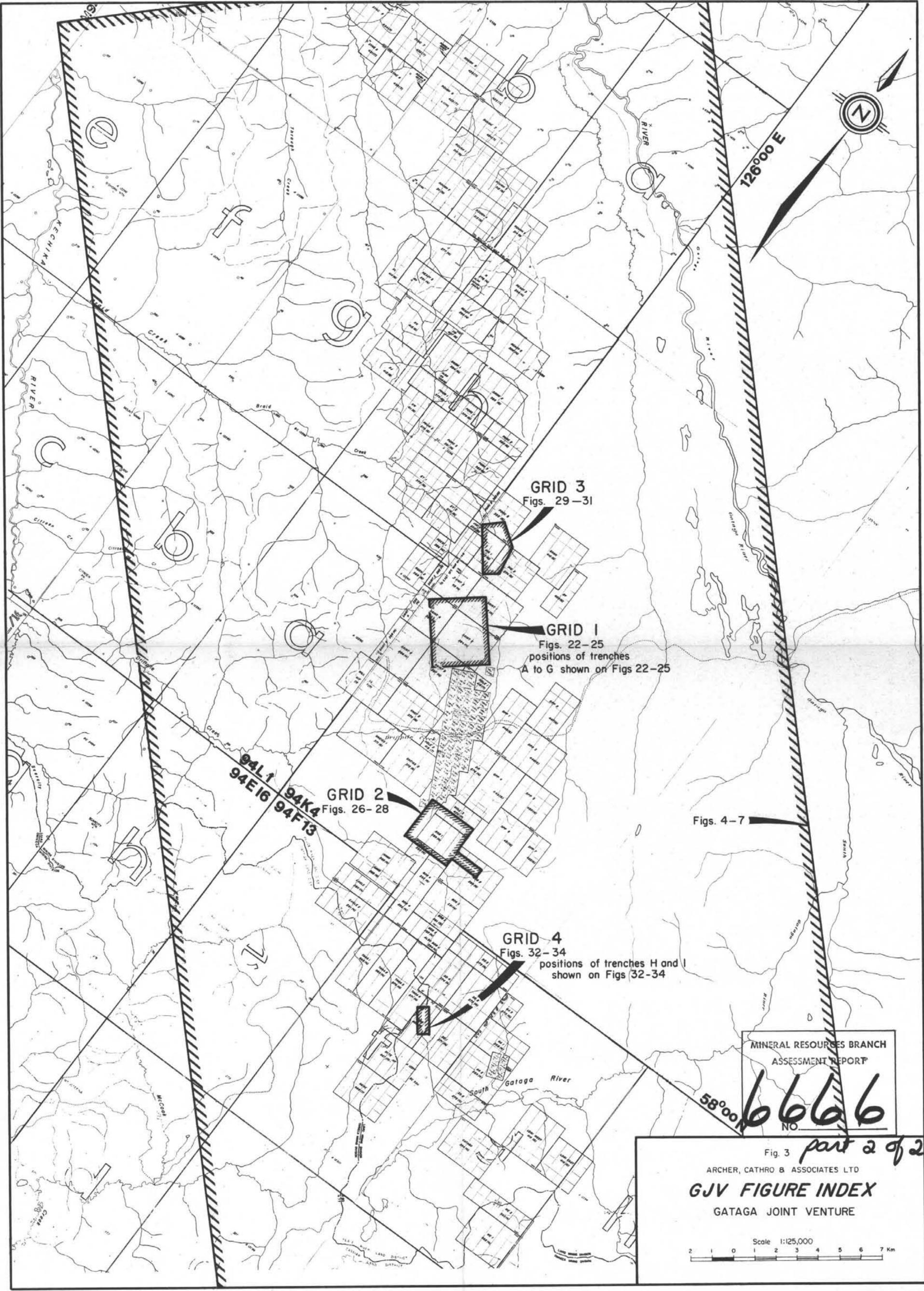
and

Property Geological and Geochemical Survey

R.J. Cathro, B.A.Sc., P. Eng.

R.C. Carne, B.Sc.

