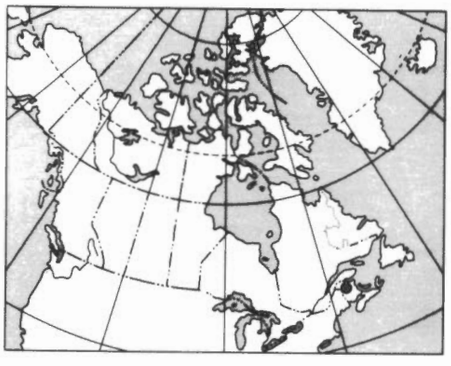
GEOLOGICAL SURVEY OF CANADA OPEN FILE 1954
(21Ø/1 EAST and 21P/4 WEST)
CANADA-NEW BRUNSWICK MINERAL DEVELOPMENT AGREEMENT (1984-1989)

REGIONAL STREAM SEDIMENT AND WATER GEOCHEMICAL DATA, NORTHEASTERN NEW BRUNSWICK



INDEX MAP

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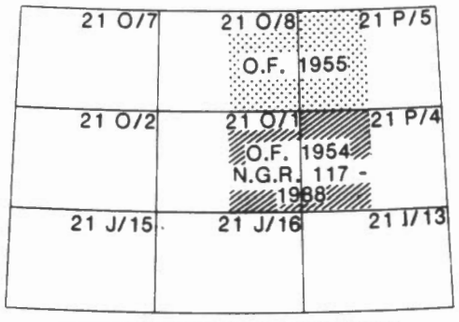
Geological Survey of Canada
Open File 1954

August, 1989

NATIONAL GEOCHEMICAL RECONNAISSANCE
STREAM SEDIMENT AND WATER GEOCHEMICAL DATA
NEW BRUNSWICK 1989
GEOLOGICAL SURVEY OF CANADA OPEN FILE 1954, NGR 117-1988
NTS 21Ø/1 EAST AND 21P/4 WEST



NATIONAL TOPOGRAPHIC SYSTEM REFERENCE AND INDEX TO ADJOINING GEOLOGICAL SURVEY OF CANADA MAPS

Open File 1954 represents a contribution to the Canada – New Brunswick Mineral Development Agreement (1984-1989), a subsidiary agreement under the Economic and Regional Development Agreement. This project was funded and managed by the Geological Survey of Canada.

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REGIONAL STREAM SEDIMENT AND WATER GEOCHEMICAL DATA, NEW BRUNSWICK 1989, GSC OF 1954, NGR 117-1988; NTS 21Ø/1 (E) and 21P/4 (W)

Geological Survey of Canada Open File 1954

Regional Stream Sediment and Water Geochemical Reconnaissance Data, Northeastern New Brunswick, consisting of NTS 21Ø/1 (E) and 21P/4 (W).

INTRODUCTION

Open File 1954 is one of three regional geochemical open files covering parts of north-central and northeastern New Brunswick which were sampled in 1988 as part of the Canada – New Brunswick Mineral Development Agreement. Open file 1954 represents analyses of stream sediment material and waters for 24 elements.

The reconnaissance survey was undertaken in 1988 by the Geological Survey of Canada in conjunction with the New Brunswick Department of Natural Resources and Energy (Mineral Resources Division) under the Canada – New Brunswick Mineral Development Agreement (1984-1989).

The data base of the survey contributes to a national geochemical reconnaissance and are used for resource assessment, mineral exploration and geological mapping. Regional survey sample collection and preparation procedures, analytical methods and repeatability of results are therefore strictly specified and controlled. In this way, consistent data can be systematically obtained in different areas in different years from different analytical laboratories

CREDITS

E.H.W. Hornbrook directed the survey.

P.W.B. Friske coordinated the operational activities of contract and Geological Survey of Canada staff.

Contracts were let to the following companies for sample collection, preparation and analysis and were managed by the following staff of the Exploration Geochemistry Subdivision:

Collection:	KDA Whaley, Kingsclear, New Brunswick P.W.B. Friske M.W. McCurdy
Preparation:	Golder Associates, Ottawa, Ontario J.J. Lynch
Analysis:	Bondar Clegg and Company Ltd., Ottawa Chemex Labs Limited, Vancouver, B.C. (waters and Au) J.J. Lynch

M. W. McCurdy coordinated production and edited open files.

A.C. Galletta managed the digital geochemical data and provided computer processing support.

Computing services were provided by the Computer Science Centre, EMR. The plotting was done by Canada Lands Data Systems staff at Environment Canada, Hull, Quebec.

H. Gross developed microcomputer software to produce data listings and summary statistics.

Open file base maps were prepared by Geological Information Division, Cartography Unit A-2 and Terra Surveys Ltd., Ottawa.

C.C. Durham, H.R. Schmitt, R. Phillips and P. Doyle provided technical support.

DESCRIPTION OF SURVEY AND SAMPLE MANAGEMENT

Truck-supported sample collection was carried out during the summer of 1988.

Stream sediment and water samples were collected at an average density of one sample per 2 square kilometres throughout the 1,055 square kilometres of the northeastern New Brunswick survey.

The field data were recorded by the field contract staff on standard stream sediment field cards (Rev. 77) used by the Geological Survey of Canada (Garrett, 1974).

Sample site duplicate samples were routinely collected in each analytical block of twenty samples.

In Ottawa, field dried samples were air-dried and sieved through a minus 80 mesh (177 microns) screen, and ball milled before analyses. At this time, control reference and blind duplicate samples were inserted into each block of twenty sediment samples. For the water samples, only control reference samples were inserted into the block. There were no blind duplicate water samples.

On receipt, field and analytical data were processed with the aid of computers.

The sample site positions were marked on appropriate 1:50,000 scale NTS maps in the field. These maps were digitized at the

Geological Survey in Ottawa to obtain the sample site UTM coordinates.

The sample site coordinates were checked as follows: a sample location map was produced on a Calcomp 1051 drum plotter using the digitized coordinates; the field contractor's sample location map was then overlayed with the Calcomp map; the two sets of points were checked for coincidence. The dominant rock types in the catchment basins were identified on appropriate geological maps used as the bedrock geological base on NGR maps.

Thorough inspections of the field and analytical data were made to check for any missing information and/or gross errors.

Quality control and monitoring of the geochemical data was undertaken by a standard method used by the Exploration Geochemistry Subdivision at the Geological Survey of Canada.

ANALYTICAL PROCEDURES

Atomic Absorption Spectroscopy (AAS) and Other Analyses

For the determination of Zn, Cu, Pb, Ni, Co, Ag, Mn, Fe, Cd, and As a 1 gram sample reacts with 3 mL of a mixture of HNO_3 in a test-tube overnight at room temperature. After digestion, the test-tube is immersed in a hot water bath at room temperature and brought up to 90° C and held at this temperature for 30 minutes with periodic shaking. 1 mL concentrated HCl is added and heating continued for another 90 minutes. The sample solution is then diluted to 20 mL with metal-free water and mixed. Zn, Cu, Pb, Ni, Co, Ag, Mn, Fe and Cd are determined by atomic absorption spectroscopy using an air-acetylene flame. Background corrections are made for Pb, Ni, Co, Ag and Cd.

Arsenic is determined by atomic absorption using a hydride evolution method wherein the hydride (AsH3) is evolved and passed through a heated quartz tube in the light path of an atomic absorption spectrophotometer. The method is described by Aslin (1976). Detection limit = 1 ppm.

Molybdenum and vanadium are determined by atomic absorption spectroscopy using a nitrous oxide acetylene flame. A 0.5 gram sample reacts with 1.5 mL concentrated HNO_3 at 90° C for 30 minutes. At this point 0.5 mL concentrated HCl is added and the digestion continued at 90° C for an additional 90 minutes. After cooling, 8 mL of 1250 ppm Al solution are added and the sample solution diluted to 10 mL before aspiration. Detection limit = Mo – 2 ppm; V – 5 ppm.

Mercury is determined by the Hatch and Ott procedure with some modifications. The method is described by Jonasson *et al.* (1973). A 0.5 gram sample reacts with 5 mL concentrated HNO_3 and 0.3 mL concentrated HCl in a test-tube for 10 minutes at room temperature prior to 2 hours of digestion with mixing at 90°C in a hot water bath. After digestion, the sample solutions are cooled and diluted to 100 mL with metal-free water. The Hg present is reduced to the elemental state by the addition of 10 mL 10% w/v $SnCl_2$ in a 10% solution of HCl. The Hg vapour is then flushed by a stream of air into an absorption cell mounted in the light path of an atomic absorption spectrophotometer. Absorption measurements are made at 253.7 nm. Detection limit = 10 ppb.

Loss on ignition is determined using a 500 mg sample. The sample, weighed into 30 ml beaker, is placed in a cold muffle furnace and brought up to 500° C over a period of 2 – 3 hours. The sample is left at this temperature for 4 hours, then allowed to cool to room temperature for weighing. Detection limit = 1.0 pct.

Uranium is determined using a neutron activation method with delayed neutron counting. A detailed description of the method is provided by Boulanger *et al.* (1975). In brief, a 1 gram sample is weighed into a 7 dram polyethylene vial, capped and sealed. The irradiation is provided by the Slowpoke reactor with an operating flux of 10** 12 neutrons/sq cm/sec. The samples are pneumatically transferred from an automatic loader to the reactor, where each sample is irradiated for 60 seconds. After irradiation, the sample is again transferred pneumatically to the counting facility where after a 10 second delay the sample is counted for 60 seconds with six BF3 detector tubes embedded in paraffin. Following counting, the samples are automatically ejected into a shielded storage container. Calibration is carried out twice a day as a minimum, using natural materials of known uranium concentration. Detection limit = 0.5 ppm.

Antimony is determined as described by Aslin (1976). A 500 mg sample is placed in a test tube; 3 mL concentrated HNO_3 and 9 mL concentrated HCl are added and the mixture is allowed to stand overnight at room temperature. The mixture is heated slowly to 90° C and maintained at this temperature for at least 90 minutes. The solution is cooled and diluted to 10 mL with 1.8 M HCl. The antimony in an aliquot of this dilute solution is then determined by hydride evolution – atomic absorption spectrometry. Detection limit = 0.2 ppm.

Fluorine is determined as described by Ficklin (1970). A 250 mg sample is sintered with 1 g of a flux consisting of two parts by weight sodium carbonate and one part by weight potassium nitrate. The residue is then leached with water. The sodium carbonate is neutralized with 10 mL 10% (w/v) citric acid and the resulting solution is diluted to

100 mL with water. The pH of the resulting solution should be from 5.5 to 6.5. The fluoride content of the test solution is then measured using a fluoride ion electrode. Standard solutions contain sodium carbonate and citric acid in the same quantities as the sample solution. Detection limit = 20 ppm.

Gold is usually determined on a 10 g sediment sample; depending on the amount of sample available, lesser weights are sometimes used. This results in a variable detection limit: 2 ppb for a 5 g sample, 1 ppb for a 10 g sample . . . The sample is fused to produce a lead button, collecting any gold in the sample, which is cupelled in a muffle furnace to produce a silver (dore) bead. The silver beads are irradiated in a neutron flux for one hour, cooled for four hours, and counted by gamma ray spectrometry. Calibration is carried out using standard and blank beads.

Tungsten is determined as follows: 0.2 g sample of sediment is fused with 1 g $K_2S_2O_7$ in a rimless test tube at 575°C for 15 minutes in a furnace. The cooled melt is then leached with 10 mL concentrated HCl in a water bath heated to 85°C. After the soluble material has completely dissolved, the insoluble material is allowed to settle and an aliquot of 5 mL transferred to another test tube. 5 mL of 20% $SnCl_2$ solution are then added to the sample aliquot, mixed and heated for 10 minutes at 85°C in a hot water bath. A 1 mL aliquot of dithiol solution (1% dithiol in iso-amyl acetate) is added to the test solution and the test solution then removed from the hot water bath, cooled and 2.5 mL of kerosene added to dissolve the globule. The colour intensity of the kerosene solution is measured at 630 nm using a spectrophotometer. The method is described by Quin and Brooks (1972). Detection limit = 2 ppm.

Tin is determined as follows: A 200 mg sample is heated with NH_4I; the sublimed SnI_4 is dissolved in acid and the tin determined by atomic absorption spectrometry. Detection limit = 1 ppm.

Barium is determined as follows: 2 mL of concentrated HCl are added to a 0.2 g sample in a pressure tube and allowed to stand 20 minutes to drive off sulphides. Then, 1 mL HNO_3, 1 mL $HClO_4$ and 2 mL HF are added and the pressure tube capped and placed in a hot water bath for one hour to allow digestion. The tube is cooled, uncapped and filled with a 2.5% boric acid solution. After shaking, the solution is transferred to a 100 mL volumetric flask and diluted by a factor of 10 with a 10% cesium chloride solution. Barium is determined by DCP spectroscopy. Detection limit = 40 ppm.

Fluoride in water samples is determined using a fluoride electrode. Prior to measurement an aliquot of the sample is mixed with an equal volume of TISAB II buffer solution (total ionic strength adjustment buffer). The TISAB II buffer solution is prepared as follows: to 50 mL metal-free water add 57 mL glacial acetic acid, 58 gm NaCl and 4 gm CDTA (cyclohexylene dinitrilo tetraacetic acid). Stir to dissolve and cool to room temperature. Using a pH meter, adjust the pH between 4.0 and 5.5 by slowly adding 5 M NaOH solution. Cool and dilute to one litre in a volumetric flask. Detection limit = 20 ppb.

Hydrogen ion activity (pH) is measured with a combination glass-calomel electrode and a pH meter.

Uranium in waters is determined by a laser-induced fluorometric method using a Scintrex UA-3 uranium analyser. A complexing agent, known commercially as fluran and composed of sodium pyrophosphate and sodium monophosphate (Hall, 1979) is added to produce the uranyl pyrophosphate species which fluoresces when exposed to the laser. Since organic matter in the sample can cause unpredictable behaviour, a standard addition method was used. In the past, there have been instances at the GSC where the reaction of uranium with fluran was either delayed or sluggish; for this reason an arbitrary 24 hour time delay between the addition of the fluran and the actual reading is incorporated into this method. In practice, 500 µL of fluran solution are added to a 5 mL sample and allowed to stand for 24 hours. At the end of this period fluorescence readings are made with the addition of 0.0, 0.2 and 0.4 ppb U. For high samples the additions are 0.0, 2.0 and 4.0 (20 µL aliquots of either 55 or 550 ppb U are used). All readings are taken against a sample blank. Detection limit = .05 ppb.

Table 1 provides a summary of analytical data and methods.

PRESENTATION AND INTERPRETATION OF GOLD DATA

The following discussion reviews the format used to present the Au geochemical data and outlines some important points to consider when interpreting this data. This discussion is included in recognition of the special geochemical behaviour and mode of occurrence of Au in nature and the resultant difficulties in obtaining and analyzing samples which reflect the actual concentration level at a given site.

To correctly interpret Au geochemical data from regional stream sediment or lake sediment surveys requires an appreciation of the unique chemical and physical characteristics of Au and its mobility in the surficial environment. Key properties of Au that distinguish its geochemical behaviour from most other elements include (Harris, 1982):

(1) Au occurs most commonly in the native form which is chemically and physically resistant. A high proportion of the

metal is dispersed in micron-sized particulate form. Gold's high specific gravity results in heterogeneous distribution, especially in stream sediment and clastic-rich (low LOI) lake sediment environments. Au distribution appears to be more homogeneous in organic-rich fluviatile and lake sediment environments.

(2) Gold typically occurs at low concentrations in the ppb range. Whereas gold concentrations of only a few ppm may represent economic deposits, background levels en-countered from stream and centre-lake sediments seldom exceed 10 ppb, and commonly are near the detection limit of 1 ppb.

These factors result in a particle sparsity effect wherein very low concentrations of Au are heterogeneously enriched in the surficial environment. Hence, a major problem facing the geochemist is to obtain a representative sample. In general, the lower the actual concentration of Au the larger the sample size, or the smaller the grain size required to reduce uncertainty over whether subsample analytical values truly represent actual values. Conversely, as actual Au concentrations increase or grain size decreases, the number of Au particles to be shared in random subsamples increases and the variability of results decreases (Clifton *et al.*, 1969; Harris, 1982). The limited amount of material collected during the rapid, reconnaissance-style regional surveys and the need to analyze for a broad spectrum of elements, precludes the use of a significantly large sample weight for the Au analyses. Therefore, to the extent that sample representivity can be increased, sample grain size is reduced by sieving and ball milling of all samples.

The following control methods are currently employed to evaluate and monitor the sampling and analytical variability which are inherent in the analysis of Au in geochemical mediums:

(1) For each block of twenty samples:

  (a) random insertion of a standard reference sample to control analytical accuracy and long-term precision;

  (b) collection of a field duplicate (two samples from one site) to control sampling variance;

  (c) analysis of a second subsample (blind duplicate) from one sample to control short-term precision.

(2) For both stream sediments and lake sediments, routine repeat analyses on a second subsample are performed for all samples having values that are statistically above approximately the 90th percentile of total data set. This applies only to gold analyses by fire assay preconcentration followed by neutron activation. **Such routine repeat analyses are not performed for INA analyses of archived samples.**

(3) For lake sediments only, a routine repeat analysis on a second subsample is performed on those samples with LOI values below 10%, indicating a large clastic component. On-going studies suggest that the Au distribution in these samples is more likely to be variable than in samples with a higher LOI content. **Again, routine repeat analyses are performed only when the fire assay preconcentration/neutron activation method is used.**

Au data presentation, statistical treatment and the value map format are different than for other elements. Au data listed in the open file may include initial analytical results, values determined from repeat analyses, together with sample weights and corresponding detection limits for all analyzed samples. The gold, statistical parameters and regional symbol trend plots are determined using the following data population selection criteria:

(1) Only the first analytical value is utilized.

(2) Au values determined from sample weights less than 10 g are excluded, except where determined by instrumental neutron activation analyses.

(3) Au values less than the detection limit (<1 ppb) for 10 g samples are set to 0.5 ppb.

On the value map, repeat analysis values, where determined (not field duplicates), are placed in brackets following the initial value determination. All values determined on a sample less than 10 g are denoted by an asterisk. Actual sample weight used can be determined from the text. Following are possible variations in data presentation on a value map:

*	No data
+27	Single analysis, 10 g sample weight
+27*	single analysis, <10 g sample weight
+27 (14)	Repeat analysis, both samples 10 g
+27 (14*)	Repeat analysis, first sample 10 g, repeat <10 g
+<1	Single analysis, 10 g sample, less than detection limit of 1 ppb

In summary, geochemical follow-up investigations for Au should be based on a careful consideration of all geological and geochemical information, and especially a careful appraisal of gold geochemical data and its variability. In some instances, prospective follow-up areas may be indirectly identified by pathfinder element associations in favourable geology, although a complementary Au response due to natural variability may be lacking. Once an anomalous area has been identified, field

investigations should be designed to include detailed geochemical follow-up surveys and collection of **large** representative samples. Subsequent repeat subsample analyses will increase the reliability of results and permit a better understanding of natural variability which can then be used to improve sampling methodology and interpretation.

SEDIMENT DATA LIST LEGEND

Table 2 lists code for the field and map information which is recorded at each sample site and printed in the accompanying data listings.

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Harris, J.F. (1982) Sampling and analytical requirements for effective use of geochemistry in exploration for gold; *In* Levinson, A.A., Editor, Precious Metals in the Northern Cordillera, proceedings of a symposium sponsored by the Association of Exploration Geochemists and the Cordilleran Section of the Geological Association of Canada, pp. 53-67.

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TABLE 1. Summary of Analytical Data and Methods

Element		Detection level		Method(s)
SEDIMENTS:				
Zn	Zinc	2	ppm	AAS
Cu	Copper	2	ppm	AAS
Pb	Lead	2	ppm	AAS
Ni	Nickel	2	ppm	AAS
Co	Cobalt	2	ppm	AAS
Ag	Silver	0.2	ppm	AAS
Mn	Manganese	5	ppm	AAS
As	Arsenic	1	ppm	AAS
Mo	Molybdenum	2	ppm	AAS
Fe	Iron	0.02	pct	AAS
Hg	Mercury	10	ppb	AAS
LOI	Loss-on-ignition	1.0	pct	GRAV
U	Uranium	0.5	ppm	NADNC
F	Fluorine	20	ppm	ISE
V	Vanadium	5	ppm	AAS
Cd	Cadmium	0.2	ppm	AAS
Sb	Antimony	0.2	ppm	AAS
W	Tungsten	2	ppm	COL
Ba	Barium	40	ppm	DCP
Sn	Tin	1	ppm	AAS
Au	Gold	1	ppb	FA – NA
WATERS:				
F	Fluoride	20	ppb	ISE
pH	Hydrogen ion activity			GCM
U	Uranium	0.05	ppb	LIF

AAS - Atomic absorption spectrometry
COL - Colorimetry using dithiol
DCP - Direct current plasma emission spectroscopy
FA-NA - Fire assay preconcentration - neutron activation
GCM - Glass Calomel electrode and pH meter
GRAV - Gravimetry
ISE - Ion selective electrode
LIF - Laser-induced fluorescence
NADNC - Neutron Activation delayed neutron counting

TABLE 2. FIELD DATA DESCRIPTIONS

FIELD RECORD	DEFINITION	TEXT CODE
MAP SHEET	National topographic system (NTS): lettered quadrangle (1:250,000 scale or 1:50,000 scale). Part of sample number.	e.g. 21Ø, 21P
SAMPLE ID	Remainder of sample number:	
	Year (of collection)	88
	Field crew	1, 3, 5 or 7
	Sample sequence number	001 – 999
REP STAT	Replicate status; relationship of the sample to others within the survey:	
	Routine sample site	00
	First of duplicate pair	10
	Second of a duplicate pair	20
UTM	Universal Transverse Mercator (UTM) Coordinate system; digitized sample location coordinates.	
ZN	Zone 7 to 22	
EASTING	UTM Easting in metres	
NORTHING	UTM Northing in metres	
ROCK TYPE	Major rock type of stream catchment area:	
	Jurassic	
	olivine diabase	Jm
	Pennsylvanian	
	Clifton Formation: grey and red sandstone, conglomerate, siltstone and shale; minor coal	Ps2
	Bathurst Formation: red and grey sandstone, siltstone, shale and conglomerate; minor coal	Ps1
	Mississippian	
	red and brown sandstone, shale and conglomerate	Ms
	Devonian	
	maroon and orange flow-banded and massive rhyolite, rhyolite agglomerate, tuff, breccia and dacite (?)	Dfv
	amygdaloidal basalt, basaltic tuff and breccia, palagonite tuff, andesite, minor shale, mudstone and siltstone	Dmv
	calcareous mudstone, siltstone, sandstone, maroon and green sandstone, siltstone, conglomerate, limestone; includes minor felsic and mafic volcanic rock	Ds1
	granite, adamellite, granodiorite, quartz monzonite, quartz feldspar porphyry and related rocks	Df
	gabbro and diabase	Dm
	Silurian	
	Chaleur Group: calcareous siltsone, sandstone and shale, minor limestone, red slate, conglomerate (includes Perham Formation)	Ss2
	Ordovician and/or Silurian	
	argillaceous limestone, calcareous shale	OSs
	Ordovician	
	gneissic and cataclastic granite ..	Of2
	rhyolite and quartz feldspar metaporphyry (includes rocks of Ofv1 and Ofv2)	Of1
	metagabbro and metadiabase ..	Om1
	Ordovician and Older (?)	
	dark grey phyllite, graphitic slate, red and green manganiferous slate and chert, feldspathic lithic and quartzose greywacke and iron formation, minor limestone and conglomerate ...	Os3
	metabasalt, pillowed metabasalt, basaltic metatuff, minor metatrachyte (may include rocks of Os2, Ofv1 and Ofv2)	Omv2
	quartz and quartz feldspar metaporphyry, quartz sericite schist, quartz chlorite sericite schist, crystal metatuff (includes rocks of Os2 and Omv1)	Ofv2
	rhyolite metatuff, metaphyllite, rhyolite metaporphyry, quartz sericite, quartz chlorite sericite schist (includes rocks of Ofv2, Omv, Os1 and Of1)	Ofv1
	grey phyllite, metaquartzite, meta-greywacke, minor limestone, graphitic schist, hornfels (may include rocks of Os3, Ofv and Omv)	Os2

TABLE 2 – Continued

FIELD RECORD	DEFINITION	TEXT CODE
ROCK AGE	Stratigraphic age of dominant rock type in catchment basin:	
	Jurassic	47
	Pennsylvanian	33
	Mississippian	31
	Devonian-Lower	26
	Devonian	25
	Silurian	20
	Ordovician and/or Silurian	19
	Ordovician	15
	Ordovician and Older (?)	15
SAMPLE TYPE	Sample material collected:	
	Stream bed sediment only	Sed Only
	Spring or sediment seep	Spg Sed Only
	Heavy mineral concentrate	Hv Mn Cn
	Stream water only	Strm
	Natural groundwater, spring seep	Gr Wat
	Simultaneous stream sediment and water	Sed/Water
	Simultaneous spring or seep water and sediment	Spg Sep/ Sed
STREAM WIDTH	Stream width in decimetres	001-999
STREAM DEPTH	Water depth in decimetres	001-999
SAMPLE CONT.	Contamination; human or natural	
	None	-
	Possible	Possible
	Probable	Probable
	Definite	Definite
	Mining activity	Mining
	Industrial Sources	Industry
	Agricultural	Agricult
	Domestic or household	Domestic
	Forestry activity	Forestry
	Burned areas	Burn
BANK TYPE	Bank type; the general nature of the bank material adjacent to the sample site:	
	Alluvial	Alluv
	Colluvial (bare rock, residual or mountain soils)	Colluv
	Glacial till	Till
	Glacial outwash sediments	Outwash
	Bare rock	Bare Rk
	Talus scree	Tal/Scr
	Organic predominant (debris, peat, muskeg, swamp)	Organic
WATER COLOUR	Water colour; the general colour and suspended load of the sampled water:	
	Clear	Clear
	Brown transparent	Bn Trans
	White cloudy	Wh Cl'dy
	Brown cloudy	Bn Cl'dy
STREAM FLOW	Water flow rate:	
	Stagnant	Stagnt
	Slow	Slow
	Moderate	Modert
	Fast	Fast
	Torrential	Torrnt
SAMPLE COLOUR	Predominant sediment colour:	
	Red, brown	Rd-Bn
	White, buff	Wh-Bf
	Black	Black
	Yellow	Yellow
	Green	Green
	Grey, blue grey	Gy-Bu
	Pink	Pink
	Buff to brown	Bf-Bn
	Brown	Brown
SAMPLE COMP.	Sediment composition; description of the bulk mechanical composition of the collected sample on a scale of 0 to 3, the total of the columns must add to 3 or 4 or 5:	
	Size fractions are divided as follows:	
	Column 1 - >0.125 mm-sand	
	Column 2 - <0.125 mm - fines, silt and clay organics	
	Column 3 - organics	
	Amount of size fraction:	
	sum of amounts = 3 4 5	
	Absent 0 0 0	0
	Minor <33% 25% 20%	1
	Medium 33-67% 50% 40%	2
	Major >67% 75% 60%	3

TABLE 2 – Continued

FIELD RECORD	DEFINITION	TEXT CODE
BOTTOM PCPT.	Precipitate or stain; the presence of any coatings on pebbles, boulders or stream bottoms:	
	None	-
	Red-brown	Rd-Bn
	White or buff	Wh-Bf
	Black	Black
	Yellow	Yellow
	Green	Green
	Grey	Grey
	Pink	Pink
	Buff to brown	Bf-Bn
BANK STAIN	Distinctive precipitate, stains weathering on rocks in immediate catchment basin or stream banks:	
	None	-
	Red, brown (e.g., Fe)	Rd-Bn
	White buff (e.g., CO_3. Zn)	Wh-Bf
	Black (e.g., Fe, Mn, sulphides)	Black
	Yellow (e.g., Pb, U, Fe, Mo, REE)	Yellow
	Green (Cu, Ni, U, Mo, As, Fe)	Green
	Bluish (Zn, P)	Blue
	Pink (Co, As)	Pink
STREAM PHYSIOG.	General physiography of drainage basin:	
	Plain	Plain
	Muskeg, swampland	Swamp
	Peneplain, plateau	Penpln
	Hilly, undulating	Hill
	Mountainous, mature	Moun/M
	Mountainous, youthful (precipitous)	Moun/Y
STREAM DRAINAGE	Drainage pattern:	
	Poorly defined, haphazard	Poor
	Dendritic	Dendritic
	Herringbone	Herrbn
	Rectangular	Pectln
	Trellis	Trellis
	Discontinuous shield type (chains of lakes	Discnt
	Basinal (closed)	Closed
	Others	Other
STREAM TYPE	Stream type:	
	Undefined	Undfnd
	Permanent, continuous	Permnt
	Intermittent, seasonal	Intermit
	Re-emergent, discontinuous	Re-emerg
STREAM CLASS	Stream type:	
	Undefined	Undfnd
	Primary	Pri'ary
	Secondary	Sec'ary
	Tertiary	Ter'ary
	Quaternary	Qua'ary
STREAM SOURCE	Source of water:	
	Unknown	Unknown
	Groundwater	Ground
	Snow melt or spring run-off	Sp'g Melt
	Recent precipitation	Rec Rain
	Ice-cap or glacier meltwater	Glacier
MISC.	Refers to missing data in any field	*

National Geochemical Reconnaissance Stream Sediment and Water Geochemical Data. New Brunswick, 1989, GSC OF-1954, NGR 117-1989, NTS 0210, 021P
Field Data

Map Sheet	Sample ID	Rep Stat	UTM Zn	UTM Easting	UTM Northing	Rock Unit	Rock Age	Sample Type	Stream Width	Stream Depth	Sample Cont.	Bank Type	Water Colour	Stream Flow	Sample Colour	Sample Comp	Bottom Pcpt	Bank Pcpt	Stream Physiog.	Stream Drainage	Stream Type	Stream Class	Source
0210	883002	00	19	726246	5210172	Os2	15	Sed/Water	5	1	Forestry	Organic	Clear	Stagnt	Rd-Bn	121	-	-	Swamp	Dendrc	Intert	Pri'ary	Ground
0210	883003	00	19	726760	5213499	Os2	15	Sed/Water	70	5	Possible	Till	Clear	Fast	Gy-Blu	120	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883004	00	19	726693	5213169	Os2	15	Sed/Water	3	1	Possible	Bare Rk	BnTrans	Modert	Black	112	-	-	Penpln	Dendrc	Permnt	Pri'ary	Ground
0210	883005	00	19	726715	5213740	Os2	15	Sed/Water	8	1	Possible	Till	Clear	Fast	Rd-Bn	120	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883006	00	19	727739	5214896	Os2	15	Sed/Water	30	4	Possible	Till	Clear	Fast	Rd-Bn	112	-	-	Penpln	Dendrc	Permnt	Pri'ary	Ground
0210	883007	00	19	722252	5210859	Os2	15	Sed/Water	5	1	-	Till	Clear	Fast	Rd-Bn	121	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883009	00	19	722389	5210503	Os2	15	Sed/Water	8	2	-	Organic	Clear	Slow	Black	112	-	-	Penpln	Dendrc	Permnt	Pri'ary	Ground
0210	883010	00	19	722218	5210614	Os2	15	Sed/Water	30	5	-	Till	Clear	Fast	Rd-Bn	121	-	-	Penpln	Dendrc	Permnt	Pri'ary	Ground
0210	883011	10	19	710933	5213135	Os2	15	Sed/Water	4	1	Possible	Organic	Clear	Modert	Rd-Bn	112	-	-	Penpln	Dendrc	Permnt	Pri'ary	Ground
0210	883012	20	19	710933	5213135	Os2	15	Sed/Water	4	1	Possible	Organic	Clear	Modert	Rd-Bn	112	-	-	Penpln	Dendrc	Permnt	Pri'ary	Ground
0210	883013	00	19	710756	5213217	Os2	15	Sed/Water	6	2	Possible	Organic	Clear	Modert	Rd-Bn	112	-	-	Penpln	Dendrc	Permnt	Pri'ary	Ground
0210	883014	00	19	709204	5214105	Os2	15	Sed/Water	4	1	-	Till	Clear	Modert	Black	112	-	Rd-Bn	Penpln	Dendrc	Permnt	Pri'ary	Ground
0210	883015	00	19	709148	5214204	Os2	15	Sed/Water	10	1	-	Till	Clear	Fast	Rd-Bn	121	Rd-Bn	Rd-Bn	Penpln	Dendrc	Permnt	Pri'ary	Ground
0210	883016	00	19	710495	5213894	Os2	15	Sed/Water	5	1	-	Organic	Clear	Modert	Rd-Bn	121	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883017	00	19	709748	5212971	Os2	15	Sed/Water	6	1	-	Organic	Clear	Modert	Rd-Bn	121	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883018	00	19	709707	5212210	Os2	15	Sed/Water	7	2	-	Organic	Clear	Fast	Rd-Bn	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883019	00	19	710999	5214129	Os2	15	Sed/Water	10	2	-	Till	Clear	Fast	Bf-Bn	220	Rd-Bn	Rd-Bn	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883020	00	19	709843	5215807	Os2	15	Sed/Water	4	1	-	Till	Clear	Fast	Rd-Bn	121	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883022	00	19	709700	5215972	Os2	15	Sed/Water	6	1	-	Till	Clear	Fast	Rd-Bn	121	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883023	00	19	714287	5215230	Ofv1	15	Sed/Water	20	2	-	Till	Clear	Fast	Rd-Bn	211	-	-	Hill	Dendrc	Permnt	Sec'ary	Ground
0210	883025	00	19	726182	5216079	Os2	15	Sed/Water	5	1	-	Till	BnTrans	Fast	Rd-Bn	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883026	00	19	725366	5214045	Os2	15	Sed/Water	4	3	-	Organic	Clear	Slow	Rd-Bn	022	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
0210	883027	00	19	724255	5212083	Os2	15	Sed/Water	50	4	-	Till	Clear	Modert	Rd-Bn	112	-	-	Hill	Dendrc	Permnt	Sec'ary	Ground
0210	883028	10	19	717762	5209213	Os2	15	Sed/Water	5	1	-	Alluv	Clear	Modert	Rd-Bn	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883029	20	19	717762	5209213	Os2	15	Sed/Water	5	1	-	Alluv	Clear	Modert	Rd-Bn	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883030	00	19	716882	5209069	Os2	15	Sed/Water	30	5	-	Till	Clear	Fast	Rd-Bn	220	-	-	Penpln	Dendrc	Permnt	Pri'ary	Ground
0210	883031	00	19	709922	5209307	Of2	15	Sed/Water	10	3	-	Organic	Clear	Modert	Rd-Bn	121	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883032	00	19	715114	5210635	Os2	15	Sed/Water	20	3	-	Till	Clear	Fast	Rd-Bn	121	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883033	00	19	719912	5209233	Os2	15	Sed/Water	4	1	-	Bare Rk	Clear	Modert	Rd-Bn	121	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883034	00	19	719603	5209306	Os2	15	Sed/Water	6	1	-	Bare Rk	Clear	Modert	Rd-Bn	121	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883035	00	19	719599	5209428	Os2	15	Sed/Water	15	2	-	Till	Clear	Modert	Rd-Bn	112	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883036	00	19	711593	5210290	Of2	15	Sed/Water	20	4	-	Organic	Clear	Stagnt	Rd-Bn	022	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
0210	883037	00	19	712820	5211212	Of2	15	Sed/Water	8	2	-	Alluv	Clear	Modert	Rd-Bn	121	-	-	Penpln	Dendrc	Permnt	Pri'ary	Ground
0210	883038	00	19	712229	5211605	Of2	15	Sed/Water	20	4	-	Organic	Clear	Stagnt	Rd-Bn	022	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
0210	883039	00	19	714514	5212607	Of2	15	Sed/Water	5	1	-	Organic	Clear	Modert	Rd-Bn	121	-	-	Penpln	Dendrc	Permnt	Pri'ary	Ground
0210	883040	00	19	714646	5212129	Of2	15	Sed/Water	20	2	-	Till	Clear	Fast	Rd-Bn	121	-	-	Penpln	Dendrc	Permnt	Pri'ary	Ground
0210	883042	00	19	719529	5215111	Of2	15	Sed/Water	7	1	-	Bare Rk	Clear	Fast	Rd-Bn	122	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883043	00	19	719797	5215130	Os2	15	Sed/Water	5	1	-	Organic	BnTrans	Fast	Rd-Bn	121	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883044	00	19	717157	5213462	Of2	15	Sed/Water	30	3	-	Till	Clear	Fast	Rd-Bn	121	-	-	Hill	Dendrc	Permnt	Ter'ary	Ground
0210	883045	10	19	725868	5218477	Os2	15	Sed/Water	20	2	-	Till	Clear	Fast	Rd-Bn	121	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground

National Geochemical Reconnaissance Stream Sediment and Water Geochemical Data. New Brunswick, 1989, GSC OF-1954, NGR 117-1989, NTS 021O, 021P
Analytical Data

Variable:			Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au/Wt	Au	Au/Wt	F-W	pH	U-W
Units:			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb		ppb
Detection Limit:			2	2	2	2	2	0.2	5	1	2	.02	10	1	0.5	20	5	0.2	0.2	2	40	1	1-var	wt	1-var	wt	20		0.05
Analytical Method:			AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	ISE	GCM	LIF
0210	883002	00	67	8	20	11	7	<	325	3	<	2.27	52	12.2	27.2	192	24	0.2	<	2	422	3	<1	10.0	-	-	90.	6.7	<
0210	883003	00	59	10	18	10	5	<	166	5	<	1.87	66	8.3	26.1	167	16	0.2	<	2	422	3	1.	10.0	-	-	60.	6.1	<
0210	883004	00	48	6	25	4	2	<	51	2	<	0.71	131	52.6	2.0	90	7	0.4	<	2	246	7	2.	10.0	-	-	50.	5.1	<
0210	883005	00	22	2	16	3	<	<	35	1	<	0.73	62	16.4	3.1	193	<	0.2	<	2	518	6	<1	10.0	-	-	50.	5.0	<
0210	883006	00	66	8	27	11	14	<	888	8	<	2.85	50	13.8	2.2	295	17	<	0.2	2	457	2	1.	10.0	-	-	50.	5.8	<
0210	883007	00	24	2	11	3	4	<	140	2	<	0.97	28	6.0	2.2	103	7	0.2	<	2	387	1	<1	10.0	-	-	60.	5.3	<
0210	883009	00	37	6	12	6	4	<	189	1	<	1.16	38	7.1	4.3	129	6	0.2	<	2	378	3	<1	10.0	-	-	60.	6.1	<
0210	883010	00	45	4	17	8	10	<	657	2	<	1.44	38	10.0	3.9	123	9	0.3	<	2	397	<	<1	10.0	-	-	60.	6.1	<
0210	883011	10	55	6	24	10	16	<	664	1	<	1.16	76	22.0	5.0	154	9	0.6	<	2	371	<	<1	10.0	-	-	70.	5.8	<
0210	883012	20	66	7	30	11	18	<	501	2	<	1.37	79	25.4	2.1	175	13	0.6	<	2	364	2	<1	10.0	-	-	70.	6.0	<
0210	883013	00	40	7	20	8	8	<	428	2	<	1.72	52	13.1	4.5	172	10	0.3	<	2	394	1	<1	10.0	-	-	70.	6.0	<
0210	883014	00	63	5	15	10	9	<	458	2	<	2.14	66	19.7	8.7	149	16	<	<	2	332	2	<1	10.0	-	-	80.	6.0	<
0210	883015	00	54	6	16	9	11	<	110	2	<	1.65	35	9.0	5.2	104	16	0.2	<	2	370	5	<1	10.0	-	-	60.	6.3	<
0210	883016	00	133	8	53	13	124	<	13100	14	2	6.60	155	47.2	5.2	117	27	0.7	0.2	2	332	3	1.	10.0	-	-	70.	5.9	<
0210	883017	00	111	7	56	13	82	0.2	6640	12	<	7.51	152	44.8	6.1	70	37	0.9	0.2	2	308	<	1.	10.0	-	-	70.	5.9	<
0210	883018	00	109	7	44	15	91	<	6050	9	<	5.98	110	25.5	3.7	214	35	0.3	0.2	2	401	<	<1	10.0	-	-	60.	5.9	<
0210	883019	00	40	10	15	8	9	<	672	6	<	1.96	17	3.4	4.3	132	14	<	0.3	2	430	7	<1	10.0	-	-	50.	6.0	<
0210	883020	00	109	15	31	19	42	<	1677	8	<	3.77	59	16.7	4.7	192	15	0.4	0.2	2	462	8	<1	10.0	-	-	50.	6.0	<
0210	883022	00	80	11	25	14	28	<	1074	7	<	2.80	52	10.3	12.1	167	18	0.6	0.2	2	456	3	1.	10.0	-	-	70.	6.5	<
0210	883023	00	254	38	85	16	18	<	1136	7	<	2.48	28	5.8	11.8	264	18	0.8	0.3	2	444	3	1.	10.0	-	-	60.	6.5	<
0210	883025	00	10	2	11	3	<	<	21	<	<	0.28	38	12.8	3.2	87	5	<	<	2	335	2	<1	10.0	-	-	60.	4.7	<
0210	883026	00	52	6	30	4	3	<	53	1	<	1.16	248	62.6	5.0	73	7	<	<	2	174	<	1.	10.0	-	-	40.	4.9	<
0210	883027	00	41	3	16	6	5	<	189	8	<	3.16	41	7.9	10.3	150	13	<	<	2	320	2	1.	10.0	-	-	50.	6.2	<
0210	883028	10	75	7	57	13	88	<	11799	6	<	3.11	114	22.7	10.1	186	22	0.4	<	2	395	5	1.	10.0	-	-	50.	6.0	<
0210	883029	20	44	5	25	8	28	<	3243	3	<	1.71	66	12.5	9.7	177	14	<	<	2	452	2	<1	10.0	-	-	60.	5.9	<
0210	883030	00	36	5	13	6	7	<	276	2	<	1.52	21	3.9	5.2	188	13	<	<	2	466	3	2.	10.0	-	-	60.	6.3	<
0210	883031	00	163	7	40	11	19	<	4740	4	2	1.93	114	45.6	7.5	183	15	1.3	<	2	314	1	1.	10.0	-	-	70.	6.1	<
0210	883032	00	134	3	29	5	23	<	3036	11	2	3.34	107	19.6	9.0	201	19	0.4	<	2	383	3	<1	10.0	-	-	60.	6.2	<
0210	883033	00	82	8	75	14	50	0.2	14490	7	3	5.42	114	19.8	5.5	206	44	1.8	0.2	2	409	3	<1	10.0	-	-	40.	6.0	<
0210	883034	00	150	4	34	9	10	<	2898	4	<	2.89	62	10.5	8.2	228	27	0.3	0.2	2	396	3	<1	10.0	-	-	40.	6.0	<
0210	883035	00	61	5	22	10	13	<	811	5	<	2.59	55	12.2	3.7	242	16	0.2	<	2	406	1	<1	10.0	-	-	50.	6.2	<
0210	883036	00	62	5	16	6	7	<	526	2	2	1.06	141	52.7	15.5	149	13	1.5	0.2	2	161	<	2.	10.0	-	-	60.	6.3	<
0210	883037	00	121	5	12	7	6	<	227	1	<	1.76	86	28.4	15.5	369	16	0.6	<	2	413	2	1.	10.0	-	-	50.	6.4	<
0210	883038	00	73	4	8	6	4	<	136	1	2	0.55	93	55.6	4.9	116	10	1.1	<	2	107	2	<1	10.0	-	-	50.	6.4	<
0210	883039	00	57	4	15	3	2	<	44	1	<	0.55	114	35.6	10.7	137	7	0.8	<	2	292	1	<1	10.0	-	-	50.	5.7	<
0210	883040	00	39	5	9	3	2	<	58	1	2	0.50	68	25.4	8.0	136	5	0.7	<	2	329	1	1.	10.0	-	-	50.	5.7	<
0210	883042	00	68	6	23	8	20	<	4400	50	2	3.91	66	12.0	5.7	228	27	<	0.7	2	328	2	<1	10.0	-	-	50.	6.1	<
0210	883043	00	52	6	26	9	13	0.2	435	13	2	2.79	36	7.2	4.0	252	21	<	0.3	2	300	1	<1	10.0	-	-	50.	5.9	<
0210	883044	00	82	15	22	12	7	0.2	277	8	<	2.51	26	5.4	5.8	295	17	<	0.3	2	326	2	<1	10.0	-	-	40.	6.2	<
0210	883045	10	54	9	10	9	10	<	798	7	<	1.80	30	3.3	4.6	246	10	<	0.2	2	364	1	1.	10.0	-	-	40.	6.3	<

