

GEOLOGY OF THE OWEN LAKE, PARROTT LAKES, GOOSLY LAKE AREA

OMINECA MINING DIVISION B.C.

GEOLOGY BY N. CHURCH. 1973

BEDDED ROCKS

MIOCENE

POPLAR BUTTES VOLCANICS, COLUMNAR OLIVINE BASALT.

EOCENE

BUCK CREEK VOLCANICS, INTERCALATED BASALTIC ANDESITE (locally feldspathic) AND / APHANITIC ANDESITE AND DACITE.

GOOSLY LAKE VOLCANICS, MAINLY BIOTITE - PYROXENE - PLAGIOCLASE TRACHYANDESITE LAVAS / AND THICK SILLS OR LAVA FLOWS AND SMALL STOCKS OF SIMILAR ROCK.

PALEOCENE OR UPPER CRETACEOUS

TIP TOP HILL VOLCANICS, MAINLY BIOTITE - HORNBLLENDE ANDESITE AND ANDESITIC DACITE LAVAS AND PYROCLASTIC ROCKS.

EARLY AND MIDDLE MESOZOIC

ACID AND INTERMEDIATE LAVAS AND PYROCLASTIC ROCKS, SOME ARGILLITE, SANDSTONE, AND CONGLOMERATE.

IGNEOUS INTRUSIONS

SYENOMONZONITE - ALKALIC GABBRO STOCKS.

GOOSLY BIOTITE GRANITIC STOCK

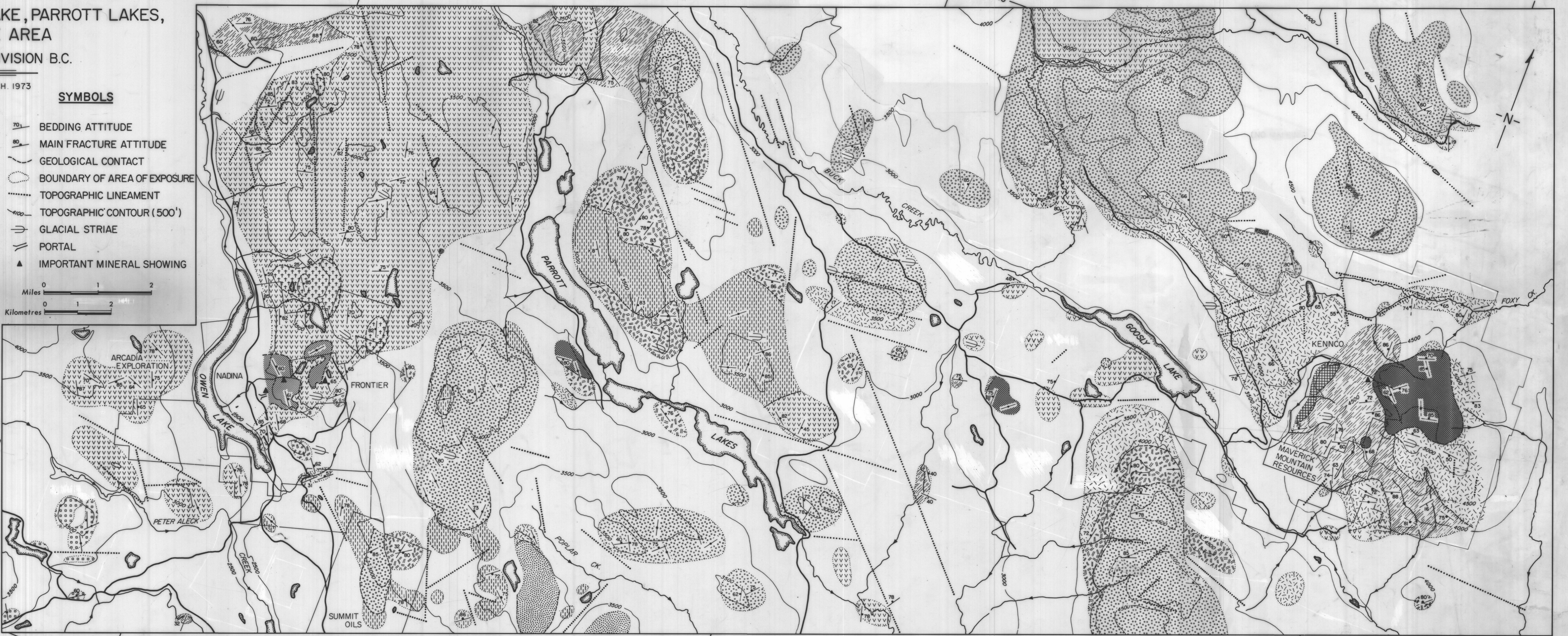
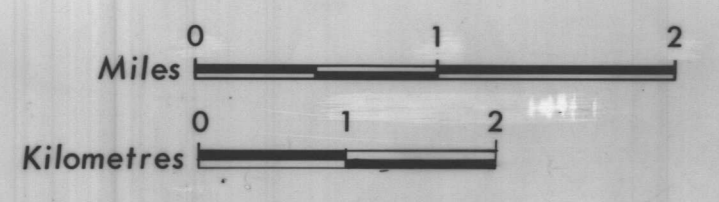
DUCK LAKE BIOTITE - PLAGIOCLASE PORPHYRY STOCK.