February 8, 1978



GRID 3
Figs. 29-31

GRID 1
Figs. 22-25
positions of trenches
A to G shown on Figs 22-25

GRID 2
Figs. 26-28

GRID 4
Figs. 32-34
positions of trenches H and I
shown on Figs 32-34

Figs. 4-7

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Fig. 3 *part 2 of 2*

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GJV FIGURE INDEX

GATAGA JOINT VENTURE

Scale 1:125,000



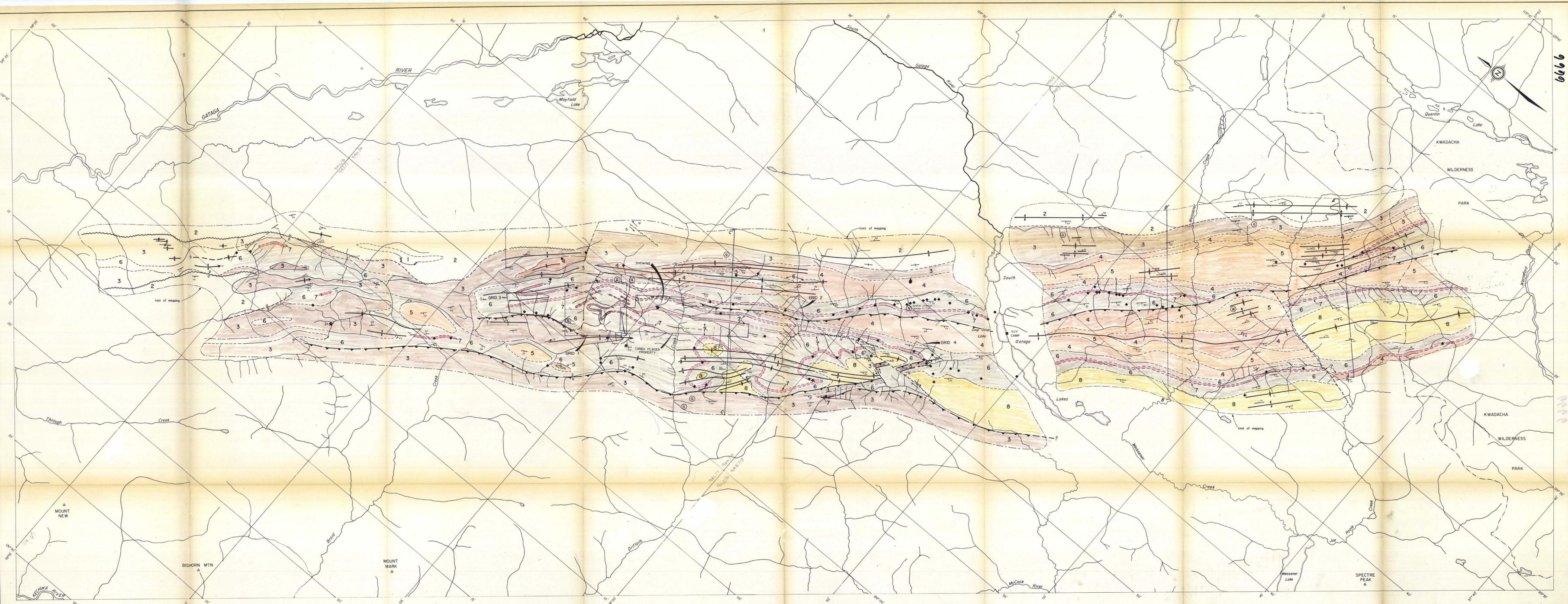


TABLE OF FORMATIONS

MISSISSIPPIAN or YOUNGER
 GNIP GNOF FORMATION (UNOFFICIAL NAME - IMPERIAL Fm EQUIVALENT)
 CHERT and FELDSPATHIC GREYWACKE
 SILTSTONE - in part calcareous, minor argillaceous claystone with a trace of sand
 UNCONFORMITY
 MIDDLE DEVONIAN to MISSISSIPPIAN ?
 GUNSTEEL FORMATION (CANCL. Fm EQUIVALENT)
 SHALE - black shaly to pale grey weathering; sandy siliceous and non-calcareous, silty in upper layers common in lower part. LIGHT T is a massive layer up to about 30 cm thick of sandstone to well laminated to thick bedded barite and barite shale. This unit is slightly more siliceous than the underlying shale and is partly and locally interbedded with green and light-grey

CAMBRIAN to LOWER DEVONIAN ?
 ROAD RIVER FORMATION and KECHKA GROUP (undivided)
 ROAD RIVER FM. - black granular shale, calcareous mudstone, occasional black thin bedded; buff to tan weathering calcareous shales
 KECHKA GROUP - argillaceous limestone, calcareous shale