Map Sheet	Sample ID	Rep Stat	UTM Zn	Easting	Northing	Rock Unit	Age	Sample Type	Stream Width	Depth	Sample Cont.	Bank Type	Water Colour	Stream Flow	Sample Colour	Comp	Bottom Pcpt	Bank Pcpt	Stream Physiog.	Drainage	Type	Stream Class	Source
0210	883046	20	19	725868	5218477	Os2	15	Sed/Water	20	2	-	Till	Clear	Fast	Rd-Bn	121	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883047	00	19	723756	5218866	Of2	15	Sed/Water	15	2	-	Till	Clear	Fast	Rd-Bn	121	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883048	00	19	720508	5218122	Of2	15	Sed/Water	15	2	-	Organic	Clear	Slow	Rd-Bn	112	-	-	Penpln	Dendrc	Permnt	Pri'ary	Ground
0210	883049	00	19	727098	5219939	Os2	15	Sed/Water	4	1	-	Till	BnTrans	Slow	Rd-Bn	121	-	-	Penpln	Dendrc	Permnt	Pri'ary	Ground
0210	883050	00	19	722985	5220659	Os2	15	Sed/Water	10	2	-	Organic	BnTrans	Modert	Rd-Bn	022	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
0210	883051	00	19	723023	5220479	Os2	15	Sed/Water	8	3	-	Organic	BnTrans	Modert	Rd-Bn	022	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
0210	883052	00	19	721761	5220480	Os2	15	Sed/Water	10	2	-	Organic	BnTrans	Modert	Rd-Bn	121	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
0210	883053	00	19	723439	5220132	Os2	15	Sed/Water	8	3	-	Organic	Clear	Slow	Rd-Bn	121	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
0210	883054	00	19	726324	5219946	Os2	15	Sed/Water	15	4	Forestry	Till	BnTrans	Fast	Rd-Bn	121	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883055	00	19	726153	5219855	Os2	15	Sed/Water	15	3	Forestry	Till	BnTrans	Fast	Rd-Bn	121	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883056	00	19	716829	5220779	Os2	15	Sed/Water	7	2	-	Organic	Clear	Modert	Rd-Bn	022	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883057	00	19	710408	5218414	Os2	15	Sed/Water	8	1	-	Outwash	Clear	Modert	Rd-Bn	121	-	-	Penpln	Dendrc	Permnt	Pri'ary	Ground
0210	883058	00	19	710536	5218941	Os2	15	Sed/Water	5	1	-	Bare Rk	Clear	Modert	Rd-Bn	121	-	-	Penpln	Dendrc	Permnt	Pri'ary	Ground
0210	883059	00	19	709901	5219822	Os2	15	Sed/Water	20	3	-	Outwash	Clear	Fast	Rd-Bn	121	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883062	00	19	709425	5219663	Os2	15	Sed/Water	5	1	-	Bare Rk	Clear	Stagnt	Rd-Bn	121	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883063	00	19	713379	5227325	Os2	15	Sed/Water	8	2	-	Bare Rk	Clear	Fast	Rd-Bn	121	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883064	00	19	714715	5226129	Os2	15	Sed/Water	10	2	-	Outwash	Clear	Modert	Rd-Bn	121	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883065	00	19	714740	5225872	Os2	15	Sed/Water	30	4	-	Till	Clear	Fast	Rd-Bn	112	-	-	Hill	Dendrc	Permnt	Sec'ary	Ground
0210	883066	00	19	713659	5225326	Ofv2	15	Sed/Water	8	2	Probable	Bare Rk	Clear	Fast	Rd-Bn	121	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883067	00	19	713221	5225614	Os2	15	Sed/Water	6	1	-	Bare Rk	Clear	Modert	Rd-Bn	121	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883068	00	19	714777	5223033	Os2	15	Sed/Water	8	1	-	Till	Clear	Modert	Rd-Bn	121	-	-	Penpln	Dendrc	Permnt	Pri'ary	Ground
0210	883069	00	19	712877	5218143	Os2	15	Sed/Water	10	1	-	Till	Clear	Modert	Rd-Bn	120	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883070	00	19	712463	5216413	Os2	15	Sed/Water	10	1	-	Till	Clear	Modert	Rd-Bn	120	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883072	00	19	712346	5216398	Os2	15	Sed/Water	30	3	-	Outwash	Clear	Fast	Rd-Bn	121	Rd-Bn	Rd-Bn	Penpln	Dendrc	Permnt	Sec'ary	Ground
0210	883073	00	19	712618	5215859	Os2	15	Sed/Water	5	1	-	Bare Rk	Clear	Modert	Rd-Bn	112	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883074	10	19	719040	5216446	Of2	15	Sed/Water	8	2	-	Till	Clear	Modert	Rd-Bn	021	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883075	20	19	719040	5216446	Of2	15	Sed/Water	8	2	-	Till	Clear	Modert	Rd-Bn	021	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883076	00	19	717335	5217022	Ofv1	15	Sed/Water	10	2	-	Organic	Clear	Slow	Rd-Bn	120	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
0210	883077	00	19	717048	5217209	Ofv1	15	Sed/Water	8	2	-	Organic	Clear	Slow	Rd-Bn	121	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
0210	883078	00	19	716983	5219081	Os2	15	Sed/Water	4	1	-	Till	Clear	Modert	Rd-Bn	112	-	-	Penpln	Dendrc	Permnt	Pri'ary	Ground
0210	883079	00	19	717081	5219197	Os2	15	Sed/Water	15	2	-	Till	Clear	Fast	Green	030	-	-	Penpln	Dendrc	Permnt	Pri'ary	Ground
0210	883080	00	19	715390	5219603	Os2	15	Sed/Water	15	2	-	Till	Clear	Fast	Rd-Bn	121	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	883082	00	19	715357	5219426	Os2	15	Sed/Water	7	1	-	Bare Rk	Clear	Modert	Rd-Bn	121	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885002	00	19	717707	5228044	Os2	15	Sed/Water	10	1	Forestry	Till	Clear	Slow	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885004	00	19	711498	5224028	Os2	15	Sed/Water	22	2	-	Till	Clear	Modert	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885005	00	19	710935	5224614	Ofv1	15	Sed/Water	22	1	-	Till	Clear	Slow	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885006	00	19	711065	5224767	Os2	15	Sed/Water	22	2	-	Alluv	Clear	Modert	Gy-Blu	211	Black	Black	Swamp	Dendrc	Permnt	Pri'ary	Ground
0210	885007	00	19	712407	5222204	Os2	15	Sed/Water	22	1	-	Till	Clear	Slow	Gy-Blu	211	Black	Black	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885008	00	19	712252	5222775	Ofv2	15	Sed/Water	25	2	-	Till	Clear	Modert	Gy-Blu	211	Black	Black	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885009	10	19	720083	5224943	Os2	15	Sed/Water	22	2	Forestry	Till	BnTrans	Slow	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground

Analytical Data

Variable:			Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au/Wt	Au	Au/Wt	F-W	pH	U-W
Units:			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb		ppb
Detection Limit:			2	2	2	2	2	0.2	5	1	2	.02	10	1	0.5	20	5	0.2	0.2	2	40	1	1-var	wt	1-var	wt	20		0.05
Analytical Method:			AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	ISE	GCM	LIF
0210	883046	20	54	10	10	11	11	0.3	886	8	<	1.93	23	3.5	4.5	289	11	<	0.2	2	449	1	<1	10.0	-	-	40.	6.3	<
0210	883047	00	64	12	15	15	13	<	866	10	<	2.16	50	6.4	5.3	274	20	<	0.3	2	475	2	<1	10.0	-	-	60.	6.4	<
0210	883048	00	135	15	54	16	13	0.2	1584	8	2	2.00	178	64.1	8.7	237	14	1.3	0.2	2	220	1	<1	10.0	-	-	50.	6.6	<
0210	883049	00	52	19	41	9	4	1.1	176	4	<	1.88	175	56.2	6.8	263	<	<	0.2	2	262	<	<1	10.0	-	-	50.	5.3	<
0210	883050	00	129	7	43	6	13	0.3	2772	13	2	2.19	266	52.8	7.3	152	11	1.0	0.2	2	149	1	4.	10.0	<4	2.50	50.	5.8	<
0210	883051	00	103	7	42	7	4	0.3	809	8	2	1.68	261	50.0	12.0	147	10	0.6	<	2	143	1	1.	10.0	-	-	60.	6.7	<
0210	883052	00	130	10	32	7	11	0.2	2618	8	4	1.46	231	56.5	11.6	119	7	0.8	0.2	2	133	7	1.	10.0	-	-	60.	6.2	<
0210	883053	00	145	8	47	8	10	0.4	3168	12	2	2.12	284	54.9	9.7	161	12	1.4	0.2	2	152	1	1.	10.0	-	-	50.	6.6	<
0210	883054	00	35	3	18	9	6	0.2	169	3	<	1.14	152	29.2	7.2	342	5	<	<	2	352	<	<1	10.0	-	-	50.	5.8	<
0210	883055	00	37	13	13	12	10	0.2	461	7	<	2.50	53	8.0	5.7	306	17	<	0.2	2	496	1	1.	10.0	-	-	50.	5.6	<
0210	883056	00	81	10	30	7	19	0.2	1760	9	<	2.22	92	19.3	6.3	244	9	<	0.2	2	400	1	<1	10.0	-	-	40.	6.0	<
0210	883057	00	146	78	104	22	18	0.3	572	13	<	3.18	46	9.1	7.1	413	27	<	0.4	2	384	2	1.	10.0	-	-	50.	6.5	<
0210	883058	00	195	27	82	27	12	0.2	365	6	<	3.11	81	21.6	6.4	370	24	<	0.2	2	434	2	2.	10.0	-	-	40.	6.0	<
0210	883059	00	370	66	115	29	7	0.2	2222	11	<	3.64	59	13.3	6.7	391	24	0.9	0.3	2	410	3	1.	10.0	-	-	40.	6.4	<
0210	883062	00	53	18	45	8	50	1.2	1210	8	<	3.64	228	47.7	5.7	223	11	<	0.3	2	334	2	1.	10.0	-	-	40.	5.4	<
0210	883063	00	430	27	42	107	126	0.4	14300	73	<	4.99	135	42.5	6.2	271	17	3.9	0.5	2	485	5	<1	10.0	-	-	30.	6.0	<
0210	883064	00	348	31	38	100	103	0.4	11462	80	4	5.46	119	33.4	5.8	249	18	2.4	0.6	2	446	3	1.	10.0	-	-	30.	6.2	<
0210	883065	00	178	15	17	30	19	<	1024	12	<	3.26	43	11.1	9.9	357	33	<	0.3	2	375	4	<1	10.0	-	-	40.	6.5	0.25
0210	883066	00	226	27	27	40	28	0.2	5456	7	<	3.31	96	19.9	7.0	387	18	<	0.3	2	473	5	<1	10.0	-	-	30.	6.6	<
0210	883067	00	130	14	38	15	7	0.5	514	6	<	2.19	106	25.5	13.1	347	12	0.8	0.3	2	411	5	2.	10.0	-	-	50.	6.7	<
0210	883068	00	86	9	26	24	28	0.4	1364	5	<	3.24	69	9.8	5.2	342	15	<	0.2	2	508	6	<1	10.0	-	-	40.	6.5	<
0210	883069	00	67	6	16	8	7	0.2	244	3	<	1.70	26	4.6	4.3	232	8	<	0.2	2	320	3	1.	10.0	-	-	40.	6.5	<
0210	883070	00	91	7	20	10	9	<	319	6	<	2.01	26	5.2	4.4	224	10	<	0.2	2	344	3	<1	10.0	-	-	40.	6.5	<
0210	883072	00	181	41	65	20	14	0.4	777	9	<	2.68	30	48.2	5.4	299	19	0.6	0.3	2	407	3	2.	10.0	-	-	40.	7.1	<
0210	883073	00	167	28	35	40	98	0.2	3256	7	<	3.18	135	42.4	5.5	221	15	0.9	0.2	2	325	4	2.	10.0	-	-	40.	7.0	<
0210	883074	10	144	7	38	11	50	<	>>	86	5	5.26	135	33.0	5.2	194	27	0.6	0.7	2	424	4	<1	10.0	-	-	40.	6.5	<
0210	883075	20	169	9	46	11	67	0.2	>>	118	6	6.41	147	30.5	5.8	228	39	1.2	1.1	2	706	5	1.	10.0	-	-	50.	6.4	<
0210	883076	00	85	6	34	5	16	0.2	2068	17	<	2.52	154	27.8	5.3	173	16	1.3	0.3	2	327	<	<1	10.0	-	-	40.	6.2	<
0210	883077	00	72	3	35	8	9	0.2	682	15	<	2.61	102	14.3	5.5	236	31	0.6	0.2	2	339	2	1.	10.0	-	-	60.	6.3	<
0210	883078	00	138	10	15	18	26	<	2376	12	<	3.07	42	7.7	6.0	303	25	<	0.2	2	473	2	2.	10.0	-	-	50.	6.5	<
0210	883079	00	67	15	11	17	13	<	904	6	<	2.73	16	4.6	5.6	334	23	<	0.3	2	607	3	<1	10.0	-	-	40.	6.6	<
0210	883080	00	82	9	16	14	12	<	352	7	<	2.20	33	5.3	5.4	264	20	<	0.2	2	419	1	<1	10.0	-	-	40.	6.6	<
0210	883082	00	219	14	30	27	48	<	8096	17	<	3.47	70	14.7	6.2	294	18	0.6	0.3	2	453	2	2.	10.0	-	-	50.	6.6	<
0210	885002	00	73	22	23	27	18	<	398	4	<	2.73	35	9.2	5.9	313	47	<	0.8	2	469	5	<1	10.0	-	-	30.	6.4	<
0210	885004	00	485	21	75	29	18	0.4	1196	41	<	3.79	86	8.4	8.1	703	32	<	0.8	2	1010	4	<1	10.0	-	-	40.	7.7	<
0210	885005	00	204	13	81	17	17	0.4	1728	58	<	3.50	68	12.3	5.8	553	29	<	0.6	2	1250	2	<1	10.0	-	-	30.	7.4	<
0210	885006	00	580	18	105	23	17	0.6	1920	38	2	3.03	83	8.8	8.5	768	24	2.3	0.5	2	1250	4	2.	10.0	-	-	30.	7.5	<
0210	885007	00	139	12	37	28	26	0.3	1048	7	2	2.77	83	11.4	5.7	341	17	<	<	2	541	1	<1	10.0	-	-	30.	7.0	<
0210	885008	00	681	18	112	21	30	0.5	9240	47	3	4.19	127	14.6	9.1	466	29	1.6	0.3	2	734	3	<1	10.0	-	-	40.	6.8	<
0210	885009	10	30	5	15	5	7	<	371	11	<	2.01	77	14.4	4.6	413	11	<	<	2	496	1	<1	10.0	-	-	30.	5.6	<

National Geochemical Reconnaissance Stream Sediment and Water Geochemical Data. New Brunswick, 1989, GSC OF-1954, NGR 117-1989, NTS 0210, 021P
Field Data

Map Sheet	Sample ID	Rep Stat	UTM Zn	Easting	Northing	Rock Unit	Age	Sample Type	Stream Width	Depth	Sample Cont.	Bank Type	Water Colour	Stream Flow	Sample Colour	Comp	Bottom Pcpt	Bank Pcpt	Stream Physiog.	Drainage	Type	Class	Source
0210	885010	20	19	720089	5224941	Os2	15	Sed/Water	22	2	Forestry	Till	BnTrans	Slow	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885011	00	19	717482	5227565	Os2	15	Sed/Water	10	1	-	Colluv	Clear	Stagnt	Gy-Blu	211	-	-	Hill	Dendrc	Intert	Pri'ary	Ground
0210	885012	00	19	717431	5227272	Os2	15	Sed/Water	10	1	-	Till	Clear	Stagnt	Gy-Blu	211	-	-	Hill	Dendrc	Intert	Pri'ary	Ground
0210	885013	00	19	717325	5226477	Os2	15	Sed/Water	22	2	-	Tal/Scr	BnTrans	Modert	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885014	00	19	717649	5226192	Os2	15	Sed/Water	8	1	-	Tal/Scr	Clear	Slow	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885015	00	19	717460	5225768	Os2	15	Sed/Water	8	1	-	Tal/Scr	BnTrans	Slow	Gy-Blu	112	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885016	00	19	708609	5231986	Ofv2	15	Sed/Water	21	1	Forestry	Organic	Clear	Slow	Wh-Bf	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885017	00	19	709015	5231038	Ofv1	15	Sed/Water	8	1	Possible	Colluv	Clear	Slow	Bf-Bn	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885018	00	19	708804	5231063	Ofv1	15	Sed/Water	68	2	-	Alluv	Clear	Modert	Bf-Bn	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885019	00	19	708946	5230444	Os2	15	Sed/Water	24	2	Forestry	Alluv	Clear	Slow	Bf-Bn	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885020	00	19	709103	5230703	Ofv1	15	Sed/Water	20	1	Possible	Till	Clear	Slow	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885022	00	19	709973	5227641	Omv2	15	Sed/Water	23	2	-	Colluv	Clear	Modert	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885023	00	19	710150	5226999	Os2	15	Sed/Water	40	2	-	Colluv	Clear	Modert	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885024	00	19	710430	5229281	Omv2	15	Sed/Water	8	2	-	Colluv	Clear	Modert	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885026	00	19	709464	5229658	Os2	15	Sed/Water	64	2	Forestry	Till	Clear	Fast	Bf-Bn	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885027	00	19	709699	5229358	Os2	15	Sed/Water	4	1	Forestry	Till	Clear	Slow	Bf-Bn	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885028	10	19	709431	5229492	Os2	15	Sed/Water	18	1	Forestry	Colluv	Clear	Modert	Bf-Bn	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885029	20	19	709434	5229489	Os2	15	Sed/Water	18	1	Forestry	Colluv	Clear	Modert	Bf-Bn	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885030	00	19	710904	5227740	Omv2	15	Sed/Water	32	2	-	Colluv	Clear	Fast	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885031	00	19	710866	5228143	Omv2	15	Sed/Water	5	1	-	Till	Clear	Slow	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885032	00	19	711374	5227666	Omv2	15	Sed/Water	15	1	-	Colluv	Clear	Modert	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885033	00	19	711295	5227308	Os2	15	Sed/Water	22	2	-	Till	Clear	Modert	Wh-Bf	111	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885034	00	19	711839	5226922	Omv2	15	Sed/Water	72	2	-	Colluv	Clear	Fast	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Sec'ary	Ground
0210	885035	00	19	711846	5226741	Os2	15	Sed/Water	25	2	-	Colluv	Clear	Fast	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885036	00	19	709627	5220986	Ofv2	15	Sed/Water	5	1	-	Alluv	Clear	Slow	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885037	00	19	709226	5221843	Os2	15	Sed/Water	5	1	-	Till	Clear	Slow	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885038	00	19	709030	5222026	Os2	15	Sed/Water	8	1	-	Till	Clear	Slow	Bf-Bn	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885039	00	19	709203	5222271	Omv2	15	Sed/Water	15	1	-	Alluv	Clear	Slow	Gy-Blu	220	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
0210	885040	00	19	708926	5223777	Omv2	15	Sed/Water	38	2	-	Alluv	Clear	Modert	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885042	00	19	708740	5223807	Omv2	15	Sed/Water	35	2	-	Colluv	Clear	Fast	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885043	00	19	709047	5222247	Os2	15	Sed/Water	32	2	-	Till	Clear	Fast	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885045	10	19	709891	5220700	Ofv2	15	Sed/Water	44	2	-	Till	Clear	Fast	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885046	20	19	709891	5220700	Ofv2	15	Sed/Water	44	2	-	Till	Clear	Fast	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885047	00	19	709605	5233617	Ofv1	15	Sed/Water	32	1	Possible	Till	Clear	Modert	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885048	00	19	709489	5233767	Ofv1	15	Sed/Water	34	2	Possible	Till	Clear	Modert	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885049	00	19	710079	5234441	Ofv1	15	Sed/Water	25	2	Possible	Alluv	Clear	Modert	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885050	00	19	710721	5236354	Ofv1	15	Sed/Water	34	2	Forestry	Till	Clear	Fast	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885051	00	19	710841	5234953	Ofv1	15	Sed/Water	10	1	Forestry	Till	Clear	Slow	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885052	00	19	710631	5235229	Ofv1	15	Sed/Water	34	2	-	Alluv	Clear	Modert	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885053	00	19	710628	5234891	Ofv1	15	Sed/Water	33	2	Forestry	Alluv	Clear	Fast	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground

National Geochemical Reconnaissance Stream Sediment and Water Geochemical Data. New Brunswick, 1989, GSC OF-1954, NGR 117-1989, NTS 021O, 021P

Analytical Data

Variable:			Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au/Wt	Au	Au/Wt	F-W	pH	U-W
Units:			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb		ppb
Detection Limit:			2	2	2	2	2	0.2	5	1	2	.02	10	1	0.5	20	5	0.2	0.2	2	40	1	1-var	wt	1-var	wt	20		0.05
Analytical Method:			AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	ISE	GCM	LIF
0210	885010	20	40	6	15	5	7	<	400	12	<	2.26	73	15.2	4.8	420	8	<	<	2	483	2	<1	10.0	-	-	30.	5.6	<
0210	885011	00	141	19	29	36	53	<	2592	44	<	2.92	74	16.9	7.2	292	24	<	0.3	2	382	3	<1	10.0	-	-	30.	6.5	<
0210	885012	00	187	20	35	39	50	0.2	4344	53	<	3.28	97	24.2	7.3	303	22	0.5	0.8	2	375	4	1.	10.0	-	-	30.	6.7	<
0210	885013	00	246	27	37	62	71	0.3	7104	85	<	4.43	83	23.3	8.4	315	30	0.8	2.0	2	410	3	2.	10.0	-	-	30.	6.7	<
0210	885014	00	201	40	52	91	99	0.7	11232	228	2	6.47	204	30.2	10.0	408	35	0.6	1.5	4	347	3	2.	10.0	-	-	40.	6.4	<
0210	885015	00	127	23	57	49	69	0.5	5040	43	<	3.26	106	26.8	6.9	395	17	0.7	0.5	2	600	1	1.	10.0	-	-	30.	6.3	<
0210	885016	00	84	3	17	3	6	<	226	2	<	1.68	30	11.5	4.9	215	21	1.6	<	2	453	1	<1	10.0	-	-	40.	6.6	<
0210	885017	00	78	19	30	15	13	<	427	14	<	3.59	41	8.8	5.5	268	48	<	0.2	2	437	1	1.	10.0	-	-	40.	6.7	<
0210	885018	00	115	11	10	23	14	<	570	7	<	2.75	40	11.8	13.0	240	47	<	0.2	2	316	1	<1	10.0	-	-	40.	7.0	0.31
0210	885019	00	150	19	15	47	23	<	967	7	<	4.05	65	13.5	5.4	281	58	<	<	2	355	2	<1	10.0	-	-	30.	7.2	<
0210	885020	00	84	12	20	15	11	<	919	29	2	3.19	59	15.0	7.0	243	34	<	0.2	2	402	2	<1	10.0	-	-	30.	7.2	<
0210	885022	00	313	15	23	50	24	0.2	2448	12	2	3.67	68	13.4	11.3	443	42	0.5	<	2	541	3	<1	10.0	-	-	30.	7.4	<
0210	885023	00	476	5	30	12	9	<	1872	43	3	2.19	53	9.7	8.1	449	13	6.4	0.2	2	363	1	<1	10.0	-	-	30.	7.2	<
0210	885024	00	333	18	21	60	33	<	4224	38	5	3.78	84	20.4	10.4	362	45	1.7	0.2	2	612	2	<1	10.0	-	-	40.	7.0	<
0210	885026	00	120	12	11	27	14	<	1002	11	<	2.93	44	12.4	12.4	224	47	<	0.2	2	325	1	<1	10.0	-	-	40.	7.6	0.21
0210	885027	00	128	11	10	25	18	<	1093	12	2	3.01	38	9.0	11.2	293	44	<	0.2	2	365	2	<1	10.0	-	-	40.	7.6	<
0210	885028	10	336	18	40	32	28	<	2544	70	6	3.98	68	11.5	12.9	415	52	1.8	0.6	2	425	2	<1	10.0	-	-	30.	7.2	<
0210	885029	20	307	18	32	35	25	<	2136	59	6	3.62	56	10.8	11.6	383	47	1.3	0.6	2	455	3	<1	10.0	-	-	30.	7.1	<
0210	885030	00	227	11	15	36	18	<	936	8	<	2.93	38	7.6	8.0	459	43	<	0.2	2	522	2	<1	10.0	-	-	30.	7.0	<
0210	885031	00	105	9	9	25	14	<	570	12	<	2.97	27	5.3	11.3	208	46	<	0.2	2	341	1	<1	10.0	-	-	30.	6.7	<
0210	885032	00	148	10	11	27	17	<	724	11	<	3.13	35	7.9	9.8	294	47	<	0.2	2	353	1	<1	10.0	-	-	40.	7.2	<
0210	885033	00	248	12	14	23	16	<	1229	16	<	3.56	50	11.5	9.1	372	36	<	0.2	2	401	2	<1	10.0	-	-	30.	7.3	<
0210	885034	00	138	9	8	24	16	<	514	11	<	2.93	30	4.6	8.7	268	44	<	0.2	2	347	<	<1	10.0	-	-	40.	7.0	1.20
0210	885035	00	424	26	26	30	24	<	1272	7	3	4.17	50	10.0	4.1	450	58	<	0.2	2	338	4	1.	10.0	-	-	40.	7.6	<
0210	885036	00	264	31	33	32	23	0.2	523	7	<	2.94	56	9.7	7.0	460	27	<	0.2	2	447	5	<1	10.0	-	-	30.	6.6	<
0210	885037	00	300	29	29	31	25	0.2	1090	11	2	3.62	59	10.1	7.5	452	45	<	0.2	2	459	4	1.	10.0	-	-	30.	7.2	<
0210	885038	00	169	63	54	37	62	0.6	8376	13	6	8.25	124	22.2	7.8	428	9	0.3	0.2	2	447	5	1.	10.0	-	-	30.	7.0	<
0210	885039	00	416	25	30	36	27	<	2832	14	4	4.15	59	12.2	5.3	404	50	1.0	<	2	486	6	2.	10.0	-	-	40.	6.7	<
0210	885040	00	226	12	27	25	17	<	998	6	3	2.76	62	12.2	6.6	300	39	0.5	<	2	438	5	<1	10.0	-	-	40.	6.8	<
0210	885042	00	190	14	21	36	23	<	1704	13	3	3.67	56	12.5	6.2	310	47	0.3	<	2	420	4	14.	10.0	<2	5.00	30.	7.0	<
0210	885043	00	249	15	22	23	16	<	688	7	<	2.93	37	7.7	6.6	372	23	0.3	0.2	2	420	3	<1	10.0	-	-	30.	6.8	<
0210	885045	10	317	22	33	28	21	<	731	10	2	3.59	65	10.7	6.5	430	34	<	0.2	2	436	3	<1	10.0	-	-	30.	6.9	<
0210	885046	20	289	22	31	26	21	<	784	11	3	3.51	62	11.8	6.7	395	39	0.2	<	2	442	2	1.	10.0	-	-	30.	6.8	<
0210	885047	00	122	8	31	4	6	<	392	6	<	2.19	43	12.5	5.2	230	19	<	0.2	2	412	3	<1	10.0	-	-	50.	6.8	<
0210	885048	00	117	9	35	6	7	<	486	6	2	2.43	43	9.5	5.5	205	25	<	0.2	2	430	4	<1	10.0	-	-	40.	6.7	<
0210	885049	00	168	11	73	3	5	<	527	7	2	2.79	40	15.3	5.7	294	16	0.4	0.3	2	639	3	<1	10.0	-	-	40.	6.5	<
0210	885050	00	185	9	38	5	6	<	595	5	<	2.42	47	15.6	6.0	250	16	1.0	<	2	475	4	1.	10.0	-	-	40.	6.8	<
0210	885051	00	163	7	41	4	5	<	498	2	2	1.97	59	20.0	5.9	247	16	2.0	<	2	469	3	<1	10.0	-	-	40.	6.8	<
0210	885052	00	162	17	51	7	8	<	522	7	2	3.23	37	8.7	6.2	281	34	0.5	0.3	2	571	3	<1	10.0	-	-	30.	6.6	<
0210	885053	00	172	7	37	3	5	<	754	5	2	2.11	59	20.7	5.6	194	17	1.9	<	2	494	2	<1	10.0	-	-	50.	6.9	<

Map Sheet	Sample ID	Rep Stat	UTM Zn	Easting	Northing	Rock Unit	Age	Sample Type	Stream Width	Depth	Sample Cont.	Bank Type	Water Colour	Stream Flow	Sample Colour	Comp	Bottom Pcpt	Bank Pcpt	Stream Physiog.	Drainage	Stream Type	Stream Class	Source
0210	885054	00	19	711771	5231454	Ofv1	15	Sed/Water	20	1	Forestry	Till	Clear	Fast	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885055	00	19	710819	5231707	Ofv1	15	Sed/Water	19	3	Forestry	Organic	BnTrans	Modert	Gy-Blu	220	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
0210	885056	00	19	710989	5232801	Ofv2	15	Sed/Water	13	2	Forestry	Organic	BnTrans	Modert	Gy-Blu	220	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
0210	885057	00	19	710856	5232661	Ofv1	15	Sed/Water	38	3	Forestry	Organic	WhCl'dy	Modert	Gy-Blu	121	-	-	Plain	Dendrc	Permnt	Pri'ary	Ground
0210	885058	00	19	713081	5231084	Ofv1	15	Sed/Water	28	1	-	Till	Clear	Modert	Bf-Bn	121	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885059	00	19	713115	5230941	Ofv1	15	Sed/Water	24	2	-	Till	Clear	Modert	Bf-Bn	121	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885060	00	19	713344	5231030	Ofv1	15	Sed/Water	31	2	Forestry	Till	BnTrans	Fast	Bf-Bn	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885062	00	19	713277	5230614	Os2	15	Sed/Water	24	2	Forestry	Till	Clear	Fast	Bf-Bn	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885063	10	19	716418	5228541	Os2	15	Sed/Water	23	2	-	Till	Clear	Modert	Gy-Blu	220	Rd-Bn	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885064	20	19	716418	5228539	Os2	15	Sed/Water	23	2	-	Till	Clear	Modert	Gy-Blu	220	Rd-Bn	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885065	00	19	714829	5232388	Ofv1	15	Sed/Water	18	1	-	Colluv	Clear	Modert	Bf-Bn	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885066	00	19	714321	5233183	Ofv1	15	Sed/Water	22	1	-	Alluv	Clear	Modert	Bf-Bn	220	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
0210	885067	00	19	713709	5233117	Os3	15	Sed/Water	15	1	-	Colluv	Clear	Modert	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885068	00	19	713268	5234155	Ofv1	15	Sed/Water	18	2	-	Colluv	Clear	Modert	Bf-Bn	022	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885069	00	19	712978	5233631	Ofv1	15	Sed/Water	28	2	-	Colluv	Clear	Modert	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885071	00	19	712184	5233520	Os3	15	Sed/Water	5	1	-	Colluv	Clear	Modert	Bf-Bn	022	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885072	00	19	711916	5233681	Ofv1	15	Sed/Water	12	1	-	Colluv	Clear	Modert	Gy-Blu	022	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885073	00	19	715812	5226665	Os2	15	Sed/Water	74	3	-	Colluv	Clear	Fast	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Sec'ary	Ground
0210	885074	00	19	715739	5226879	Os2	15	Sed/Water	41	3	-	Colluv	Clear	Fast	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Sec'ary	Ground
0210	885075	00	19	715430	5227037	Os2	15	Sed/Water	17	2	-	Colluv	Clear	Modert	Bf-Bn	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885076	00	19	718399	5223663	Os2	15	Sed/Water	28	2	-	Colluv	Clear	Modert	Bf-Bn	220	-	Rd-Bn	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885077	00	19	717609	5223642	Os2	15	Sed/Water	28	1	-	Colluv	Clear	Modert	Gy-Blu	221	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885078	00	19	713960	5221163	Os2	15	Sed/Water	26	1	-	Alluv	Clear	Modert	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885079	00	19	713739	5221868	Os2	15	Sed/Water	12	1	Forestry	Alluv	BnTrans	Slow	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885080	00	19	714300	5229280	Os2	15	Sed/Water	8	1	-	Colluv	Clear	Slow	Bf-Bn	121	Rd-Bn	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885082	10	19	714148	5230003	Os2	15	Sed/Water	30	1	Mining	Colluv	Clear	Modert	Bf-Bn	220	Black	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885083	20	19	714148	5230003	Os2	15	Sed/Water	30	1	Mining	Colluv	Clear	Modert	Bf-Bn	220	Black	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885084	00	19	714989	5228675	Os2	15	Sed/Water	11	1	-	Alluv	Clear	Modert	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885085	00	19	716153	5229871	Os2	15	Sed/Water	6	1	-	Colluv	Clear	Slow	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885086	00	19	717954	5221712	Os2	15	Sed/Water	28	2	Forestry	Alluv	Clear	Fast	Bf-Bn	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885087	00	19	717926	5221554	Os2	15	Sed/Water	22	2	-	Till	BnTrans	Slow	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885088	00	19	719484	5221863	Os2	15	Sed/Water	24	1	-	Alluv	Clear	Slow	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885089	00	19	715233	5221425	Os2	15	Sed/Water	10	1	Forestry	Alluv	BnTrans	Slow	Gy-Blu	211	-	-	Hill	Poor	Permnt	Undefnd	Ground
0210	885090	00	19	726839	5226501	Os2	15	Sed/Water	28	1	Forestry	Till	Clear	Modert	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885091	00	19	726733	5226679	Os2	15	Sed/Water	42	2	Forestry	Till	Clear	Modert	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885092	00	19	727320	5226795	Os2	15	Sed/Water	61	2	-	Till	Clear	Modert	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Sec'ary	Ground
0210	885093	00	19	727272	5227524	Os2	15	Sed/Water	16	1	Forestry	Till	Clear	Modert	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885094	00	19	721069	5226435	Os2	15	Sed/Water	16	1	Forestry	Till	Clear	Modert	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885095	00	19	720961	5226300	Os2	15	Sed/Water	20	1	Forestry	Till	Clear	Slow	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885097	00	19	721546	5225783	Os2	15	Sed/Water	30	1	Forestry	Till	Clear	Modert	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground

Analytical Data

Variable:			Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au/Wt	Au	Au/Wt	F-W	pH	U-W
Units:			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb		ppb
Detection Limit:			2	2	2	2	2	0.2	5	1	2	.02	10	1	0.5	20	5	0.2	0.2	2	40	1	1-var	wt	1-var	wt	20		0.05
Analytical Method:			AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	ISE	GCM	LIF
0210	885054	00	101	14	34	13	12	0.2	491	18	3	3.17	71	17.0	8.3	355	29	<	0.2	2	458	4	<1	10.0	-	-	30.	6.6	<
0210	885055	00	81	6	12	5	4	<	239	1	<	1.42	43	12.6	5.3	248	10	<	<	2	473	3	<1	10.0	-	-	30.	6.4	<
0210	885056	00	110	6	23	6	7	<	287	4	2	1.32	99	14.9	6.6	186	15	0.2	<	2	417	4	<1	10.0	-	-	30.	5.8	<
0210	885057	00	162	23	42	18	12	<	365	17	<	2.97	37	9.4	7.3	339	39	<	0.2	2	464	3	2.	10.0	-	-	30.	6.4	<
0210	885058	00	261	17	41	14	25	<	3600	62	3	2.42	62	16.1	7.0	238	17	1.3	0.2	2	417	3	<1	10.0	-	-	40.	6.4	<
0210	885059	00	199	12	29	9	10	<	1050	38	2	2.29	78	13.5	5.5	299	15	0.9	<	4	472	3	<1	10.0	-	-	30.	6.4	<
0210	885060	00	257	20	27	21	15	<	1200	20	2	2.80	59	16.3	6.7	262	32	1.1	0.2	2	425	2	1.	10.0	-	-	30.	5.9	<
0210	885062	00	80	10	27	4	6	<	475	17	2	2.19	40	9.9	6.3	292	13	<	0.2	2	489	2	<1	10.0	-	-	40.	6.7	<
0210	885063	10	158	13	26	28	29	0.3	1704	7	<	1.77	71	18.9	5.0	274	14	0.8	<	2	410	4	<1	10.0	-	-	30.	6.7	<
0210	885064	20	153	13	23	24	30	0.2	1728	7	2	1.80	74	16.9	5.0	290	14	1.1	<	2	439	3	<1	10.0	-	-	30.	6.6	<
0210	885065	00	168	29	39	38	18	0.3	5520	350	4	3.72	109	27.8	24.1	257	27	0.7	2.1	2	386	6	6.	10.0	<10	1.00	30.	7.1	<
0210	885066	00	245	13	35	28	10	0.2	929	50	<	2.63	68	16.7	10.5	210	23	0.4	<	2	430	4	<1	10.0	-	-	40.	7.1	<
0210	885067	00	225	13	34	25	8	<	978	80	<	2.69	59	12.8	10.5	235	25	0.5	0.3	2	457	4	31.	10.0	<2	5.00	30.	7.0	<
0210	885068	00	366	28	93	21	10	<	5328	250	7	5.82	93	34.4	18.6	225	62	0.2	1.3	4	385	6	<1	10.0	-	-	30.	7.0	<
0210	885069	00	263	24	47	21	11	0.4	446	36	<	2.46	106	21.2	27.0	292	28	0.3	0.4	4	339	5	<1	10.0	-	-	30.	7.0	<
0210	885071	00	119	14	55	17	13	<	1073	300	9	3.99	43	19.6	26.8	311	41	<	1.9	6	329	5	3.	10.0	-	-	70.	7.8	0.09
0210	885072	00	760	19	107	21	17	0.8	3648	37	5	2.82	158	38.2	55.7	328	28	8.3	0.6	2	286	3	1.	10.0	-	-	40.	7.4	<
0210	885073	00	150	14	21	30	23	<	1512	14	<	3.58	43	11.5	11.0	312	30	0.3	0.4	2	274	3	<1	10.0	-	-	40.	7.1	0.14
0210	885074	00	170	13	17	28	19	<	842	18	<	3.32	28	6.8	7.2	396	28	0.3	0.3	2	348	2	<1	10.0	-	-	30.	6.7	<
0210	885075	00	277	36	33	78	149	0.3	7968	24	<	4.57	90	21.6	8.2	370	23	2.1	0.5	2	363	2	1.	10.0	-	-	30.	6.9	<
0210	885076	00	60	33	27	13	9	<	246	23	4	5.44	90	12.4	6.1	488	21	<	0.4	4	558	2	1.	10.0	-	-	30.	6.7	<
0210	885077	00	139	22	27	30	58	<	5472	48	<	4.31	56	10.0	5.8	387	26	<	0.7	2	476	3	<1	10.0	-	-	30.	6.7	<
0210	885078	00	301	25	49	30	33	<	1680	40	4	4.57	112	19.7	6.7	437	24	0.4	0.5	4	508	3	<1	10.0	-	-	40.	6.5	<
0210	885079	00	108	19	46	36	30	0.3	436	167	2	2.77	229	26.3	7.6	388	20	<	1.0	2	501	3	2.	10.0	-	-	30.	6.0	<
0210	885080	00	266	33	29	113	210	5.9	14280	142	5	16.85	146	28.4	11.1	445	18	0.8	2.5	2	355	1	1.	10.0	-	-	40.	6.2	<
0210	885082	10	191	24	30	51	84	5.6	11136	60	<	3.74	47	9.2	5.8	341	34	0.4	0.5	2	497	5	<1	10.0	-	-	30.	6.5	<
0210	885083	20	192	23	28	47	68	4.8	9000	53	<	3.47	43	8.8	56.5	337	35	0.6	0.5	2	513	4	1.	10.0	-	-	30.	6.5	<
0210	885084	00	327	22	37	97	76	0.2	3600	67	<	3.94	68	19.0	8.1	289	38	2.3	0.5	2	349	3	<1	10.0	-	-	40.	6.7	<
0210	885085	00	154	15	50	22	15	<	1608	82	2	2.98	105	23.3	21.3	340	23	0.2	0.7	4	455	5	1.	10.0	-	-	30.	6.7	<
0210	885086	00	129	19	27	26	75	<	3432	52	4	4.64	104	13.9	6.1	317	26	<	0.3	2	419	3	<1	10.0	-	-	30.	6.1	<
0210	885087	00	72	5	21	4	15	<	1153	11	<	1.98	62	9.3	4.9	210	15	<	<	2	363	2	<1	10.0	-	-	40.	6.6	<
0210	885088	00	37	4	9	3	3	<	132	1	<	1.33	34	7.0	3.5	209	10	0.4	<	4	351	<	<1	10.0	-	-	40.	6.5	<
0210	885089	00	66	9	21	8	3	0.3	150	2	<	1.78	130	11.2	5.7	371	18	<	<	2	520	1	<1	10.0	-	-	30.	5.7	<
0210	885090	00	75	11	26	9	66	<	6720	68	<	4.94	96	15.6	6.1	428	16	<	0.2	4	599	1	1.	10.0	-	-	40.	5.7	<
0210	885091	00	52	9	35	9	11	<	260	14	<	3.85	53	9.0	5.7	444	20	<	0.2	2	594	2	<1	10.0	-	-	30.	5.9	0.08
0210	885092	00	109	15	38	17	101	<	10560	88	4	6.58	62	12.3	51.6	316	19	<	0.6	2	507	2	<1	10.0	-	-	40.	6.1	<
0210	885093	00	140	13	39	13	47	<	7488	55	2	5.02	99	17.9	5.1	324	21	<	0.7	2	445	4	<1	10.0	-	-	40.	6.4	<
0210	885094	00	21	4	11	2	3	<	82	5	<	1.21	43	9.8	3.8	302	12	<	<	2	408	1	1.	10.0	-	-	30.	5.4	<
0210	885095	00	91	14	38	12	60	<	5088	53	<	5.50	78	16.8	5.6	355	17	<	0.2	2	545	2	<1	10.0	-	-	40.	6.2	<
0210	885097	00	62	14	28	9	12	<	410	31	2	4.70	68	11.9	6.4	428	20	<	0.2	2	614	3	<1	10.0	-	-	30.	5.9	<

National Geochemical Reconnaissance Stream Sediment and Water Geochemical Data. New Brunswick, 1989, GSC OF-1954, NGR 117-1989, NTS 021O, 021P
Field Data