MINE HILL MICRODIORITE SILLS AND DYKES.

OKUSYELDA HILL BIOTITE - QUARTZ PORPHYRY.

SYMBOLS

- 70° BEDDING ATTITUDE
- 80° MAIN FRACTURE ATTITUDE
- GEOLOGICAL CONTACT
- BOUNDARY OF AREA OF EXPOSURE
- TOPOGRAPHIC LINEAMENT
- TOPOGRAPHIC CONTOUR (500')
- GLACIAL STRIAE
- PORTAL
- ▲ IMPORTANT MINERAL SHOWING

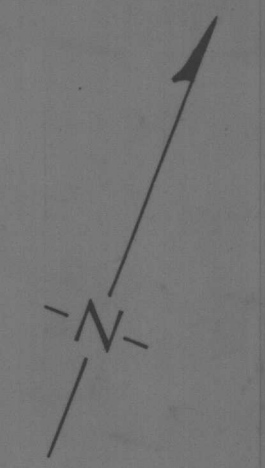
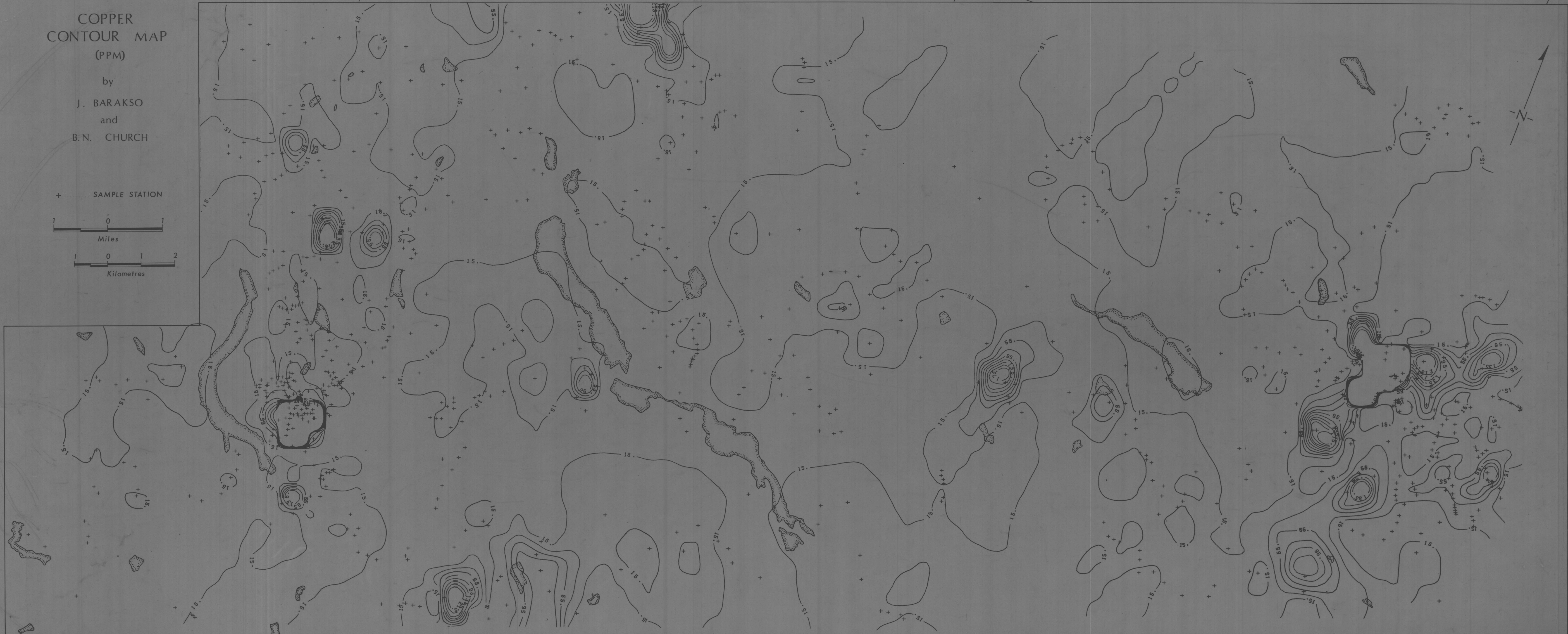
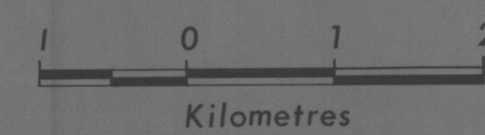
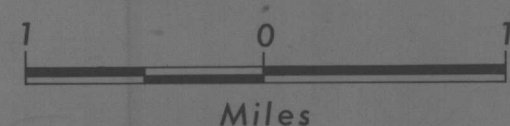