LOWER CAMBRIAN
 ATAN GROUP
 2
 1

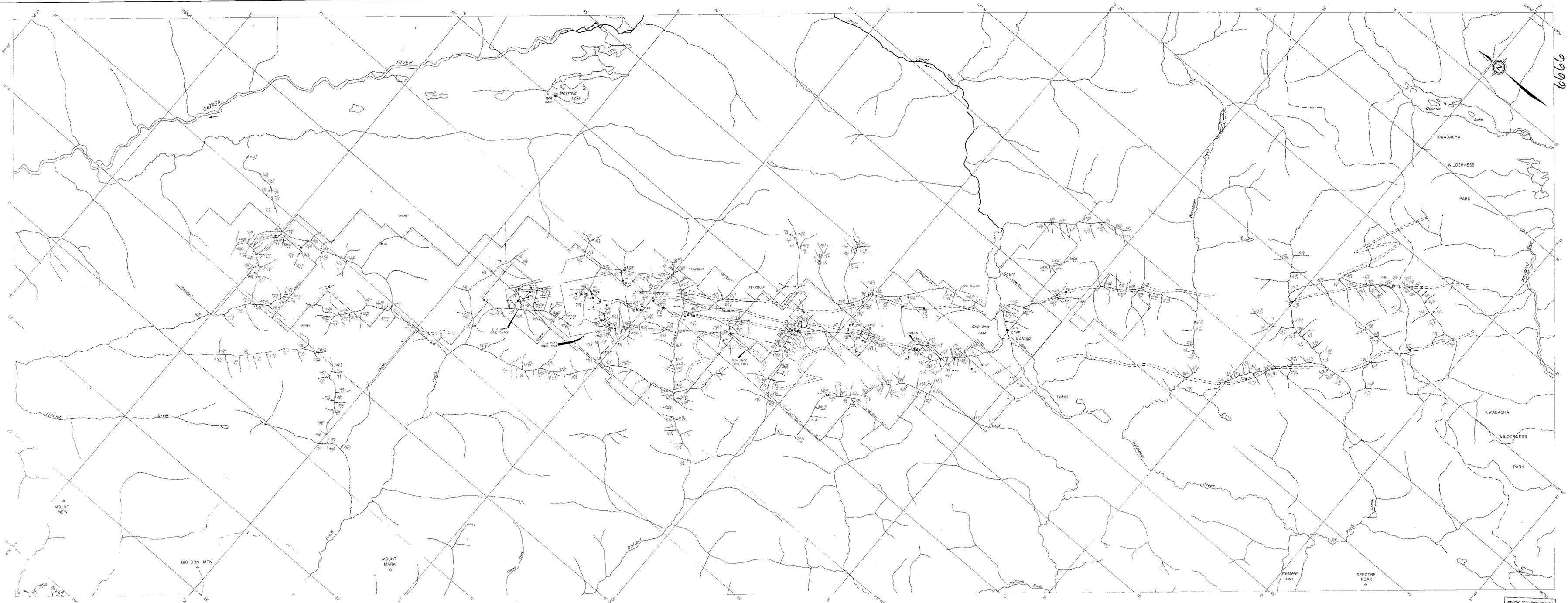
LIMESTONE - grey to tan weathering light grey, mostly thin bedded to massive; slightly sandy, microporphyritic with regular submillimetric minor pore weathering abundant and pale grey to brown, silty sandstone with 5% tabular hematite.
 QUARTZITE - buff brown weathering; white, well sorted and non-calcareous; minor grey to green shale and calcareous shale.

LEGEND

- thrust fault
- normal fault
- anticline with direction of plunge
- syncline with direction of plunge
- bedding - inclined, vertical, horizontal
- geological contact - mapped, inferred
- gneiss - prominent outcrop to reddish black basic gneiss, or ferriferous deposit, length varies from 10m to 1000m
- fossil location - granitic, wood fragments, rounded
- location of cross section 1 in text

FIG. 4
 ARCHER, CATIRO & ASSOCIATES LTD
GEOLOGY
 GATAGA JOINT VENTURE
 SCALE - 1:50,000
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FIG 5

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WATER GEOCHEMISTRY

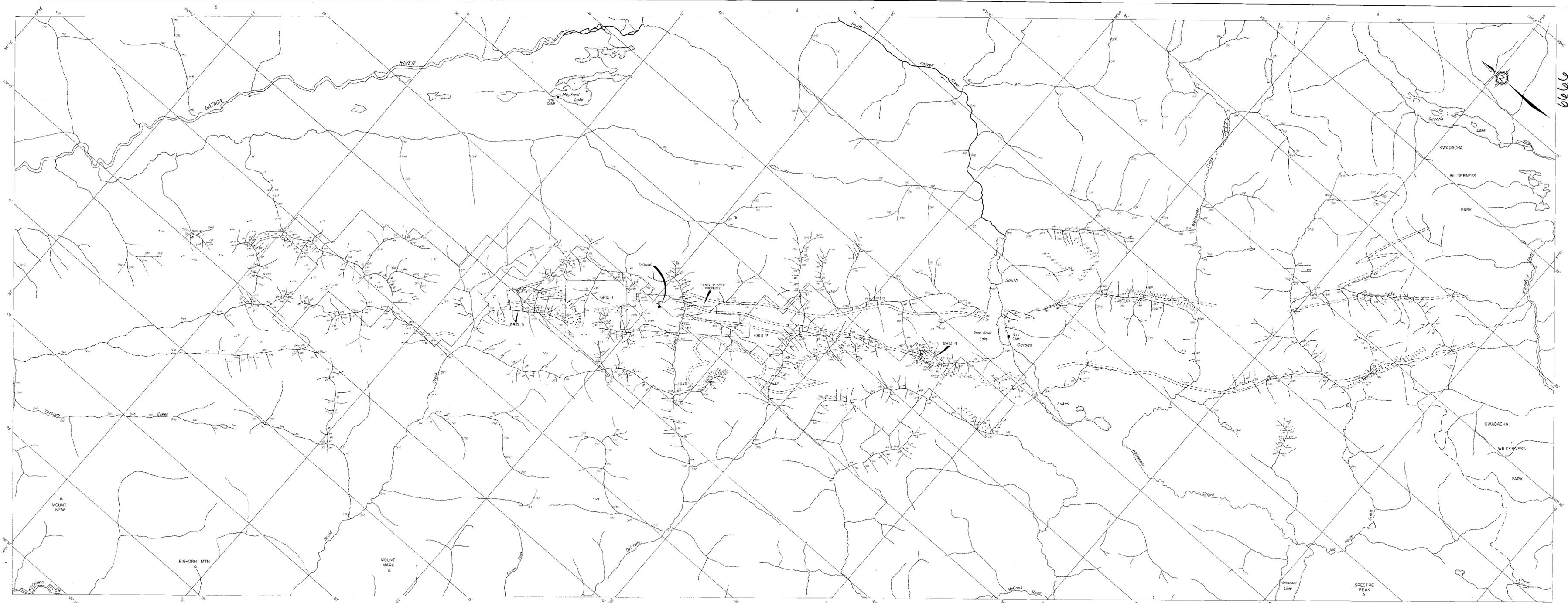
GATAGA JOINT VENTURE

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SCALE - 1:50,000



Geology from Census, 1985 Ltd, North Vancouver, BC
 using aerial photography, topography and APSC/MSR reconnaissance.