Map Sheet	Sample ID	Rep Stat	UTM Zn	Easting	Northing	Rock Unit	Age	Sample Type	Stream Width	Depth	Sample Cont.	Bank Type	Water Colour	Stream Flow	Sample Colour	Comp	Bottom Pcpt	Bank Pcpt	Stream Physiog.	Drainage	Stream Type	Stream Class	Source
0210	885098	00	19	722498	5225522	Os2	15	Sed/Water	49	2	Forestry	Till	BnTrans	Modert	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885099	00	19	724737	5229995	Os2	15	Sed/Water	22	1	-	Colluv	Clear	Modert	Bf-Bn	022	Rd-Bn	Black	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885100	00	19	724595	5230096	Ofv2	15	Sed/Water	8	1	-	Till	Clear	Stagnt	Bf-Bn	022	Rd-Bn	Black	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885102	00	19	724443	5230587	Os3	15	Sed/Water	5	1	-	Till	Clear	Modert	Bf-Bn	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885103	00	19	723820	5230792	Os3	15	Sed/Water	11	1	-	Till	Clear	Slow	Bf-Bn	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885104	00	19	723484	5230783	Om1	15	Sed/Water	46	2	-	Bare Rk	Clear	Fast	Bf-Bn	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885105	10	19	719457	5229246	Os2	15	Sed/Water	30	2	Forestry	Till	Clear	Modert	Bf-Bn	022	Rd-Bn	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885106	20	19	719457	5229244	Os2	15	Sed/Water	30	2	Forestry	Till	Clear	Modert	Bf-Bn	022	Rd-Bn	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885107	00	19	718591	5229706	Os2	15	Sed/Water	14	1	Forestry	Alluv	Clear	Modert	Gy-Blu	021	Rd-Bn	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885108	00	19	717460	5230275	Os2	15	Sed/Water	12	1	-	Till	Clear	Modert	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885109	00	19	721662	5224493	Os2	15	Sed/Water	8	3	-	Alluv	Clear	Slow	Gy-Blu	211	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
0210	885110	00	19	721418	5224107	Os2	15	Sed/Water	28	2	-	Till	Clear	Modert	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885111	00	19	721734	5223112	Os2	15	Sed/Water	32	2	-	Till	Clear	Modert	Bf-Bn	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885112	00	19	724217	5226739	Os2	15	Sed/Water	49	3	Forestry	Till	BnTrans	Modert	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885113	00	19	724915	5224710	Os2	15	Sed/Water	42	1	-	Till	BnTrans	Modert	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885114	00	19	725845	5223450	Os2	15	Sed/Water	40	1	-	Till	Clear	Modert	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885115	00	19	720205	5222716	Os2	15	Sed/Water	60	1	-	Till	Clear	Modert	Gy-Blu	220	Rd-Bn	Black	Hill	Dendrc	Permnt	Sec'ary	Ground
0210	885116	00	19	714552	5233884	Ofv1	15	Sed/Water	20	1	Forestry	Till	Clear	Modert	Bf-Bn	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885117	00	19	714004	5234553	Ofv1	15	Sed/Water	20	2	Forestry	Till	Clear	Modert	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885118	00	19	715852	5231543	Ofv1	15	Sed/Water	30	1	Forestry	Till	Clear	Modert	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885120	00	19	724125	5233472	Omv2	15	Sed/Water	11	1	Forestry	Till	Clear	Slow	Gy-Blu	211	Rd-Bn	Black	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885122	10	19	724136	5233654	Omv2	15	Sed/Water	52	3	Forestry	Till	Clear	Fast	Gy-Blu	220	Rd-Bn	Black	Hill	Dendrc	Permnt	Sec'ary	Ground
0210	885123	20	19	724136	5233654	Omv2	15	Sed/Water	52	3	Forestry	Till	Clear	Fast	Gy-Blu	220	Rd-Bn	Black	Hill	Dendrc	Permnt	Sec'ary	Ground
0210	885124	00	19	723893	5234452	Omv2	15	Sed/Water	55	3	Forestry	Till	Clear	Fast	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885125	00	19	724033	5234472	Omv2	15	Sed/Water	31	1	Forestry	Till	Clear	Modert	Bf-Bn	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885126	00	19	722190	5235089	Ofv1	15	Sed/Water	48	3	Forestry	Till	BnTrans	Fast	Gy-Blu	220	Rd-Bn	Black	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885127	00	19	722895	5234460	Omv2	15	Sed/Water	8	1	Forestry	Till	Clear	Modert	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885128	00	19	721630	5236408	Ofv1	15	Sed/Water	36	2	-	Till	Clear	Fast	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885129	00	19	720766	5233851	Ofv2	15	Sed/Water	40	1	-	Alluv	Clear	Modert	Gy-Blu	022	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885130	00	19	720694	5233709	Ofv2	15	Sed/Water	46	2	-	Till	Clear	Modert	Gy-Blu	022	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885131	00	19	720935	5232533	Ofv2	15	Sed/Water	39	2	Forestry	Till	Clear	Fast	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885132	00	19	720839	5232405	Ofv1	15	Sed/Water	14	1	-	Till	Clear	Modert	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885133	00	19	718175	5236548	Os3	15	Sed/Water	33	2	-	Till	Clear	Modert	Gy-Blu	220	Rd-Bn	Black	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885135	00	19	718092	5236427	Os3	15	Sed/Water	46	2	-	Till	Clear	Modert	Gy-Blu	220	Rd-Bn	Black	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885136	00	19	720025	5236721	Ofv2	15	Sed/Water	48	2	-	Till	Clear	Modert	Bf-Bn	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885137	00	19	719666	5235466	Os3	15	Sed/Water	25	2	-	Till	BnTrans	Modert	Bf-Bn	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885138	00	19	718889	5235654	Os3	15	Sed/Water	18	2	-	Till	BnTrans	Modert	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885139	00	19	718068	5235618	Os3	15	Sed/Water	22	2	-	Till	BnTrans	Modert	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885142	00	19	718518	5234278	Of2	15	Sed/Water	18	1	-	Till	Clear	Modert	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885143	00	19	718561	5234154	Of2	15	Sed/Water	20	1	-	Till	Clear	Modert	Gy-Blu	022	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground

National Geochemical Reconnaissance Stream Sediment and Water Geochemical Data. New Brunswick, 1989, GSC OF-1954, NGR 117-1989, NTS 0210, 021P
Analytical Data

Variable:			Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au/Wt	Au	Au/Wt	F-W	pH	U-W
Units:			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb		ppb
Detection Limit:			2	2	2	2	2	0.2	5	1	2	.02	10	1	0.5	20	5	0.2	0.2	2	40	1	1-var	wt	1-var	wt	20		0.05
Analytical Method:			AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	ISE	GCM	LIF
0210	885098	00	62	7	26	7	22	<	619	12	<	3.20	71	13.3	5.6	368	15	<	<	2	592	2	<1	10.0	-	-	30.	5.6	<
0210	885099	00	294	7	38	22	64	<	>>	80	6	3.62	87	14.7	4.7	311	18	2.4	0.7	2	665	3	<1	10.0	-	-	30.	6.4	<
0210	885100	00	139	21	36	25	14	<	1249	77	4	3.62	105	18.3	11.0	274	24	0.2	0.8	2	393	2	<1	10.0	-	-	30.	6.9	<
0210	885102	00	147	15	55	26	47	<	7344	36	<	4.59	99	20.2	4.6	309	39	1.1	0.4	2	444	1	<1	10.0	-	-	40.	6.4	<
0210	885103	00	186	13	49	25	31	<	10080	56	<	3.77	100	22.0	5.5	274	41	1.6	0.5	2	429	5	<1	10.0	-	-	30.	7.1	<
0210	885104	00	139	12	26	22	17	<	661	19	<	2.71	47	9.9	4.5	248	32	0.7	0.3	4	415	3	<1	10.0	-	-	30.	6.9	<
0210	885105	10	123	20	45	49	218	0.2	13200	41	<	4.08	81	17.1	5.9	326	24	0.4	0.3	2	529	1	<1	10.0	-	-	30.	6.3	<
0210	885106	20	103	21	43	28	99	0.2	6288	42	<	4.31	74	13.7	6.2	371	22	0.4	0.4	2	509	2	<1	10.0	-	-	40.	6.2	<
0210	885107	00	166	20	33	39	27	<	2640	72	<	2.80	56	16.8	10.3	344	22	0.5	0.6	2	466	2	<1	10.0	-	-	30.	6.9	<
0210	885108	00	103	9	45	25	14	<	1100	35	<	2.59	62	17.8	6.4	313	28	1.3	0.3	4	471	3	<1	10.0	-	-	30.	7.0	<
0210	885109	00	47	9	15	17	4	0.3	133	1	<	1.35	34	24.6	4.5	248	<	0.5	<	2	408	2	<1	10.0	-	-	40.	6.2	<
0210	885110	00	59	8	28	11	63	<	4104	29	<	3.82	40	10.2	4.5	389	21	0.3	0.2	2	487	<	<1	10.0	-	-	30.	6.0	<
0210	885111	00	50	10	24	8	21	<	937	16	<	2.97	34	7.6	4.2	298	20	<	0.2	2	418	3	2.	10.0	-	-	40.	5.9	0.16
0210	885112	00	37	3	19	3	<	<	173	5	<	2.31	50	9.0	5.5	421	17	<	<	4	702	3	<1	10.0	-	-	30.	5.9	<
0210	885113	00	41	7	18	5	2	<	145	23	<	1.99	43	13.1	4.1	297	11	<	<	2	420	2	1.	10.0	-	-	30.	5.6	<
0210	885114	00	34	5	20	3	14	<	470	11	<	2.37	40	7.2	3.6	260	15	<	<	2	363	<	<1	10.0	-	-	30.	5.9	<
0210	885115	00	130	14	31	19	31	<	1200	41	<	3.35	53	10.1	5.8	294	20	0.5	0.3	2	386	2	2.	10.0	-	-	40.	6.3	<
0210	885116	00	166	10	61	14	18	<	5544	169	4	3.60	84	22.1	10.9	250	35	0.6	1.0	4	467	3	<1	10.0	-	-	30.	6.5	<
0210	885117	00	268	9	49	15	15	<	1320	2	<	2.95	65	16.1	6.7	231	33	1.2	0.3	2	418	4	1.	10.0	-	-	40.	6.6	<
0210	885118	00	59	5	16	9	8	<	401	10	<	1.20	50	14.1	4.2	208	17	0.5	<	2	395	2	<1	10.0	-	-	30.	6.4	<
0210	885120	00	424	44	52	28	17	<	3144	11	<	3.95	105	30.7	3.3	266	77	2.0	0.2	2	307	5	<1	10.0	-	-	30.	7.6	<
0210	885122	10	382	16	30	27	20	<	1968	5	<	3.54	43	12.6	3.4	281	55	0.8	<	2	381	4	<1	10.0	-	-	30.	7.1	<
0210	885123	20	453	17	29	31	22	<	1392	5	<	4.10	31	11.3	3.6	293	62	<	0.2	2	420	3	<1	10.0	-	-	30.	7.0	<
0210	885124	00	266	18	30	25	18	<	1200	8	<	3.31	31	8.8	4.0	300	52	0.5	0.2	2	404	3	<1	10.0	-	-	30.	6.9	<
0210	885125	00	178	14	24	22	18	<	1132	8	<	3.41	53	9.6	4.5	288	58	<	0.2	2	368	4	<1	10.0	-	-	30.	7.1	<
0210	885126	00	280	10	31	15	14	<	1488	6	<	2.38	31	7.4	3.6	237	31	1.2	<	2	486	3	<1	10.0	-	-	30.	6.9	<
0210	885127	00	123	16	22	45	18	<	606	2	<	3.57	59	16.5	3.0	278	65	<	<	2	310	3	<1	10.0	-	-	20.	7.2	<
0210	885128	00	269	11	32	13	10	<	616	2	<	2.01	40	13.3	4.5	249	25	1.4	<	2	432	2	1.	10.0	-	-	20.	7.1	<
0210	885129	00	155	8	29	20	18	<	487	7	<	2.24	56	13.5	5.7	285	32	0.3	<	4	460	2	<1	10.0	-	-	30.	6.8	<
0210	885130	00	140	7	26	20	15	<	706	6	<	2.04	50	9.4	5.7	271	28	<	<	2	512	1	<1	10.0	-	-	40.	6.9	<
0210	885131	00	135	12	28	16	14	<	715	6	<	2.31	62	15.0	5.8	276	30	0.7	<	2	399	3	55.	10.0	64	2.50	30.	6.9	<
0210	885132	00	117	17	30	28	27	<	1440	47	<	4.20	50	19.4	4.1	264	55	0.8	0.2	4	338	3	<1	10.0	-	-	40.	6.6	<
0210	885133	00	93	11	52	11	25	<	1272	18	4	3.30	90	23.7	9.7	204	43	<	0.2	2	199	1	<1	10.0	-	-	20.	6.2	<
0210	885135	00	109	21	55	16	60	<	2424	19	3	3.43	124	30.2	104.0	188	45	<	0.2	2	245	4	1.	10.0	-	-	30.	6.6	<
0210	885136	00	151	10	66	9	13	<	830	6	<	2.93	78	16.2	5.2	239	29	<	<	2	421	3	1.	10.0	-	-	20.	6.6	<
0210	885137	00	79	14	20	18	21	<	372	1	2	2.76	55	14.4	7.4	382	16	0.5	<	2	539	<	1.	10.0	-	-	30.	6.3	<
0210	885138	00	127	22	33	37	144	<	10320	38	11	5.13	282	31.4	9.4	267	26	<	0.3	2	420	1	1.	10.0	-	-	20.	6.0	<
0210	885139	00	84	6	19	13	10	<	630	1	<	2.83	50	8.6	5.8	344	29	<	<	2	409	2	<1	10.0	-	-	50.	6.4	<
0210	885142	00	232	10	68	16	35	<	5688	194	19	7.96	89	24.0	16.5	367	58	0.9	1.2	8	545	3	<1	10.0	-	-	50.	6.4	<
0210	885143	00	145	13	39	22	19	<	1560	85	<	4.35	68	12.5	6.7	355	53	<	0.8	12	504	2	<1	10.0	-	-	30.	6.6	<

National Geochemical Reconnaissance Stream Sediment and Water Geochemical Data. New Brunswick, 1989, GSC OF-1954, NGR 117-1989, NTS 0210, 021P
Field Data

Map Sheet	Sample ID	Rep Stat	UTM Zn	UTM Easting	UTM Northing	Rock Unit	Rock Age	Sample Type	Stream Width	Stream Depth	Sample Cont.	Bank Type	Water Colour	Stream Flow	Sample Colour	Sample Comp	Bottom Pcpt	Bank Pcpt	Stream Physiog.	Stream Drainage	Stream Type	Stream Class	Source
0210	885144	10	19	718534	5232802	Os3	15	Sed/Water	12	1	-	Till	Clear	Modert	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885145	20	19	718534	5232802	Os3	15	Sed/Water	12	1	-	Till	Clear	Modert	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885146	00	19	726484	5231917	Ofv2	15	Sed/Water	44	2	-	Till	Clear	Modert	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Sec'ary	Ground
0210	885147	00	19	725104	5232028	Ofv2	15	Sed/Water	41	2	-	Till	Clear	Modert	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885149	00	19	724574	5231735	Os3	15	Sed/Water	50	2	-	Till	Clear	Fast	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885150	00	19	718767	5232164	Os3	15	Sed/Water	31	1	-	Till	Clear	Modert	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885151	00	19	719492	5231752	Os3	15	Sed/Water	28	1	-	Till	WhCl'dy	Modert	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885152	00	19	719449	5231906	Os3	15	Sed/Water	51	2	-	Till	Clear	Fast	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
0210	885153	00	19	721415	5231587	Os3	15	Sed/Water	52	2	-	Till	Clear	Modert	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground

National Geochemical Reconnaissance Stream Sediment and Water Geochemical Data. New Brunswick, 1989, GSC OF-1954, NGR 117-1989, NTS 0210, 021P
Analytical Data

Variable:			Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au/Wt	Au	Au/Wt	F-W	pH	U-W
Units:			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb		ppb
Detection Limit:			2	2	2	2	2	0.2	5	1	2	.02	10	1	0.5	20	5	0.2	0.2	2	40	1	1-var	wt	1-var	wt	20		0.05
Analytical Method:			AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	ISE	GCM	LIF
0210	885144	10	42	6	14	12	3	<	125	1	<	1.27	33	10.2	6.1	261	15	0.4	<	12	489	<	1.	10.0	-	-	30.	6.6	<
0210	885145	20	50	5	12	11	4	<	124	1	<	1.61	18	4.8	5.0	303	13	<	<	8	539	2	<1	10.0	-	-	30.	6.6	<
0210	885146	00	203	14	25	20	13	<	773	11	<	2.72	33	7.6	4.1	281	34	<	0.2	4	389	2	<1	10.0	-	-	20.	7.2	<
0210	885147	00	43	15	31	23	15	<	1070	16	<	3.15	36	9.9	4.4	267	38	0.6	0.2	2	357	3	<1	10.0	-	-	20.	7.1	<
0210	885149	00	203	14	22	24	17	<	566	14	<	3.37	36	6.5	4.2	287	48	0.5	0.2	2	395	1	<1	10.0	-	-	30.	7.5	<
0210	885150	00	154	10	18	28	18	<	898	9	<	2.01	50	15.9	3.9	290	20	0.4	<	2	433	1	1.	10.0	-	-	30.	6.9	<
0210	885151	00	125	7	11	22	11	<	434	4	<	1.68	39	13.4	4.0	267	20	0.2	<	4	447	1	<1	10.0	-	-	40.	6.8	<
0210	885152	00	167	27	23	38	88	<	4080	78	<	2.69	62	9.5	14.3	292	31	<	0.8	4	461	1	1.	10.0	-	-	30.	6.8	<
0210	885153	00	105	19	24	22	14	<	289	17	<	1.87	56	14.6	5.8	308	19	<	0.3	2	420	<	1.	10.0	-	-	30.	6.8	<

National Geochemical Reconnaissance Stream Sediment and Water Geochemical Data. New Brunswick, 1989, GSC OF-1954, NGR 117-1989, NTS 0210, 021P
Field Data

Map Sheet	Sample ID	Rep Stat	UTM Zn	UTM Easting	UTM Northing	Rock Unit	Rock Age	Sample Type	Stream Width	Stream Depth	Sample Cont.	Bank Type	Water Colour	Stream Flow	Sample Colour	Sample Comp	Bottom Pcpt	Bank Pcpt	Stream Physiog.	Stream Drainage	Stream Type	Stream Class	Source
021P	883002	00	20	280408	5213579	Os3	15	Sed/Water	50	10	-	Till	Clear	Fast	Rd-Bn	220	-	-	Hill	Dendrc	Permnt	Sec'ary	Ground
021P	883003	00	20	280405	5213787	Os3	15	Sed/Water	10	5	-	Till	Clear	Fast	Rd-Bn	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883004	00	20	273696	5213632	Os2	15	Sed/Water	15	7	-	Till	Clear	Modert	Rd-Bn	220	-	Rd-Bn	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883005	00	20	275052	5214601	Os2	15	Sed/Water	4	4	-	Till	Clear	Fast	Rd-Bn	121	-	-	Swamp	Dendrc	Undefd	Pri'ary	Ground
021P	883006	00	20	274998	5214699	Os2	15	Sed/Water	4	5	-	Till	Clear	Fast	Rd-Bn	121	-	-	Swamp	Dendrc	Undefd	Pri'ary	Ground
021P	883007	00	20	272874	5214925	Os2	15	Sed/Water	5	8	-	Till	Clear	Modert	Rd-Bn	121	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883008	00	20	283223	5210767	Ps2	33	Sed/Water	10	1	-	Alluv	BnTrans	Modert	Rd-Bn	111	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883009	00	20	276636	5215843	Os2	15	Sed/Water	12	5	-	Till	Clear	Modert	Rd-Bn	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883010	00	20	276560	5215975	Os2	15	Sed/Water	12	5	-	Till	Clear	Slow	Rd-Bn	121	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
021P	883012	00	20	278866	5209857	Ps1	33	Sed/Water	10	1	-	Alluv	BnTrans	Modert	Rd-Bn	111	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883013	00	20	279838	5210062	Ps2	33	Sed/Water	3	1	-	Alluv	BnTrans	Modert	Rd-Bn	111	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883014	00	20	279312	5211285	Ps1	33	Sed/Water	11	1	-	Alluv	Clear	Modert	Rd-Bn	111	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883015	00	20	275743	5209921	Os3	15	Sed/Water	25	2	-	Alluv	Clear	Modert	Rd-Bn	220	-	-	Hill	Dendrc	Permnt	Sec'ary	Ground
021P	883016	00	20	275697	5210058	Omv2	15	Sed/Water	40	3	-	Alluv	Clear	Modert	Rd-Bn	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883017	00	20	275351	5210423	Omv2	15	Sed/Water	30	3	-	Alluv	Clear	Modert	Rd-Bn	121	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883018	10	20	277909	5211550	Os3	15	Sed/Water	25	2	-	Alluv	Clear	Modert	Rd-Bn	121	-	-	Hill	Dendrc	Permnt	Sec'ary	Ground
021P	883019	20	20	277909	5211550	Os3	15	Sed/Water	25	2	-	Alluv	Clear	Modert	Rd-Bn	121	-	-	Hill	Dendrc	Permnt	Sec'ary	Ground
021P	883020	00	20	278101	5211970	Os3	15	Sed/Water	45	4	-	Outwash	Clear	Slow	Rd-Bn	121	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
021P	883022	00	20	278910	5211501	Ps1	33	Sed/Water	28	2	-	Till	Clear	Modert	Rd-Bn	210	-	-	Hill	Dendrc	Permnt	Sec'ary	Ground
021P	883023	00	20	278149	5211309	Os3	15	Sed/Water	10	1	-	Till	Clear	Modert	Rd-Bn	121	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883024	00	20	289660	5221720	Ps2	33	Sed/Water	10	1	-	Alluv	Clear	Modert	Gy-Blu	130	-	-	Hill	Dendrc	Permnt	Sec'ary	Ground
021P	883025	00	20	282565	5213002	Ps1	33	Sed/Water	50	4	-	Till	Clear	Modert	Gy-Blu	130	-	-	Hill	Dendrc	Permnt	Ter'ary	Ground
021P	883026	00	20	289926	5221941	Ps2	33	Sed/Water	2	1	-	Till	Clear	Modert	Rd-Bn	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883028	00	20	288083	5219994	Ps2	33	Sed/Water	2	1	-	Till	Clear	Modert	Rd-Bn	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883029	00	20	287785	5221730	Ps2	33	Sed/Water	2	1	-	Till	Clear	Modert	Rd-Bn	210	-	-	Penpln	Dendrc	Permnt	Pri'ary	Ground
021P	883030	00	20	287252	5220937	Ps2	33	Sed/Water	20	1	-	Till	Clear	Modert	Rd-Bn	220	-	-	Penpln	Dendrc	Permnt	Sec'ary	Ground
021P	883031	00	20	285240	5219732	Ps2	33	Sed/Water	8	2	-	Till	Clear	Modert	Rd-Bn	220	-	-	Penpln	Dendrc	Permnt	Sec'ary	Ground
021P	883032	00	20	285776	5216580	Ps2	33	Sed/Water	4	1	-	Till	Clear	Fast	Rd-Bn	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883033	00	20	286958	5216500	Ps2	33	Sed/Water	4	1	-	Till	Clear	Fast	Rd-Bn	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883034	10	20	286665	5211835	Ps2	33	Sed/Water	10	3	-	Alluv	Clear	Slow	Rd-Bn	130	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
021P	883035	20	20	286668	5211832	Ps2	33	Sed/Water	10	3	-	Alluv	Clear	Slow	Rd-Bn	130	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
021P	883036	00	20	285467	5208973	Ps2	33	Sed/Water	16	2	-	Alluv	Clear	Modert	Rd-Bn	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883037	00	20	285189	5209784	Ps2	33	Sed/Water	15	3	-	Alluv	Clear	Modert	Rd-Bn	210	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883038	00	20	289418	5214190	Ps2	33	Sed/Water	7	1	-	Till	Clear	Modert	Rd-Bn	121	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883039	00	20	283784	5220559	Os3	15	Sed/Water	10	2	-	Alluv	Clear	Modert	Rd-Bn	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883040	00	20	287767	5213429	Ps2	33	Sed/Water	10	2	-	Till	Clear	Modert	Rd-Bn	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883042	00	20	287872	5213339	Ps2	33	Sed/Water	5	1	-	Till	Clear	Modert	Rd-Bn	121	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883043	00	20	289927	5214543	Ps2	33	Sed/Water	9	1	-	Till	Clear	Modert	Rd-Bn	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883044	00	20	290883	5209205	Ps2	33	Sed/Water	8	2	-	Till	BnTrans	Modert	Rd-Bn	211	Black	-	Penpln	Dendrc	Permnt	Pri'ary	Ground
021P	883045	00	20	290961	5209049	Ps2	33	Sed/Water	4	1	-	Alluv	Clear	Slow	Rd-Bn	121	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground

National Geochemical Reconnaissance Stream Sediment and Water Geochemical Data. New Brunswick, 1989, GSC OF-1954, NGR 117-1989, NTS 0210, 021P

Analytical Data

			Variable:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au/Wt	Au	Au/Wt	F-W	pH	U-W
			Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb		ppb
			Detection Limit:	2	2	2	2	2	0.2	5	1	2	.02	10	1	0.5	20	5	0.2	0.2	2	40	1	1-var	wt	1-var	wt	20		0.05
			Analytical Method:	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	ISE	GCM	LIF
021P	883002	00		77	10	14	28	12	<	313	2	<	2.13	35	5.0	4.3	180	23	<	0.9	2	399	6	<1	10.0	-	-	40.	7.2	<
021P	883003	00		58	6	11	17	13	<	1242	3	<	2.10	35	5.8	3.7	75	20	<	0.4	2	389	<	<1	10.0	-	-	40.	6.9	<
021P	883004	00		53	5	17	19	10	<	320	1	<	1.56	30	6.9	3.5	90	17	<	0.3	2	363	1	<1	10.0	-	-	40.	6.2	<
021P	883005	00		52	5	19	14	9	<	407	1	<	1.55	38	11.4	2.9	99	14	<	0.3	2	353	<	<1	10.0	-	-	40.	6.0	<
021P	883006	00		63	5	21	16	8	<	282	1	<	1.49	44	9.6	3.3	146	15	<	0.3	2	369	1	<1	10.0	-	-	40.	6.0	<
021P	883007	00		74	18	19	17	12	<	209	4	<	2.29	44	9.5	5.2	227	18	<	0.4	2	456	1	<1	10.0	-	-	40.	5.9	<
021P	883008	00		71	7	10	12	10	<	534	3	<	1.81	41	6.4	5.5	131	15	<	0.4	2	450	1	<1	10.0	-	-	50.	6.9	0.07
021P	883009	00		62	8	21	16	15	<	675	5	<	2.51	33	7.8	4.0	109	19	<	0.4	2	446	2	<1	10.0	-	-	50.	6.2	<
021P	883010	00		53	6	17	13	12	<	334	3	<	2.13	33	7.2	3.3	235	15	<	0.3	2	409	2	<1	10.0	-	-	40.	6.1	<
021P	883012	00		38	7	20	9	6	<	165	<	<	0.84	100	23.1	3.3	167	7	0.3	0.3	2	288	<	1.	10.0	-	-	40.	5.7	<
021P	883013	00		27	3	11	6	7	<	192	1	<	0.84	53	9.9	3.3	150	7	<	0.3	2	284	<	<1	10.0	-	-	40.	5.6	<
021P	883014	00		63	6	18	16	12	<	889	2	<	2.10	45	6.2	3.8	175	14	<	0.5	2	313	2	<1	10.0	-	-	30.	6.5	<
021P	883015	00		53	14	12	29	13	<	454	4	<	2.15	33	3.2	4.4	194	22	<	0.4	2	352	7	<1	10.0	-	-	40.	6.9	<
021P	883016	00		68	13	12	42	12	<	419	4	<	2.49	45	5.4	3.6	192	27	<	0.4	2	365	3	<1	10.0	-	-	40.	7.2	<
021P	883017	00		69	10	12	52	10	<	269	3	<	2.65	50	8.7	3.8	237	30	<	0.3	2	378	2	<1	10.0	-	-	40.	7.1	<
021P	883018	10		70	8	9	37	10	<	429	2	<	2.13	35	7.6	4.0	181	20	<	1.2	2	380	2	<1	10.0	-	-	40.	7.0	<
021P	883019	20		66	8	9	37	9	<	313	2	<	2.13	26	7.7	4.0	225	22	<	1.2	4	354	7	<1	10.0	-	-	30.	7.0	<
021P	883020	00		76	8	10	40	11	<	493	3	<	2.20	47	5.1	3.7	191	26	<	0.8	2	373	2	<1	10.0	-	-	40.	6.8	0.08
021P	883022	00		100	9	13	31	14	<	636	5	<	2.63	29	4.8	4.0	172	31	<	2.4	2	393	9	<1	10.0	-	-	50.	6.9	<
021P	883023	00		80	8	12	31	12	<	580	4	<	2.22	31	5.0	3.9	167	25	<	1.1	2	397	<	<1	10.0	-	-	40.	6.9	<
021P	883024	00		52	3	9	9	7	<	2106	3	<	1.54	29	3.4	3.4	148	12	<	0.3	2	450	<	<1	10.0	-	-	60.	6.9	<
021P	883025	00		56	9	10	16	11	<	282	4	<	1.91	29	3.2	4.2	184	18	<	0.7	2	345	2	2.	10.0	-	-	40.	7.1	<
021P	883026	00		73	5	14	11	10	<	8294	4	<	2.09	49	6.7	3.0	157	17	<	0.4	2	552	1	<1	10.0	-	-	40.	7.2	<
021P	883028	00		68	4	13	10	10	<	10582	8	<	1.48	39	4.4	2.9	130	12	0.5	0.3	2	797	1	<1	10.0	-	-	40.	6.7	<
021P	883029	00		90	10	18	21	11	<	1362	4	<	2.86	52	9.3	4.5	237	28	<	0.4	2	477	2	<1	10.0	-	-	30.	7.2	<
021P	883030	00		65	6	9	12	9	<	2002	3	<	1.72	23	3.8	3.3	137	15	<	0.3	2	385	2	<1	10.0	-	-	40.	7.1	<
021P	883031	00		61	5	9	11	8	<	1112	2	<	1.71	23	3.9	3.8	166	12	<	0.3	2	365	<	<1	10.0	-	-	50.	7.0	<
021P	883032	00		90	11	18	19	10	<	2912	5	<	2.16	47	8.2	3.9	173	17	0.7	0.3	2	616	3	<1	10.0	-	-	40.	7.3	<
021P	883033	00		89	10	16	20	11	<	3406	6	<	2.50	49	8.3	4.5	206	22	<	0.3	2	659	1	<1	10.0	-	-	40.	7.1	<
021P	883034	10		58	4	7	12	9	<	438	1	<	1.51	29	5.2	3.9	188	15	0.2	0.3	2	404	1	<1	10.0	-	-	40.	6.8	<
021P	883035	20		50	4	8	12	9	<	550	1	<	1.56	29	4.1	3.7	140	18	<	0.3	2	384	3	<1	10.0	-	-	40.	6.7	<
021P	883036	00		47	5	8	9	9	<	516	1	<	1.29	16	2.8	3.4	147	15	<	0.3	2	319	<	<1	10.0	-	-	50.	6.6	<
021P	883037	00		43	5	9	10	7	<	751	2	<	1.48	19	3.6	3.6	131	16	<	0.3	2	352	<	<1	10.0	-	-	50.	6.7	<
021P	883038	00		11	<	4	<	4	<	290	<	<	0.16	24	3.0	2.6	81	<	<	0.4	2	300	<	<1	10.0	-	-	40.	6.7	<
021P	883039	00		41	3	8	9	6	<	164	1	<	1.16	24	4.0	3.3	151	14	<	0.3	2	436	<	<1	10.0	-	-	40.	6.6	<
021P	883040	00		83	7	13	16	13	<	6760	5	<	2.21	46	7.0	3.2	152	24	<	0.4	2	671	<	<1	10.0	-	-	40.	6.8	<
021P	883042	00		86	8	14	15	9	<	1846	3	<	2.21	51	10.2	3.8	202	20	<	0.3	2	606	<	<1	10.0	-	-	50.	7.3	<
021P	883043	00		34	<	8	3	7	<	455	<	<	0.58	24	5.0	3.0	125	6	<	0.3	2	293	<	<1	10.0	-	-	60.	6.8	<
021P	883044	00		49	7	20	7	8	<	956	1	<	1.48	47	7.8	2.7	130	11	<	0.3	2	377	3	<1	10.0	-	-	50.	6.3	<
021P	883045	00		23	3	4	5	4	<	196	<	<	0.65	16	4.0	2.5	148	9	<	0.3	2	380	<	3.	10.0	<1	10.0	60.	6.8	<

Map Sheet	Sample ID	Rep Stat	UTM Zn	UTM Easting	UTM Northing	Rock Unit	Rock Age	Sample Type	Stream Width	Stream Depth	Sample Cont.	Bank Type	Water Colour	Stream Flow	Sample Colour	Sample Comp	Bottom Pcpt	Bank Pcpt	Stream Physiog.	Stream Drainage	Stream Type	Stream Class	Source
021P	883046	00	20	279821	5220482	Os2	15	Sed/Water	4	2	-	Organic	BnTrans	Stagnt	Black	121	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
021P	883047	00	20	279550	5220455	Os2	15	Sed/Water	6	2	-	Organic	BnTrans	Stagnt	Black	121	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
021P	883048	00	20	279682	5222013	Os2	15	Sed/Water	5	3	-	Organic	BnTrans	Stagnt	Black	121	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
021P	883049	00	20	279815	5218824	Ofv2	15	Sed/Water	8	2	-	Till	BnTrans	Modert	Rd-Bn	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883050	00	20	276627	5220253	Os2	15	Sed/Water	6	5	-	Bare Rk	Clear	Fast	Rd-Bn	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883051	00	20	275318	5220354	Os2	15	Sed/Water	5	2	-	Till	BnTrans	Modert	Rd-Bn	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883052	00	20	275384	5220273	Os2	15	Sed/Water	6	2	-	Till	BnTrans	Modert	Rd-Bn	211	-	-	Penpln	Dendrc	Permnt	Pri'ary	Ground
021P	883053	00	20	272738	5220689	Os2	15	Sed/Water	7	2	-	Till	BnTrans	Modert	Rd-Bn	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883055	00	20	272789	5220558	Os2	15	Sed/Water	5	1	-	Till	BnTrans	Modert	Rd-Bn	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883056	00	20	281848	5219953	Os3	15	Sed/Water	4	1	-	Alluv	Clear	Modert	Rd-Bn	211	-	-	Penpln	Dendrc	Permnt	Pri'ary	Ground
021P	883057	00	20	281848	5219777	Os3	15	Sed/Water	5	1	-	Colluv	Clear	Modert	Rd-Bn	211	-	-	Penpln	Dendrc	Permnt	Pri'ary	Ground
021P	883058	10	20	288977	5208784	Ps2	33	Sed/Water	8	1	-	Alluv	Clear	Modert	Rd-Bn	220	-	-	Penpln	Dendrc	Permnt	Pri'ary	Ground
021P	883059	20	20	288977	5208784	Ps2	33	Sed/Water	8	1	-	Alluv	Clear	Modert	Rd-Bn	220	-	-	Penpln	Dendrc	Permnt	Pri'ary	Ground
021P	883060	00	20	286605	5209427	Ps2	33	Sed/Water	20	1	-	Alluv	Clear	Modert	Rd-Bn	220	-	-	Penpln	Dendrc	Permnt	Pri'ary	Ground
021P	883062	00	20	287945	5210000	Ps2	33	Sed/Water	8	1	-	Alluv	Clear	Modert	Rd-Bn	130	-	-	Penpln	Dendrc	Permnt	Pri'ary	Ground
021P	883063	00	20	288051	5209864	Ps2	33	Sed/Water	10	1	-	Alluv	Clear	Modert	Rd-Bn	220	-	-	Penpln	Dendrc	Permnt	Pri'ary	Ground
021P	883064	00	20	287005	5209931	Ps2	33	Sed/Water	7	1	-	Alluv	Clear	Modert	Rd-Bn	130	-	-	Penpln	Dendrc	Permnt	Pri'ary	Ground
021P	883065	10	20	284526	5211584	Ps2	33	Sed/Water	30	4	-	Alluv	Clear	Modert	Rd-Bn	220	-	-	Penpln	Dendrc	Permnt	Ter'ary	Ground
021P	883066	20	20	284526	5211584	Ps2	33	Sed/Water	30	4	-	Alluv	Clear	Modert	Rd-Bn	220	-	-	Penpln	Dendrc	Permnt	Ter'ary	Ground
021P	883067	00	20	284274	5213883	Ps2	33	Sed/Water	4	2	-	Alluv	Clear	Slow	Rd-Bn	220	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
021P	883069	00	20	284559	5217477	Ps1	33	Sed/Water	15	2	-	Alluv	Clear	Slow	Rd-Bn	220	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
021P	883070	00	20	282451	5209133	Ps2	33	Sed/Water	5	1	Probable	Organic	Clear	Slow	Rd-Bn	121	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
021P	883071	00	20	273486	5209600	Omv2	15	Sed/Water	10	2	-	Alluv	Clear	Modert	Rd-Bn	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883072	00	20	273519	5209468	Omv2	15	Sed/Water	12	2	-	Alluv	Clear	Modert	Rd-Bn	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883073	00	20	272590	5210279	Os2	15	Sed/Water	7	1	-	Alluv	Clear	Slow	Gy-Blu	121	-	-	Penpln	Dendrc	Permnt	Pri'ary	Ground
021P	883074	00	20	272757	5209573	Omv2	15	Sed/Water	12	2	-	Alluv	Clear	Modert	Rd-Bn	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883075	00	20	276540	5209315	Os3	15	Sed/Water	5	1	-	Till	Clear	Slow	Rd-Bn	211	-	-	Penpln	Dendrc	Permnt	Pri'ary	Ground
021P	883076	00	20	276698	5209183	Os3	15	Sed/Water	4	1	-	Till	Clear	Slow	Rd-Bn	211	-	-	Penpln	Dendrc	Permnt	Pri'ary	Ground
021P	883077	00	20	280285	5216822	Omv2	15	Sed/Water	8	1	-	Alluv	BnTrans	Modert	Rd-Bn	121	-	-	Penpln	Dendrc	Permnt	Sec'ary	Ground
021P	883078	00	20	281243	5217057	Omv2	15	Sed/Water	7	1	-	Alluv	BnTrans	Modert	Rd-Bn	220	-	-	Hill	Dendrc	Permnt	Sec'ary	Ground
021P	883079	00	20	278340	5219066	Os2	15	Sed/Water	6	1	-	Alluv	BnTrans	Modert	Rd-Bn	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883080	00	20	278853	5215667	Ofv2	15	Sed/Water	5	1	-	Alluv	BnTrans	Modert	Rd-Bn	211	-	-	Hill	Dendrc	Permnt	Sec'ary	Ground
021P	883082	00	20	273068	5217773	Os2	15	Sed/Water	25	2	-	Alluv	Clear	Fast	Rd-Bn	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883083	00	20	273584	5218086	Os2	15	Sed/Water	8	1	-	Alluv	Clear	Fast	Rd-Bn	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883084	00	20	274412	5216942	Os2	15	Sed/Water	30	2	-	Alluv	Clear	Fast	Rd-Bn	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	883085	00	20	277815	5214731	Os2	15	Sed/Water	5	3	-	Organic	Clear	Slow	Rd-Bn	121	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
021P	883086	00	20	276305	5213633	Os2	15	Sed/Water	7	3	-	Organic	Clear	Slow	Rd-Bn	121	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
021P	883087	00	20	276357	5213511	Omv2	15	Sed/Water	5	4	-	Organic	Clear	Slow	Rd-Bn	112	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
021P	885002	00	20	284443	5229466	Os3	15	Sed/Water	20	2	-	Till	Clear	Slow	Gy-Blu	211	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
021P	885003	00	20	277911	5230760	Omv2	15	Sed/Water	100	1	-	Till	Clear	Modert	Gy-Blu	310	-	-	Swamp	Dendrc	Permnt	Sec'ary	Ground

National Geochemical Reconnaissance Stream Sediment and Water Geochemical Data. New Brunswick, 1989, GSC OF-1954, NGR 117-1989, NTS 0210, 021P

Analytical Data

			Variable:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au/Wt	Au	Au/Wt	F-W	pH	U-W
			Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb		ppb
			Detection Limit:	2	2	2	2	2	0.2	5	1	2	.02	10	1	0.5	20	5	0.2	0.2	2	40	1	1-var	wt	1-var	wt	20		0.05
			Analytical Method:	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	ISE	GCM	LIF
021P	883046	00		33	6	10	4	5	<	100	<	<	0.52	57	14.0	3.3	146	10	<	0.3	2	389	<	<1	10.0	-	-	40.	5.4	<
021P	883047	00		33	5	10	5	4	<	94	<	<	0.59	51	12.9	3.4	180	8	<	0.3	2	368	<	3.	10.0	<1	10.0	40.	5.4	<
021P	883048	00		36	6	10	5	<	<	98	<	<	0.61	54	14.2	3.6	159	9	<	0.3	2	383	<	<1	10.0	-	-	40.	5.4	1.60
021P	883049	00		17	2	12	2	8	<	342	7	<	1.71	27	4.8	2.6	154	22	<	0.4	2	321	3	<1	10.0	-	-	40.	5.4	<
021P	883050	00		20	3	8	2	<	<	42	2	<	0.72	38	12.0	3.2	170	8	<	0.3	2	306	<	<1	10.0	-	-	50.	5.1	<
021P	883051	00		31	3	12	2	<	<	38	3	<	0.77	62	19.6	2.8	205	7	<	0.3	2	281	<	<1	10.0	-	-	40.	5.2	<
021P	883052	00		26	3	9	3	<	<	47	3	<	0.76	73	19.3	3.6	208	<	0.3	0.3	2	304	<	<1	10.0	-	-	40.	5.1	<
021P	883053	00		12	<	7	<	<	<	30	1	<	0.54	35	9.4	3.4	177	<	0.5	<	2	304	<	<1	10.0	-	-	40.	5.1	<
021P	883055	00		14	4	9	3	<	<	94	2	<	0.52	57	18.6	3.7	175	5	1.1	0.2	2	288	<	<1	10.0	-	-	50.	5.3	<
021P	883056	00		48	3	13	9	6	<	211	1	<	0.90	43	10.4	4.1	165	9	<	0.3	2	390	<	<1	10.0	-	-	40.	6.7	<
021P	883057	00		44	3	12	8	7	<	371	1	<	0.93	46	10.1	3.6	162	9	1.1	0.3	2	416	<	<1	10.0	-	-	40.	6.6	<
021P	883058	10		39	6	8	11	7	<	255	1	<	1.46	22	3.6	3.2	175	14	0.7	0.3	2	332	<	1.	10.0	-	-	70.	6.5	<
021P	883059	20		36	4	7	10	7	<	155	1	<	1.28	16	2.8	3.4	185	10	1.2	0.3	2	351	<	2.	10.0	-	-	80.	6.6	<
021P	883060	00		41	4	8	9	9	<	532	1	<	1.54	19	3.4	3.4	183	15	1.3	0.3	2	329	<	<1	10.0	-	-	80.	6.6	<
021P	883062	00		25	3	5	6	5	<	107	1	<	0.94	14	2.4	3.4	152	13	<	0.3	2	327	<	<1	10.0	-	-	80.	6.7	<
021P	883063	00		32	4	6	7	6	<	137	1	<	1.09	14	3.0	4.2	183	13	0.7	0.3	2	321	<	<1	10.0	-	-	80.	6.6	<
021P	883064	00		29	4	7	7	6	<	112	2	<	1.09	14	3.2	3.8	178	11	1.0	0.3	2	321	<	<1	10.0	-	-	80.	6.5	<
021P	883065	10		56	9	11	17	9	<	290	5	<	1.99	19	3.0	4.4	196	19	1.0	0.5	2	387	<	<1	10.0	-	-	50.	7.0	<
021P	883066	20		48	8	11	14	9	<	243	3	<	1.63	19	3.6	3.5	235	18	0.9	0.4	2	367	1	1.	10.0	-	-	50.	7.1	<
021P	883067	00		76	11	13	13	10	<	391	12	<	2.92	24	6.5	5.5	294	18	<	0.4	2	342	<	<1	10.0	-	-	50.	6.6	0.07
021P	883069	00		244	35	21	21	14	<	415	9	<	1.86	27	4.0	5.3	195	15	<	0.5	2	333	3	18.	10.0	16	10.0	60.	7.0	<
021P	883070	00		82	9	14	13	11	<	975	8	<	2.37	50	9.1	4.8	193	16	<	0.4	2	398	5	1.	10.0	-	-	50.	6.8	<
021P	883071	00		73	8	10	45	11	<	411	5	<	2.31	34	5.4	3.7	226	23	<	1.6	2	389	3	1.	10.0	-	-	40.	7.2	<
021P	883072	00		75	8	10	40	9	<	560	5	<	2.21	34	4.8	3.6	174	23	<	1.9	2	362	5	<1	10.0	-	-	40.	7.3	<
021P	883073	00		82	9	10	47	11	<	372	5	<	2.51	39	8.2	4.2	209	29	<	1.4	2	410	5	<1	10.0	-	-	40.	7.2	<
021P	883074	00		75	8	10	36	9	<	337	3	<	2.08	36	6.2	3.8	188	24	<	0.7	2	347	3	<1	10.0	-	-	40.	7.4	<
021P	883075	00		66	6	18	17	13	<	571	3	<	2.30	36	8.6	3.7	223	17	<	0.4	2	301	7	1.	10.0	-	-	40.	6.9	<
021P	883076	00		61	6	18	19	10	<	259	2	<	2.06	31	7.4	3.1	187	14	<	0.4	2	292	4	<1	10.0	-	-	40.	6.9	<
021P	883077	00		51	5	11	15	10	<	359	3	<	1.87	25	5.4	3.7	275	11	<	0.2	2	411	2	<1	10.0	-	-	40.	5.9	<
021P	883078	00		49	6	9	19	7	<	204	2	<	1.75	23	3.6	4.1	311	11	<	0.4	2	444	1	<1	10.0	-	-	40.	6.1	<
021P	883079	00		16	3	12	<	<	<	40	3	<	0.53	48	11.8	5.1	195	<	<	0.3	4	433	2	1.	10.0	-	-	40.	6.0	<
021P	883080	00		54	7	16	15	13	<	538	5	<	2.32	37	10.8	3.9	251	13	<	0.3	2	406	5	3.	10.0	<1	10.0	50.	6.1	<
021P	883082	00		96	15	23	14	17	<	1015	12	<	2.59	28	8.2	5.0	268	17	<	0.4	2	441	5	<1	10.0	-	-	50.	6.9	<
021P	883083	00		77	8	23	10	17	<	1100	10	<	3.37	50	14.0	5.2	316	11	<	0.3	2	491	4	1.	10.0	-	-	60.	6.7	<
021P	883084	00		56	10	18	9	7	<	330	13	<	2.61	31	8.2	4.5	276	16	<	0.4	2	404	1	<1	10.0	-	-	50.	6.7	<
021P	883085	00		103	8	14	17	13	<	585	6	<	2.62	92	15.3	5.3	289	23	<	0.2	2	390	4	<1	10.0	-	-	40.	6.6	<
021P	883086	00		117	9	15	18	17	<	898	7	2	3.02	89	15.4	5.0	270	24	<	0.2	2	424	4	1.	10.0	-	-	40.	6.6	<
021P	883087	00		137	9	24	19	25	<	6084	9	2	3.40	112	20.6	5.3	238	26	<	0.2	2	545	3	<1	10.0	-	-	40.	6.5	<
021P	885002	00		107	13	38	34	26	<	2640	30	<	3.75	76	14.1	3.6	262	42	<	0.5	2	487	3	<1	10.0	-	-	60.	6.7	<
021P	885003	00		78	7	12	7	5	<	271	9	<	1.77	21	2.2	3.9	226	21	<	0.3	2	351	3	<1	10.0	-	-	50.	7.0	<