ROCK GEOCHEMISTRY OF THE OWEN LAKE, GOOSLY LAKE AREA

COPPER CONTOUR MAP (PPM)

by
J. BARAKSO
and
B.N. CHURCH

+ SAMPLE STATION



54° 15'

54° 00'

126° 45'

PRELIMINARY MAP 13B

126° 30'

BRITISH COLUMBIA DEPARTMENT OF MINES AND PETROLEUM RESOURCES

126° 15'

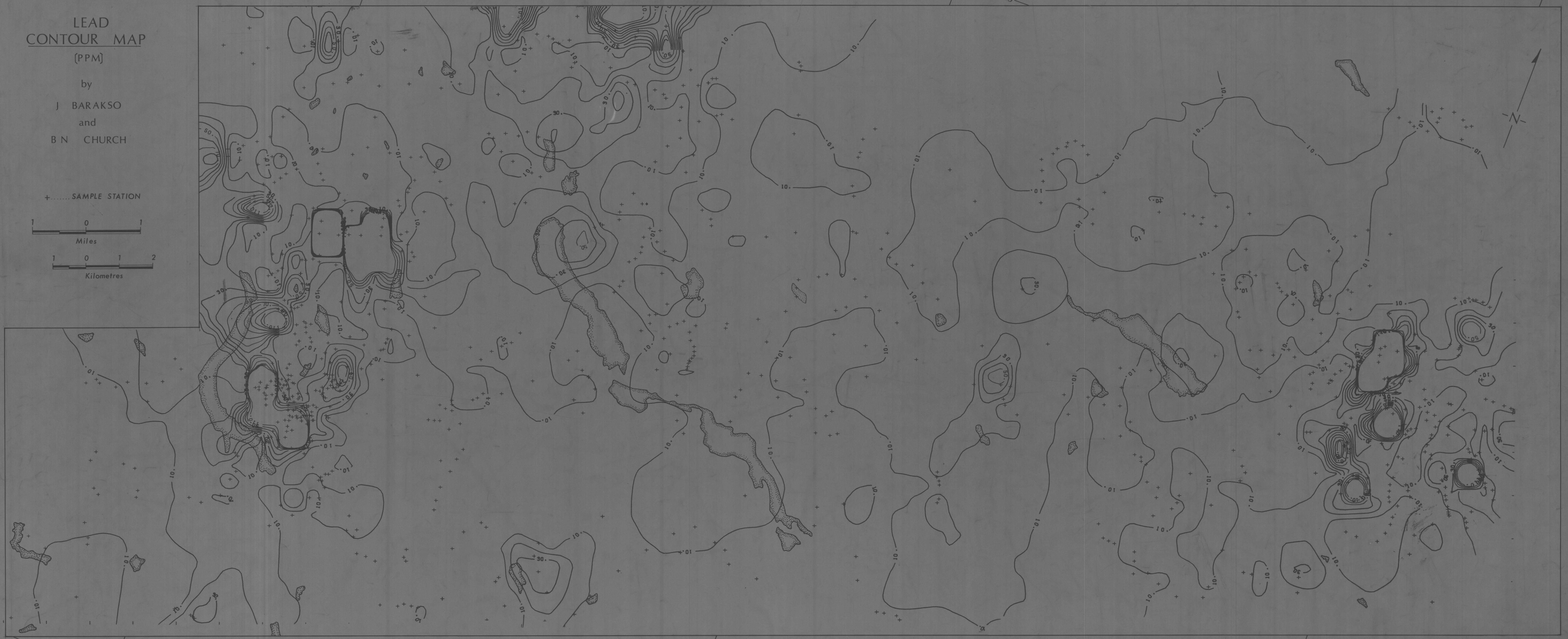
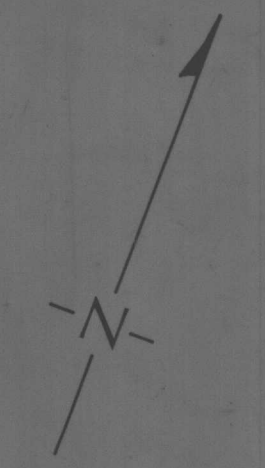
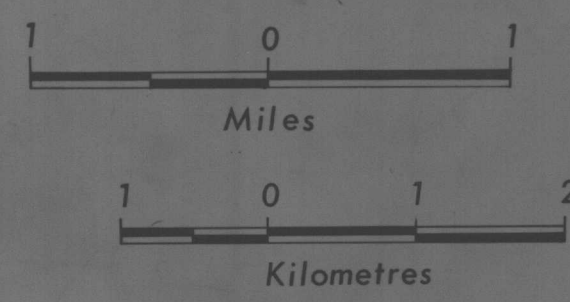
ROCK GEOCHEMISTRY OF THE OWEN LAKE, GOOSLY LAKE AREA