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- LEGEND**
- 10' contour
 - 20' contour
 - 50' contour
 - 100' contour
 - 200' contour by Geomatics E.L.
 - approximate curve of G.V. zone
 - approximate surface trace of basic horizon

Align in zone 21 of Canada Zone 18, North West zone, B.C. by strom absorption transmission of a fine section extraction of a minus 80 mesh fraction

FIG. 6
 GARDNER, CATHRO & ASSOCIATES LTD.
ZINC GEOCHEMISTRY
 GATAGA JOINT VENTURE *part 2 of 2*
 SCALE = 1:50,000

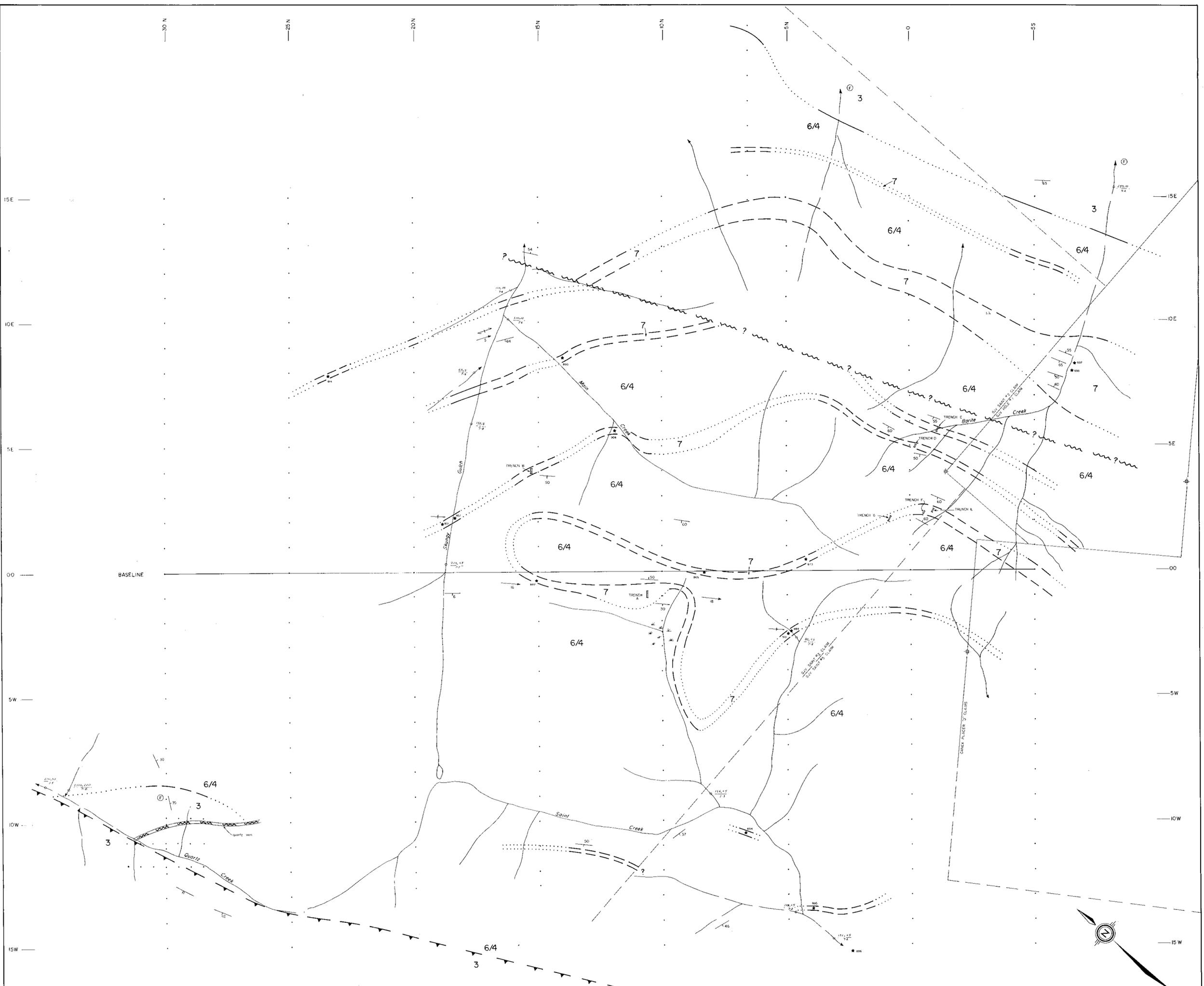


TABLE OF FORMATIONS

- MIDDLE DEVONIAN TO MISSISSIPPIAN**
- GUNSTEEL FORMATION**
- 7 Siliceous and ferric black shale containing bedded and blocky boulders; carbonate with abundant spongy-lead-iron mineralization or Coles Ponds's Driftlike Green property
 - 6/4 Silty grey weathering, siliceous non-silty black shale (unit 6) and silty, moderately siliceous black shale (unit 4)
- CAMBRIAN TO LOWER DEVONIAN**
- ROAD RIVER FORMATION AND KECHIKA GROUP (undivided)**
- 3 ROAD RIVER FORMATION - blocky, argillaceous, shaly, calcareous micaceous and occasional block-bed limestone, buff to tan weathering, calcareous siltstone
 - KECHIKA GROUP - argillaceous limestone and calcareous shale

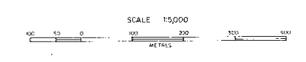
Note: Unit numbers correspond to legend or Fig.