Map Sheet	Sample ID	Rep Stat	UTM Zn	UTM Easting	UTM Northing	Rock Unit	Rock Age	Sample Type	Stream Width	Stream Depth	Sample Cont.	Bank Type	Water Colour	Stream Flow	Sample Colour	Sample Comp	Bottom Pcpt	Bank Pcpt	Stream Physiog.	Stream Drainage	Stream Type	Stream Class	Source
021P	885004	10	20	281596	5228711	Os3	15	Sed/Water	25	2	-	Till	Clear	Slow	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885005	20	20	281596	5228711	Os3	15	Sed/Water	25	2	-	Till	Clear	Slow	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885006	00	20	279832	5229522	Os3	15	Sed/Water	70	3	Possible	Till	Clear	Modert	Gy-Blu	210	-	-	Hill	Dendrc	Permnt	Sec'ary	Ground
021P	885007	00	20	279207	5230179	Os3	15	Sed/Water	65	3	-	Till	Clear	Modert	Gy-Blu	210	-	-	Hill	Dendrc	Permnt	Sec'ary	Ground
021P	885008	00	20	277726	5230084	Os3	15	Sed/Water	40	2	-	Organic	Clear	Slow	Gy-Blu	121	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
021P	885009	00	20	277644	5230178	Os3	15	Sed/Water	28	1	-	Organic	Clear	Slow	Gy-Blu	211	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
021P	885011	00	20	276745	5233202	Omv2	15	Sed/Water	20	1	-	Till	Clear	Slow	Gy-Blu	211	Rd-Bn	Rd-Bn	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885012	00	20	273829	5235498	Ofv1	15	Sed/Water	25	3	-	Till	Clear	Slow	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885013	00	20	274979	5236616	Ofv1	15	Sed/Water	45	3	-	Till	Clear	Slow	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885014	00	20	276833	5231766	Os3	15	Sed/Water	100	3	-	Till	Clear	Fast	Gy-Blu	130	-	-	Hill	Dendrc	Permnt	Sec'ary	Ground
021P	885015	00	20	277024	5231934	Os3	15	Sed/Water	15	1	-	Till	Clear	Modert	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885016	00	20	273567	5232220	Omv2	15	Sed/Water	35	2	-	Till	Clear	Fast	Gy-Blu	121	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885017	00	20	275195	5231847	Os3	15	Sed/Water	50	2	-	Till	Clear	Fast	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885018	00	20	275199	5232207	Os3	15	Sed/Water	20	1	-	Organic	Clear	Slow	Bf-Bn	211	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
021P	885019	00	20	274877	5234451	Ofv1	15	Sed/Water	20	1	-	Till	Clear	Slow	Gy-Blu	310	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885020	00	20	279930	5232038	Os3	15	Sed/Water	22	1	-	Organic	Clear	Slow	Gy-Blu	022	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
021P	885022	00	20	285530	5224636	Os3	15	Sed/Water	25	2	-	Alluv	BnTrans	Modert	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885023	00	20	287658	5225617	Ps2	33	Sed/Water	20	2	-	Alluv	Clear	Modert	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885025	10	20	285444	5226627	Os3	15	Sed/Water	21	2	-	Till	Clear	Modert	Rd-Bn	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885026	20	20	285444	5226627	Os3	15	Sed/Water	21	2	-	Till	Clear	Modert	Rd-Bn	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885027	00	20	286102	5230232	Os3	15	Sed/Water	25	3	-	Till	Clear	Slow	Gy-Blu	220	-	-	Plain	Dendrc	Permnt	Pri'ary	Ground
021P	885028	00	20	286601	5229883	Os3	15	Sed/Water	42	2	-	Till	Clear	Slow	Gy-Blu	220	Black	Black	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885029	00	20	287237	5233507	Os3	15	Sed/Water	120	3	-	Till	Clear	Modert	Gy-Blu	220	Black	Black	Hill	Dendrc	Permnt	Sec'ary	Ground
021P	885030	00	20	285157	5234954	Os3	15	Sed/Water	220	3	-	Till	Clear	Fast	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Sec'ary	Ground
021P	885031	00	20	283976	5232923	Os3	15	Sed/Water	24	3	-	Alluv	Clear	Slow	Gy-Blu	220	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885032	00	20	286919	5236373	Ofv1	15	Sed/Water	7	1	-	Alluv	Clear	Slow	Gy-Blu	220	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
021P	885033	00	20	287210	5236096	Ofv1	15	Sed/Water	250	5	-	Alluv	Clear	Slow	Gy-Blu	220	-	Rd-Bn	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885034	00	20	274929	5224831	Os2	15	Sed/Water	20	2	Forestry	Alluv	BnTrans	Slow	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885035	00	20	286878	5236037	Ofv1	15	Sed/Water	5	1	-	Alluv	Clear	Slow	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885036	00	20	273483	5227241	Os2	15	Sed/Water	45	2	-	Alluv	Clear	Modert	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885037	00	20	274305	5227482	Os3	15	Sed/Water	20	1	-	Colluv	Clear	Slow	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885038	00	20	274830	5227745	Os3	15	Sed/Water	15	2	-	Colluv	Clear	Modert	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885039	00	20	275801	5228887	Os3	15	Sed/Water	13	2	-	Alluv	Clear	Slow	Gy-Blu	211	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
021P	885040	00	20	272940	5229413	Os3	15	Sed/Water	20	2	-	Till	Clear	Modert	Gy-Blu	211	Black	Black	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885042	00	20	279409	5224786	Os3	15	Sed/Water	12	2	Possible	Alluv	BnTrans	Slow	Gy-Blu	211	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
021P	885043	00	20	278612	5228155	Os3	15	Sed/Water	11	1	-	Alluv	Clear	Slow	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885044	00	20	281850	5224451	Os3	15	Sed/Water	22	1	-	Alluv	Clear	Slow	Gy-Blu	211	Rd-Bn	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885045	00	20	281976	5224210	Os3	15	Sed/Water	25	2	-	Alluv	BnTrans	Slow	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885046	10	20	282427	5224794	Os3	15	Sed/Water	30	2	-	Alluv	Clear	Slow	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885047	20	20	282427	5224794	Os3	15	Sed/Water	30	2	-	Alluv	Clear	Slow	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground

Analytical Data

			Variable:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au/Wt	Au	Au/Wt	F-W	pH	U-W
			Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb		ppb
			Detection Limit:	2	2	2	2	2	0.2	5	1	2	.02	10	1	0.5	20	5	0.2	0.2	2	40	1	1-var	wt	1-var	wt	20		0.05
			Analytical Method:	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	ISE	GCM	LIF
021P	885004	10		128	9	34	24	22	<	2530	8	<	2.85	91	10.1	3.7	233	29	0.5	0.3	2	517	2	<1	10.0	-	-	40.	6.9	<
021P	885005	20		142	10	31	28	21	<	3344	12	<	2.93	82	11.4	3.3	216	31	<	0.3	2	575	2	2.	10.0	-	-	40.	7.0	<
021P	885006	00		109	10	13	12	6	<	454	9	<	2.13	30	4.0	3.8	250	26	<	0.3	2	391	3	<1	10.0	-	-	40.	7.1	<
021P	885007	00		98	10	15	15	5	<	318	9	<	2.05	27	3.2	4.4	282	27	<	0.4	2	385	2	<1	10.0	-	-	40.	7.1	<
021P	885008	00		145	10	15	37	12	<	1057	13	<	2.68	52	9.1	4.9	260	26	1.0	0.3	2	467	4	<1	10.0	-	-	40.	7.3	<
021P	885009	00		119	9	11	12	12	<	1020	13	<	2.70	39	8.6	4.9	259	20	<	0.3	2	456	2	<1	10.0	-	-	50.	7.5	<
021P	885011	00		98	12	29	11	8	<	730	40	<	2.41	43	9.3	3.3	248	25	<	0.8	2	417	3	<1	10.0	-	-	50.	6.9	<
021P	885012	00		167	17	31	19	17	<	1185	5	<	3.31	67	18.0	3.2	320	67	0.5	0.4	2	362	2	2.	10.0	-	-	50.	7.2	<
021P	885013	00		188	16	33	18	15	<	1254	12	<	2.76	60	14.0	4.0	298	41	<	0.4	2	414	3	2.	10.0	-	-	50.	7.4	<
021P	885014	00		108	12	18	12	7	<	275	9	<	2.02	23	4.8	4.3	266	22	<	0.3	2	363	3	1.	10.0	-	-	40.	7.3	<
021P	885015	00		178	11	21	17	9	<	881	75	<	2.83	42	10.0	5.7	329	31	<	0.7	2	436	2	<1	10.0	-	-	40.	7.3	<
021P	885016	00		146	12	22	15	9	<	486	8	<	2.23	25	6.3	4.2	260	24	<	0.3	2	379	3	<1	10.0	-	-	40.	7.3	0.10
021P	885017	00		141	10	18	15	8	<	354	6	<	2.23	22	3.6	4.0	369	24	<	0.3	2	498	2	<1	10.0	-	-	40.	7.3	<
021P	885018	00		236	15	28	25	11	<	2794	80	2	3.24	74	19.2	6.0	315	31	<	0.9	2	507	4	<1	10.0	-	-	50.	7.5	<
021P	885019	00		292	16	51	45	8	<	286	13	<	2.39	62	9.6	6.6	309	33	<	0.3	2	630	3	<1	10.0	-	-	40.	6.3	<
021P	885020	00		128	11	17	16	8	<	356	7	<	1.83	67	24.0	6.4	485	20	<	0.3	2	405	3	<1	10.0	-	-	60.	7.1	<
021P	885022	00		47	5	10	12	6	<	906	2	<	1.73	23	3.6	3.5	175	19	<	0.3	2	316	2	<1	10.0	-	-	70.	6.9	<
021P	885023	00		51	3	9	11	6	<	942	2	<	1.87	23	3.0	2.8	159	21	<	0.3	2	332	3	<1	10.0	-	-	70.	7.0	<
021P	885025	10		30	3	8	12	5	<	212	1	<	1.25	20	2.8	3.9	160	15	<	0.3	2	238	3	<1	10.0	-	-	60.	7.0	<
021P	885026	20		37	3	9	11	7	<	211	1	<	1.40	22	4.5	3.8	156	16	<	0.2	2	283	1	<1	10.0	-	-	50.	6.8	<
021P	885027	00		96	15	17	18	10	<	350	3	<	1.88	34	8.5	4.3	195	22	<	0.2	2	378	3	5.	10.0	5	10.0	40.	6.6	<
021P	885028	00		44	5	12	14	7	<	487	2	<	1.79	32	5.2	3.7	193	21	<	0.2	2	358	3	1.	10.0	-	-	50.	6.7	<
021P	885029	00		50	5	12	17	7	<	529	4	<	1.82	16	4.0	3.8	186	21	<	0.3	2	303	1	1.	10.0	-	-	60.	6.6	<
021P	885030	00		723	315	88	28	96	<	5984	20	2	3.07	36	-9	4.8	297	49	4.9	1.0	2	392	5	89.	5.00	72	1.00	70.	6.8	0.65
021P	885031	00		112	8	14	23	11	<	1364	18	<	2.87	40	8.4	4.8	263	24	<	0.4	2	361	3	<1	10.0	-	-	50.	7.6	<
021P	885032	00		40	6	14	10	6	<	261	7	<	1.58	26	5.4	3.9	241	11	<	0.3	2	396	<	2.	10.0	-	-	50.	6.8	<
021P	885033	00		66	5	13	19	8	<	238	5	<	2.10	20	4.0	3.5	206	21	<	0.3	2	343	1	1.	10.0	-	-	50.	6.7	<
021P	885034	00		64	5	18	7	5	<	321	7	<	1.77	50	12.5	4.3	233	12	<	0.3	2	413	<	<1	10.0	-	-	70.	5.7	<
021P	885035	00		50	10	17	13	10	<	641	3	<	1.58	30	6.1	4.4	268	15	<	0.3	2	384	<	<1	10.0	-	-	50.	6.3	<
021P	885036	00		90	13	31	13	45	<	4664	40	<	3.86	36	8.6	5.4	343	18	<	1.1	2	481	2	1.	10.0	-	-	40.	6.0	<
021P	885037	00		140	13	23	28	29	<	9592	300	2	3.81	48	12.4	5.2	272	22	<	1.6	2	466	3	1.	10.0	-	-	30.	6.8	<
021P	885038	00		75	9	16	14	9	<	535	19	<	2.16	22	7.0	5.7	293	21	<	0.4	2	374	2	1.	10.0	-	-	20.	6.9	<
021P	885039	00		31	7	12	12	<	<	416	3	<	0.94	54	19.5	4.0	241	6	<	0.3	2	381	2	<1	10.0	-	-	20.	6.8	<
021P	885040	00		108	8	16	19	22	<	6556	130	<	2.76	40	8.1	3.9	259	19	<	0.9	2	434	2	<1	10.0	-	-	30.	6.9	<
021P	885042	00		93	11	14	36	11	<	861	3	<	3.09	38	14.2	3.5	295	24	<	1.2	2	681	1	2.	10.0	-	-	40.	6.8	<
021P	885043	00		66	4	14	8	6	<	1331	20	<	1.84	56	7.7	3.7	204	16	<	0.3	2	444	2	<1	10.0	-	-	40.	6.7	<
021P	885044	00		124	11	25	34	16	<	2772	14	<	3.45	51	9.1	4.9	287	32	<	0.5	2	528	2	1.	10.0	-	-	40.	7.0	<
021P	885045	00		64	10	20	25	10	<	656	2	<	2.43	73	11.3	3.4	256	23	<	0.2	2	452	3	2.	10.0	-	-	40.	6.2	<
021P	885046	10		88	6	14	26	12	<	1430	4	<	2.32	49	5.4	3.8	248	25	<	0.3	2	456	2	<1	10.0	-	-	50.	7.0	<
021P	885047	20		89	7	14	25	11	<	1716	3	<	2.19	46	6.0	3.6	302	23	<	0.3	2	456	1	<1	10.0	-	-	50.	6.9	<

National Geochemical Reconnaissance Stream Sediment and Water Geochemical Data. New Brunswick, 1989, GSC OF-1954, NGR 117-1989, NTS 0210, 021P
Field Data

Map Sheet	Sample ID	Rep Stat	UTM Zn	UTM Easting	UTM Northing	Rock Unit	Rock Age	Sample Type	Stream Width	Stream Depth	Sample Cont.	Bank Type	Water Colour	Stream Flow	Sample Colour	Sample Comp	Bottom Pcpt	Bank Pcpt	Stream Physiog.	Stream Drainage	Stream Type	Stream Class	Source
021P	885048	00	20	282440	5224948	Os3	15	Sed/Water	5	1	-	Alluv	Clear	Slow	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885049	00	20	276838	5224783	Os2	15	Sed/Water	10	1	-	Alluv	Clear	Slow	Gy-Blu	211	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
021P	885050	00	20	284712	5224671	Os3	15	Sed/Water	35	2	-	Till	Clear	Modert	Gy-Blu	211	Rd-Bn	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885051	00	20	281019	5222804	Os2	15	Sed/Water	11	2	-	Alluv	BnTrans	Slow	Gy-Blu	211	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
021P	885052	00	20	279897	5232826	Os3	15	Sed/Water	9	1	-	Alluv	Clear	Slow	Gy-Blu	211	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
021P	885053	00	20	279787	5232605	Os3	15	Sed/Water	10	1	Forestry	Till	Clear	Slow	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885054	00	20	278783	5233031	Omv2	15	Sed/Water	6	1	Forestry	Till	Clear	Slow	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885055	00	20	281094	5233814	Os3	15	Sed/Water	23	2	Forestry	Till	Clear	Slow	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885056	00	20	278243	5236158	Ofv2	15	Sed/Water	28	2	-	Till	Clear	Slow	Gy-Blu	211	Black	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885057	00	20	280767	5236268	Omv2	15	Sed/Water	28	2	-	Till	Clear	Modert	Gy-Blu	211	Black	Black	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885059	00	20	280802	5236412	Omv2	15	Sed/Water	70	3	-	Till	Clear	Fast	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885060	00	20	282639	5236168	Os3	15	Sed/Water	66	3	-	Till	Clear	Fast	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885063	10	20	282222	5233539	Os3	15	Sed/Water	30	1	-	Till	Clear	Modert	Gy-Blu	211	Black	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885064	20	20	282222	5233539	Os3	15	Sed/Water	30	1	-	Till	Clear	Modert	Gy-Blu	211	Black	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885065	00	20	284328	5235374	Os3	15	Sed/Water	11	2	-	Till	Clear	Fast	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885066	00	20	289915	5223532	Ps2	33	Sed/Water	5	1	-	Till	Clear	Slow	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885067	00	20	290574	5223584	Ps2	33	Sed/Water	8	1	Forestry	Till	Clear	Slow	BufBrn	210	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885068	00	20	289790	5226567	Ps2	33	Sed/Water	8	1	-	Alluv	Clear	Slow	Gy-Blu	211	-	-	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885069	00	20	291649	5228907	Ps2	33	Sed/Water	10	2	Forestry	Till	Clear	Slow	Gy-Blu	211	Black	Black	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885070	00	20	291668	5229279	Ps2	33	Sed/Water	5	2	-	Till	Clear	Slow	Gy-Blu	121	Black	Black	Hill	Dendrc	Permnt	Pri'ary	Ground
021P	885071	00	20	288167	5228418	Ps2	33	Sed/Water	22	1	-	Till	BnTrans	Slow	Gy-Blu	211	Black	Black	Swamp	Dendrc	Permnt	Pri'ary	Ground
021P	885072	00	20	290650	5233248	Ps2	33	Sed/Water	5	1	-	Alluv	Clear	Stagnt	Gy-Blu	211	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
021P	885073	00	20	289407	5231526	Ps2	33	Sed/Water	40	4	-	Alluv	BnTrans	Slow	Gy-Blu	211	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
021P	885074	00	20	289343	5231747	Ps2	33	Sed/Water	35	4	-	Alluv	BnTrans	Slow	Gy-Blu	211	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground
021P	885075	00	20	288804	5231390	Ps2	33	Sed/Water	20	1	-	Alluv	BnTrans	Slow	Gy-Blu	211	Black	Black	Swamp	Dendrc	Permnt	Pri'ary	Ground
021P	885076	00	20	290623	5236038	Ps2	33	Sed/Water	10	1	Forestry	Alluv	BnTrans	Slow	Gy-Blu	211	-	-	Swamp	Dendrc	Permnt	Pri'ary	Ground

National Geochemical Reconnaissance Stream Sediment and Water Geochemical Data. New Brunswick, 1989, GSC OF-1954, NGR 117-1989, NTS 0210, 021P

Analytical Data

Variable:			Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au/Wt	Au	Au/Wt	F-W	pH	U-W
Units:			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb		ppb
Detection Limit:			2	2	2	2	2	0.2	5	1	2	.02	10	1	0.5	20	5	0.2	0.2	2	40	1	1-var	wt	1-var	wt	20		0.05
Analytical Method:			AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	ISE	GCM	LIF
021P	885048	00	231	43	67	54	26	<	3036	25	10	11.39	219	21.8	15.0	307	95	0.8	1.3	2	532	3	4.	10.0	3	10.0	40.	6.5	<
021P	885049	00	27	3	17	6	2	<	210	4	<	1.54	43	7.2	3.8	215	9	<	0.2	2	467	1	<1	10.0	-	-	40.	6.2	<
021P	885050	00	80	9	14	28	13	<	3036	6	<	2.69	43	4.2	3.8	240	33	<	0.3	2	377	1	<1	10.0	-	-	40.	6.7	<
021P	885051	00	61	9	15	29	7	<	450	1	<	1.78	84	10.3	3.7	236	14	<	0.2	2	456	1	<1	10.0	-	-	50.	6.4	<
021P	885052	00	100	17	18	32	5	<	1628	17	<	2.18	112	23.6	8.1	248	20	<	0.4	2	473	4	2.	10.0	-	-	30.	7.2	<
021P	885053	00	189	13	25	18	13	<	5720	30	3	3.14	78	17.1	6.2	252	42	1.0	0.6	2	386	4	1.	10.0	-	-	40.	7.3	<
021P	885054	00	100	25	15	61	5	<	2002	12	<	1.93	35	17.5	9.2	242	18	0.2	0.4	2	437	4	1.	10.0	-	-	30.	7.6	<
021P	885055	00	41	6	12	12	4	<	300	11	<	1.83	45	5.5	4.7	292	14	<	0.3	2	390	1	<1	10.0	-	-	40.	6.9	<
021P	885056	00	226	6	158	9	38	<	13640	140	8	3.19	76	10.8	4.1	335	25	3.8	1.6	2	557	2	<1	10.0	-	-	40.	6.6	<
021P	885057	00	289	14	113	16	28	<	9790	100	3	4.02	90	20.2	4.9	278	37	0.9	0.9	2	429	3	2.	10.0	3	10.0	40.	6.7	<
021P	885059	00	1770	425	113	27	115	<	9130	20	3	2.86	45	8.5	4.6	325	43	6.9	0.9	2	410	3	76.	10.0	60	5.00	70.	6.7	0.94
021P	885060	00	756	126	56	16	36	<	1562	11	<	2.17	36	6.2	4.6	266	33	1.4	0.5	2	369	3	36.	10.0	38	10.0	70.	7.0	1.15
021P	885063	10	110	8	19	17	12	<	6248	20	<	2.77	59	10.7	4.4	204	23	<	0.3	2	478	3	1.	10.0	-	-	70.	7.4	<
021P	885064	20	81	9	12	26	11	<	1958	15	<	2.48	49	8.2	4.8	229	20	<	0.3	2	431	3	<1	10.0	-	-	60.	7.6	<
021P	885065	00	967	195	69	23	73	<	5918	18	2	2.69	35	6.2	4.8	286	36	2.9	0.6	2	388	4	77.	10.0	71	10.0	70.	7.4	0.47
021P	885066	00	92	6	14	14	7	<	1980	2	<	2.01	32	7.9	3.3	161	18	<	0.2	2	551	1	<1	10.0	-	-	80.	7.5	<
021P	885067	00	48	6	11	12	4	<	532	2	<	1.58	24	5.0	3.2	152	18	<	0.3	2	353	1	<1	10.0	-	-	90.	7.6	<
021P	885068	00	27	2	6	5	2	<	442	<	<	1.02	27	4.4	2.4	128	8	<	0.2	2	377	<	<1	10.0	-	-	70.	7.6	<
021P	885069	00	66	7	11	10	8	<	2794	5	<	1.64	35	5.9	2.9	166	14	<	0.3	2	502	1	<1	10.0	-	-	70.	7.0	<
021P	885070	00	81	7	14	14	7	<	10582	7	<	2.07	49	7.3	2.6	164	20	<	0.3	2	858	2	<1	10.0	-	-	80.	7.2	<
021P	885071	00	31	2	8	7	4	<	509	1	<	1.33	19	4.2	3.6	150	16	<	0.3	2	315	2	2.	10.0	-	-	60.	2.0	<
021P	885072	00	17	2	11	6	2	<	262	1	<	0.77	30	6.6	3.1	98	11	0.4	0.2	2	275	1	<1	10.0	-	-	50.	6.9	<
021P	885073	00	65	6	10	17	7	<	608	3	<	1.97	46	6.0	4.2	173	25	<	0.3	2	384	2	<1	10.0	-	-	70.	7.2	<
021P	885074	00	64	6	11	16	7	<	611	2	<	1.74	49	5.0	4.3	201	22	<	0.3	2	403	1	<1	10.0	-	-	70.	7.1	<
021P	885075	00	634	134	55	23	54	<	5346	13	2	2.59	41	7.1	4.4	237	34	1.5	0.6	2	435	1	58.	10.0	45	10.0	70.	6.9	0.14
021P	885076	00	28	6	6	43	10	<	153	<	<	0.71	24	4.9	3.3	148	11	<	0.7	2	277	1	<1	10.0	-	-	60.	5.5	<

Summary Statistics for Total Data Set

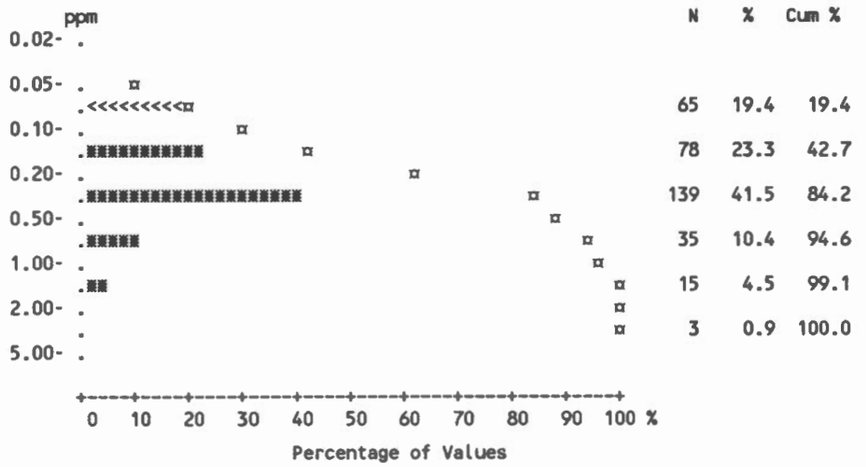
Variable	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm
Detection Limit	2	2	2	2	2	0.2	5	1	2	.02	10	1	0.5
Analytical Method	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC
Number of Values	335	335	335	335	335	335	335	335	335	335	335	335	335
Values > D.L.	335	332	335	332	324	54	335	325	77	335	335	334	335
Number of Missing Values	0	0	0	0	0	0	0	0	0	0	0	0	0
Mean	136.23	15.15	27.31	19.26	20.69	0.1713	2101.11	21.42	1.56	2.66	62.88	13.98	6.59
Standard Deviation	153.56	32.37	21.50	15.96	28.02	0.4500	3246.95	42.98	1.62	1.54	45.02	11.16	7.47
Skewness	5.12	9.25	2.33	2.56	3.59	11.49	2.66	4.46	5.74	3.37	2.36	2.15	8.43
Excess Kurtosis	41.54	99.59	7.21	9.80	16.28	138.83	7.75	24.00	46.16	23.70	6.91	5.11	93.47
Coef. of Var. %	112.72	213.62	78.74	82.87	135.42	262.61	154.54	200.63	103.97	58.00	71.59	79.88	113.37
Std Error of the Mean	8.39	1.77	1.17	0.8722	1.53	0.0246	177.40	2.35	0.0885	0.0843	2.46	0.6100	0.4083
Lower 95% limit on Mean	119.73	11.67	25.00	17.55	17.68	0.1230	1752.11	16.80	1.38	2.49	58.04	12.78	5.79
Upper 95% limit on Mean	152.74	18.63	29.62	20.98	23.70	0.2197	2450.11	26.04	1.73	2.83	67.72	15.18	7.40
Geometric Statistics													
Mean	96.63	9.66	21.66	14.40	12.41	0.1215	870.02	7.72	1.28	2.31	52.23	10.91	5.46
Log10 Mean	1.99	0.9848	1.34	1.16	1.09	-0.9154	2.94	0.8878	0.1070	0.3633	1.72	1.04	0.7369
Log10 S.D.	0.3477	0.3460	0.2881	0.3480	0.4261	0.2311	0.5844	0.6063	0.2225	0.2434	0.2548	0.2973	0.2217
Log10 Std. Error of Mean	0.0190	0.0189	0.0157	0.0190	0.0233	0.0126	0.0319	0.0331	0.0122	0.0133	0.0139	0.0162	0.0121
Lower 95% limit on Mean	88.66	8.86	20.17	13.21	11.17	0.1147	752.87	6.65	1.21	2.17	49.04	10.14	5.16
Upper 95% limit on Mean	105.31	10.52	23.26	15.70	13.79	0.1286	1005.41	8.97	1.35	2.45	55.63	11.74	5.76
Percentiles													
Min Value	10.00	1.00	4.00	1.00	1.00	0.1000	21.00	0.5000	1.00	0.1600	14.00	2.20	2.00
25th %tile	57.00	6.00	13.00	9.00	7.00	0.1000	365.00	3.00	1.00	1.80	35.00	7.10	3.80
50th %tile	92.00	9.00	21.00	15.00	12.00	0.1000	754.00	7.00	1.00	2.46	50.00	10.30	5.10
75th %tile	162.00	15.00	34.00	25.00	19.00	0.1000	2068.00	17.00	1.00	3.24	76.00	16.90	6.70
80th %tile	178.00	17.00	38.00	28.00	24.00	0.1000	2832.00	23.00	2.00	3.43	86.00	19.60	7.30
90th %tile	266.00	24.00	52.00	37.00	50.00	0.2000	6084.00	55.00	3.00	4.02	112.00	25.50	10.40
95th %tile	366.00	33.00	69.00	47.00	82.00	0.4000	10080	82.00	4.00	5.02	152.00	42.40	13.00
98th %tile	634.00	66.00	105.00	62.00	115.00	0.6000	13200	169.00	6.00	6.58	229.00	52.80	26.10
99th %tile	756.00	134.00	113.00	97.00	144.00	1.10	14300	250.00	9.00	7.96	261.00	56.20	27.20
Max Value	1770.00	425.00	158.00	113.00	218.00	5.90	>20000	350.00	19.00	16.85	284.00	64.10	104.00

Summary Statistics for Total Data Set

Variable	F	V	Cd	Sb	W	Ba	Sn	Au	F-W	pH	U-W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb		ppb
Detection Limit	20	5	0.2	0.2	2	40	1	1-var	20		0.05
Analytical Method	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	ISE	GCM	LIF
Number of Values	335	335	335	335	335	335	335	335	335	335	335
Values > D.L.	335	328	139	270	335	335	283	111	335	335	18
Number of Missing Values	0	0	0	0	0	0	0	0	0	0	0
Mean	255.49	23.04	0.4794	0.3725	2.20	418.44	2.39	2.14	43.22	6.57	0.0467
Standard Deviation	95.58	13.29	0.8885	0.3633	0.9699	121.60	1.58	9.09	13.39	0.6234	0.1408
Skewness	1.05	1.44	5.02	2.96	7.32	2.46	0.9513	7.41	0.9731	-1.57	8.19
Excess Kurtosis	3.02	3.27	32.65	10.51	64.33	14.00	1.01	57.14	0.7646	7.80	71.95
Coef. of Var. %	37.41	57.69	185.33	97.52	44.03	29.06	66.11	424.83	30.99	9.49	301.79
Std Error of the Mean	5.22	0.7261	0.0485	0.0199	0.0530	6.64	0.0861	0.4968	0.7318	0.0341	0.0077
Lower 95% limit on Mean	245.22	21.61	0.3839	0.3335	2.10	405.37	2.22	1.16	41.78	6.50	0.0315
Upper 95% limit on Mean	265.77	24.47	0.5749	0.4116	2.31	431.51	2.55	3.12	44.66	6.63	0.0618
Geometric Statistics											
Mean	238.29	19.51	0.2244	0.2776	2.12	403.23	1.85	0.7578	41.34	6.53	0.0283
Log10 Mean	2.38	1.29	-0.6490	-0.5566	0.3260	2.61	0.2682	-0.1204	1.62	0.8150	-1.55
Log10 S.D.	0.1661	0.2652	0.4738	0.3142	0.0996	0.1192	0.3302	0.3674	0.1289	0.0482	0.2472
Log10 Std. Error of Mean	0.0091	0.0145	0.0259	0.0172	0.0054	0.0065	0.0180	0.0201	0.0070	0.0026	0.0135
Lower 95% limit on Mean	228.69	18.27	0.1996	0.2568	2.07	391.51	1.71	0.6919	40.04	6.45	0.0266
Upper 95% limit on Mean	248.29	20.84	0.2523	0.3001	2.17	415.30	2.01	0.8300	42.68	6.61	0.0300
Percentiles											
Min Value	70.00	2.50	0.1000	0.1000	2.00	107.00	0.5000	0.5000	20.00	2.00	0.0250
25th %tile	186.00	15.00	0.1000	0.2000	2.00	355.00	1.00	0.5000	30.00	6.20	0.0250
50th %tile	248.00	20.00	0.1000	0.3000	2.00	406.00	2.00	0.5000	40.00	6.70	0.0250
75th %tile	303.00	29.00	0.5000	0.4000	2.00	461.00	3.00	1.00	50.00	7.00	0.0250
80th %tile	316.00	31.00	0.7000	0.4000	2.00	473.00	3.00	1.00	50.00	7.00	0.0250
90th %tile	372.00	42.00	1.20	0.8000	2.00	532.00	5.00	2.00	60.00	7.20	0.0250
95th %tile	428.00	48.00	1.80	1.10	4.00	607.00	5.00	3.00	70.00	7.40	0.0700
98th %tile	460.00	58.00	2.90	1.60	4.00	702.00	7.00	31.00	80.00	7.60	0.3100
99th %tile	488.00	65.00	4.90	2.00	6.00	858.00	7.00	58.00	80.00	7.60	0.9400
Max Value	768.00	95.00	8.30	2.50	12.00	1250.00	9.00	89.00	90.00	7.80	1.60

Statistics per Variable

Variable - Antimony [Sb]
Number of Values - 335
Units - ppm
Detection Limit - 0.2
Analytical Method - AAS

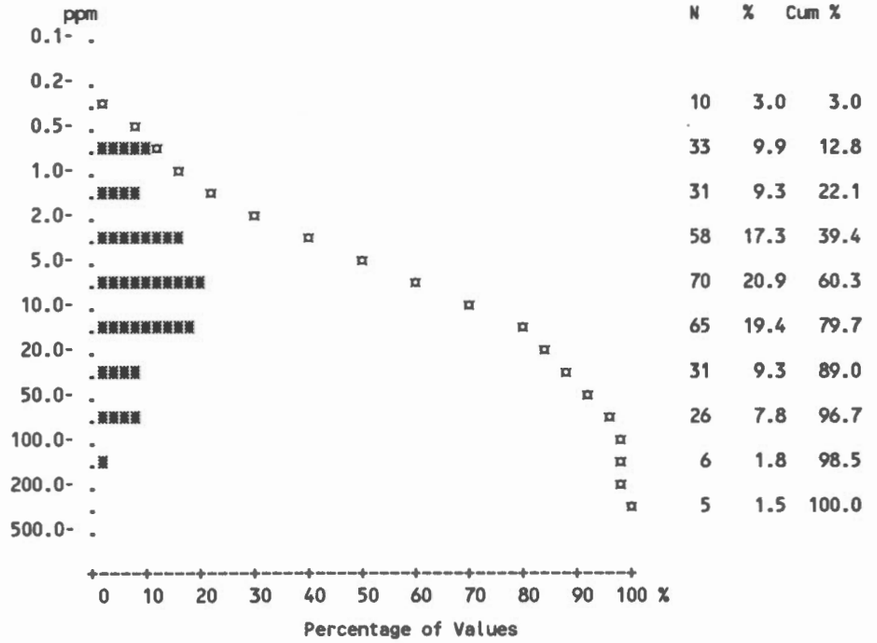


	All Units*	Os2	Os3	Ps2	Ofv1	Omv2	Ofv2	Of2
Number of Values	335	135	61	39	37	28	16	13
Number of Values > D.L.	270	101	56	39	28	22	10	8
Number of Missing Values	0	0	0	0	0	0	0	0
Mean	0.37	0.32	0.48	0.33	0.34	0.41	0.32	0.38
Standard Deviation	0.36	0.34	0.37	0.096	0.39	0.45	0.39	0.36
Skewness	2.96	3.62	1.77	1.97	3.07	2.00	2.35	0.99
Excess Kurtosis	10.51	16.60	2.91	4.71	10.05	3.36	4.85	-0.40
Coef. of Var. %	97.52	104.69	77.68	28.65	113.19	108.96	120.81	94.52
Std. Error of the Mean	0.02	0.029	0.048	0.015	0.063	0.085	0.096	0.099
Lower 95% limit on Mean	0.33	0.27	0.39	0.30	0.21	0.24	0.11	0.16
Upper 95% limit on Mean	0.41	0.38	0.58	0.36	0.47	0.58	0.52	0.59
Geometric Statistics								
Mean	0.28	0.24	0.38	0.32	0.25	0.28	0.22	0.25
Log10 Mean	-0.56	-0.62	-0.42	-0.49	-0.61	-0.56	-0.67	-0.60
Log10 S.D.	0.31	0.31	0.30	0.11	0.32	0.37	0.35	0.40
Log10 Std. Error of Mean	0.02	0.027	0.038	0.017	0.053	0.069	0.089	0.11
Lower 95% limit on Mean	0.26	0.21	0.32	0.30	0.19	0.20	0.14	0.14
Upper 95% limit on Mean	0.30	0.27	0.45	0.35	0.31	0.38	0.33	0.44
Percentiles								
Min Value	0.10	0.10	0.10	0.20	0.10	0.10	0.10	0.10
25th %tile	0.20	0.10	0.30	0.30	0.20	0.20	0.10	0.10
50th %tile	0.30	0.20	0.30	0.30	0.20	0.20	0.20	0.20
75th %tile	0.40	0.30	0.50	0.40	0.30	0.40	0.30	0.70
80th %tile	0.40	0.40	0.70	0.40	0.40	0.70	0.30	0.70
90th %tile	0.80	0.60	1.00	0.40	0.60	0.90	0.80	0.80
95th %tile	1.10	0.80	1.20	0.60	1.30	1.60	1.60	1.20
98th %tile	1.60	1.50	1.60	0.70	2.10	1.90	1.60	1.20
99th %tile	2.00	2.00	1.90	0.70	2.10	1.90	1.60	1.20
Max Value	2.50	2.50	1.90	0.70	2.10	1.90	1.60	1.20

* Summary statistics not listed for rock units with less than 10 values.

Statistics per Variable

Variable - Arsenic [As]
Number of Values - 335
Units - ppm
Detection Limit - 1
Analytical Method - AAS

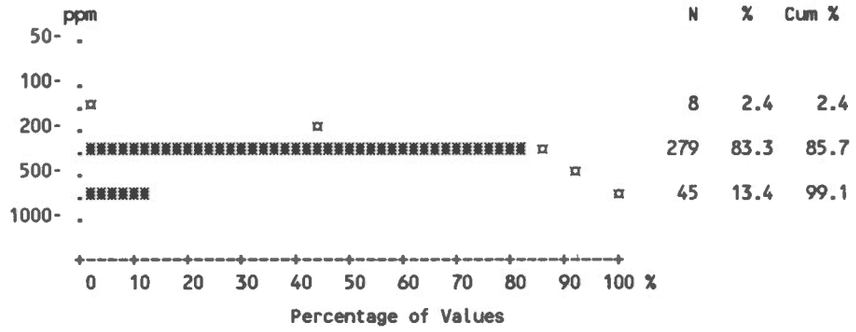


	All Units*	Os2	Os3	Ps2	Ofv1	Omv2	Ofv2	Of2
Number of Values	335	135	61	39	37	28	16	13
Number of Values > D.L.	325	131	61	34	37	28	16	13
Number of Missing Values	0	0	0	0	0	0	0	0
Mean	21.42	21.02	26.89	3.17	36.35	13.64	22.38	34.69
Standard Deviation	42.98	32.70	56.38	3.04	71.52	19.22	37.02	57.27
Skewness	4.46	3.27	3.84	1.61	3.13	3.35	2.16	1.65
Excess Kurtosis	24.00	13.99	15.30	2.21	9.49	11.81	3.71	1.76
Coef. of Var. %	200.63	155.57	209.71	96.00	196.75	140.87	165.44	165.09
Std. Error of the Mean	2.35	2.81	7.22	0.49	11.76	3.63	9.25	15.88
Lower 95% limit on Mean	16.80	15.46	12.45	2.18	12.49	6.19	2.65	0.079
Upper 95% limit on Mean	26.04	26.59	41.32	4.15	60.21	21.10	42.10	69.31
Geometric Statistics								
Mean	7.72	8.84	8.92	2.11	13.26	8.58	10.39	7.75
Log10 Mean	0.89	0.95	0.95	0.32	1.12	0.93	1.02	0.89
Log10 S.D.	0.61	0.59	0.63	0.40	0.59	0.39	0.49	0.84
Log10 Std. Error of Mean	0.03	0.051	0.081	0.065	0.096	0.073	0.12	0.23
Lower 95% limit on Mean	6.65	7.01	6.15	1.56	8.46	6.07	5.71	2.42
Upper 95% limit on Mean	8.97	11.15	12.93	2.85	20.78	12.12	18.91	24.81
Percentiles								
Min Value	0.50	0.50	1.00	0.50	1.00	2.00	2.00	1.00
25th %tile	3.00	4.00	3.00	1.00	6.00	5.00	6.00	1.00
50th %tile	7.00	8.00	9.00	2.00	12.00	8.00	7.00	8.00
75th %tile	17.00	23.00	20.00	5.00	36.00	12.00	11.00	50.00
80th %tile	23.00	38.00	25.00	5.00	38.00	13.00	16.00	85.00
90th %tile	55.00	60.00	75.00	8.00	62.00	38.00	77.00	86.00
95th %tile	82.00	80.00	80.00	12.00	250.00	40.00	140.00	194.00
98th %tile	169.00	142.00	300.00	13.00	350.00	100.00	140.00	194.00
99th %tile	250.00	167.00	300.00	13.00	350.00	100.00	140.00	194.00
Max Value	350.00	228.00	300.00	13.00	350.00	100.00	140.00	194.00

* Summary statistics not listed for rock units with less than 10 values.