54° 15'

LEAD CONTOUR MAP (PPM)

by
J. BARAKSO
and
B. N. CHURCH

+.....SAMPLE STATION



54° 00'

126° 45'

PRELIMINARY MAP 13C

126° 30'

BRITISH COLUMBIA DEPARTMENT OF MINES AND PETROLEUM RESOURCES

126° 15'

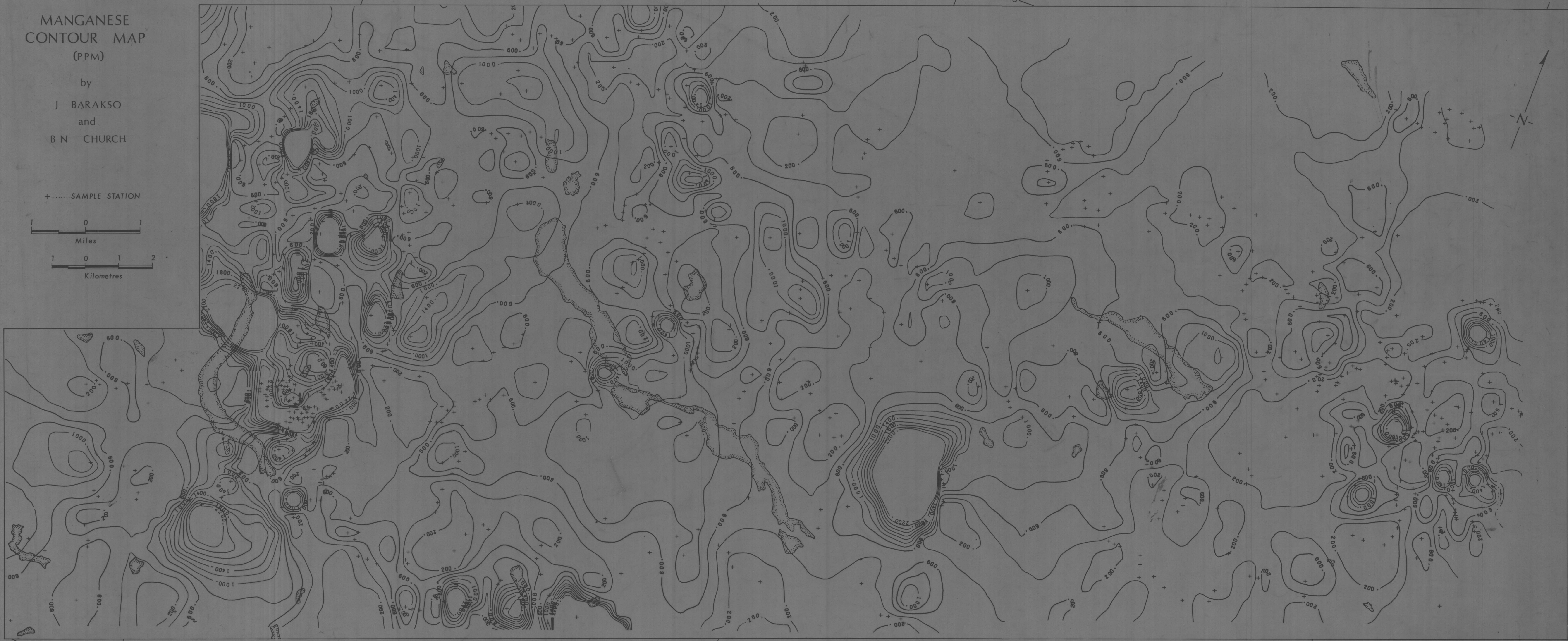
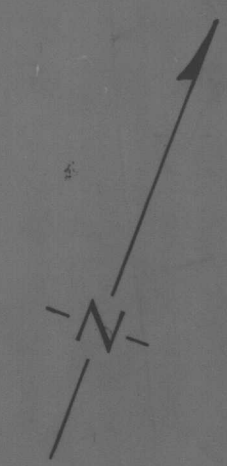
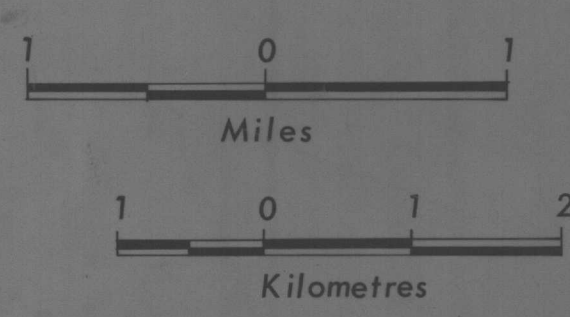
ROCK GEOCHEMISTRY OF THE OWEN LAKE, GOOSLY LAKE AREA