LEGEND

- ★₂₀₆ basic specimen analyzed for Pb, Zn, Ba, Sr, Fe, Mn
- ⊕ argillaceous locality
- bedding with dip, moderate dip
- cleavage with dip
- minor fold axis with plunge
- normal fault
- thrust fault
- wedge contact
- offset contact
- assumed contact
- water sample

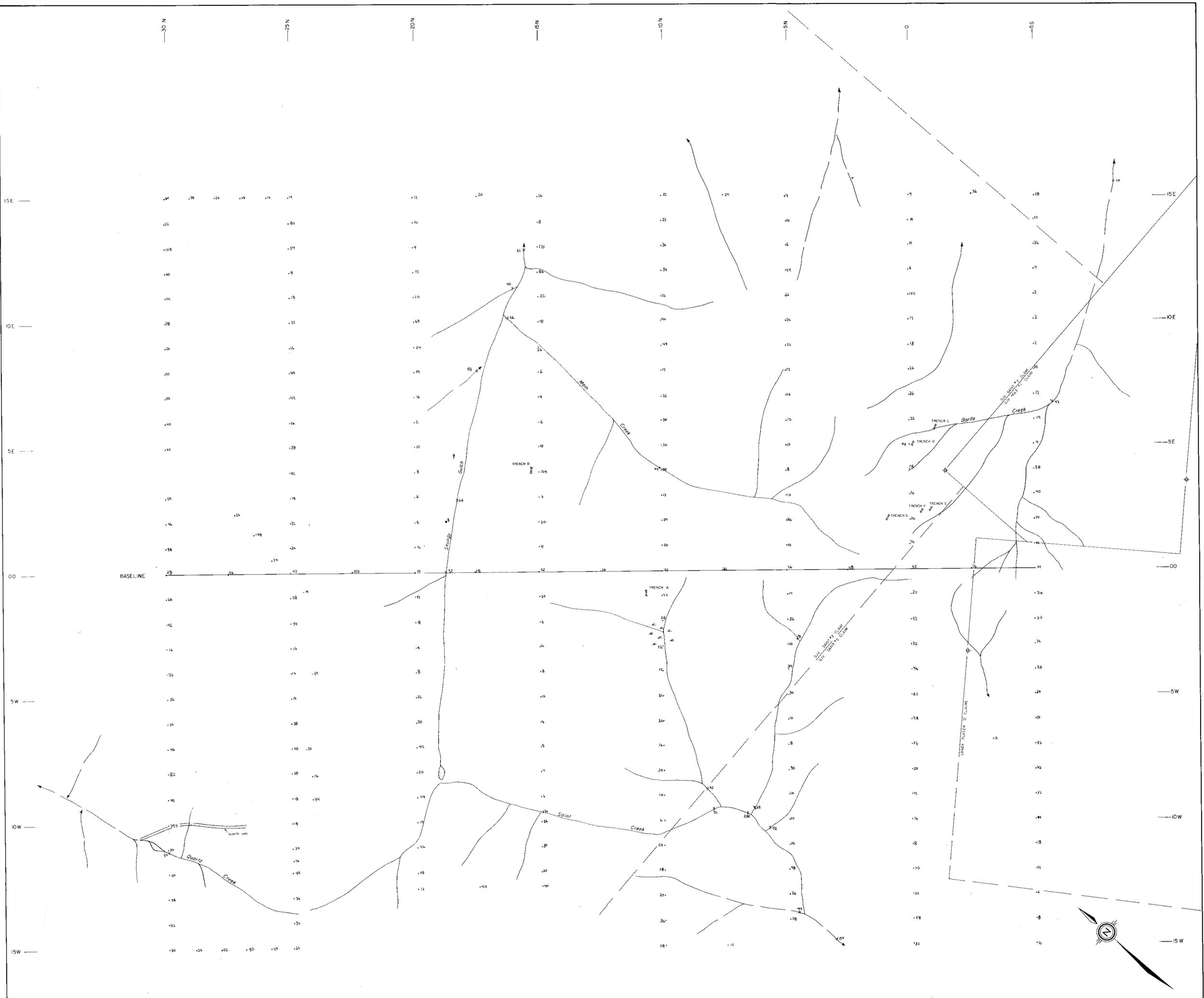
Stratigraphy from Crosson Lab L-14, York University, H.C. using atomic absorption spectrometry and APCC/APBA preconcentration