Statistics per Variable

Variable - Barium [Ba]
Number of Values - 335
Units - ppm
Detection Limit - 40
Analytical Method - DCP

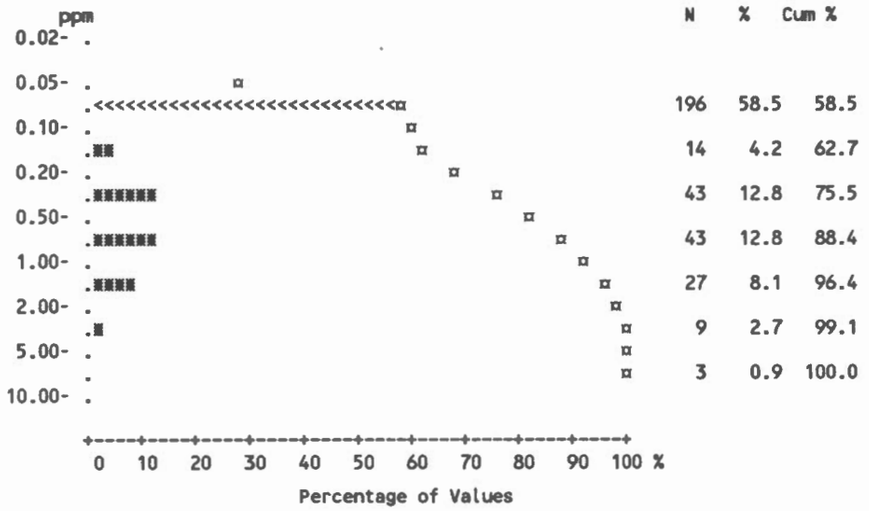


	All Units*	Os2	Os3	Ps2	Ofv1	Omv2	Ofv2	Of2
Number of Values	335	135	61	39	37	28	16	13
Number of Values > D.L.	335	135	61	39	37	28	16	13
Number of Missing Values	0	0	0	0	0	0	0	0
Mean	418.44	420.11	411.61	424.51	448.78	410.50	448.44	341.38
Standard Deviation	121.60	130.22	78.43	141.87	155.69	73.82	95.04	130.28
Skewness	2.46	2.45	0.13	1.39	3.68	0.97	1.56	-0.16
Excess Kurtosis	14.00	13.61	1.65	1.25	16.17	0.33	2.49	-1.10
Coef. of Var. %	29.06	31.00	19.05	33.42	34.69	17.98	21.19	38.16
Std. Error of the Mean	6.64	11.21	10.04	22.72	25.59	13.95	23.76	36.13
Lower 95% limit on Mean	405.37	397.94	391.52	378.51	396.84	381.87	397.81	262.65
Upper 95% limit on Mean	431.51	442.28	431.69	470.52	500.73	439.13	499.07	420.12
Geometric Statistics								
Mean	403.23	402.60	403.79	405.71	432.54	404.63	440.41	313.22
Log10 Mean	2.61	2.60	2.61	2.61	2.64	2.61	2.64	2.50
Log10 S.D.	0.12	0.13	0.088	0.13	0.11	0.074	0.082	0.20
Log10 Std. Error of Mean	0.01	0.011	0.011	0.020	0.018	0.014	0.021	0.056
Lower 95% limit on Mean	391.51	382.71	383.33	368.98	397.88	378.85	398.04	236.33
Upper 95% limit on Mean	415.30	423.52	425.34	446.09	470.21	432.17	487.29	415.13
Percentiles								
Min Value	107.00	133.00	199.00	275.00	286.00	307.00	321.00	107.00
25th %tile	355.00	363.00	377.00	327.00	385.00	353.00	393.00	292.00
50th %tile	406.00	409.00	405.00	380.00	425.00	389.00	421.00	328.00
75th %tile	461.00	466.00	456.00	477.00	469.00	437.00	460.00	424.00
80th %tile	473.00	481.00	466.00	551.00	473.00	444.00	473.00	475.00
90th %tile	532.00	529.00	498.00	659.00	571.00	541.00	557.00	504.00
95th %tile	607.00	600.00	528.00	797.00	639.00	545.00	734.00	545.00
98th %tile	702.00	702.00	539.00	858.00	1250.00	612.00	734.00	545.00
99th %tile	858.00	1010.00	681.00	858.00	1250.00	612.00	734.00	545.00
Max Value	1250.00	1250.00	681.00	858.00	1250.00	612.00	734.00	545.00

* Summary statistics not listed for rock units with less than 10 values.

Statistics per Variable

Variable - Cadmium [Cd]
Number of Values - 335
Units - ppm
Detection Limit - 0.2
Analytical Method - AAS

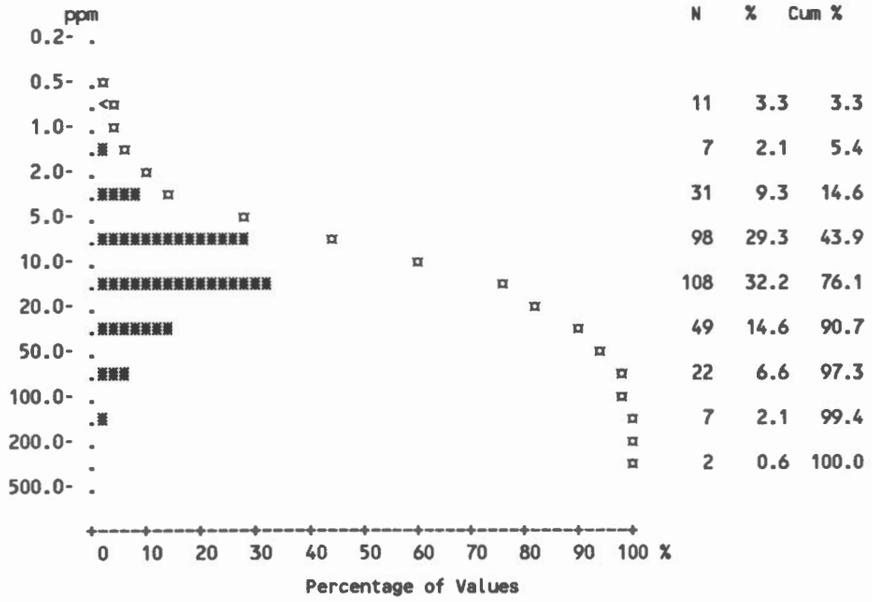


	All Units*	Os2	Os3	Ps2	Ofv1	Omv2	Ofv2	Of2
Number of Values	335	135	61	39	37	28	16	13
Number of Values > D.L.	139	60	16	10	23	11	8	9
Number of Missing Values	0	0	0	0	0	0	0	0
Mean	0.48	0.44	0.38	0.28	0.79	0.61	0.61	0.71
Standard Deviation	0.89	0.78	0.76	0.37	1.38	1.33	0.99	0.50
Skewness	5.02	4.49	4.11	1.93	4.36	3.82	2.14	0.049
Excess Kurtosis	32.65	26.22	19.34	2.64	20.87	15.03	3.92	-1.54
Coef. of Var. %	185.33	176.78	199.70	131.12	174.02	218.87	161.39	71.00
Std. Error of the Mean	0.05	0.067	0.098	0.059	0.23	0.25	0.25	0.14
Lower 95% limit on Mean	0.38	0.31	0.19	0.16	0.33	0.092	0.086	0.40
Upper 95% limit on Mean	0.57	0.58	0.58	0.40	1.25	1.12	1.14	1.01
Geometric Statistics								
Mean	0.22	0.22	0.17	0.16	0.38	0.23	0.26	0.47
Log10 Mean	-0.65	-0.66	-0.76	-0.78	-0.42	-0.64	-0.58	-0.33
Log10 S.D.	0.47	0.45	0.45	0.39	0.52	0.53	0.54	0.48
Log10 Std. Error of Mean	0.03	0.039	0.057	0.063	0.086	0.099	0.13	0.13
Lower 95% limit on Mean	0.20	0.18	0.13	0.12	0.25	0.14	0.14	0.24
Upper 95% limit on Mean	0.25	0.26	0.23	0.22	0.56	0.37	0.51	0.91
Percentiles								
Min Value	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
25th %tile	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
50th %tile	0.10	0.10	0.10	0.10	0.50	0.10	0.10	0.70
75th %tile	0.50	0.50	0.20	0.20	1.00	0.50	0.60	1.10
80th %tile	0.70	0.60	0.50	0.50	1.20	0.80	0.70	1.30
90th %tile	1.20	0.90	1.00	1.00	1.40	1.70	1.60	1.30
95th %tile	1.80	2.10	1.40	1.30	2.00	2.00	3.80	1.50
98th %tile	2.90	2.40	2.90	1.50	8.30	6.90	3.80	1.50
99th %tile	4.90	3.90	4.90	1.50	8.30	6.90	3.80	1.50
Max Value	8.30	6.40	4.90	1.50	8.30	6.90	3.80	1.50

* Summary statistics not listed for rock units with less than 10 values.

Statistics per Variable

Variable - Cobalt [Co]
Number of Values - 335
Units - ppm
Detection Limit - 2
Analytical Method - AAS

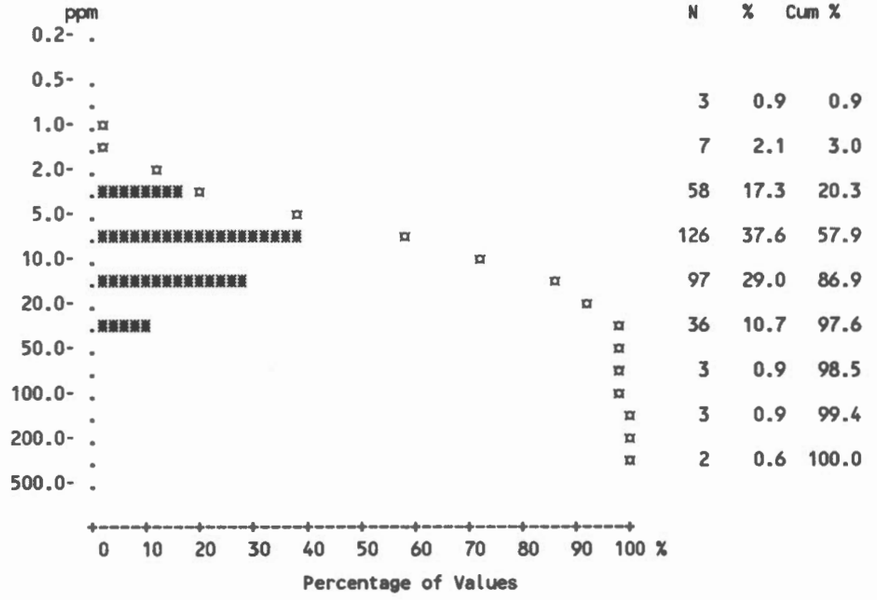


	All Units*	Os2	Os3	Ps2	Ofv1	Omv2	Ofv2	Of2
Number of Values	335	135	61	39	37	28	16	13
Number of Values > D.L.	324	125	60	39	37	28	16	13
Number of Missing Values	0	0	0	0	0	0	0	0
Mean	20.69	28.65	19.49	8.82	11.89	19.39	17.25	15.15
Standard Deviation	28.02	37.57	24.84	7.84	5.45	20.10	8.79	14.02
Skewness	3.59	2.57	3.09	4.84	0.75	3.79	0.82	1.19
Excess Kurtosis	16.28	7.94	10.31	25.28	0.21	15.32	-0.26	0.43
Coef. of Var. %	135.42	131.14	127.44	88.92	45.79	103.67	50.96	92.50
Std. Error of the Mean	1.53	3.23	3.18	1.26	0.90	3.80	2.20	3.89
Lower 95% limit on Mean	17.68	22.26	13.13	6.28	10.08	11.60	12.57	6.68
Upper 95% limit on Mean	23.70	35.05	25.85	11.36	13.71	27.19	21.93	23.62
Geometric Statistics								
Mean	12.41	14.15	12.74	7.47	10.72	15.20	15.30	10.00
Log10 Mean	1.09	1.15	1.11	0.87	1.03	1.18	1.18	1.00
Log10 S.D.	0.43	0.55	0.37	0.23	0.21	0.28	0.22	0.44
Log10 Std. Error of Mean	0.02	0.047	0.048	0.037	0.034	0.053	0.056	0.12
Lower 95% limit on Mean	11.17	11.41	10.23	6.28	9.15	11.86	11.64	5.45
Upper 95% limit on Mean	13.79	17.56	15.86	8.88	12.54	19.49	20.11	18.37
Percentiles								
Min Value	1.00	1.00	1.00	2.00	4.00	5.00	6.00	2.00
25th %tile	7.00	7.00	8.00	6.00	8.00	9.00	13.00	6.00
50th %tile	12.00	14.00	12.00	8.00	11.00	17.00	14.00	13.00
75th %tile	19.00	30.00	18.00	10.00	15.00	20.00	21.00	19.00
80th %tile	24.00	48.00	22.00	10.00	17.00	24.00	23.00	20.00
90th %tile	50.00	76.00	36.00	11.00	18.00	28.00	30.00	35.00
95th %tile	82.00	101.00	73.00	13.00	25.00	33.00	38.00	50.00
98th %tile	115.00	149.00	96.00	54.00	27.00	115.00	38.00	50.00
99th %tile	144.00	210.00	144.00	54.00	27.00	115.00	38.00	50.00
Max Value	218.00	218.00	144.00	54.00	27.00	115.00	38.00	50.00

* Summary statistics not listed for rock units with less than 10 values.

Statistics per Variable

Variable - Copper [Cu]
Number of Values - 335
Units - ppm
Detection Limit - 2
Analytical Method - AAS

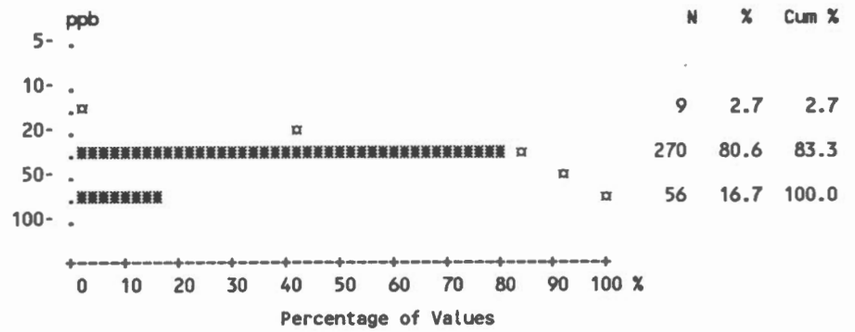


	All Units*	Os2	Os3	Ps2	Ofv1	Omv2	Ofv2	Of2
Number of Values	335	135	61	39	37	28	16	13
Number of Values > D.L.	332	134	61	37	37	28	16	13
Number of Missing Values	0	0	0	0	0	0	0	0
Mean	15.15	13.19	20.64	8.77	13.70	28.32	13.06	8.31
Standard Deviation	32.37	11.90	47.65	20.75	7.59	78.12	8.64	4.15
Skewness	9.25	2.68	4.83	5.63	1.13	4.67	0.59	0.51
Excess Kurtosis	99.59	9.57	24.21	31.02	1.15	20.74	-0.92	-1.50
Coef. of Var. %	213.62	90.24	230.87	236.62	55.39	275.85	66.18	49.97
Std. Error of the Mean	1.77	1.02	6.10	3.32	1.25	14.76	2.16	1.15
Lower 95% limit on Mean	11.67	11.16	8.44	2.04	11.17	-1.97	8.46	5.80
Upper 95% limit on Mean	18.63	15.21	32.84	15.50	16.23	58.62	17.67	10.82
Geometric Statistics								
Mean	9.66	9.79	10.82	5.16	11.86	13.77	10.25	7.42
Log10 Mean	0.98	0.99	1.03	0.71	1.07	1.14	1.01	0.87
Log10 S.D.	0.35	0.33	0.37	0.34	0.24	0.35	0.34	0.21
Log10 Std. Error of Mean	0.02	0.029	0.047	0.055	0.040	0.067	0.084	0.059
Lower 95% limit on Mean	8.86	8.59	8.69	3.99	9.85	10.04	6.79	5.51
Upper 95% limit on Mean	10.52	11.16	13.45	6.67	14.28	18.89	15.47	9.99
Percentiles								
Min Value	1.00	1.00	3.00	1.00	3.00	5.00	2.00	4.00
25th %tile	6.00	6.00	7.00	3.00	9.00	9.00	6.00	5.00
50th %tile	9.00	9.00	10.00	6.00	12.00	12.00	10.00	7.00
75th %tile	15.00	18.00	14.00	7.00	17.00	16.00	18.00	12.00
80th %tile	17.00	19.00	14.00	8.00	19.00	18.00	21.00	13.00
90th %tile	24.00	27.00	21.00	10.00	24.00	25.00	27.00	15.00
95th %tile	33.00	33.00	43.00	11.00	29.00	44.00	31.00	15.00
98th %tile	66.00	63.00	195.00	134.00	38.00	425.00	31.00	15.00
99th %tile	134.00	66.00	315.00	134.00	38.00	425.00	31.00	15.00
Max Value	425.00	78.00	315.00	134.00	38.00	425.00	31.00	15.00

* Summary statistics not listed for rock units with less than 10 values.

Statistics per Variable

Variable - Fluoride [F-W]
Number of Values - 335
Units - ppb
Detection Limit - 20
Analytical Method - ISE

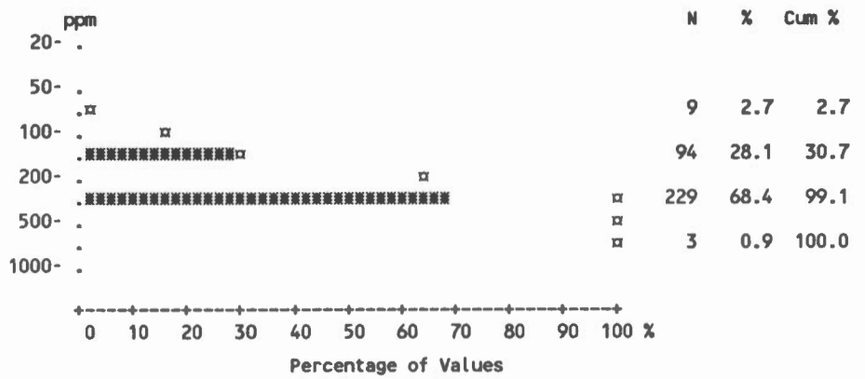


	All Units*	Os2	Os3	Ps2	Ofv1	Omv2	Ofv2	Of2
Number of Values	335	135	61	39	37	28	16	13
Number of Values > D.L.	335	135	61	39	37	28	16	13
Number of Missing Values	0	0	0	0	0	0	0	0
Mean	43.22	42.67	41.97	57.69	38.65	37.86	32.50	50.00
Standard Deviation	13.39	12.11	13.02	15.64	9.48	9.17	8.56	10.00
Skewness	0.97	1.14	0.71	0.25	0.45	1.24	0.15	0
Excess Kurtosis	0.76	1.30	0.046	-1.18	-0.55	3.29	-0.87	-0.23
Coef. of Var. %	30.99	28.37	31.01	27.11	24.52	24.23	26.35	20.00
Std. Error of the Mean	0.73	1.04	1.67	2.50	1.56	1.73	2.14	2.77
Lower 95% limit on Mean	41.78	40.61	38.63	52.62	35.49	34.30	27.94	43.96
Upper 95% limit on Mean	44.66	44.73	45.30	62.76	41.81	41.41	37.06	56.04
Geometric Statistics								
Mean	41.34	41.16	40.06	55.62	37.54	36.88	31.41	49.03
Log10 Mean	1.62	1.61	1.60	1.75	1.57	1.57	1.50	1.69
Log10 S.D.	0.13	0.11	0.13	0.12	0.11	0.10	0.12	0.092
Log10 Std. Error of Mean	0.01	0	0.017	0.019	0.018	0.019	0.030	0.025
Lower 95% limit on Mean	40.04	39.36	37.01	50.86	34.59	33.70	27.13	43.15
Upper 95% limit on Mean	42.68	43.05	43.37	60.83	40.74	40.35	36.36	55.70
Percentiles								
Min Value	20.00	30.00	20.00	30.00	20.00	20.00	20.00	30.00
25th %tile	30.00	30.00	30.00	40.00	30.00	30.00	30.00	50.00
50th %tile	40.00	40.00	40.00	50.00	40.00	40.00	30.00	50.00
75th %tile	50.00	50.00	50.00	70.00	40.00	40.00	40.00	50.00
80th %tile	50.00	50.00	50.00	70.00	50.00	40.00	40.00	60.00
90th %tile	60.00	60.00	60.00	80.00	50.00	50.00	40.00	60.00
95th %tile	70.00	70.00	70.00	80.00	60.00	50.00	50.00	70.00
98th %tile	80.00	70.00	70.00	90.00	60.00	70.00	50.00	70.00
99th %tile	80.00	80.00	70.00	90.00	60.00	70.00	50.00	70.00
Max Value	90.00	90.00	70.00	90.00	60.00	70.00	50.00	70.00

* Summary statistics not listed for rock units with less than 10 values.

Statistics per Variable

Variable - Fluorine [F]
Number of Values - 335
Units - ppm
Detection Limit - 20
Analytical Method - ISE

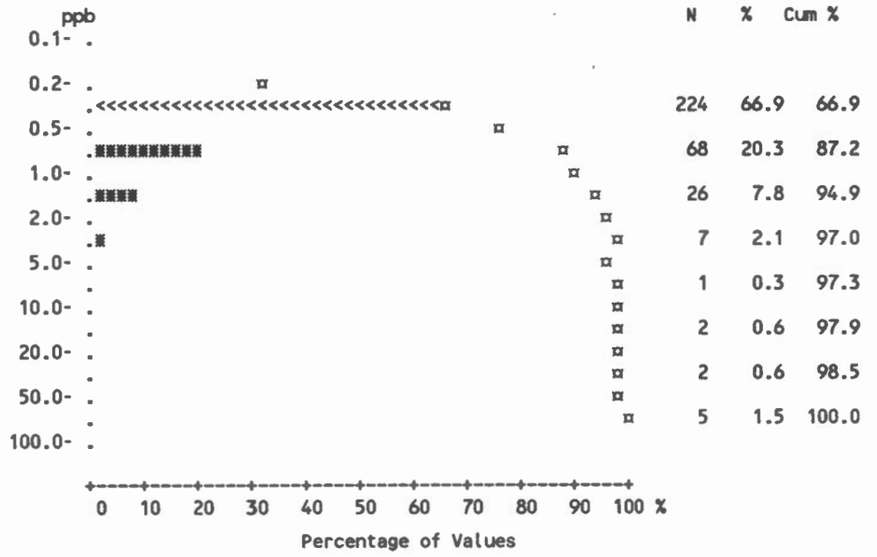


	All Units*	Os2	Os3	Ps2	Ofv1	Omv2	Ofv2	Of2
Number of Values	335	135	61	39	37	28	16	13
Number of Values > D.L.	335	135	61	39	37	28	16	13
Number of Missing Values	0	0	0	0	0	0	0	0
Mean	255.49	275.44	251.21	164.87	265.19	281.46	298.56	233.85
Standard Deviation	95.58	114.82	65.48	38.73	63.64	69.63	93.18	91.42
Skewness	1.05	0.85	0.43	0.85	2.45	0.90	0.50	0.26
Excess Kurtosis	3.02	2.18	1.61	1.80	8.76	0.46	-0.93	-1.55
Coef. of Var. %	37.41	41.68	26.06	23.49	24.00	24.74	31.21	39.09
Std. Error of the Mean	5.22	9.88	8.38	6.20	10.46	13.16	23.30	25.35
Lower 95% limit on Mean	245.22	255.90	234.45	152.31	243.96	254.46	248.92	178.60
Upper 95% limit on Mean	265.77	294.99	267.98	177.43	286.42	308.47	348.21	289.09
Geometric Statistics								
Mean	238.29	251.11	242.25	160.61	259.37	273.83	285.37	217.24
Log10 Mean	2.38	2.40	2.38	2.21	2.41	2.44	2.46	2.34
Log10 S.D.	0.17	0.20	0.12	0.10	0.089	0.10	0.14	0.18
Log10 Std. Error of Mean	0.01	0.017	0.016	0.016	0.015	0.019	0.034	0.049
Lower 95% limit on Mean	228.69	232.57	225.29	148.90	242.30	249.86	241.72	170.12
Upper 95% limit on Mean	248.29	271.13	260.48	173.23	277.64	300.09	336.92	277.42
Percentiles								
Min Value	70.00	70.00	75.00	81.00	173.00	174.00	154.00	116.00
25th %tile	186.00	192.00	195.00	147.00	236.00	237.00	239.00	149.00
50th %tile	248.00	274.00	259.00	159.00	250.00	275.00	274.00	228.00
75th %tile	303.00	343.00	290.00	183.00	292.00	300.00	335.00	295.00
80th %tile	316.00	370.00	293.00	193.00	298.00	311.00	387.00	355.00
90th %tile	372.00	415.00	311.00	206.00	328.00	404.00	460.00	367.00
95th %tile	428.00	445.00	344.00	237.00	355.00	443.00	466.00	369.00
98th %tile	460.00	488.00	382.00	294.00	553.00	459.00	466.00	369.00
99th %tile	488.00	703.00	485.00	294.00	553.00	459.00	466.00	369.00
Max Value	768.00	768.00	485.00	294.00	553.00	459.00	466.00	369.00

* Summary statistics not listed for rock units with less than 10 values.

Statistics per Variable

Variable - Gold [Au]
Number of Values - 335
Units - ppb
Detection Limit - 1-var
Analytical Method - FA-NA

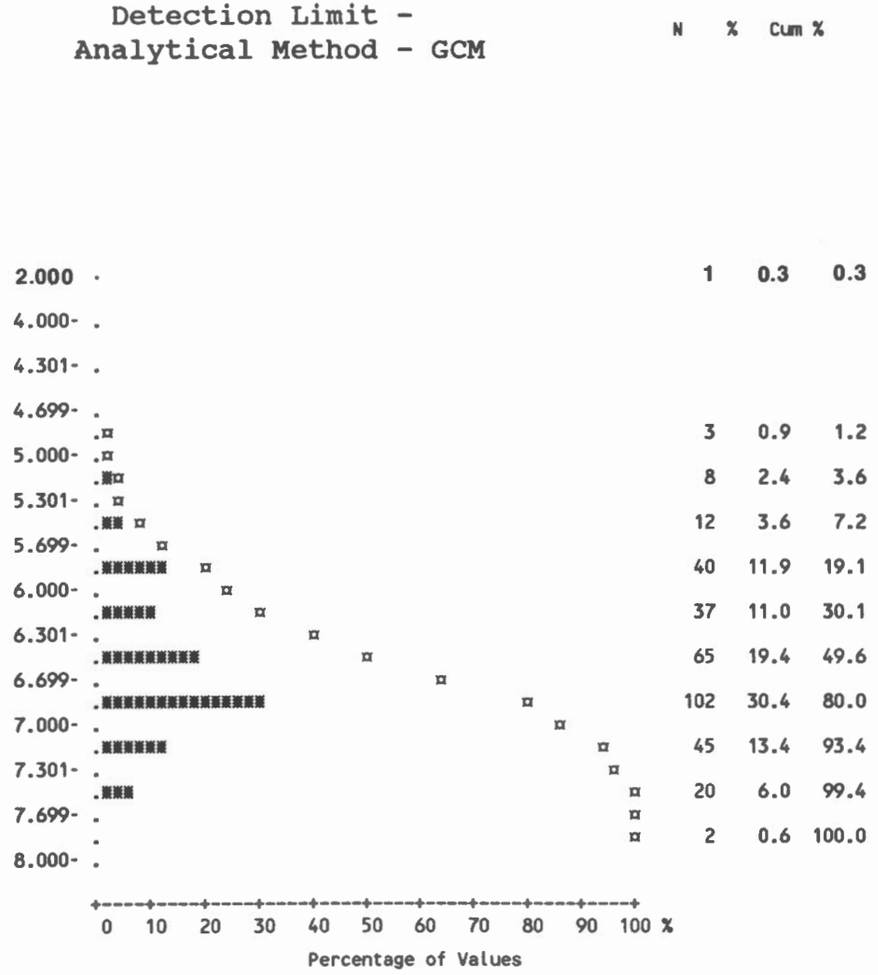


	All Units*	Os2	Os3	Ps2	Ofv1	Omv2	Ofv2	Of2
Number of Values	335	135	61	39	37	28	16	13
Number of Values > D.L.	111	50	26	5	14	6	3	4
Number of Missing Values	0	0	0	0	0	0	0	0
Mean	2.14	0.83	4.66	2.10	0.93	3.82	4.09	0.73
Standard Deviation	9.09	0.57	15.74	9.20	0.98	14.37	13.59	0.44
Skewness	7.41	2.43	4.30	5.75	3.82	4.52	3.27	1.82
Excess Kurtosis	57.14	7.33	18.21	31.97	16.49	19.72	9.31	2.48
Coef. of Var. %	424.83	69.51	337.51	437.48	105.11	376.14	331.96	60.01
Std. Error of the Mean	0.50	0.049	2.02	1.47	0.16	2.72	3.40	0.12
Lower 95% limit on Mean	1.16	0.73	0.63	-0.88	0.61	-1.75	-3.15	0.47
Upper 95% limit on Mean	3.12	0.92	8.69	5.09	1.26	9.40	11.33	1.00
Geometric Statistics								
Mean	0.76	0.71	0.96	0.63	0.74	0.78	0.78	0.65
Log10 Mean	-0.12	-0.15	-0.016	-0.20	-0.13	-0.11	-0.11	-0.19
Log10 S.D.	0.37	0.22	0.52	0.36	0.26	0.50	0.53	0.20
Log10 Std. Error of Mean	0.02	0.019	0.067	0.058	0.042	0.094	0.13	0.054
Lower 95% limit on Mean	0.69	0.65	0.71	0.48	0.60	0.50	0.41	0.50
Upper 95% limit on Mean	0.83	0.77	1.31	0.83	0.90	1.22	1.51	0.86
Percentiles								
Min Value	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
25th %tile	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
50th %tile	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
75th %tile	1.00	1.00	1.00	0.50	1.00	0.50	0.50	1.00
80th %tile	1.00	1.00	1.00	0.50	1.00	1.00	0.50	1.00
90th %tile	2.00	2.00	3.00	1.00	2.00	2.00	3.00	1.00
95th %tile	3.00	2.00	31.00	3.00	2.00	14.00	55.00	2.00
98th %tile	31.00	2.00	77.00	58.00	6.00	76.00	55.00	2.00
99th %tile	58.00	3.00	89.00	58.00	6.00	76.00	55.00	2.00
Max Value	89.00	4.00	89.00	58.00	6.00	76.00	55.00	2.00

* Summary statistics not listed for rock units with less than 10 values.

Statistics per Variable

Variable - Hydrogen Activity [pH]
Number of Values - 335
Units -
Detection Limit -
Analytical Method - GCM



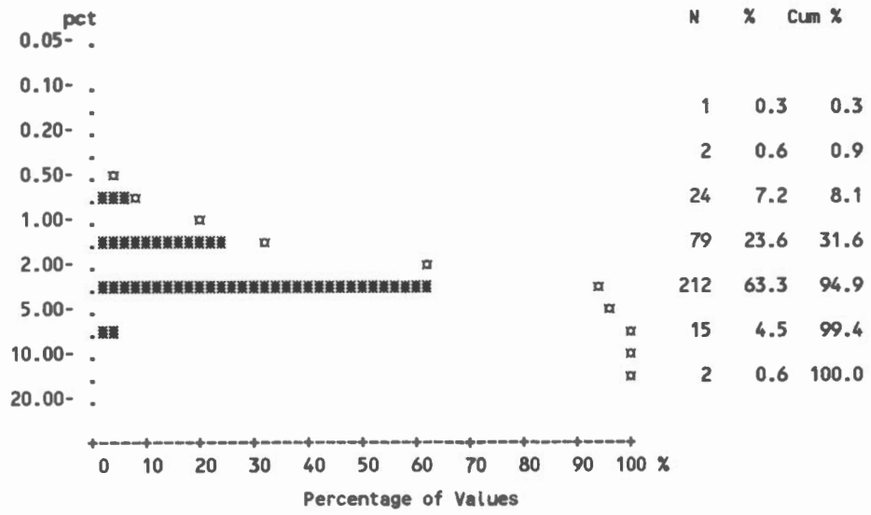
	All Units*	Os2	Os3	Ps2	Ofv1	Omv2	Ofv2	Of2
Number of Values	335	135	61	39	37	28	16	13
Number of Values > D.L.	335	135	61	39	37	28	16	13
Number of Missing Values	0	0	0	0	0	0	0	0
Mean	6.57	6.25	6.91	6.73	6.73	6.99	6.61	6.26
Standard Deviation	0.62	0.60	0.36	0.89	0.36	0.39	0.47	0.30
Skewness	-1.57	-0.026	0.013	-3.90	0.11	-0.89	-1.19	-0.77
Excess Kurtosis	7.80	-0.10	0.012	17.89	-0.71	0.82	0.54	-0.68
Coef. of Var. %	9.49	9.65	5.19	13.20	5.42	5.57	7.18	4.73
Std. Error of the Mean	0.03	0.052	0.046	0.14	0.060	0.074	0.12	0.082
Lower 95% limit on Mean	6.50	6.15	6.82	6.45	6.61	6.83	6.36	6.08
Upper 95% limit on Mean	6.63	6.36	7.00	7.02	6.85	7.14	6.87	6.44
Geometric Statistics								
Mean	6.53	6.22	6.90	6.63	6.72	6.97	6.60	6.25
Log10 Mean	0.82	0.79	0.84	0.82	0.83	0.84	0.82	0.80
Log10 S.D.	0.05	0.042	0.023	0.090	0.024	0.025	0.033	0.021
Log10 Std. Error of Mean	0.00	0	0	0.014	0	0	0	0
Lower 95% limit on Mean	6.45	6.12	6.81	6.20	6.60	6.82	6.34	6.07
Upper 95% limit on Mean	6.61	6.33	6.99	7.09	6.84	7.13	6.87	6.44
Percentiles								
Min Value	2.00	4.70	6.00	2.00	5.90	5.90	5.40	5.70
25th %tile	6.20	5.90	6.70	6.60	6.40	6.70	6.60	6.10
50th %tile	6.70	6.20	6.90	6.90	6.70	7.00	6.60	6.40
75th %tile	7.00	6.70	7.10	7.10	7.00	7.20	6.90	6.40
80th %tile	7.00	6.70	7.20	7.20	7.10	7.30	6.90	6.50
90th %tile	7.20	7.00	7.40	7.30	7.20	7.40	7.10	6.60
95th %tile	7.40	7.20	7.50	7.60	7.40	7.60	7.20	6.60
98th %tile	7.60	7.60	7.60	7.60	7.40	7.60	7.20	6.60
99th %tile	7.60	7.60	7.80	7.60	7.40	7.60	7.20	6.60
Max Value	7.80	7.70	7.80	7.60	7.40	7.60	7.20	6.60

* Summary statistics not listed for rock units with less than 10 values.

Hydrogen Activity - GCM

Statistics per Variable

Variable - Iron [Fe]
Number of Values - 335
Units - pct
Detection Limit - .02
Analytical Method - AAS

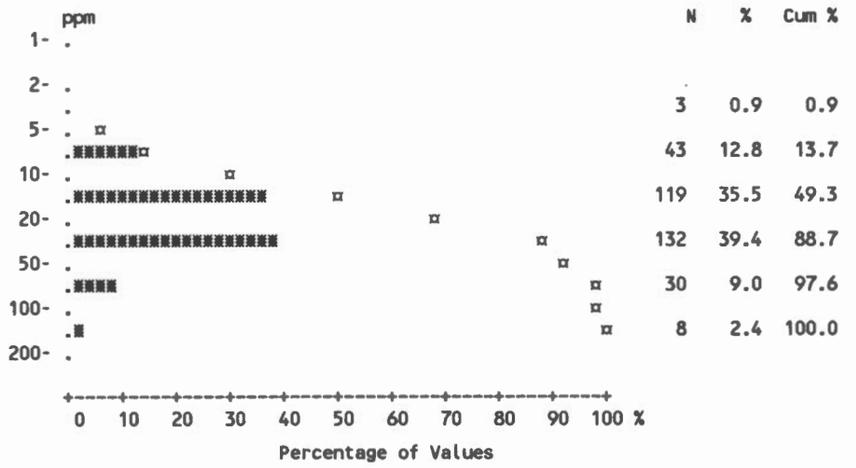


	All Units*	Os2	Os3	Ps2	Ofv1	Omv2	Ofv2	Of2
Number of Values	335	135	61	39	37	28	16	13
Number of Values > D.L.	335	135	61	39	37	28	16	13
Number of Missing Values	0	0	0	0	0	0	0	0
Mean	2.66	2.94	2.62	1.61	2.71	2.92	2.70	2.65
Standard Deviation	1.54	1.92	1.42	0.64	0.84	0.73	0.80	2.19
Skewness	3.37	3.15	3.87	-0.059	1.20	-0.037	-0	1.03
Excess Kurtosis	23.70	19.03	21.21	-0.49	3.03	-1.32	-1.12	0.081
Coef. of Var. %	58.00	65.24	54.14	39.50	31.13	25.10	29.67	82.45
Std. Error of the Mean	0.08	0.16	0.18	0.10	0.14	0.14	0.20	0.61
Lower 95% limit on Mean	2.49	2.61	2.26	1.41	2.43	2.64	2.28	1.33
Upper 95% limit on Mean	2.83	3.26	2.99	1.82	2.99	3.20	3.13	3.98
Geometric Statistics								
Mean	2.31	2.45	2.39	1.45	2.59	2.83	2.58	1.90
Log10 Mean	0.36	0.39	0.38	0.16	0.41	0.45	0.41	0.28
Log10 S.D.	0.24	0.28	0.18	0.24	0.13	0.11	0.14	0.39
Log10 Std. Error of Mean	0.01	0.024	0.023	0.038	0.022	0.022	0.035	0.11
Lower 95% limit on Mean	2.17	2.20	2.15	1.22	2.34	2.55	2.18	1.11
Upper 95% limit on Mean	2.45	2.73	2.66	1.73	2.87	3.13	3.06	3.26
Percentiles								
Min Value	0.16	0.28	0.90	0.16	1.20	1.75	1.32	0.50
25th %tile	1.80	1.78	2.01	1.09	2.29	2.23	2.04	1.06
50th %tile	2.46	2.77	2.30	1.58	2.61	2.93	2.72	2.00
75th %tile	3.24	3.62	2.87	2.07	3.17	3.54	3.19	3.91
80th %tile	3.43	3.82	3.14	2.16	3.23	3.67	3.31	4.35
90th %tile	4.02	4.94	3.75	2.50	3.60	3.95	3.62	5.26
95th %tile	5.02	5.98	3.99	2.86	4.20	4.02	4.19	7.96
98th %tile	6.58	7.51	5.13	2.92	5.82	4.15	4.19	7.96
99th %tile	7.96	8.25	11.39	2.92	5.82	4.15	4.19	7.96
Max Value	16.85	16.85	11.39	2.92	5.82	4.15	4.19	7.96

* Summary statistics not listed for rock units with less than 10 values.

Statistics per Variable

Variable - Lead [Pb]
Number of Values - 335
Units - ppm
Detection Limit - 2
Analytical Method - AAS

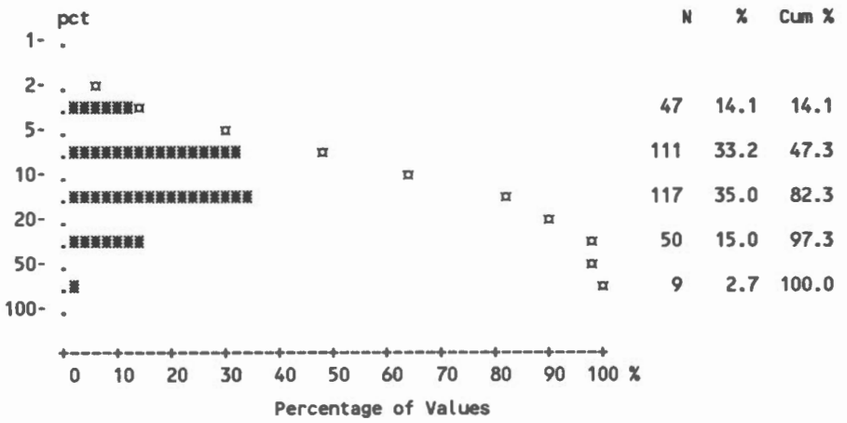


	All Units*	Os2	Os3	Ps2	Ofv1	Omv2	Ofv2	Of2
Number of Values	335	135	61	39	37	28	16	13
Number of Values > D.L.	335	135	61	39	37	28	16	13
Number of Missing Values	0	0	0	0	0	0	0	0
Mean	27.31	28.92	23.67	11.59	40.14	25.89	42.00	27.62
Standard Deviation	21.50	18.97	17.35	8.10	22.68	26.47	39.11	18.71
Skewness	2.33	2.02	1.78	3.91	1.21	2.49	1.91	0.76
Excess Kurtosis	7.21	5.35	2.53	18.32	1.03	5.46	2.54	-0.74
Coef. of Var. %	78.74	65.60	73.29	69.86	56.50	102.24	93.13	67.74
Std. Error of the Mean	1.17	1.63	2.22	1.30	3.73	5.00	9.78	5.19
Lower 95% limit on Mean	25.00	25.69	19.23	8.96	32.57	15.63	21.16	16.31
Upper 95% limit on Mean	29.62	32.15	28.12	14.22	47.70	36.16	62.84	38.92
Geometric Statistics								
Mean	21.66	24.37	19.55	10.17	34.64	19.44	32.46	22.33
Log10 Mean	1.34	1.39	1.29	1.01	1.54	1.29	1.51	1.35
Log10 S.D.	0.29	0.25	0.25	0.21	0.24	0.30	0.29	0.30
Log10 Std. Error of Mean	0.02	0.022	0.032	0.033	0.040	0.057	0.073	0.083
Lower 95% limit on Mean	20.17	22.09	16.84	8.72	28.73	14.86	22.69	14.75
Upper 95% limit on Mean	23.26	26.88	22.69	11.87	41.77	25.42	46.43	33.80
Percentiles								
Min Value	4.00	7.00	8.00	4.00	10.00	8.00	12.00	8.00
25th %tile	13.00	16.00	13.00	8.00	30.00	11.00	23.00	15.00
50th %tile	21.00	25.00	18.00	10.00	35.00	21.00	28.00	22.00
75th %tile	34.00	37.00	25.00	14.00	47.00	27.00	33.00	39.00
80th %tile	38.00	38.00	33.00	14.00	51.00	30.00	36.00	40.00
90th %tile	52.00	50.00	55.00	18.00	81.00	52.00	112.00	54.00
95th %tile	69.00	65.00	56.00	20.00	93.00	113.00	158.00	68.00
98th %tile	105.00	104.00	69.00	55.00	107.00	113.00	158.00	68.00
99th %tile	113.00	105.00	88.00	55.00	107.00	113.00	158.00	68.00
Max Value	158.00	115.00	88.00	55.00	107.00	113.00	158.00	68.00

* Summary statistics not listed for rock units with less than 10 values.

Statistics per Variable

Variable - Loss-On-Ignition [LOI]
Number of Values - 334
Units - pct
Detection Limit - 1
Analytical Method - GRAV

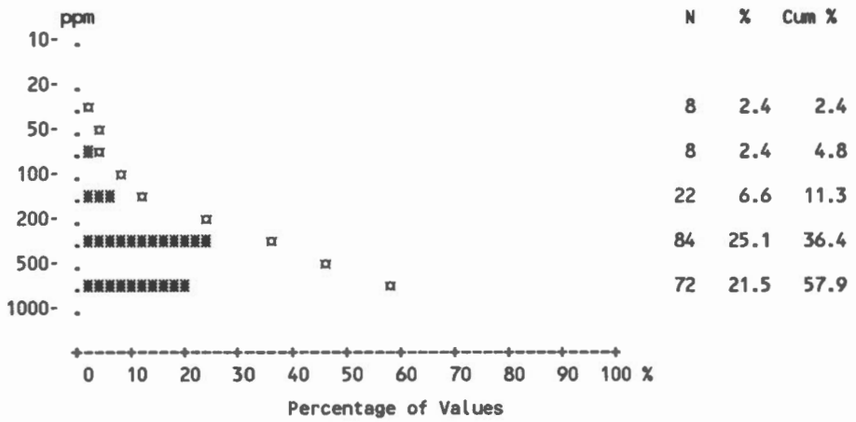


	All Units*	Os2	Os3	Ps2	Ofv1	Omv2	Ofv2	Of2
Number of Values	335	135	61	39	37	28	16	13
Number of Values > D.L.	334	135	60	39	37	28	16	13
Number of Missing Values	0	0	0	0	0	0	0	0
Mean	13.98	16.97	10.79	5.50	15.43	10.66	12.35	30.82
Standard Deviation	11.16	12.68	6.90	2.20	7.57	6.56	3.97	19.28
Skewness	2.15	1.86	1.17	0.49	1.07	1.16	0.14	0.23
Excess Kurtosis	5.11	2.85	0.61	-0.96	1.16	0.98	-0.80	-1.39
Coef. of Var. %	79.88	74.72	63.93	40.05	49.06	61.55	32.16	62.55
Std. Error of the Mean	0.61	1.09	0.88	0.35	1.24	1.24	0.99	5.35
Lower 95% limit on Mean	12.78	14.81	9.03	4.78	12.90	8.11	10.23	19.17
Upper 95% limit on Mean	15.18	19.13	12.56	6.21	17.95	13.20	14.47	42.47
Geometric Statistics								
Mean	10.91	13.79	8.78	5.08	13.74	8.97	11.70	24.06
Log10 Mean	1.04	1.14	0.94	0.71	1.14	0.95	1.07	1.38
Log10 S.D.	0.30	0.27	0.27	0.18	0.22	0.26	0.15	0.35
Log10 Std. Error of Mean	0.02	0.023	0.034	0.028	0.036	0.050	0.039	0.098
Lower 95% limit on Mean	10.14	12.41	7.49	4.46	11.62	7.09	9.68	14.75
Upper 95% limit on Mean	11.74	15.32	10.28	5.79	16.24	11.34	14.13	39.24
Percentiles								
Min Value	2.20	3.30	2.80	2.40	4.00	2.20	4.80	5.40
25th %tile	7.10	9.10	5.40	3.60	9.60	5.40	9.70	12.50
50th %tile	10.30	12.40	8.60	5.00	14.30	8.70	10.80	28.40
75th %tile	16.90	19.60	14.20	7.10	18.00	12.60	14.90	45.60
80th %tile	19.60	22.00	15.90	7.80	20.00	16.50	15.00	52.70
90th %tile	25.50	33.40	21.80	9.10	27.80	20.40	18.30	55.60
95th %tile	42.40	50.00	23.70	9.90	34.40	20.60	19.90	64.10
98th %tile	52.80	56.20	30.20	10.20	38.20	30.70	19.90	64.10
99th %tile	56.20	56.50	31.40	10.20	38.20	30.70	19.90	64.10
Max Value	64.10	62.60	31.40	10.20	38.20	30.70	19.90	64.10

* Summary statistics not listed for rock units with less than 10 values.