54°15'

MANGANESE CONTOUR MAP (PPM)

by
J BARAKSO
and
B N CHURCH

+.....SAMPLE STATION



54°00'

126°45'

PRELIMINARY MAP 13 D

126°30'

BRITISH COLUMBIA DEPARTMENT OF MINES AND PETROLEUM RESOURCES

126°15'

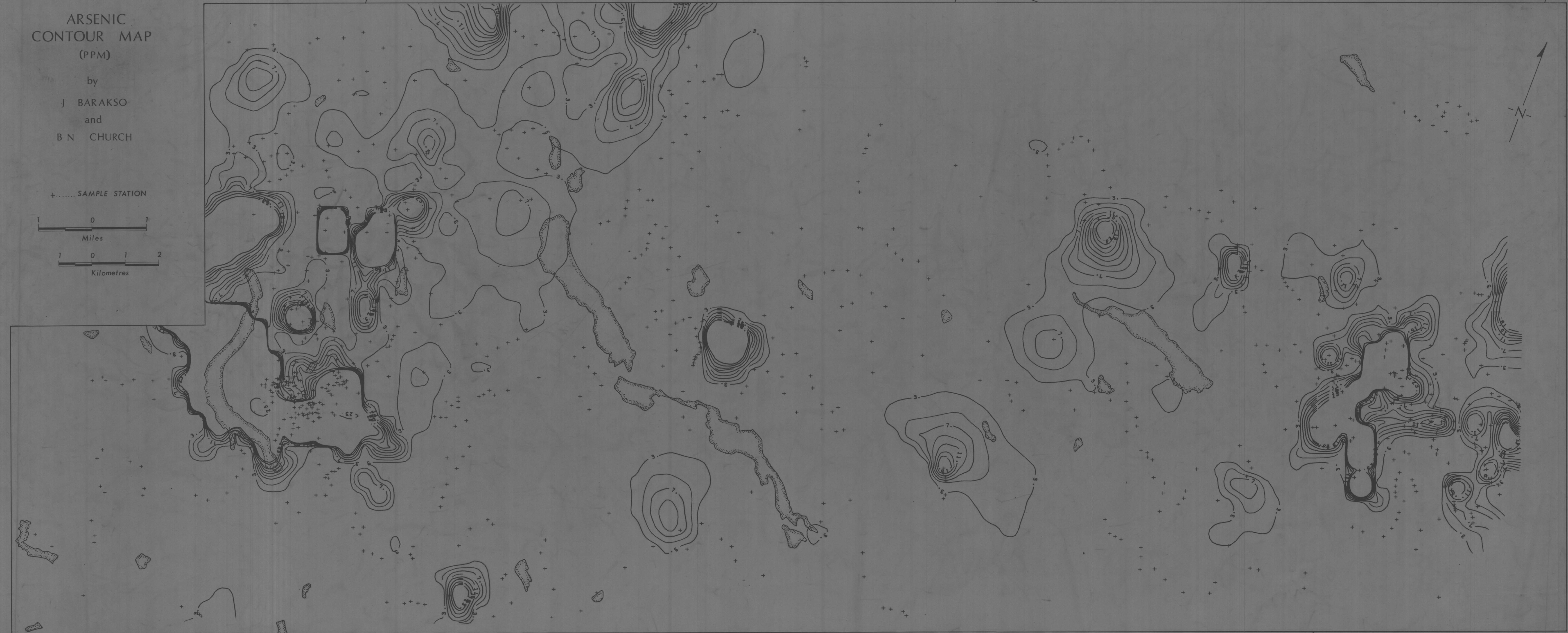
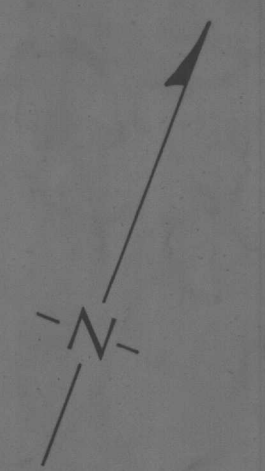
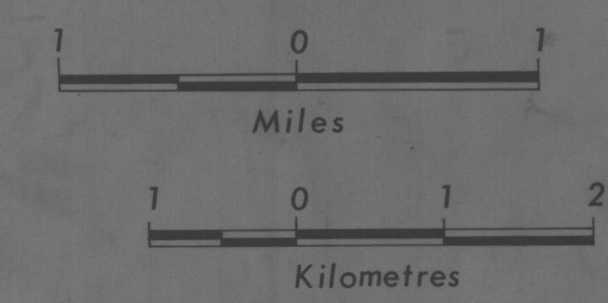
ROCK GEOCHEMISTRY OF THE OWEN LAKE, GOOSLY LAKE AREA