Fig. 22
ARCHER, CATRO & ASSOCIATES LTD.
GEOLOGY and WATER GEOCHEMISTRY
GRID I-SAINT CLAIMS
GATAGA JOINT VENTURE



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LEGEND

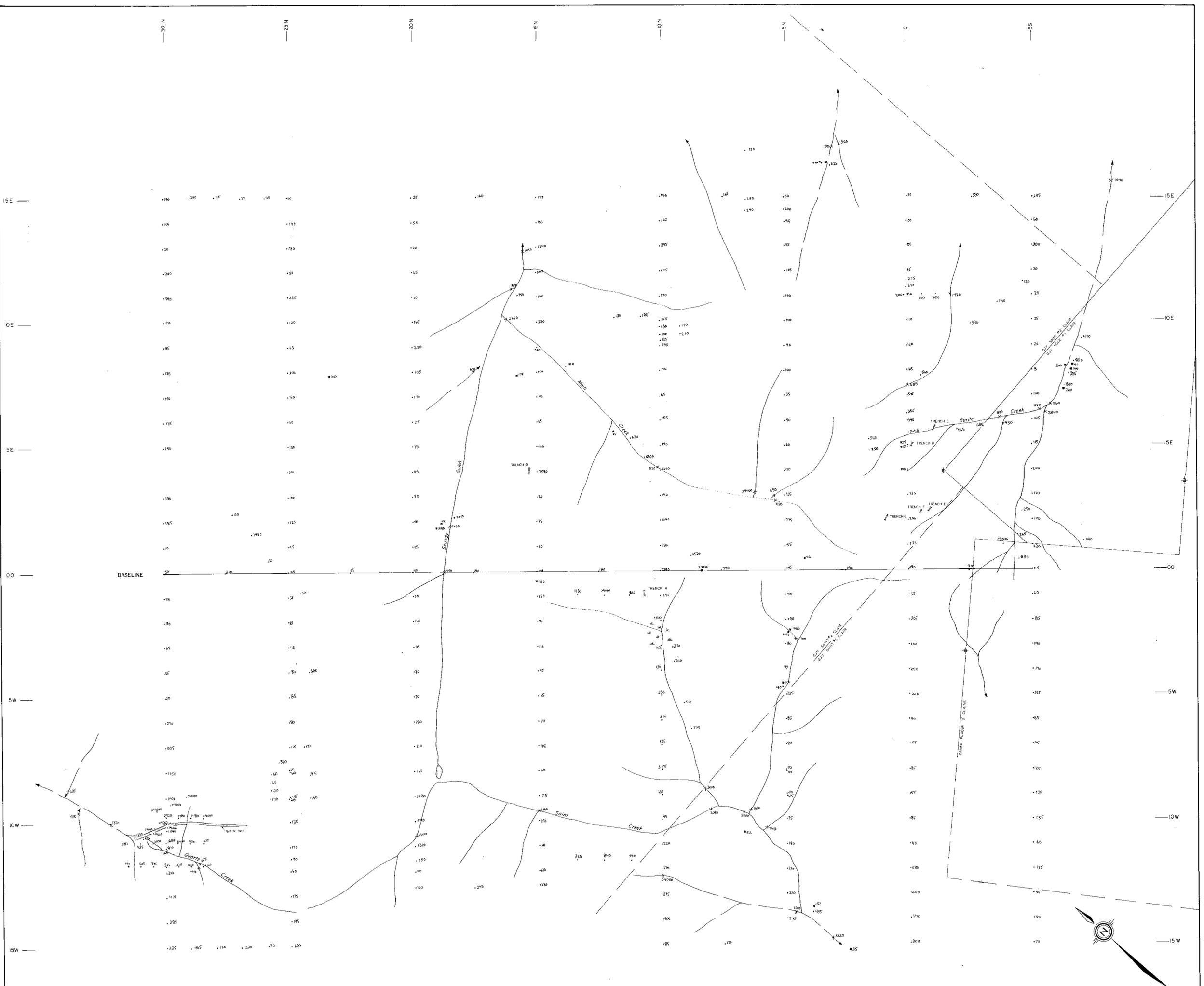
- 10 soil sample
- 20 silt sample
- 5 rock sample
- 10 assays in ppm Cu by nitric perchloric digestion and atomic absorption at Clemens Labs Ltd, Vancouver, B.C.
- 1/4 not assayed
- hand trench

Fig. 23
 ARCHER, CATRO & ASSOCIATES LTD.
COPPER GEOCHEMISTRY
 GRID I-SAINT CLAIMS
 GATAGA JOINT VENTURE



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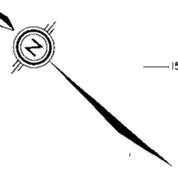


LEGEND

- 72 soil sample
 - 73 soil sample
 - 74 rock sample
 - 75 rock sample
 - 76 not assayed
 - band trench
- Assays in grid 2a by atomic absorption spectrophotometry and atomic absorption at Chemex Labs Ltd., Vancouver, B.C.