Statistics per Variable

Variable - Manganese [Mn]
Number of Values - 335
Units - ppm
Detection Limit - 5
Analytical Method - AAS

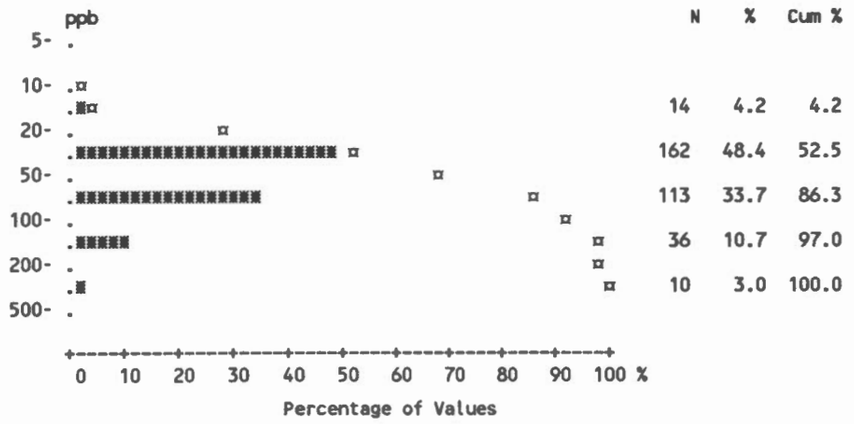


	All Units*	Os2	Os3	Ps2	Ofv1	Omv2	Ofv2	Of2
Number of Values	335	135	61	39	37	28	16	13
Number of Values > D.L.	335	135	61	39	37	28	16	13
Number of Missing Values	0	0	0	0	0	0	0	0
Mean	2101.11	2434.87	1968.52	1853.08	1318.76	1930.43	2300.81	3085.08
Standard Deviation	3246.95	3799.36	2580.39	2745.71	1473.80	2526.37	3856.43	5451.09
Skewness	2.66	2.26	1.87	2.09	1.91	1.99	1.92	2.23
Excess Kurtosis	7.75	4.80	2.59	3.40	2.49	3.05	2.39	4.18
Coef. of Var. %	154.54	156.04	131.08	148.17	111.76	130.87	167.61	176.69
Std. Error of the Mean	177.40	327.00	330.39	439.67	242.29	477.44	964.11	1511.86
Lower 95% limit on Mean	1752.11	1788.10	1307.75	962.67	827.05	950.73	246.30	-209.26
Upper 95% limit on Mean	2450.11	3081.65	2629.29	2743.49	1810.46	2910.13	4355.33	6379.42
Geometric Statistics								
Mean	870.02	825.98	991.72	817.49	861.97	1044.40	974.49	803.60
Log10 Mean	2.94	2.92	3.00	2.91	2.94	3.02	2.99	2.91
Log10 S.D.	0.58	0.69	0.50	0.55	0.38	0.47	0.52	0.82
Log10 Std. Error of Mean	0.03	0.059	0.064	0.088	0.063	0.089	0.13	0.23
Lower 95% limit on Mean	752.87	631.48	738.47	541.96	643.40	686.28	515.96	257.61
Upper 95% limit on Mean	1005.41	1080.39	1331.81	1233.10	1154.81	1589.41	1840.52	2506.83
Percentiles								
Min Value	21.00	21.00	125.00	107.00	238.00	204.00	226.00	44.00
25th %tile	365.00	319.00	416.00	290.00	486.00	419.00	487.00	227.00
50th %tile	754.00	842.00	881.00	608.00	682.00	730.00	715.00	866.00
75th %tile	2068.00	2618.00	2530.00	2002.00	1320.00	2002.00	1070.00	4400.00
80th %tile	2832.00	3256.00	2794.00	2794.00	1488.00	2832.00	1249.00	4740.00
90th %tile	6084.00	7968.00	5984.00	6760.00	3648.00	6084.00	9240.00	5688.00
95th %tile	10080.00	11799.00	7344.00	10582.00	5520.00	9130.00	13640.00	>20000.00
98th %tile	13200.00	14300.00	10080.00	10582.00	5544.00	9790.00	13640.00	>20000.00
99th %tile	14300.00	14490.00	10320.00	10582.00	5544.00	9790.00	13640.00	>20000.00
Max Value	>20000.00	>20000.00	10320.00	10582.00	5544.00	9790.00	13640.00	>20000.00

* Summary statistics not listed for rock units with less than 10 values.

Statistics per Variable

Variable - Mercury [Hg]
Number of Values - 335
Units - ppb
Detection Limit - 10
Analytical Method - AAS

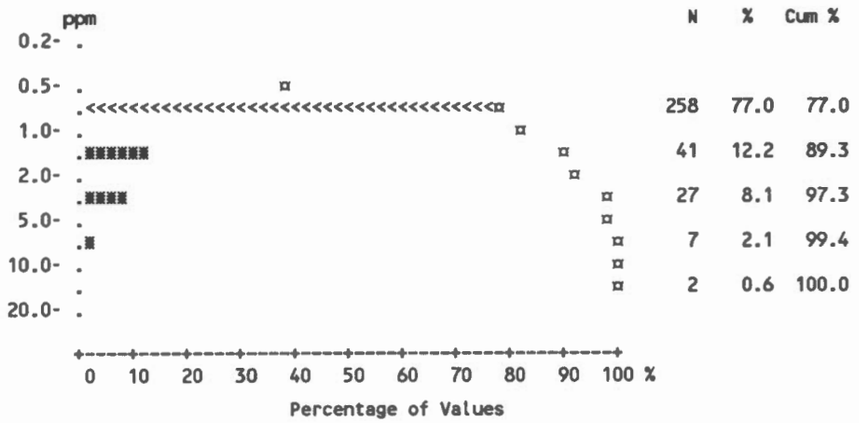


	All Units*	Os2	Os3	Ps2	Ofv1	Omv2	Ofv2	Of2
Number of Values	335	135	61	39	37	28	16	13
Number of Values > D.L.	335	135	61	39	37	28	16	13
Number of Missing Values	0	0	0	0	0	0	0	0
Mean	62.88	75.87	55.34	32.10	61.86	48.86	64.56	94.46
Standard Deviation	45.02	53.55	43.31	13.19	31.75	24.21	30.07	41.36
Skewness	2.36	1.96	3.30	0.24	1.40	1.13	0.49	0.32
Excess Kurtosis	6.91	3.86	12.91	-1.54	1.79	0.41	-1.01	-0.79
Coef. of Var. %	71.59	70.58	78.25	41.09	51.32	49.55	46.57	43.79
Std. Error of the Mean	2.46	4.61	5.54	2.11	5.22	4.57	7.52	11.47
Lower 95% limit on Mean	58.04	66.76	44.25	27.82	51.27	39.47	48.54	69.46
Upper 95% limit on Mean	67.72	84.99	66.43	36.38	72.46	58.25	80.58	119.46
Geometric Statistics								
Mean	52.23	63.00	46.66	29.40	55.37	44.04	58.11	85.18
Log10 Mean	1.72	1.80	1.67	1.47	1.74	1.64	1.76	1.93
Log10 S.D.	0.25	0.26	0.23	0.19	0.20	0.20	0.21	0.22
Log10 Std. Error of Mean	0.01	0.022	0.030	0.030	0.034	0.037	0.052	0.061
Lower 95% limit on Mean	49.04	57.00	40.67	25.55	47.33	36.93	44.96	62.82
Upper 95% limit on Mean	55.63	69.63	53.54	33.83	64.78	52.52	75.10	115.51
Percentiles								
Min Value	14.00	16.00	16.00	14.00	20.00	21.00	27.00	26.00
25th %tile	35.00	40.00	35.00	22.00	40.00	31.00	36.00	68.00
50th %tile	50.00	59.00	43.00	29.00	59.00	43.00	56.00	89.00
75th %tile	76.00	90.00	59.00	47.00	68.00	59.00	78.00	114.00
80th %tile	86.00	104.00	67.00	49.00	78.00	62.00	96.00	135.00
90th %tile	112.00	135.00	91.00	50.00	106.00	90.00	105.00	141.00
95th %tile	152.00	228.00	112.00	52.00	154.00	105.00	127.00	178.00
98th %tile	229.00	261.00	219.00	53.00	158.00	112.00	127.00	178.00
99th %tile	261.00	266.00	282.00	53.00	158.00	112.00	127.00	178.00
Max Value	284.00	284.00	282.00	53.00	158.00	112.00	127.00	178.00

* Summary statistics not listed for rock units with less than 10 values.

Statistics per Variable

Variable - Molybdenum [Mo]
Number of Values - 335
Units - ppm
Detection Limit - 2
Analytical Method - AAS

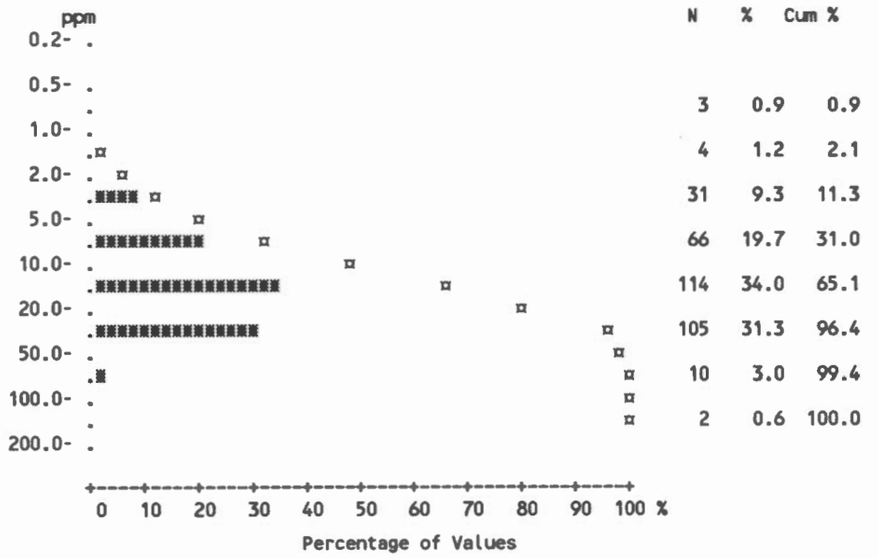


	All Units*	Os2	Os3	Ps2	Ofv1	Omv2	Ofv2	Of2
Number of Values	335	135	61	39	37	28	16	13
Number of Values > D.L.	77	30	11	1	14	8	5	8
Number of Missing Values	0	0	0	0	0	0	0	0
Mean	1.56	1.44	1.64	1.03	1.76	1.61	1.88	3.15
Standard Deviation	1.62	1.05	2.01	0.16	1.34	1.10	1.86	4.88
Skewness	5.74	2.79	3.66	5.77	2.18	1.59	2.28	2.60
Excess Kurtosis	46.16	7.61	12.66	32.15	4.75	1.46	4.54	5.57
Coef. of Var. %	103.97	72.59	122.52	15.61	76.38	68.45	99.06	154.71
Std. Error of the Mean	0.09	0.090	0.26	0.026	0.22	0.21	0.46	1.35
Lower 95% limit on Mean	1.38	1.27	1.12	0.97	1.31	1.18	0.89	0.21
Upper 95% limit on Mean	1.73	1.62	2.15	1.08	2.20	2.03	2.86	6.10
Geometric Statistics								
Mean	1.28	1.25	1.26	1.02	1.46	1.37	1.45	1.95
Log10 Mean	0.11	0.098	0.099	0	0.17	0.14	0.16	0.29
Log10 S.D.	0.22	0.20	0.25	0.048	0.24	0.23	0.28	0.36
Log10 Std. Error of Mean	0.01	0.017	0.032	0	0.040	0.043	0.070	0.10
Lower 95% limit on Mean	1.21	1.16	1.09	0.98	1.22	1.11	1.03	1.18
Upper 95% limit on Mean	1.35	1.36	1.45	1.06	1.76	1.68	2.04	3.23
Percentiles								
Min Value	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
25th %tile	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
50th %tile	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00
75th %tile	1.00	1.00	1.00	1.00	2.00	2.00	2.00	2.00
80th %tile	2.00	2.00	1.00	1.00	2.00	3.00	2.00	2.00
90th %tile	3.00	2.00	2.00	1.00	4.00	3.00	4.00	5.00
95th %tile	4.00	4.00	4.00	1.00	5.00	4.00	8.00	19.00
98th %tile	6.00	6.00	10.00	2.00	7.00	5.00	8.00	19.00
99th %tile	9.00	6.00	11.00	2.00	7.00	5.00	8.00	19.00
Max Value	19.00	6.00	11.00	2.00	7.00	5.00	8.00	19.00

* Summary statistics not listed for rock units with less than 10 values.

Statistics per Variable

Variable - Nickel [Ni]
Number of Values - 335
Units - ppm
Detection Limit - 2
Analytical Method - AAS

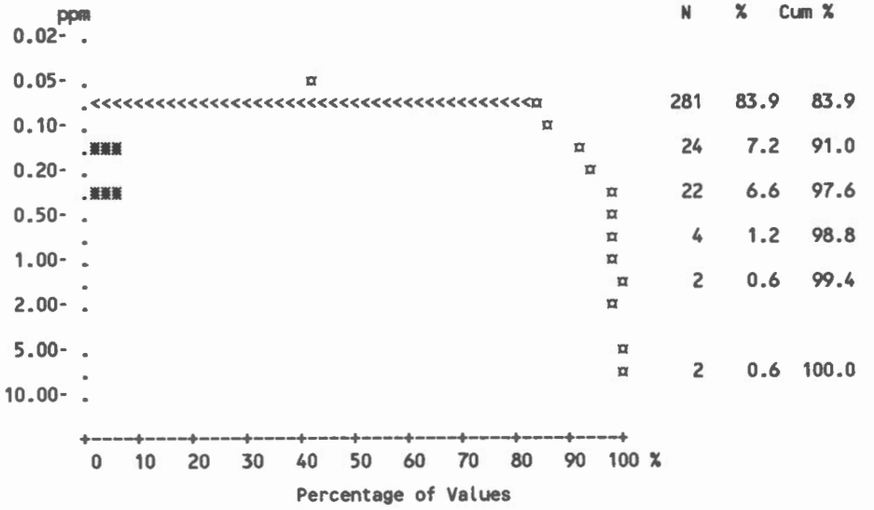


	All Units*	Os2	Os3	Ps2	Ofv1	Omv2	Ofv2	Of2
Number of Values	335	135	61	39	37	28	16	13
Number of Values > D.L.	332	133	61	38	37	28	16	13
Number of Missing Values	0	0	0	0	0	0	0	0
Mean	19.26	19.93	21.69	12.05	15.08	31.11	18.06	10.46
Standard Deviation	15.96	20.91	9.60	7.12	9.38	14.31	10.57	5.68
Skewness	2.56	2.48	0.82	2.05	1.08	0.43	0.21	0.38
Excess Kurtosis	9.80	6.91	0.45	6.76	1.42	-0.74	-0.82	-0.99
Coef. of Var. %	82.87	104.88	44.25	59.10	62.17	46.02	58.50	54.30
Std. Error of the Mean	0.87	1.80	1.23	1.14	1.54	2.71	2.64	1.58
Lower 95% limit on Mean	17.55	16.37	19.23	9.74	11.95	25.56	12.43	7.03
Upper 95% limit on Mean	20.98	23.49	24.15	14.36	18.21	36.66	23.69	13.89
Geometric Statistics								
Mean	14.40	13.07	19.72	10.24	12.29	27.71	14.09	8.91
Log10 Mean	1.16	1.12	1.29	1.01	1.09	1.44	1.15	0.95
Log10 S.D.	0.35	0.41	0.19	0.27	0.30	0.22	0.37	0.27
Log10 Std. Error of Mean	0.02	0.035	0.025	0.044	0.049	0.042	0.092	0.075
Lower 95% limit on Mean	13.21	11.13	17.60	8.35	9.76	22.68	8.99	6.10
Upper 95% limit on Mean	15.70	15.35	22.10	12.55	15.46	33.86	22.09	13.01
Percentiles								
Min Value	1.00	1.00	8.00	1.00	3.00	7.00	2.00	3.00
25th %tile	9.00	8.00	14.00	7.00	8.00	19.00	9.00	6.00
50th %tile	15.00	13.00	19.00	11.00	15.00	27.00	20.00	11.00
75th %tile	25.00	27.00	28.00	15.00	19.00	40.00	23.00	15.00
80th %tile	28.00	29.00	28.00	16.00	21.00	45.00	25.00	16.00
90th %tile	37.00	39.00	36.00	20.00	28.00	52.00	32.00	16.00
95th %tile	47.00	62.00	37.00	23.00	38.00	60.00	40.00	22.00
98th %tile	62.00	100.00	40.00	43.00	45.00	61.00	40.00	22.00
99th %tile	97.00	107.00	54.00	43.00	45.00	61.00	40.00	22.00
Max Value	113.00	113.00	54.00	43.00	45.00	61.00	40.00	22.00

* Summary statistics not listed for rock units with less than 10 values.

Statistics per Variable

Variable - Silver [Ag]
Number of Values - 335
Units - ppm
Detection Limit - 0.2
Analytical Method - AAS

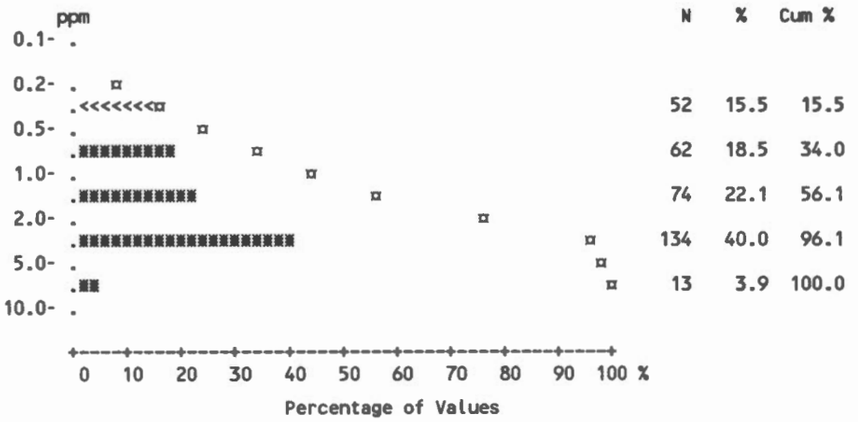


	All Units*	Os2	Os3	Ps2	Ofv1	Omv2	Ofv2	Of2
Number of Values	335	135	61	39	37	28	16	13
Number of Values > D.L.	54	40	0	0	8	1	3	2
Number of Missing Values	0	0	0	0	0	0	0	0
Mean	0.17	0.26	-	-	0.15	0.10	0.14	0.12
Standard Deviation	0.45	0.70	-	-	0.13	0.019	0.10	0.038
Skewness	11.49	7.30	-	-	3.36	4.74	2.76	1.70
Excess Kurtosis	138.83	54.52	-	-	12.25	21.21	6.82	0.99
Coef. of Var. %	262.61	271.90	-	-	88.95	18.25	74.52	32.55
Std. Error of the Mean	0.02	0.060	-	-	0.022	0	0.026	0.010
Lower 95% limit on Mean	0.12	0.14	-	-	0.11	0.096	0.083	0.093
Upper 95% limit on Mean	0.22	0.37	-	-	0.20	0.11	0.19	0.14
Geometric Statistics								
Mean	0.12	0.15	-	-	0.13	0.10	0.12	0.11
Log10 Mean	-0.92	-0.83	-	-	-0.90	-0.99	-0.92	-0.95
Log10 S.D.	0.23	0.32	-	-	0.22	0.057	0.19	0.11
Log10 Std. Error of Mean	0.01	0.027	-	-	0.036	0.011	0.048	0.031
Lower 95% limit on Mean	0.11	0.13	-	-	0.11	0.097	0.095	0.095
Upper 95% limit on Mean	0.13	0.17	-	-	0.15	0.11	0.15	0.13
Percentiles								
Min Value	0.10	0.10	-	-	0.10	0.10	0.10	0.10
25th %tile	0.10	0.10	-	-	0.10	0.10	0.10	0.10
50th %tile	0.10	0.10	-	-	0.10	0.10	0.10	0.10
75th %tile	0.10	0.20	-	-	0.10	0.10	0.10	0.10
80th %tile	0.10	0.20	-	-	0.20	0.10	0.10	0.10
90th %tile	0.20	0.40	-	-	0.30	0.10	0.20	0.20
95th %tile	0.40	0.60	-	-	0.40	0.10	0.50	0.20
98th %tile	0.60	1.20	-	-	0.80	0.20	0.50	0.20
99th %tile	1.10	5.60	-	-	0.80	0.20	0.50	0.20
Max Value	5.90	5.90	-	-	0.80	0.20	0.50	0.20

* Summary statistics not listed for rock units with less than 10 values.

Statistics per Variable

Variable - Tin [Sn]
Number of Values - 335
Units - ppm
Detection Limit - 1
Analytical Method - AAS

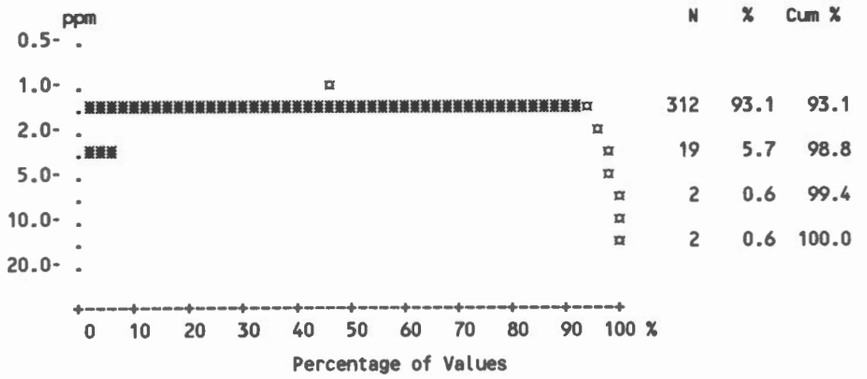


	All Units*	Os2	Os3	Ps2	Ofv1	Omv2	Ofv2	Of2
Number of Values	335	135	61	39	37	28	16	13
Number of Values > D.L.	283	115	53	21	34	27	16	12
Number of Missing Values	0	0	0	0	0	0	0	0
Mean	2.39	2.41	2.48	1.15	2.77	3.02	2.94	1.81
Standard Deviation	1.58	1.64	1.60	0.98	1.33	1.32	1.29	0.95
Skewness	0.95	0.95	0.84	2.00	0.37	0.14	0.28	0.72
Excess Kurtosis	1.01	0.63	0.35	4.18	0.15	-0.39	-1.04	-0.16
Coef. of Var. %	66.11	67.85	64.55	85.03	48.05	43.83	43.89	52.41
Std. Error of the Mean	0.09	0.14	0.20	0.16	0.22	0.25	0.32	0.26
Lower 95% limit on Mean	2.22	2.14	2.07	0.84	2.33	2.50	2.25	1.24
Upper 95% limit on Mean	2.55	2.69	2.88	1.47	3.21	3.53	3.62	2.38
Geometric Statistics								
Mean	1.85	1.86	1.95	0.90	2.38	2.66	2.65	1.58
Log10 Mean	0.27	0.27	0.29	-0.046	0.38	0.43	0.42	0.20
Log10 S.D.	0.33	0.33	0.32	0.29	0.27	0.25	0.22	0.24
Log10 Std. Error of Mean	0.02	0.029	0.042	0.046	0.045	0.047	0.054	0.067
Lower 95% limit on Mean	1.71	1.64	1.61	0.73	1.93	2.14	2.03	1.13
Upper 95% limit on Mean	2.01	2.12	2.36	1.12	2.93	3.32	3.45	2.22
Percentiles								
Min Value	0.50	0.50	0.50	0.50	0.50	0.50	1.00	0.50
25th %tile	1.00	1.00	1.00	0.50	2.00	2.00	2.00	1.00
50th %tile	2.00	2.00	2.00	1.00	3.00	3.00	3.00	2.00
75th %tile	3.00	3.00	3.00	1.00	3.00	4.00	3.00	2.00
80th %tile	3.00	4.00	4.00	2.00	4.00	4.00	4.00	2.00
90th %tile	5.00	5.00	4.00	3.00	4.00	5.00	5.00	3.00
95th %tile	5.00	5.00	5.00	3.00	6.00	5.00	5.00	4.00
98th %tile	7.00	7.00	7.00	5.00	6.00	6.00	5.00	4.00
99th %tile	7.00	7.00	7.00	5.00	6.00	6.00	5.00	4.00
Max Value	9.00	8.00	7.00	5.00	6.00	6.00	5.00	4.00

* Summary statistics not listed for rock units with less than 10 values.

Statistics per Variable

Variable - Tungsten [W]
Number of Values - 335
Units - ppm
Detection Limit - 2
Analytical Method - COL

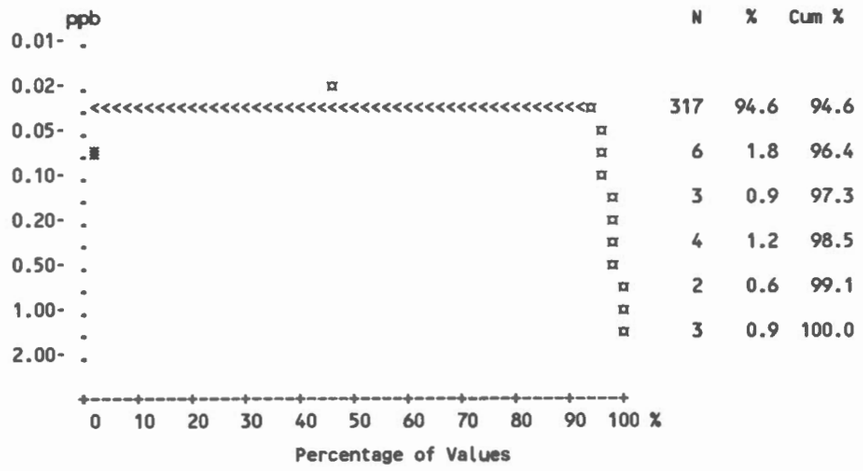


	All Units*	Os2	Os3	Ps2	Ofv1	Omv2	Ofv2	Of2
Number of Values	335	135	61	39	37	28	16	13
Number of Values > D.L.	335	135	61	39	37	28	16	13
Number of Missing Values	0	0	0	0	0	0	0	0
Mean	2.20	2.13	2.30	2.00	2.27	2.00	2.25	3.23
Standard Deviation	0.97	0.50	1.41	0	0.69	0	0.68	3.11
Skewness	7.32	3.44	5.74	0	2.05	0	2.06	1.94
Excess Kurtosis	64.33	9.88	35.03	0	2.26	0	2.40	2.29
Coef. of Var. %	44.03	23.47	61.28	0	30.53	0	30.36	96.36
Std. Error of the Mean	0.05	0.043	0.18	0	0.11	0	0.17	0.86
Lower 95% limit on Mean	2.10	2.05	1.93	2.00	2.04	2.00	1.89	1.35
Upper 95% limit on Mean	2.31	2.22	2.66	2.00	2.50	2.00	2.61	5.11
Geometric Statistics								
Mean	2.12	2.09	2.15	2.00	2.20	2.00	2.18	2.55
Log10 Mean	0.33	0.32	0.33	0.30	0.34	0.30	0.34	0.41
Log10 S.D.	0.10	0.075	0.13	0	0.10	0	0.10	0.26
Log10 Std. Error of Mean	0.01	0	0.016	0	0.017	0	0.026	0.073
Lower 95% limit on Mean	2.07	2.03	1.99	2.00	2.03	2.00	1.92	1.77
Upper 95% limit on Mean	2.17	2.16	2.31	2.00	2.38	2.00	2.47	3.68
Percentiles								
Min Value	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
25th %tile	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
50th %tile	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
75th %tile	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
80th %tile	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
90th %tile	2.00	2.00	2.00	2.00	4.00	2.00	4.00	8.00
95th %tile	4.00	4.00	4.00	2.00	4.00	2.00	4.00	12.00
98th %tile	4.00	4.00	6.00	2.00	4.00	2.00	4.00	12.00
99th %tile	6.00	4.00	12.00	2.00	4.00	2.00	4.00	12.00
Max Value	12.00	4.00	12.00	2.00	4.00	2.00	4.00	12.00

* Summary statistics not listed for rock units with less than 10 values.

Statistics per Variable

Variable - Uranium in Water [U-W]
Number of Values - 335
Units - ppb
Detection Limit - 0.05
Analytical Method - LIF

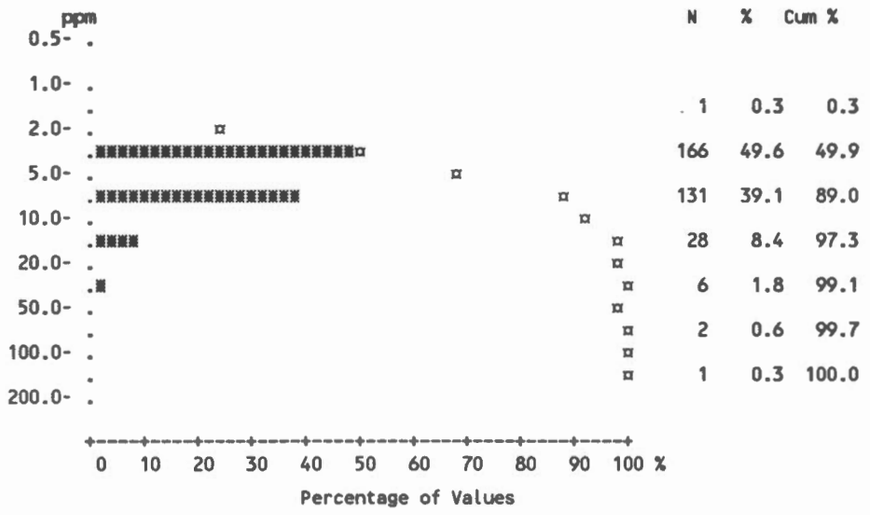


	All Units*	Os2	Os3	Ps2	Ofv1	Omv2	Ofv2	Of2
Number of Values	335	135	61	39	37	28	16	13
Number of Values > D.L.	18	6	5	3	1	3	0	0
Number of Missing Values	0	0	0	0	0	0	0	0
Mean	0.05	0.042	0.063	0.030	0.033	0.10	-	-
Standard Deviation	0.14	0.14	0.17	0.021	0.047	0.28	-	-
Skewness	8.19	10.65	5.00	4.20	5.60	3.23	-	-
Excess Kurtosis	71.95	116.55	25.94	18.18	30.16	8.98	-	-
Coef. of Var. %	301.79	329.45	273.12	68.24	143.27	269.69	-	-
Std. Error of the Mean	0.01	0.012	0.022	0	0	0.052	-	-
Lower 95% limit on Mean	0.03	0.018	0.019	0.024	0.017	-0	-	-
Upper 95% limit on Mean	0.06	0.065	0.11	0.037	0.048	0.21	-	-
Geometric Statistics								
Mean	0.03	0.028	0.031	0.028	0.027	0.034	-	-
Log10 Mean	-1.55	-1.56	-1.51	-1.56	-1.57	-1.46	-	-
Log10 S.D.	0.25	0.22	0.33	0.15	0.18	0.44	-	-
Log10 Std. Error of Mean	0.01	0.019	0.042	0.025	0.030	0.082	-	-
Lower 95% limit on Mean	0.03	0.025	0.025	0.025	0.023	0.023	-	-
Upper 95% limit on Mean	0.03	0.030	0.037	0.031	0.031	0.051	-	-
Percentiles								
Min Value	0.03	0.025	0.025	0.025	0.025	0.025	-	-
25th %tile	0.03	0.025	0.025	0.025	0.025	0.025	-	-
50th %tile	0.03	0.025	0.025	0.025	0.025	0.025	-	-
75th %tile	0.03	0.025	0.025	0.025	0.025	0.025	-	-
80th %tile	0.03	0.025	0.025	0.025	0.025	0.025	-	-
90th %tile	0.03	0.025	0.025	0.025	0.025	0.10	-	-
95th %tile	0.07	0.025	0.090	0.070	0.025	0.94	-	-
98th %tile	0.31	0.21	0.65	0.14	0.31	1.20	-	-
99th %tile	0.94	0.25	1.15	0.14	0.31	1.20	-	-
Max Value	1.60	1.60	1.15	0.14	0.31	1.20	-	-

* Summary statistics not listed for rock units with less than 10 values.

Statistics per Variable

Variable - Uranium [U]
Number of Values - 335
Units - ppm
Detection Limit - 0.5
Analytical Method - NADNC

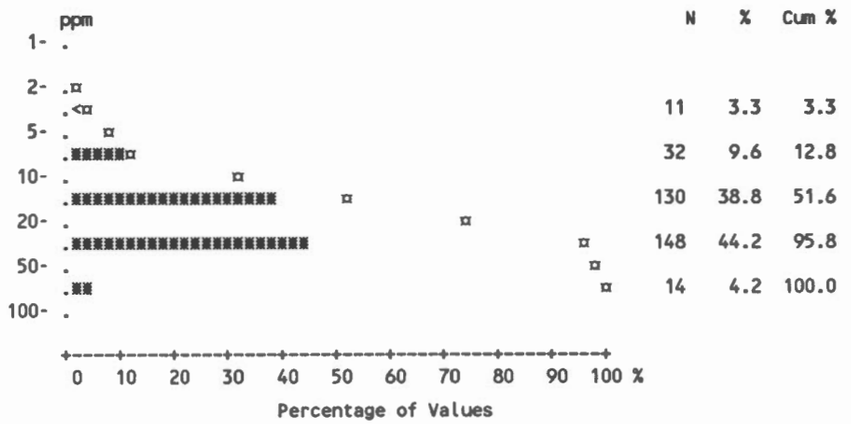


	All Units*	Os2	Os3	Ps2	Ofv1	Omv2	Ofv2	Of2
Number of Values	335	135	61	39	37	28	16	13
Number of Values > D.L.	335	135	61	39	37	28	16	13
Number of Missing Values	0	0	0	0	0	0	0	0
Mean	6.59	6.76	7.11	3.58	8.91	5.63	5.85	8.92
Standard Deviation	7.47	5.36	13.12	0.76	9.52	2.66	2.08	4.26
Skewness	8.43	5.25	6.65	0.71	3.48	0.98	0.82	0.76
Excess Kurtosis	93.47	36.67	45.80	-0.025	13.34	-0.57	0.26	-1.16
Coef. of Var. %	113.37	79.22	184.44	21.31	106.90	47.38	35.50	47.80
Std. Error of the Mean	0.41	0.46	1.68	0.12	1.57	0.50	0.52	1.18
Lower 95% limit on Mean	5.79	5.85	3.75	3.33	5.73	4.59	4.74	6.35
Upper 95% limit on Mean	7.40	7.68	10.48	3.83	12.09	6.66	6.96	11.50
Geometric Statistics								
Mean	5.46	5.86	5.19	3.50	6.92	5.12	5.53	8.12
Log10 Mean	0.74	0.77	0.71	0.54	0.84	0.71	0.74	0.91
Log10 S.D.	0.22	0.21	0.24	0.090	0.27	0.18	0.15	0.19
Log10 Std. Error of Mean	0.01	0.018	0.031	0.014	0.044	0.035	0.038	0.053
Lower 95% limit on Mean	5.16	5.40	4.49	3.28	5.64	4.35	4.59	6.22
Upper 95% limit on Mean	5.76	6.35	5.99	3.75	8.49	6.04	6.66	10.60
Percentiles								
Min Value	2.00	2.00	3.10	2.40	3.20	3.00	2.60	4.90
25th %tile	3.80	4.30	3.80	3.00	5.20	3.70	4.10	5.70
50th %tile	5.10	5.60	4.40	3.40	5.80	4.20	5.70	7.50
75th %tile	6.70	7.30	5.70	4.20	7.30	6.60	6.60	10.70
80th %tile	7.30	8.10	6.00	4.30	10.50	8.70	7.00	15.50
90th %tile	10.40	10.30	9.40	4.50	18.60	10.40	9.10	15.50
95th %tile	13.00	12.40	14.30	5.50	27.00	11.30	11.00	16.50
98th %tile	26.10	26.10	26.80	5.50	55.70	11.30	11.00	16.50
99th %tile	27.20	27.20	104.00	5.50	55.70	11.30	11.00	16.50
Max Value	104.00	51.60	104.00	5.50	55.70	11.30	11.00	16.50

* Summary statistics not listed for rock units with less than 10 values.

Statistics per Variable

Variable - Vanadium [V]
Number of Values - 335
Units - ppm
Detection Limit - 5
Analytical Method - AAS

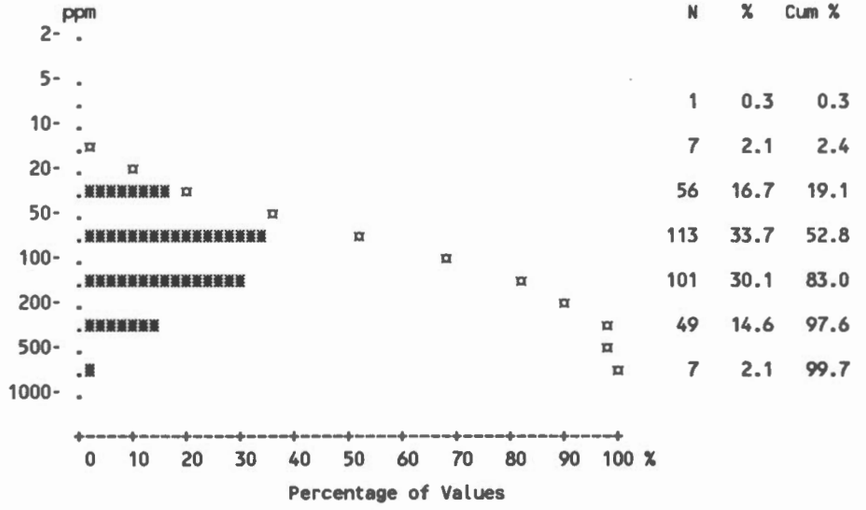


	All Units*	Os2	Os3	Ps2	Ofv1	Omv2	Ofv2	Of2
Number of Values	335	135	61	39	37	28	16	13
Number of Values > D.L.	328	129	61	38	37	28	16	13
Number of Missing Values	0	0	0	0	0	0	0	0
Mean	23.04	18.99	26.39	15.71	28.65	37.61	26.19	21.69
Standard Deviation	13.29	11.06	13.16	6.11	13.76	16.26	7.05	16.39
Skewness	1.44	1.23	2.44	0.56	1.00	0.31	-0.28	1.18
Excess Kurtosis	3.27	1.85	9.91	0.78	0.51	-0.56	-0.98	0.046
Coef. of Var. %	57.69	58.26	49.85	38.88	48.02	43.24	26.94	75.55
Std. Error of the Mean	0.73	0.95	1.68	0.98	2.26	3.07	1.76	4.55
Lower 95% limit on Mean	21.61	17.11	23.02	13.72	24.06	31.30	22.43	11.79
Upper 95% limit on Mean	24.47	20.88	29.76	17.69	33.24	43.91	29.95	31.60
Geometric Statistics								
Mean	19.51	15.86	23.92	14.39	25.77	33.88	25.18	17.21
Log10 Mean	1.29	1.20	1.38	1.16	1.41	1.53	1.40	1.24
Log10 S.D.	0.27	0.28	0.19	0.20	0.20	0.21	0.13	0.31
Log10 Std. Error of Mean	0.01	0.024	0.025	0.032	0.033	0.040	0.033	0.085
Lower 95% limit on Mean	18.27	14.20	21.34	12.39	22.06	27.99	21.44	11.25
Upper 95% limit on Mean	20.84	17.71	26.81	16.72	30.11	40.99	29.57	26.34
Percentiles								
Min Value	2.50	2.50	6.00	2.50	10.00	11.00	13.00	5.00
25th %tile	15.00	11.00	20.00	12.00	17.00	24.00	21.00	13.00
50th %tile	20.00	17.00	23.00	15.00	28.00	39.00	27.00	16.00
75th %tile	29.00	24.00	31.00	19.00	34.00	47.00	30.00	27.00
80th %tile	31.00	24.00	33.00	20.00	35.00	50.00	32.00	27.00
90th %tile	42.00	34.00	42.00	24.00	48.00	58.00	34.00	53.00
95th %tile	48.00	44.00	45.00	28.00	62.00	65.00	38.00	58.00
98th %tile	58.00	52.00	49.00	34.00	67.00	77.00	38.00	58.00
99th %tile	65.00	58.00	95.00	34.00	67.00	77.00	38.00	58.00
Max Value	95.00	58.00	95.00	34.00	67.00	77.00	38.00	58.00

* Summary statistics not listed for rock units with less than 10 values.

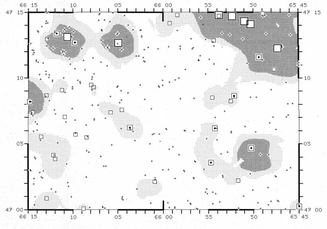
Statistics per Variable

Variable - Zinc [Zn]
Number of Values - 335
Units - ppm
Detection Limit - 2
Analytical Method - AAS

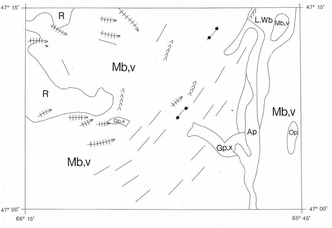


	All Units*	Os2	Os3	Ps2	Ofv1	Omv2	Ofv2	Of2
Number of Values	335	135	61	39	37	28	16	13
Number of Values > D.L.	335	135	61	39	37	28	16	13
Number of Missing Values	0	0	0	0	0	0	0	0
Mean	136.23	119.33	139.36	69.33	183.95	233.82	184.06	106.54
Standard Deviation	153.56	105.10	164.64	95.64	126.54	321.93	155.65	55.42
Skewness	5.12	1.94	3.63	5.25	2.48	3.85	1.89	0.72
Excess Kurtosis	41.54	4.00	13.32	28.17	8.97	15.55	3.70	-0.55
Coef. of Var. %	112.72	88.07	118.14	137.94	68.79	137.68	84.57	52.02
Std. Error of the Mean	8.39	9.05	21.08	15.31	20.80	60.84	38.91	15.37
Lower 95% limit on Mean	119.73	101.44	97.20	38.32	141.73	108.98	101.14	73.05
Upper 95% limit on Mean	152.74	137.23	181.52	100.35	226.16	358.66	266.99	140.03
Geometric Statistics								
Mean	96.63	86.58	102.82	51.96	153.21	157.29	135.72	94.25
Log10 Mean	1.99	1.94	2.01	1.72	2.19	2.20	2.13	1.97
Log10 S.D.	0.35	0.35	0.30	0.28	0.27	0.35	0.38	0.22
Log10 Std. Error of Mean	0.02	0.030	0.038	0.046	0.044	0.066	0.094	0.062
Lower 95% limit on Mean	88.66	75.41	86.23	42.01	124.80	115.15	85.58	68.93
Upper 95% limit on Mean	105.31	99.41	122.61	64.28	188.09	214.86	215.23	128.87
Percentiles								
Min Value	10.00	10.00	30.00	11.00	40.00	49.00	17.00	39.00
25th %tile	57.00	52.00	66.00	32.00	101.00	75.00	84.00	64.00
50th %tile	92.00	82.00	105.00	56.00	167.00	138.00	140.00	82.00
75th %tile	162.00	146.00	140.00	76.00	254.00	266.00	226.00	144.00
80th %tile	178.00	166.00	147.00	82.00	261.00	313.00	226.00	145.00
90th %tile	266.00	266.00	203.00	90.00	280.00	416.00	317.00	163.00
95th %tile	366.00	348.00	236.00	92.00	366.00	424.00	681.00	232.00
98th %tile	634.00	476.00	756.00	634.00	760.00	1770.00	681.00	232.00
99th %tile	756.00	485.00	967.00	634.00	760.00	1770.00	681.00	232.00
Max Value	1770.00	580.00	967.00	634.00	760.00	1770.00	681.00	232.00

* Summary statistics not listed for rock units with less than 10 values.