54° 15'

ARSENIC
CONTOUR MAP
(PPM)

by
J BARAKSO
and
B N CHURCH

+..... SAMPLE STATION



54° 00'

126° 45'

PRELIMINARY MAP 13 E

126° 30'

BRITISH COLUMBIA DEPARTMENT OF MINES AND PETROLEUM RESOURCES

126° 15'

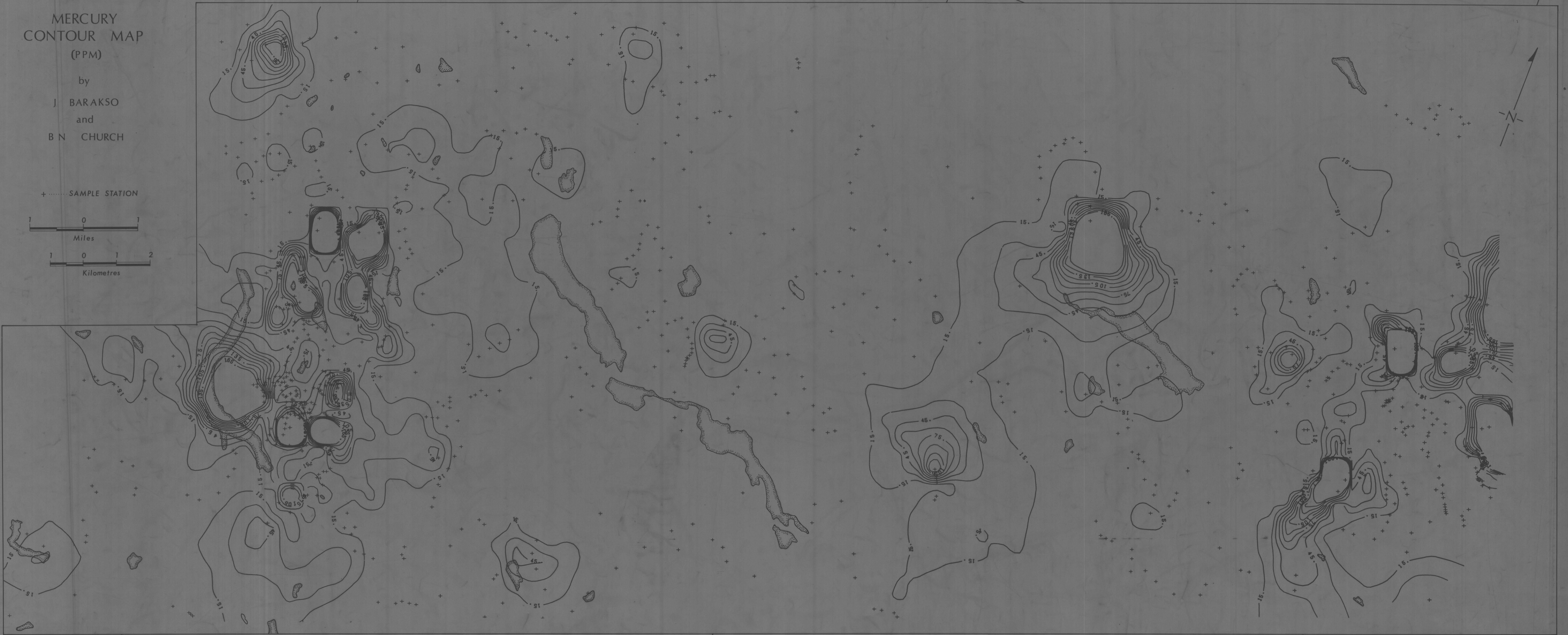
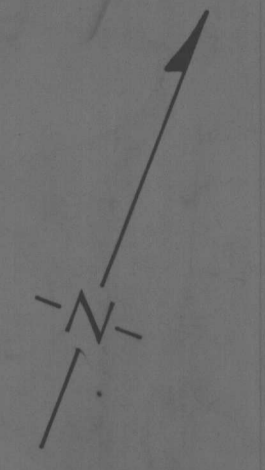
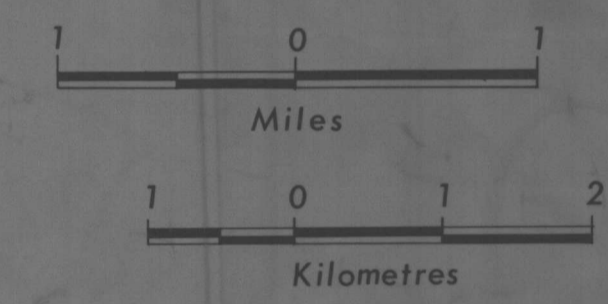
ROCK GEOCHEMISTRY OF THE OWEN LAKE, GOOSLY LAKE AREA