Fig. 25
 ARCHER, CATHO & ASSOCIATES LTD.
ZINC GEOCHEMISTRY
 GRID I-SAINT CLAIMS
 GATAGA JOINT VENTURE

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APPROXIMATE BOUNDARY UNITED MINERALS 50'4 CLAIM
G.V. BEAR CLAIM

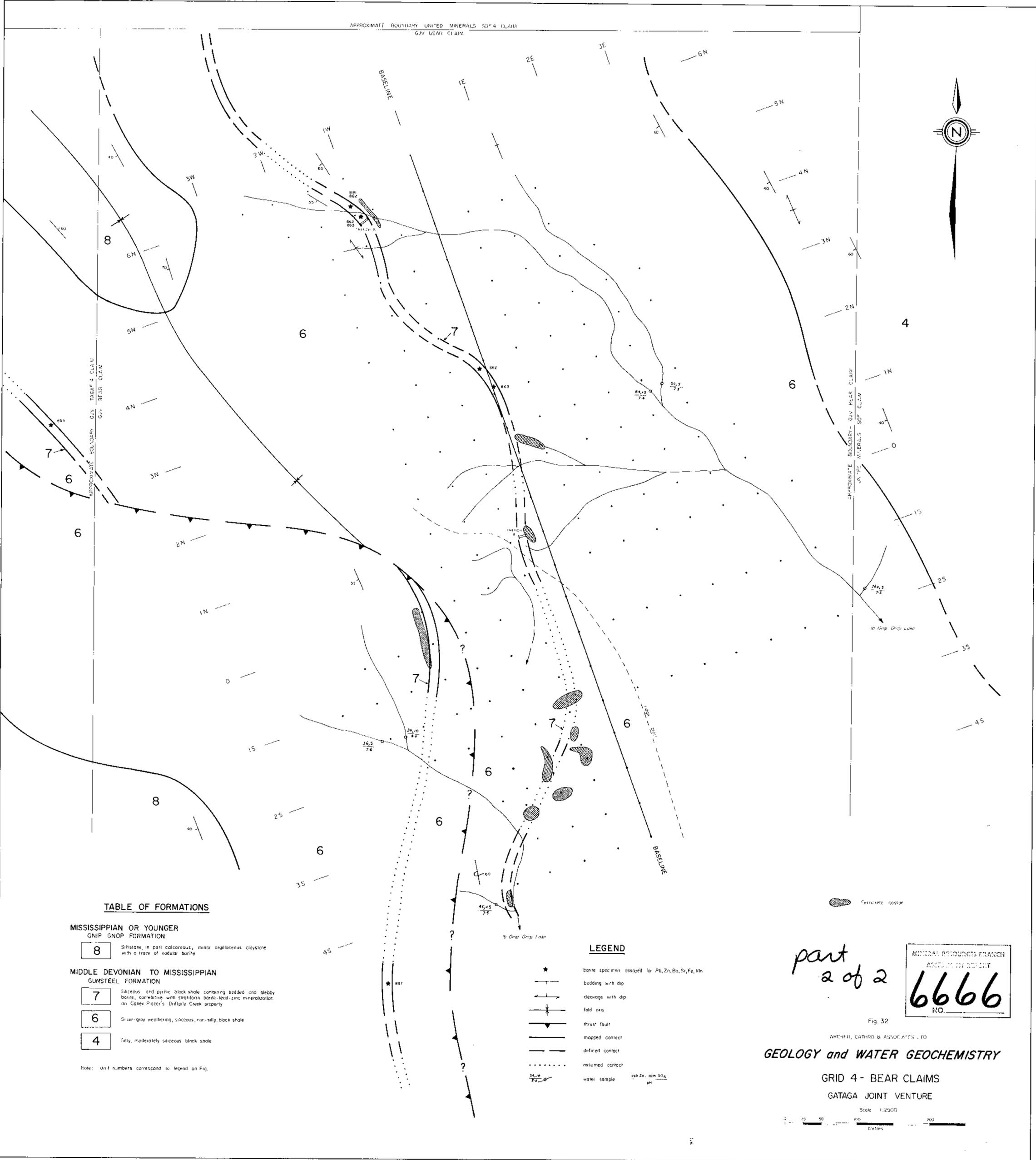


TABLE OF FORMATIONS

MISSISSIPPIAN OR YOUNGER
GNIP, GNOP FORMATION

8 Siltstone, in part calcareous, minor argillaceous claystone with a trace of nodular barite

MIDDLE DEVONIAN TO MISSISSIPPIAN
GUNSTEEL FORMATION

7 Siliceous and pyritic black shale containing bedded and blebby barite, correlative with stratiform barite-lead-zinc mineralization on Canon Pacer's Driftless Creek property

6 Silver-grey weathering, siliceous, var. silty, black shale

4 Silty, moderately siliceous black shale

Note: Unit numbers correspond to legend on Fig.

LEGEND

- ★ barite specimen assayed for Pb, Zn, Ba, Sr, Fe, Mn
- bedding with dip
- cleavage with dip
- fold axis
- thrust fault
- mapped contact
- defined contact
- assumed contact
- water sample $\frac{ppb\ Zn, \ ppm\ SO_4}{\mu}$

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Fig. 32

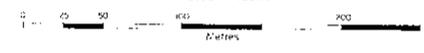
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GEOLOGY and WATER GEOCHEMISTRY

GRID 4 - BEAR CLAIMS

GATAGA JOINT VENTURE

Scale 1:25000



APPROXIMATE BOUNDARY UNITED MINERALS SQ#4 CLAIM
GJV BEAR CLAIM



APPROXIMATE BOUNDARY GJV BEAR CLAIM

APPROXIMATE BOUNDARY GJV BEAR CLAIM



LEGEND

- Ferricrete gossan
 - 16 soil sample
 - 28 soil sample
 - 62 rock sample
- Assays in ppm Pb by nitric-perchloric digestion and atomic absorption spectrometry of Chemex Labs, N. Vancouver, B.C.