REGIONAL TREND MAP



KILOMETERS - SCALE 1:250,000

KILOMETERS - SCALE 1:250,000

GOLD
STREAM SEDIMENTS

PPB	NTILE
89.0	MAX
18.0	98
2.0	95
1.0	80
0.5	MIN

335 SAMPLES

PPB	NTILE
89.0	MAX
2.0	95
1.0	80
0.5	MIN

335 SAMPLES

GSC OPEN FILE 1954
CANADA - NEW BRUNSWICK
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

SURFICIAL GEOLOGY

Ap	Alluvial Sediments: sand,gravel,some silt, minor clay and organic sediment
Op	Organic Sediments: peat, muck, minor silt and fine sand
L.Wb	Lacustrine and Marine Sediments: sand silt, minor clay and gravel, patchy thin veneer of organic sediment
Gp,x	Glaciofluvial Sediments: sand, gravel, minor silt and till
Mm	Morainal Sediments: loamy ablation till, some lodgment till, minor silt, sand, gravel and boulders
Mb,v	Morainal Sediments: loamy lodgment till, minor ablation till, silt, sand, gravel and rubble
R	Bedrock: various lithologies and ages

SYMBOLS

Fluted bedrock and drumlinoid ridges .....
Esker .....
Meltwater channel .....
Moraine ridge .....

Source of information:

Rampton, V.N. 1984, Surficial geology, New Brunswick; Geological Survey of Canada, Map 1594A, Scale 1:500,000

GEOLOGICAL SURVEY OF CANADA
MINERAL RESOURCES DIVISION
EXPLORATION GEOCHEMISTRY SUBDIVISION

CONTRACTORS

Collection:	K.D.A. Whaley and Associates, Kingsclear, New Brunswick
Preparation:	Golder Associates, Ottawa
Sediment Analysis:	Bondar-Clegg and Company Ltd., Ottawa Chemex Labs Limited, Vancouver (Au only)
Water Analysis:	Chemex Labs Limited, Vancouver
Cartography:	GSC – Geological Information Division Terra Surveys Ltd., Ottawa
Reproduction:	Ashley Reproductions Ltd., Ottawa

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Ottawa, Ontario K1A 0E8
Tel.: (613) 995 – 4342

Contribution to Canada – New Brunswick Mineral Development Agreement 1984 – 1989, a subsidiary agreement under the Economic and Regional Development Agreement. Project funded by the Geological Survey of Canada.

CONCENTRATION		FREQUENCY
19 to 89	⊡	N= 7(2.1%)
3 to 18	⊡	N= 10(3.0%)
2	▣	N= 26(7.8%)
0 to 1	+	N= 292(87.2%)

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Contribution à l'Entente auxiliaire Canada/Nouveau-Brunswick sur l'exploitation minérale 1984-89 faisant partie de l'Entente de développement économique et régional. Ce projet a été financé par la Commission géologique du Canada.

Natural Resources and Energy, New Brunswick
Ressources naturelles et Énergie, Nouveau-Brunswick

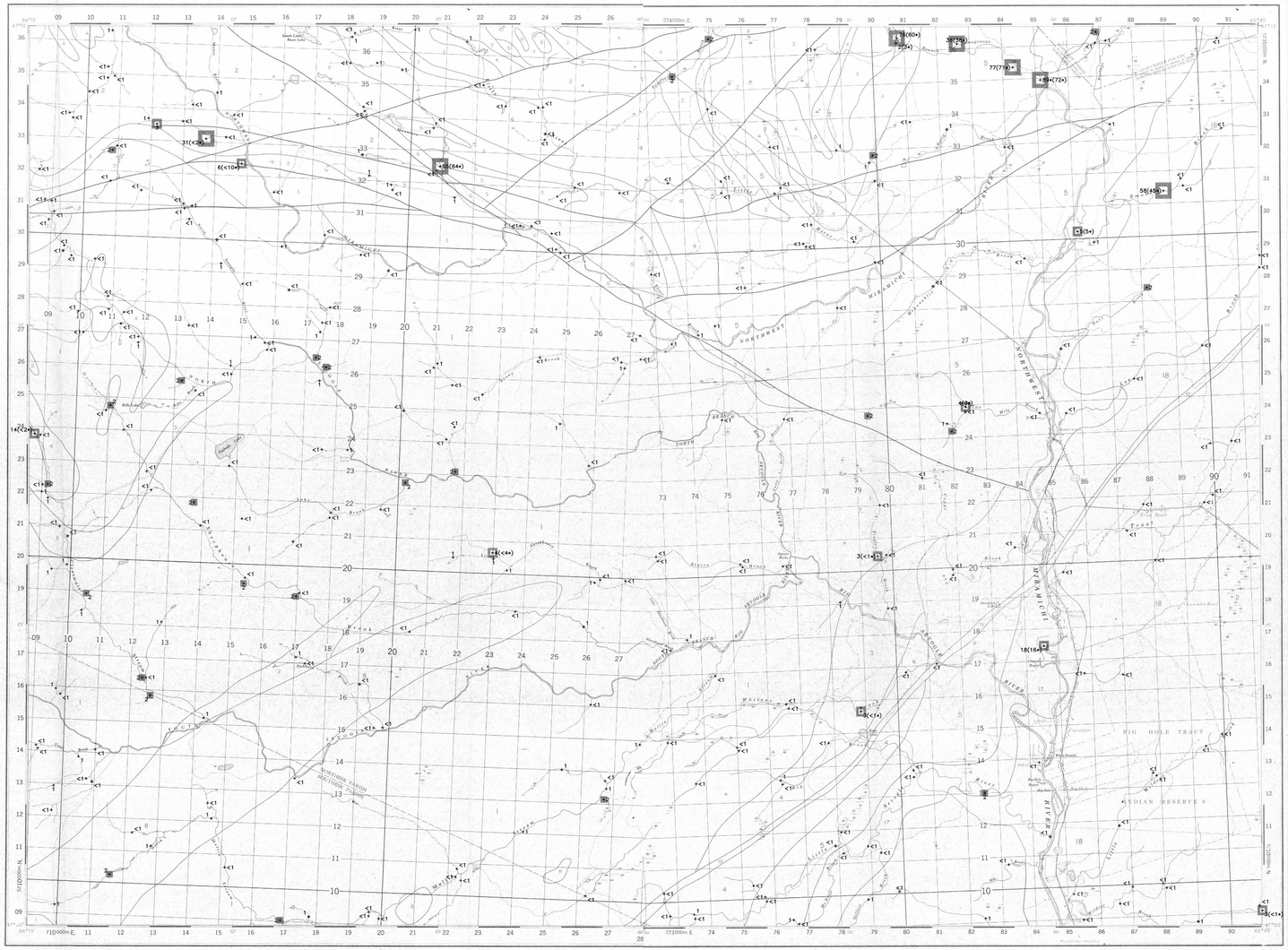
Energy, Mines and Resources Canada
Énergie, Mines et Ressources Canada

Canada

GEOLOGICAL SURVEY OF CANADA
COMMISSION GÉOLOGIQUE DU CANADA

Energy, Mines and Resources Canada
Énergie, Mines et Ressources Canada

NTS 21O/1 (E.); 21P/4 (W.)



INDEX MAP

GOLD (ppb)
STREAM SEDIMENTS
GSC OPEN FILE 1954
REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 117-88
CANADA – NEW BRUNSWICK
MINERAL DEVELOPMENT AGREEMENT (1985 – 1989)

STREAM SEDIMENT AND WATER GEOCHEMICAL SURVEY
NORTH-CENTRAL NEW BRUNSWICK, 1988

Scale 1:50 000 - Échelle 1/50 000

Kilometres 0 1 2 3 4 Kilometres

Universal Transverse Mercator Projection
Projection transverse universelle de Mercator

NATIONAL TOPOGRAPHIC SYSTEM REFERENCE AND INDEX TO REGIONAL GEOLOGICAL SURVEY OF CANADA MAPS

GOLD (ppb)
STREAM SEDIMENTS
GSC OPEN FILE 1954
NORTH-CENTRAL NEW BRUNSWICK, 1988

[1]GEOLOGY LEGEND

JURASSIC				
19*	Jm	47**	olivine diabase	
PENNSYLVANIAN				
18	Ps2	33	CLIFTON FORMATION: grey and red sandstone, conglomerate, siltstone, and shale, minor coal	
17	Ps1	33	BATHURST FORMATION: red and grey sandstone, siltstone, shale, and conglomerate, minor coal	
MISSISSIPPIAN				
16	Ms	31	Red and brown sandstone, shale and conglomerate	
DEVONIAN				
15	Dfv	26	Maroon and orange flow-banded and massive rhyolite, rhyolite agglomerate, tuff, and breccia, dacite(?)	
14	Dmv	26	Amygdaloidal basalt, basaltic tuff and breccia, palagonite tuff, andesite, minor shale, mudstone and siltstone	
13	Ds1	26	Calcareous mudstone, siltstone, sandstone, maroon and green sandstone, siltstone, conglomerate, limestone, includes minor felsic and mafic volcanic rock	
12	Df	25	Granite, adamellite, granodiorite, quartz monzonite, quartz feldspar porphyry and related rocks	
11	Dm	25	Gabbro and diabase	
SILURIAN				
10	Ss2	20	CHALEUR GROUP: calcareous siltstone, sandstone and shale, minor limestone, red slate, conglomerate (includes Perham Formation)	
ORDOVICIAN AND/OR SILURIAN				
9	OSs	19	Argillaceous limestone, calcareous shale	
ORDOVICIAN				
8	Of2	15	Gneissic and cataclastic granite	
7	Of1	15	Rhyolite and quartz feldspar metaporphyry (includes rocks of Ofv1 and Ofv2)	
6	Om1	15	Metagabbro and metadiabase	
ORDOVICIAN AND OLDER(?)				
5	Os3	15	Dark grey phyllite, graphitic slate, red and green manganiferous slate and chert, feldspathic lithic and quartzose greywacke and iron formation, minor limestone and conglomerate	
4	Omv2	15	Metabasalt, pillow metabasalt, basaltic metatuff, minor metatrachyte (may include rocks of Os2, Ofv1, and Ofv2)	
3	Ofv2	15	Quartz and quartz feldspar metaporphyry, quartz sericite schist, quartz chlorite sericite schist, crystal metatuff (includes rocks of Os2 and Omv1)	
2	Ofv1	15	Rhyolite metatuff, metaphyllite, rhyolite metaporphyry, quartz sericite, quartz chlorite sericite schist (includes rocks of Ofv2, Omv, Os1 and Of1)	
1	Os2	15	Grey phyllite, metaquartzite, metagreywacke, minor limestone, graphitic schist, hornfels (may include rocks of Os3, Ofv, and Omv)	

[1] This geology legend is common for GSC OPEN FILES 1953,1954,and 1955

* Map unit number for rock type

** A mnemonic code assigned to rock type and age recorded as part of field observations

SYMBOLS

Geological boundary .....
Fault .....
No data ..... +*
Single analysis, 10g sample weight ..... +27
Single analysis, < 10g sample weight ..... +27*
Repeat analysis, both samples 10g ..... +27(14)
Repeat analysis, first sample 10g, repeat < 10g ..... +27(14*)
Single analysis, 10g sample, less than detection limit of 1 ppb ..... +<1
Field duplicate site ..... *

Geology base derived from:

New Brunswick Department of Natural Resources (1979) Geological Map of Northern New Brunswick, Map NR-3, Scale 1: 500,000

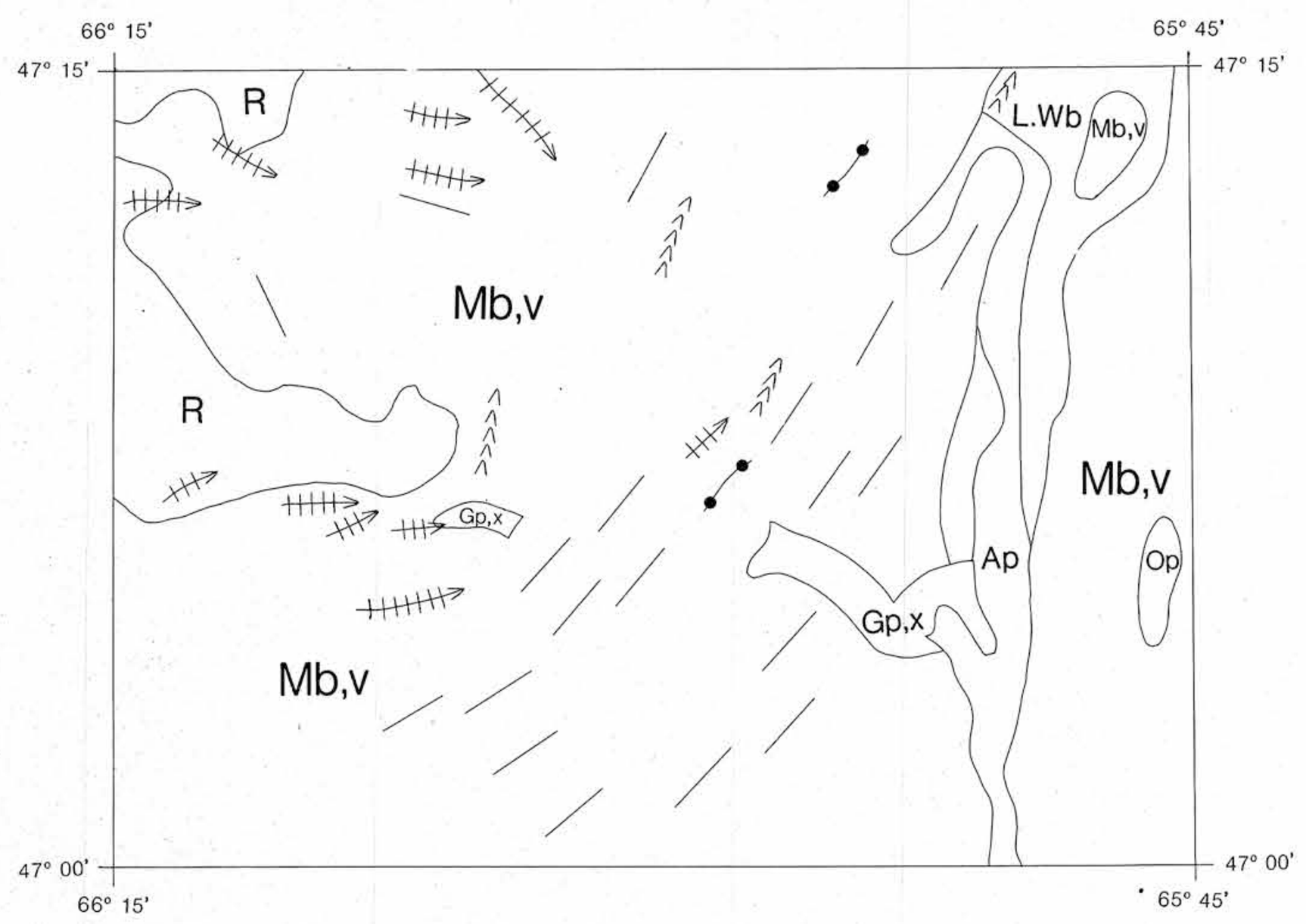
Elevation in feet above mean sea level

Magnetic declination for 1989 ranges from 21°05'W, decreasing 2.8' annually, in the southwest corner of the map area, to 21°29'W, decreasing 3.2' annually, in the northeast corner of the map area.

GOLD (ppb)
STREAM SEDIMENTS
GSC OPEN FILE 1954
NORTH-CENTRAL NEW BRUNSWICK, 1988

SAMPLE LOCATION
STREAM SEDIMENTS
GSC OPEN FILE 1954
NORTH-CENTRAL NEW BRUNSWICK, 1988

NTS 21O/1 (E½); 21P/4 (W½)



0 5 10 15
KILOMETERS - SCALE 1:250,000

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R	Bedrock: various lithologies and ages

SYMBOLS

Fluted bedrock and drumlinoid ridges ....

Esker ....

Meltwater channel ....

Moraine ridge ....

Source of information:

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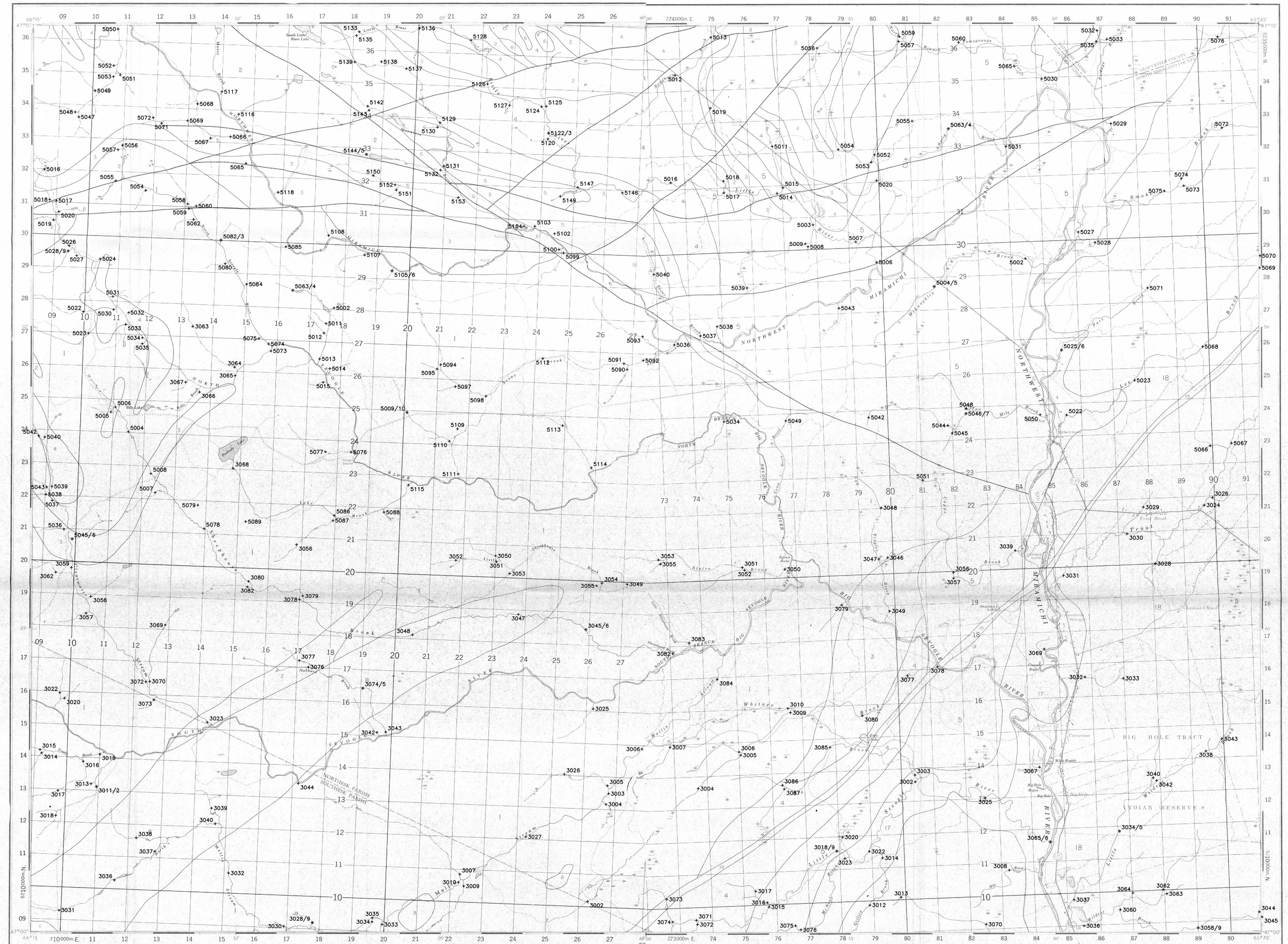

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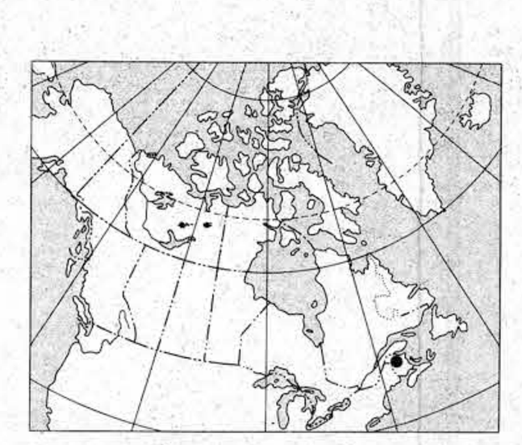
Natural Resources and Energy New Brunswick Ressources naturelles et Énergie Nouveau-Brunswick

Energy, Mines and Resources Canada Énergie, Mines et Ressources Canada

Canada



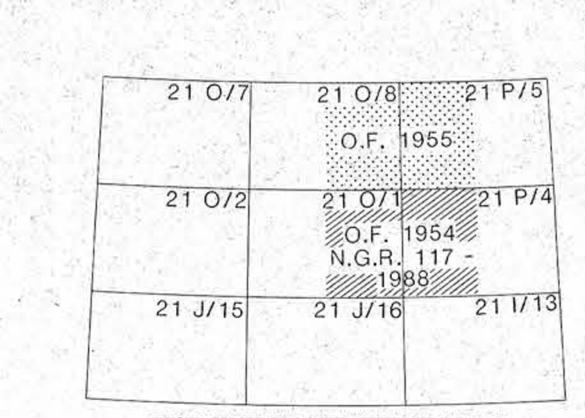
INDEX MAP

SAMPLE LOCATION
STREAM SEDIMENTS
GSC OPEN FILE 1954
REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 117-88
CANADA – NEW BRUNSWICK
MINERAL DEVELOPMENT AGREEMENT (1985 – 1989)

STREAM SEDIMENT AND WATER GEOCHEMICAL SURVEY
NORTH-CENTRAL NEW BRUNSWICK, 1988

Scale 1:50 000 - Échelle 1/50 000
Kilometres 1 0 1 2 3 4 Kilomètres

Universal Transverse Mercator Projection Projection transverse universelle de Mercator



NATIONAL TOPOGRAPHIC SYSTEM REFERENCE AND INDEX TO ADJOINING GEOLOGICAL SURVEY OF CANADA MAPS

GEOLOGY LEGEND [1]

JURASSIC

19*	Jm	47**	olivine diabase

PENNSYLVANIAN

18	Ps2	33	CLIFTON FORMATION: grey and red sandstone, conglomerate, siltstone, and shale, minor coal
17	Ps1	33	BATHURST FORMATION: red and grey sandstone, siltstone, shale, and conglomerate, minor coal

MISSISSIPPIAN

16	Ms	31	Red and brown sandstone, shale and conglomerate

DEVONIAN

15	Dfv	26	Maroon and orange flow-banded and massive rhyolite, rhyolite agglomerate, tuff, and breccia, dacite(?)
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12	Df	25	Granite, adamellite, granodiorite, quartz monzonite, quartz feldspar porphyry and related rocks
11	Dm	25	Gabbro and diabase

SILURIAN

10	Ss2	20	CHALEUR GROUP: calcareous siltstone, sandstone and shale, minor limestone, red slate, conglomerate (includes Perham Formation)

ORDOVICIAN AND/OR SILURIAN

9	OSs	19	Argillaceous limestone, calcareous shale

ORDOVICIAN

8	Of2	15	Gneissic and cataclastic granite
7	Of1	15	Rhyolite and quartz feldspar metaporphyry (includes rocks of Ofv1 and Ofv2)
6	Om1	15	Metagabbro and metadiabase

ORDOVICIAN AND OLDER(?)

5	Os3	15	Dark grey phyllite, graphitic slate, red and green manganiferous slate and chert, feldspathic lithic and quartzose greywacke and iron formation, minor limestone and conglomerate
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3	Ofv2	15	Quartz and quartz feldspar metaporphyry, quartz sericite schist, quartz chlorite sericite schist, crystal metatuff (includes rocks of Os2 and Omv1)
2	Ofv1	15	Rhyolite metatuff, metaphyllite, rhyolite metaporphyry, quartz sericite, quartz chlorite sericite schist (includes rocks of Ofv2, Omv, Os1 and Of1)
1	Os2	15	Grey phyllite, metaquartzite, metagreywacke, minor limestone, graphitic schist, hornfels (may include rocks of Os3, Ofv, and Omv)

[1] This geology legend is common for GSC OPEN FILES 1953,1954,and 1955

* Map unit number for rock type

** A mnemonic code assigned to rock type and age recorded as part of field observations

SYMBOLS

Geological boundary ....

Fault ....

No data .... +*

Field duplicate site ....

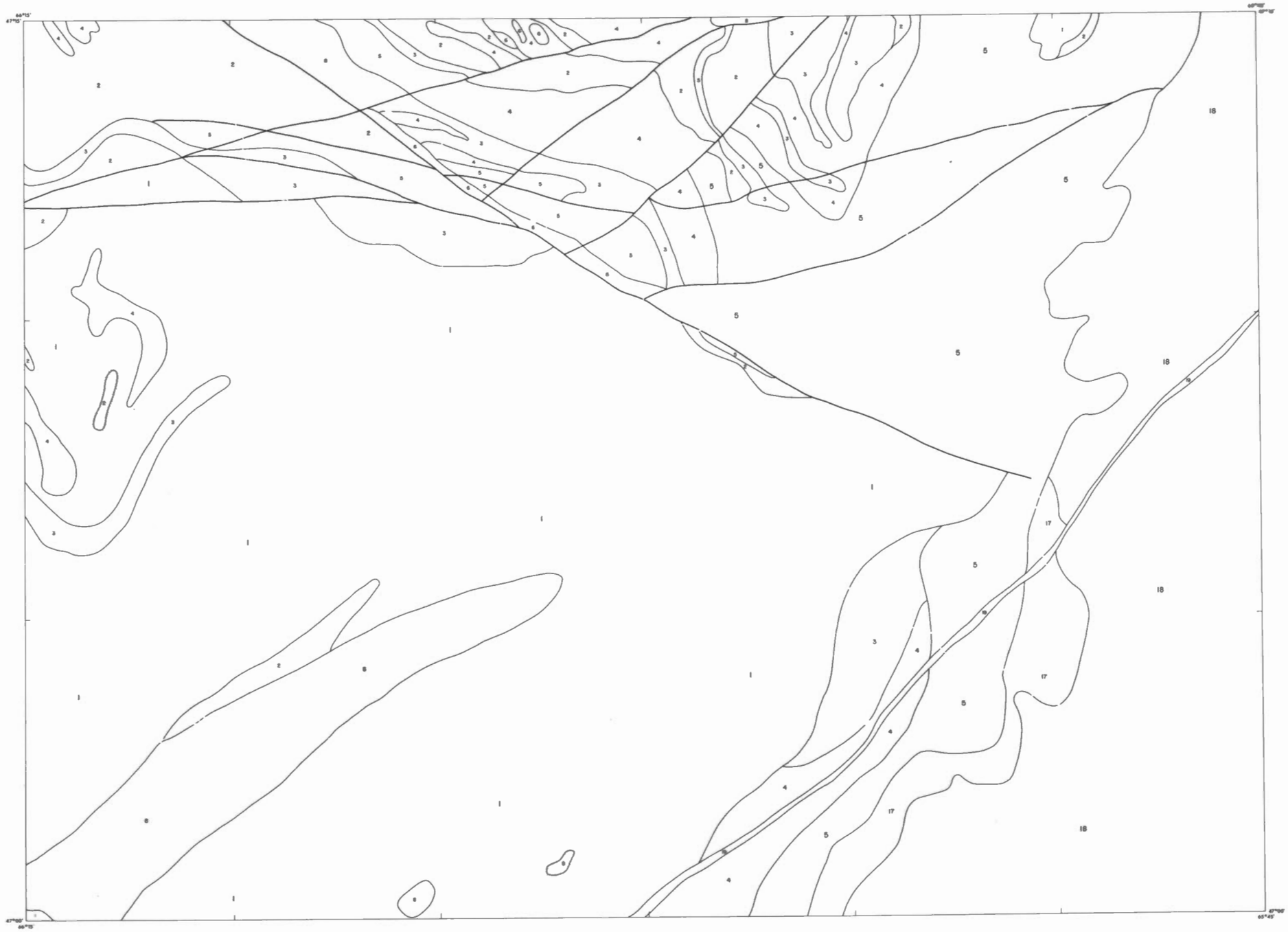
Geology base derived from:

New Brunswick Department of Natural Resources (1979) Geological Map of Northern New Brunswick, Map NR-3, Scale 1: 500,000

Elevation in feet above mean sea level

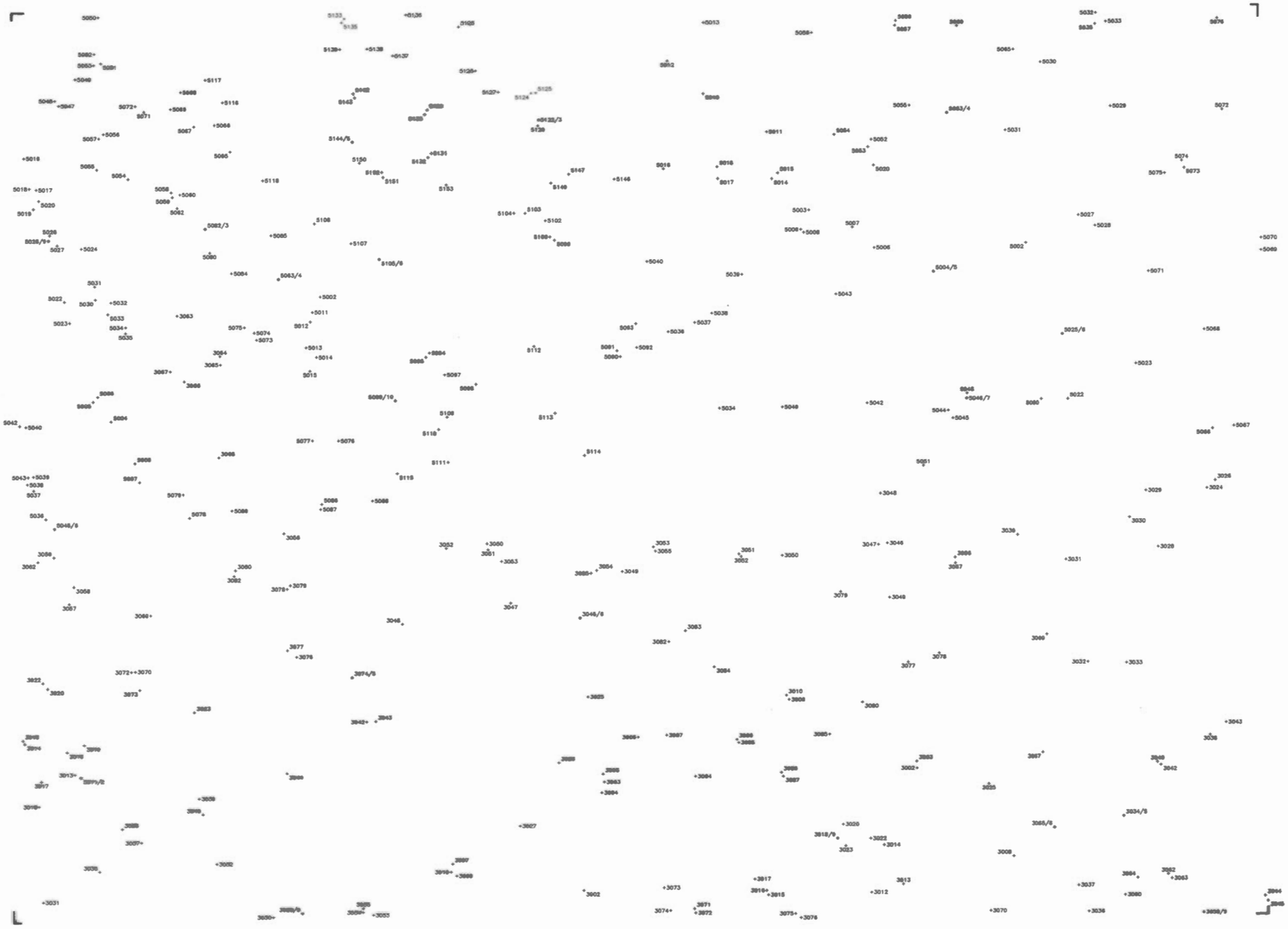
Magnetic declination for 1989 ranges from 21°05'W, decreasing 2.8' annually, in the southwest corner of the map area, to 21°29'W, decreasing 3.2' annually, in the northeast corner of the map area.

SAMPLE LOCATION
STREAM SEDIMENTS
GSC OPEN FILE 1954
NORTH-CENTRAL NEW BRUNSWICK, 1988



GSC OPEN FILE 1954
CANADA - NEW BRUNSWICK
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

NEW BRUNSWICK 1989
NTS 21P/4 (W1/2)
21O/1 (E1/2)

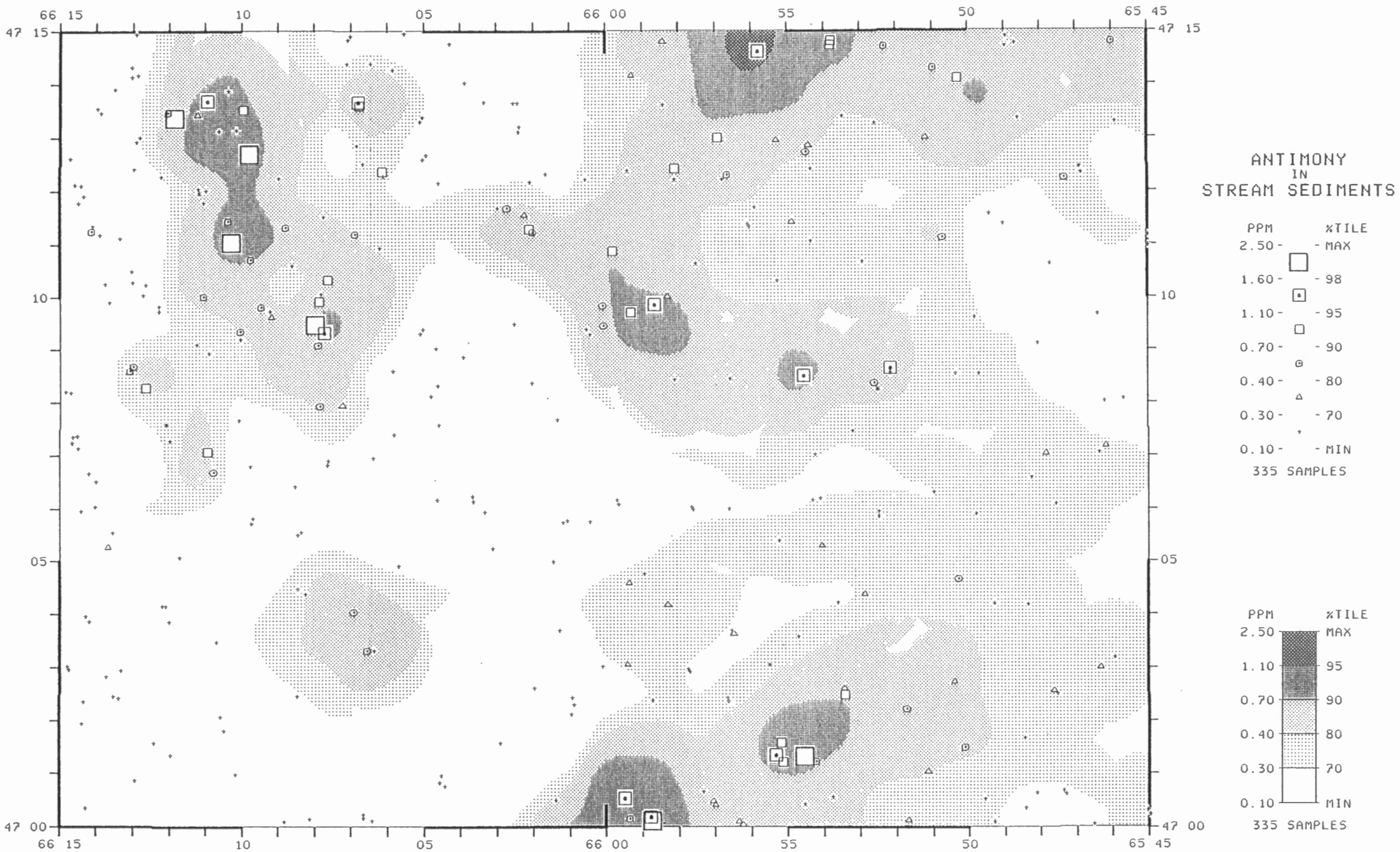


GSC OPEN FILE 1954
CANADA - NEW BRUNSWICK
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

NEW BRUNSWICK 1989
NTS 21P/4 (W1/2)
210/1 (E1/2)

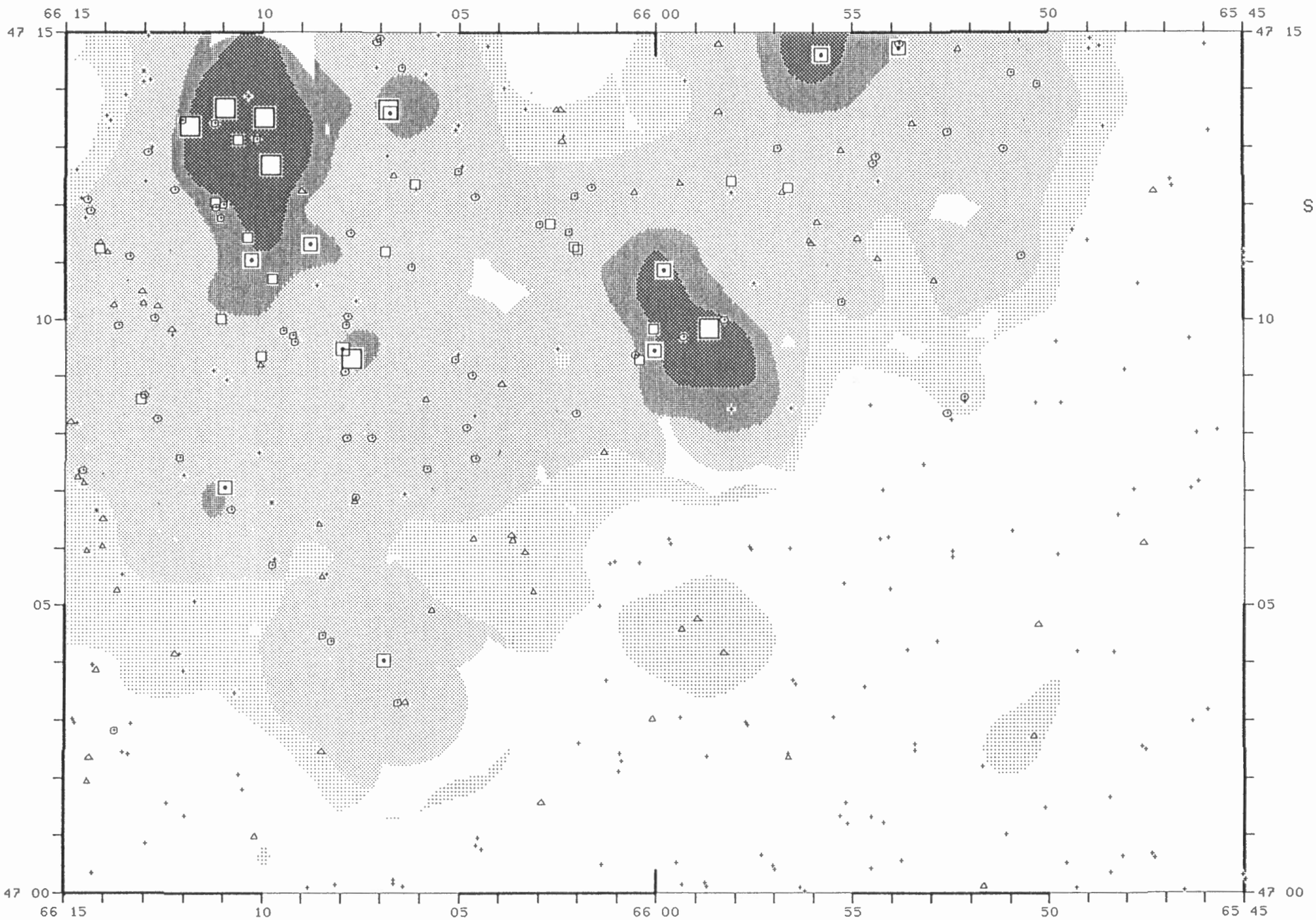
GSC OPEN FILE 1954
CANADA - NEW BRUNSWICK
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

NEW BRUNSWICK 1989
NTS 21P/4 (W1/2)
210/1 (E1/2)



GSC OPEN FILE 1954
CANADA - NEW BRUNSWICK
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

NEW BRUNSWICK 1989
NTS 21P/4 (W1/2)
21O/1 (E1/2)



ARSENIC
IN
STREAM SEDIMENTS

PPM	%TILE
350.0	MAX
167.0	98
80.0	95
53.0	90
13.0	70
7.0	50
0.5	MIN

335 SAMPLES

PPM	%TILE
350.0	MAX
80.0	95
53.0	90
13.0	70
7.0	50
0.5	MIN

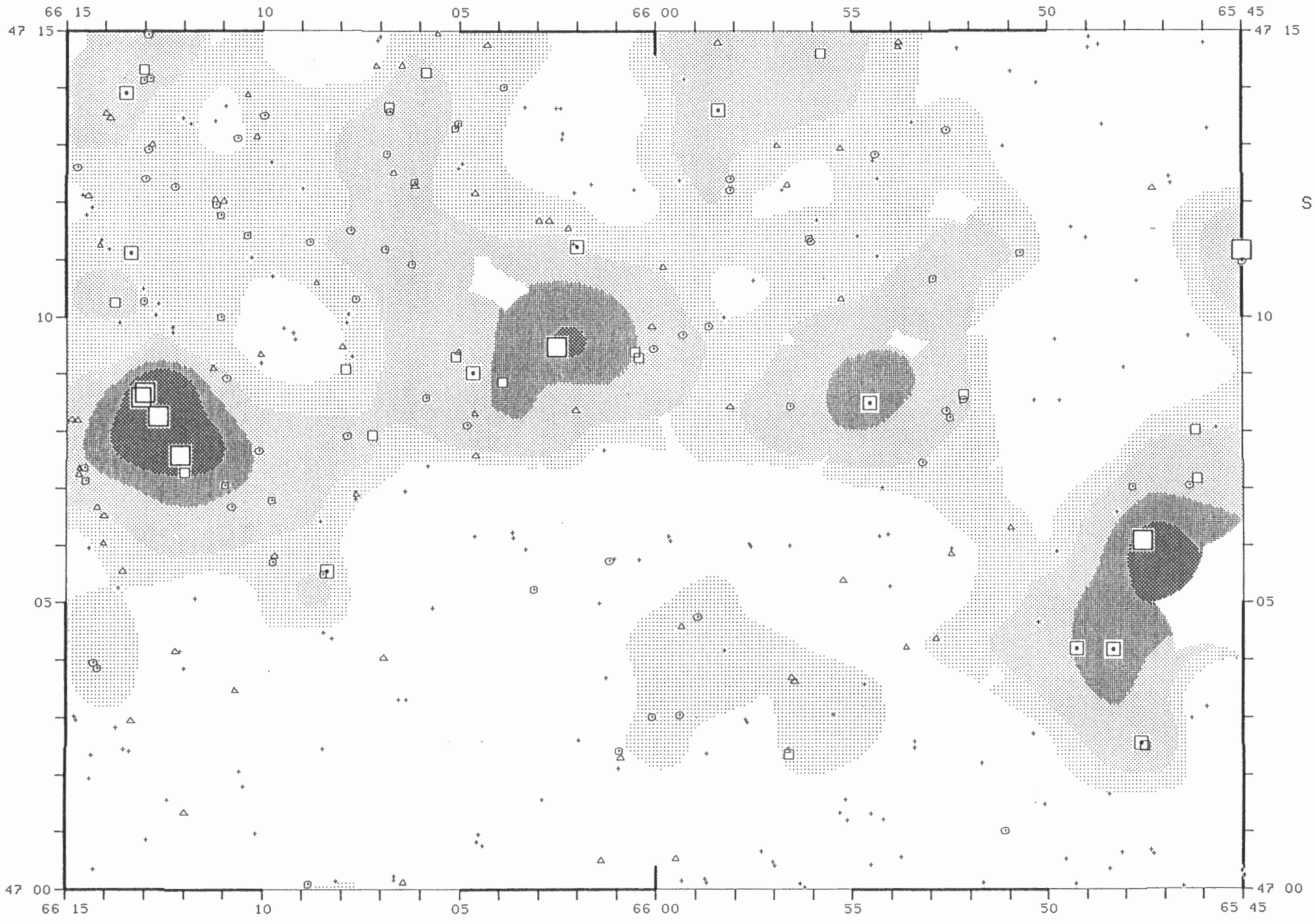
335 SAMPLES

0 20

KILOMETRES

GSC OPEN FILE 1954
CANADA - NEW BRUNSWICK
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