54°15'

MERCURY
CONTOUR MAP
(PPM)

by
J BARAKSO
and
B N CHURCH

+ SAMPLE STATION



54°00'

126°45'

PRELIMINARY MAP 13 F

126°30'

BRITISH COLUMBIA DEPARTMENT OF MINES AND PETROLEUM RESOURCES

126°15'

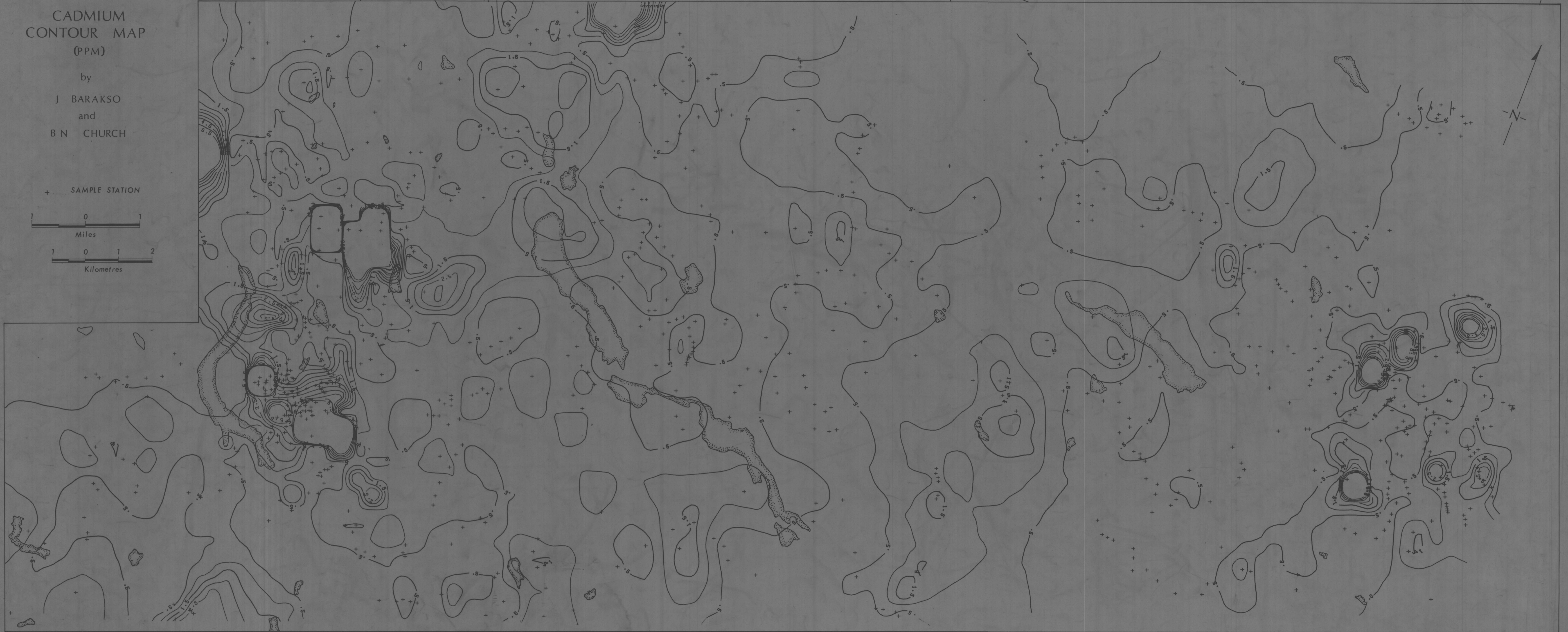
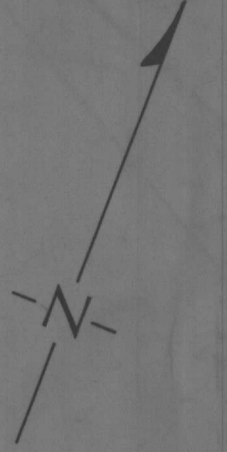
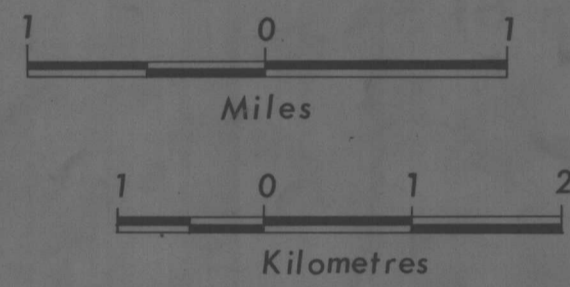
ROCK GEOCHEMISTRY OF THE OWEN LAKE, GOOSLY LAKE AREA