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Fig. 33

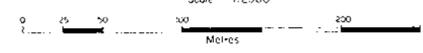
ANCHER, CATRO & ASSOCIATES LTD

LEAD GEOCHEMISTRY

GRID 4 - BEAR CLAIMS

GATAGA JOINT VENTURE

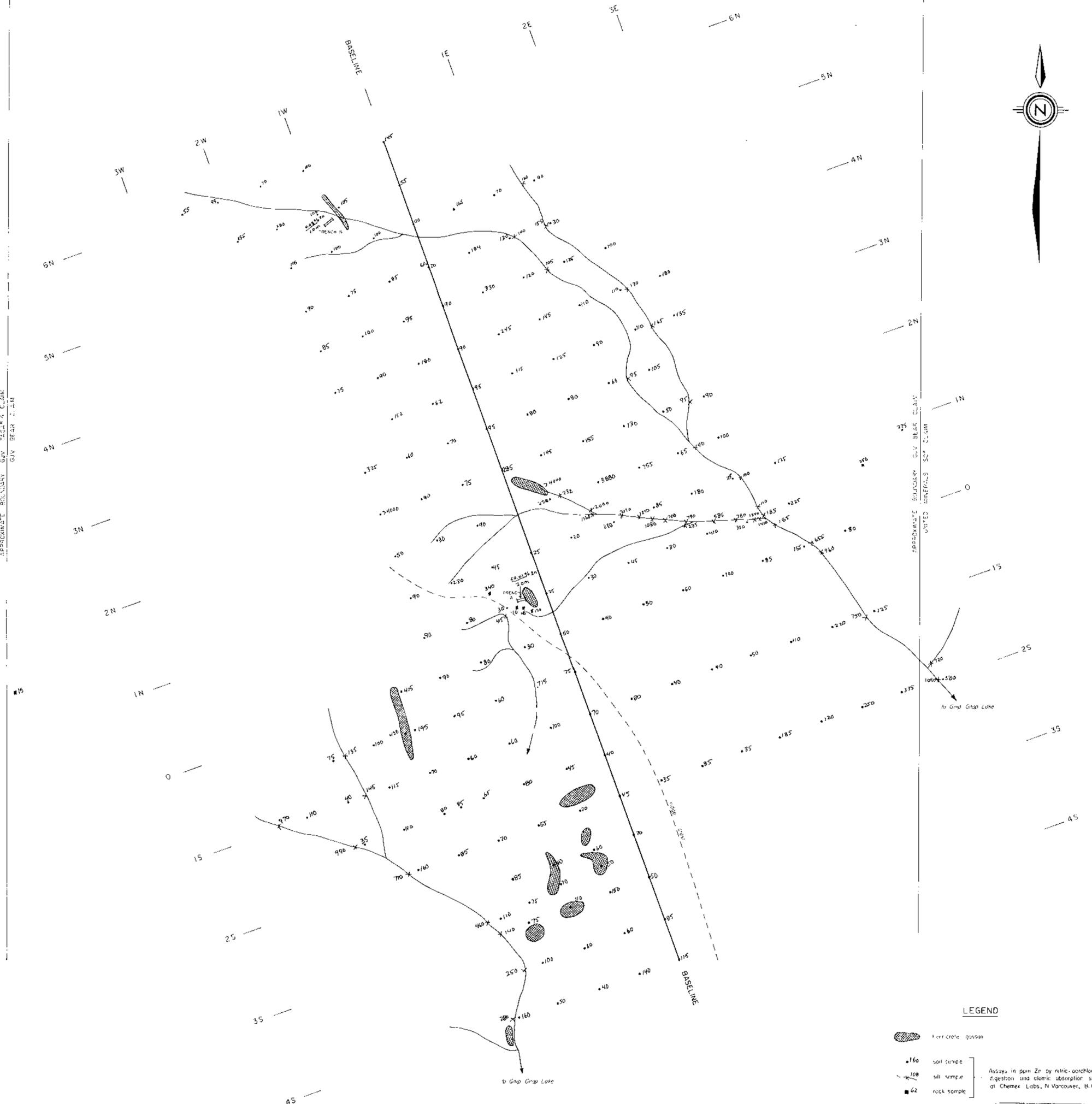
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APPROXIMATE BOUNDARY UNITED MINERALS SQ 44 CLAIM
GUV BEAR CLAIM

APPROXIMATE BOUNDARY GUV BEAR CLAIM
GUV BEAR CLAIM

APPROXIMATE BOUNDARY GUV BEAR CLAIM
UNITED MINERALS SQ 44 CLAIM



LEGEND

- Part crete gypson
 - 160 soil sample
 - 108 soil sample
 - 62 rock sample
- Assays in ppm Zn by nitric-perchloric digestion and atomic absorption spectrometry at Chemex Labs, N. Vancouver, B.C.

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Fig 34

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ZINC GEOCHEMISTRY

GRID 4 - BEAR CLAIMS

GATAGA JOINT VENTURE

Scale 1:2500