54°15'

CADMIUM
CONTOUR MAP
(PPM)

by
J BARAKSO
and
B N CHURCH

+.....SAMPLE STATION



54°00'

126°45'

PRELIMINARY MAP 13G

126 30

BRITISH COLUMBIA DEPARTMENT OF MINES AND PETROLEUM RESOURCES

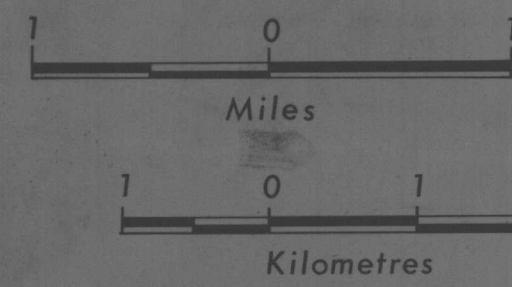
126°15'

ROCK GEOCHEMISTRY OF THE OWEN LAKE, GOOSLY LAKE AREA

SILVER
CONTOUR MAP
(PPM)

by
J. BARAKSO
and
B.N. CHURCH

+ SAMPLE STATION



54°00'

126°45'

PRELIMINARY MAP 13H

126°30'

BRITISH COLUMBIA DEPARTMENT OF MINES AND PETROLEUM RESOURCES

126°15'

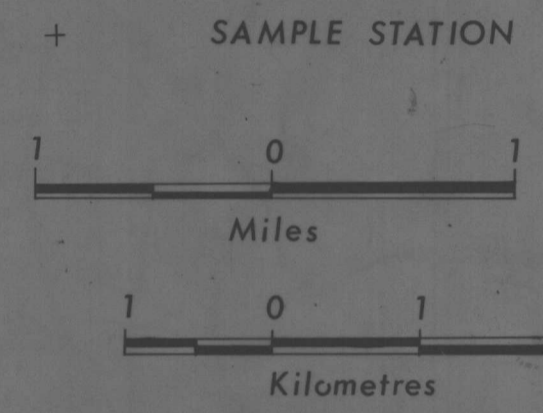
54°15'

ROCK GEOCHEMISTRY OF THE OWEN LAKE, GOOSLY LAKE AREA

54° 15'

ZINC
CONTOUR MAP
PPM

by
J. BARAKSO
and
B. N. CHURCH



54° 00'

126° 45' PRELIMINARY MAP 131

126° 30'

BRITISH COLUMBIA DEPARTMENT OF MINES AND PETROLEUM RESOURCES

126° 15'