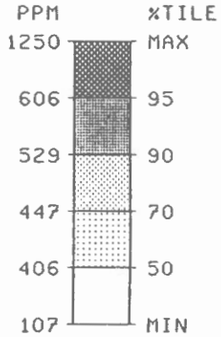
NEW BRUNSWICK 1989
NTS 21P/4 (W1/2)
210/1 (E1/2)



BARIUM
IN
STREAM SEDIMENTS

PPM	%TILE
1250	MAX
681	98
606	95
529	90
447	70
406	50
107	MIN

335 SAMPLES



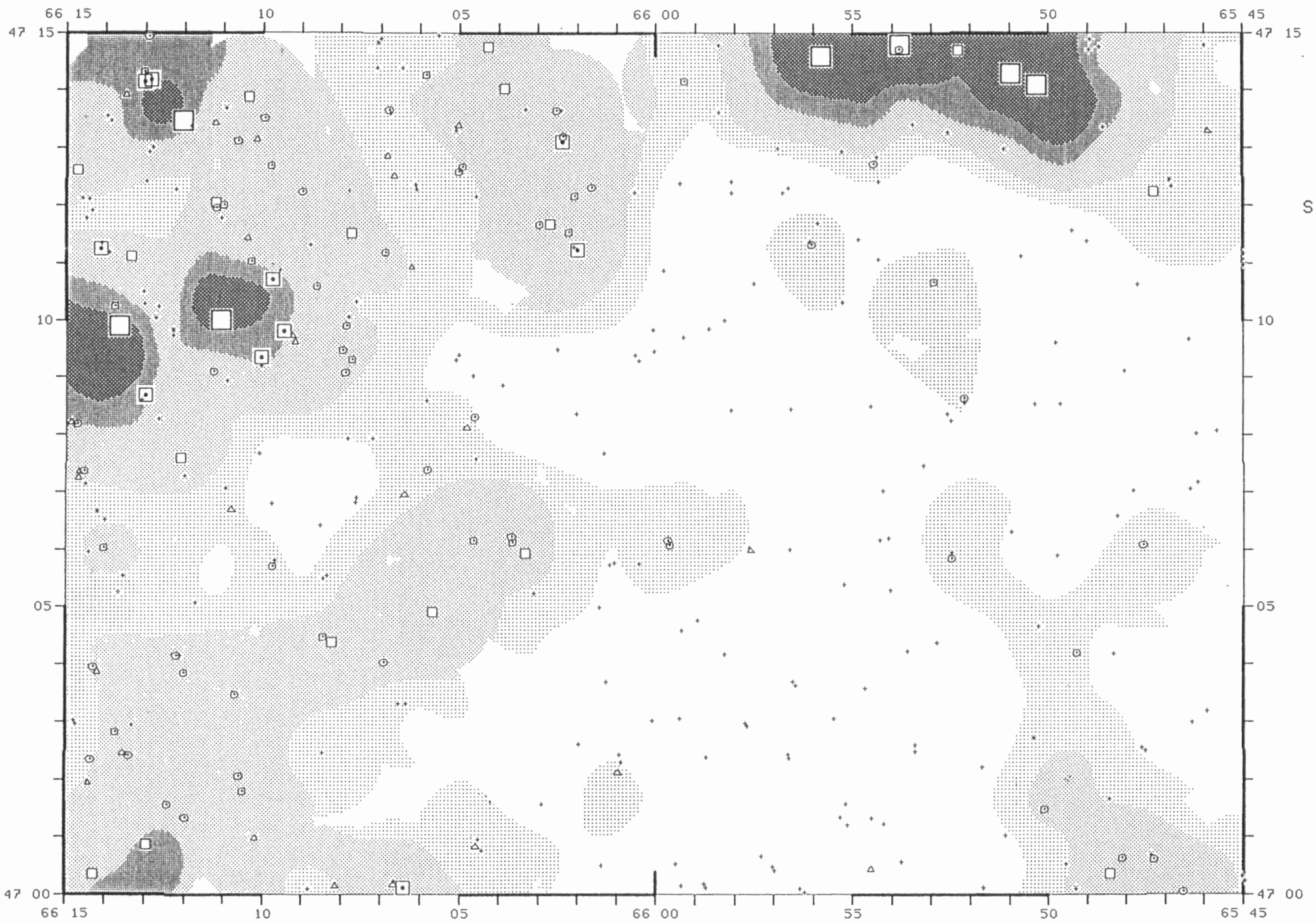
335 SAMPLES

0 20

KILOMETRES

GSC OPEN FILE 1954
CANADA - NEW BRUNSWICK
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

NEW BRUNSWICK 1989
NTS 21P/4 (W1/2)
21O/1 (E1/2)



CADMIUM
IN
STREAM SEDIMENTS

PPM	%TILE
8.3	MAX
2.4	98
1.7	95
1.1	90
0.4	70
0.2	60
0.1	MIN

335 SAMPLES

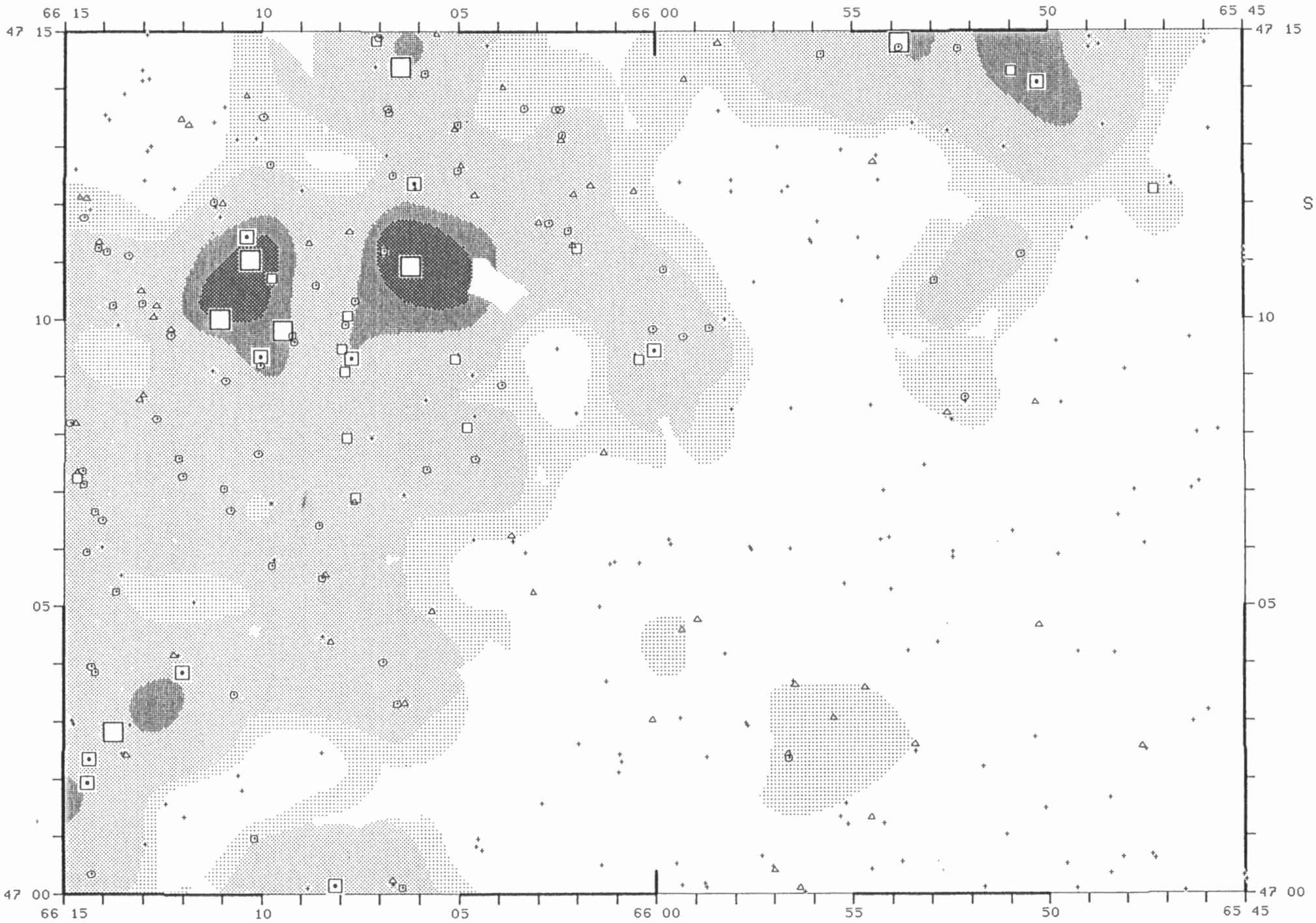
PPM	%TILE
8.3	MAX
1.7	95
1.1	90
0.4	70
0.2	60
0.1	MIN

335 SAMPLES

0 20
KILOMETRES

GSC OPEN FILE 1954
CANADA - NEW BRUNSWICK
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

NEW BRUNSWICK 1989
NTS 21P/4 (W1/2)
210/1 (E1/2)

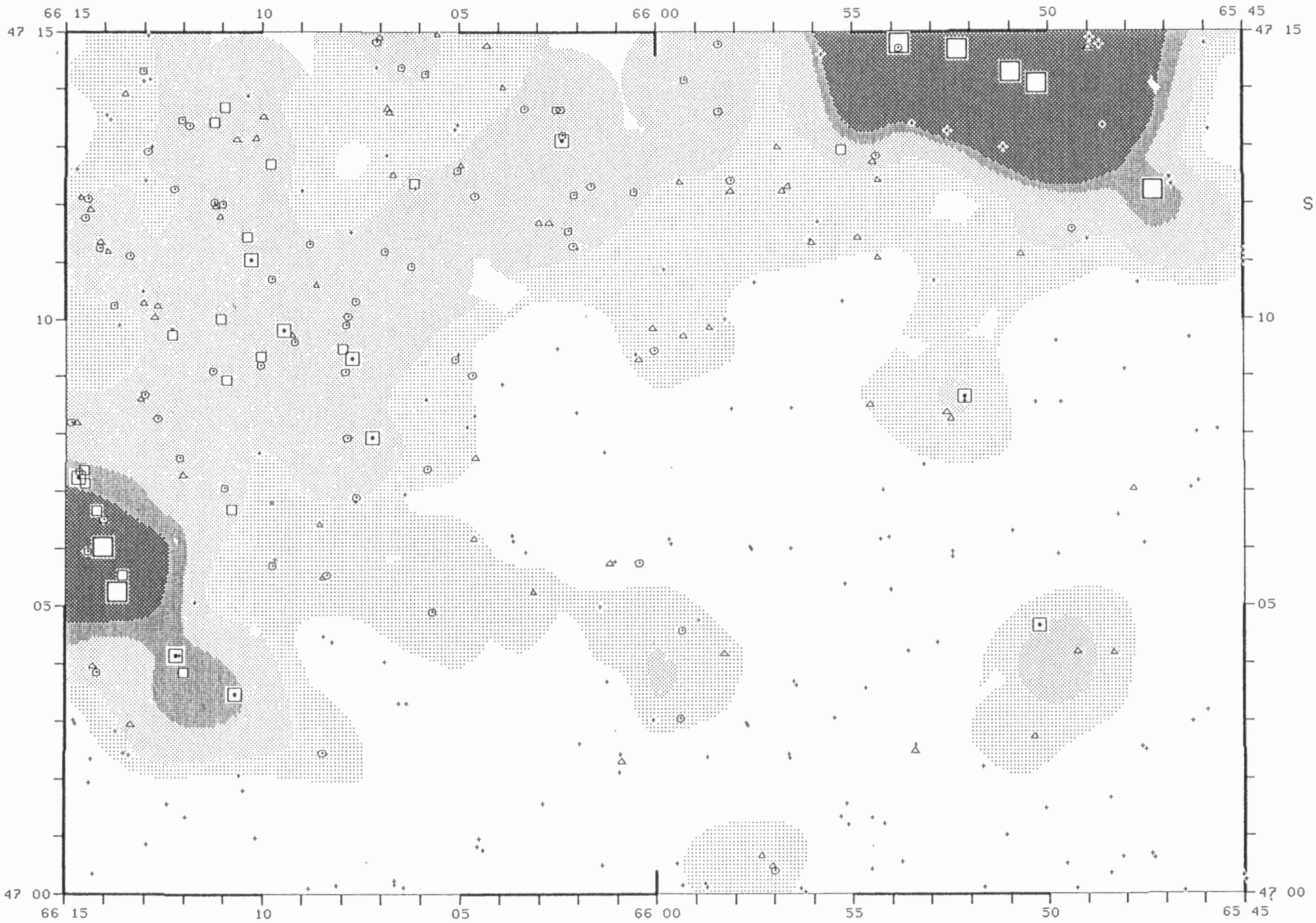


0 20

KILOMETRES

GSC OPEN FILE 1954
CANADA - NEW BRUNSWICK
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

NEW BRUNSWICK 1989
NTS 21P/4 (W1/2)
21O/1 (E1/2)



COPPER
IN
STREAM SEDIMENTS

PPM	%TILE
425	MAX
63	98
31	95
23	90
13	70
9	50
1	MIN

335 SAMPLES

PPM	%TILE
425	MAX
31	95
23	90
13	70
9	50
1	MIN

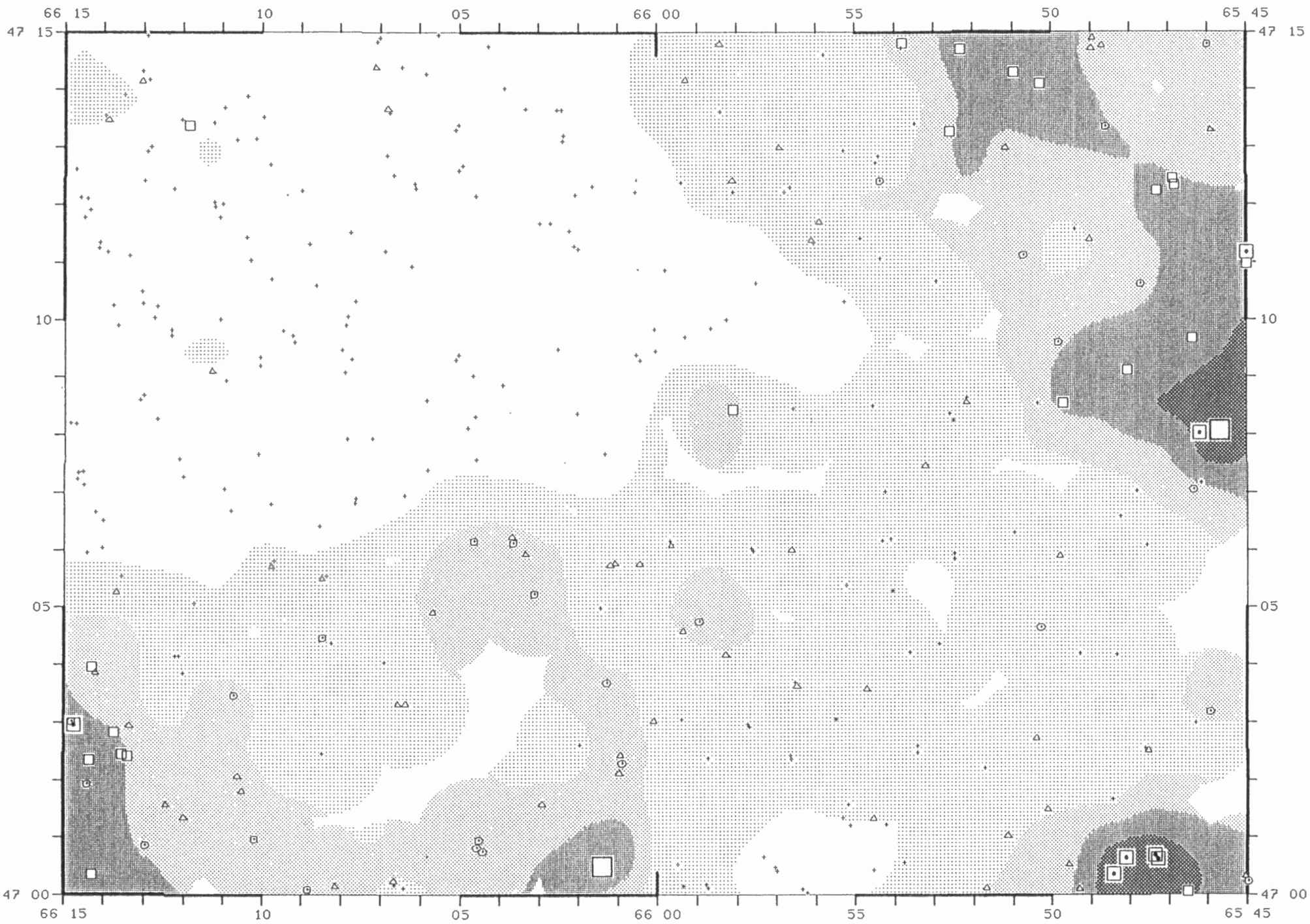
335 SAMPLES

0 20

KILOMETRES

GSC OPEN FILE 1954
CANADA - NEW BRUNSWICK
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

NEW BRUNSWICK 1989
NTS 21P/4 (W1/2)
21O/1 (E1/2)



FLUORIDE
IN
STREAM WATERS

PPB	%TILE
90	MAX
80	98
70	95
60	90
50	80
40	60
20	MIN

335 SAMPLES

PPB	%TILE
90	MAX
70	95
60	90
50	80
40	60
20	MIN

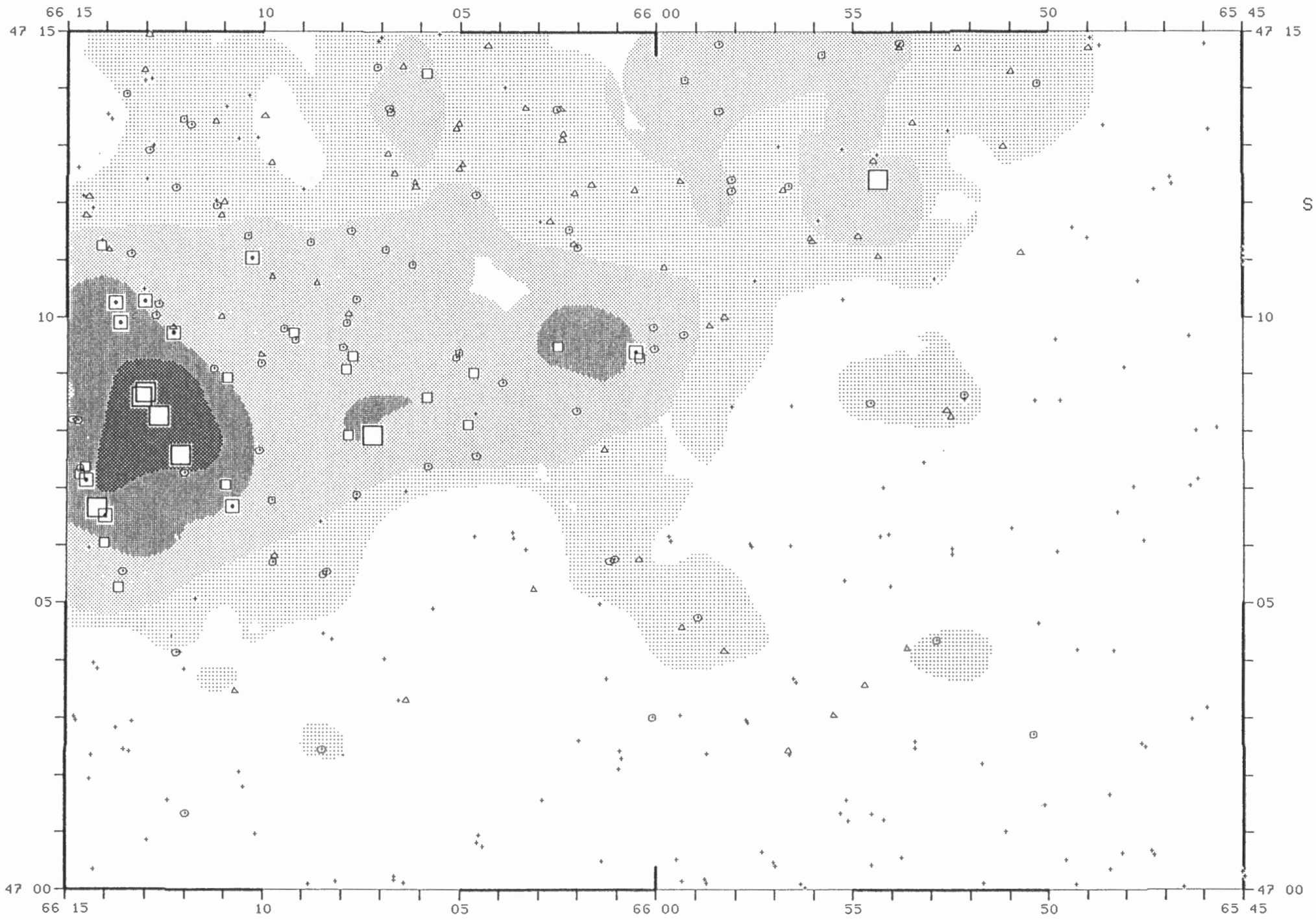
335 SAMPLES

0 20

KILOMETRES

GSC OPEN FILE 1954
CANADA - NEW BRUNSWICK
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

NEW BRUNSWICK 1989
NTS 21P/4 (W1/2)
210/1 (E1/2)



FLUORINE
IN
STREAM SEDIMENTS

PPM	%TILE
768 -	- MAX
459 -	- 98
428 -	- 95
372 -	- 90
293 -	- 70
248 -	- 50
70 -	- MIN

335 SAMPLES

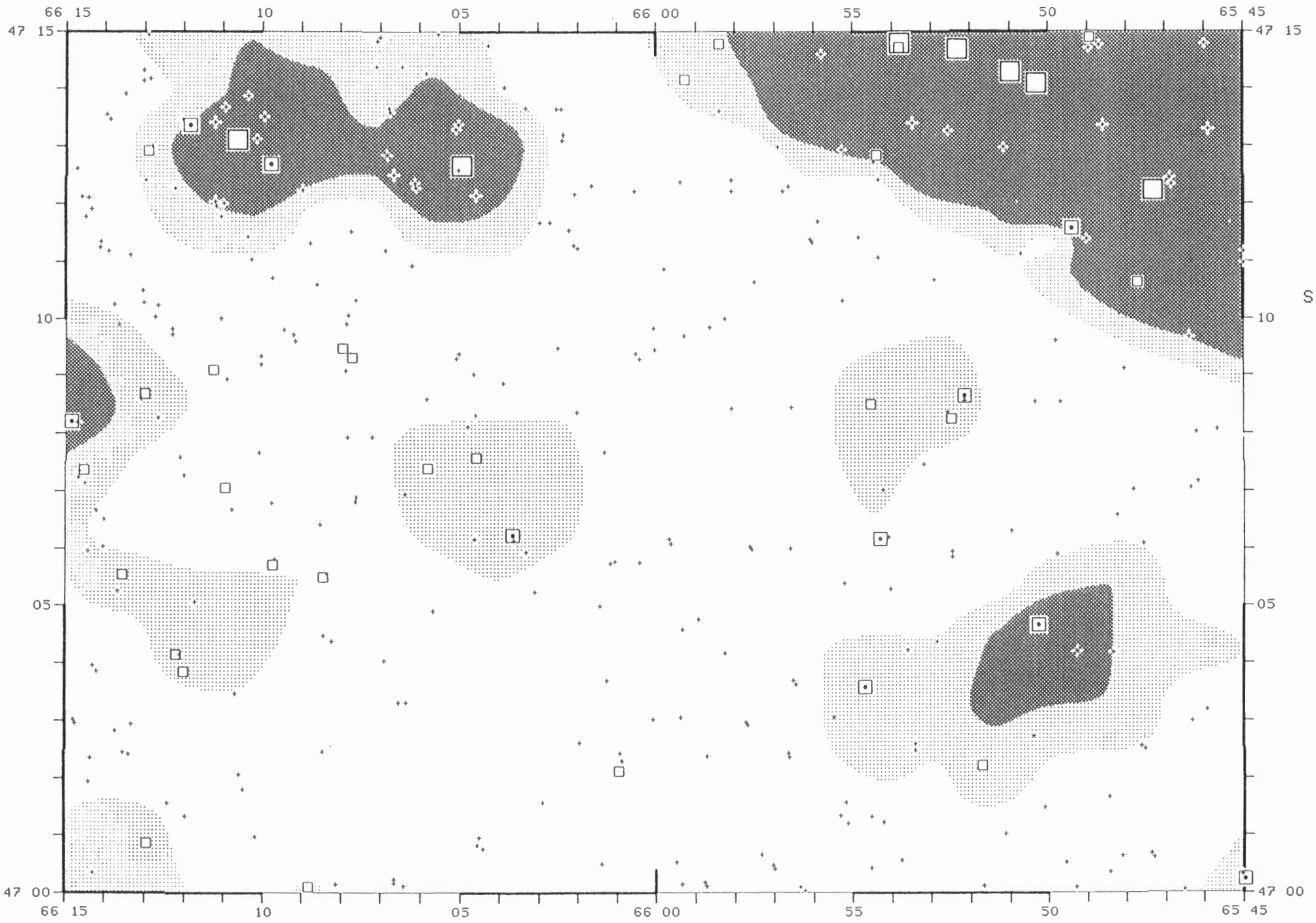
PPM	%TILE
768	MAX
428	95
372	90
293	70
248	50
70	MIN

335 SAMPLES

0 20
KILOMETRES

GSC OPEN FILE 1954
CANADA - NEW BRUNSWICK
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

NEWBRUNSWICK 1989
NTS 21P/4 (W1/2)
21O/1 (E1/2)



GOLD
IN
STREAM SEDIMENTS

PPB	%TILE
89.0	MAX
18.0	98
2.0	95
1.0	80
0.5	MIN

335 SAMPLES

PPB	%TILE
89.0	MAX
2.0	95
1.0	80
0.5	MIN

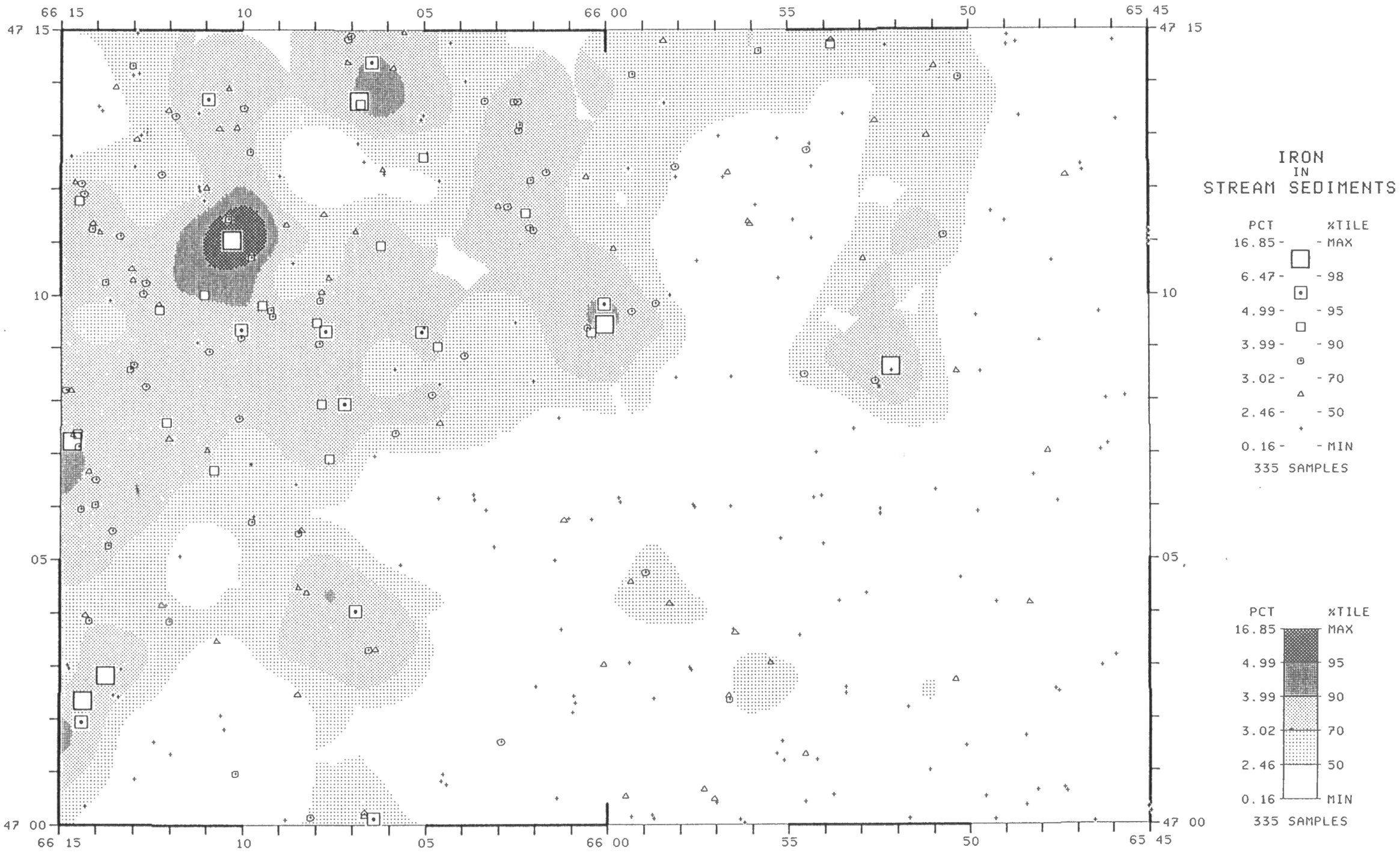
335 SAMPLES

0 20

KILOMETRES

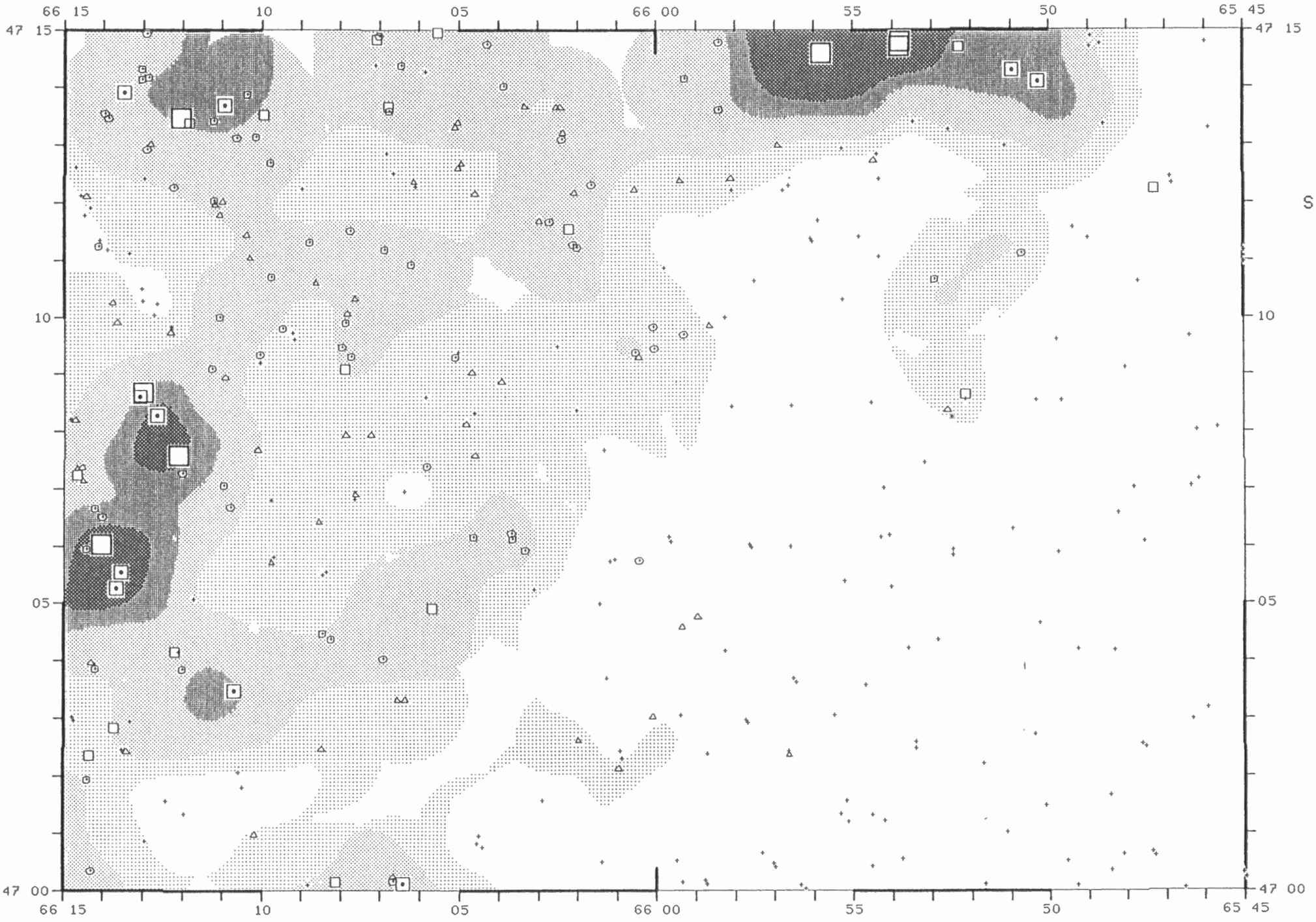
GSC OPEN FILE 1954
CANADA - NEW BRUNSWICK
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

NEW BRUNSWICK 1989
NTS 21P/4 (W1/2)
21O/1 (E1/2)



GSC OPEN FILE 1954
CANADA - NEW BRUNSWICK
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

NEW BRUNSWICK 1989
NTS 21P/4 (W1/2)
21O/1 (E1/2)



LEAD
IN
STREAM SEDIMENTS

PPM	%TILE
158	MAX
104	98
68	95
52	90
30	70
21	50
4	MIN

335 SAMPLES

PPM	%TILE
158	MAX
68	95
52	90
30	70
21	50
4	MIN

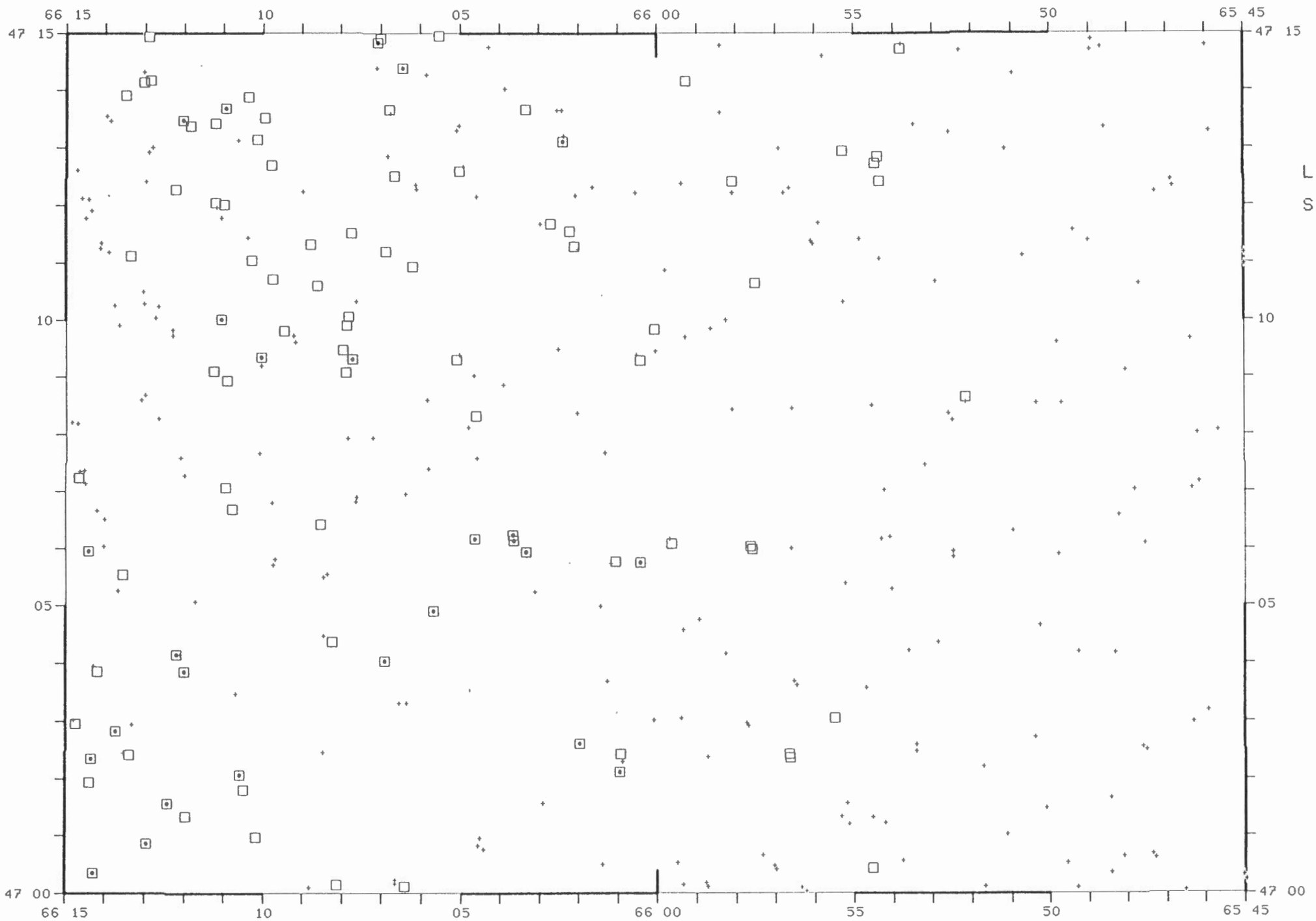
335 SAMPLES

0 20

KILOMETRES

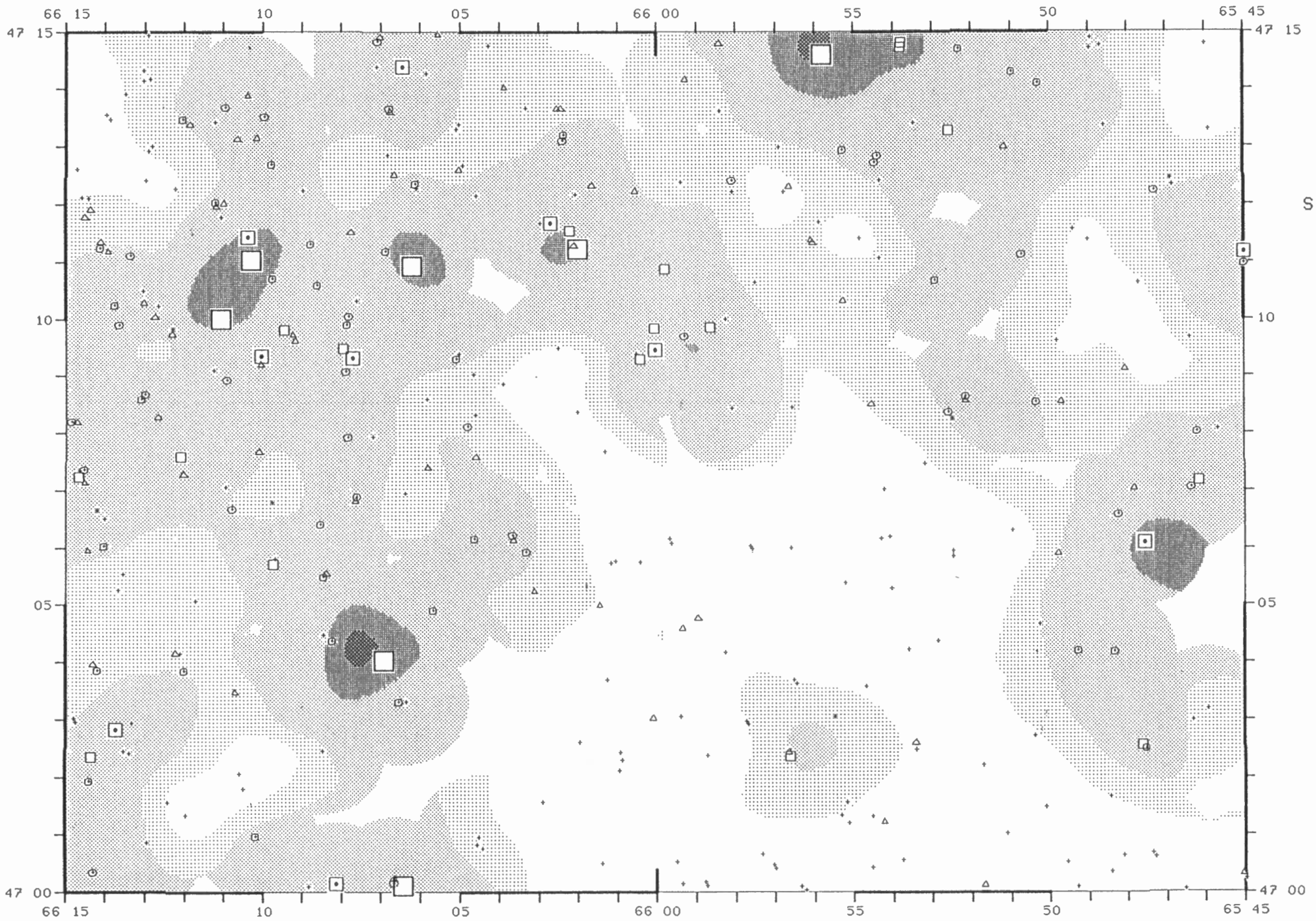
GSC OPEN FILE 1954
CANADA - NEW BRUNSWICK
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

NEW BRUNSWICK 1989
NTS 21P/4 (W1/2)
21O/1 (E1/2)



GSC OPEN FILE 1954
CANADA - NEW BRUNSWICK
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

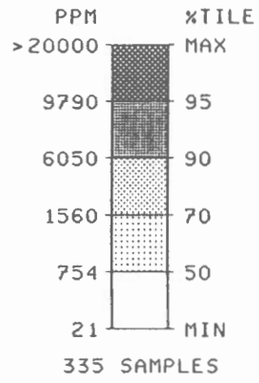
NEW BRUNSWICK 1989
NTS 21P/4 (W1/2)
21O/1 (E1/2)



MANGANESE
IN
STREAM SEDIMENTS

PPM		%TILE
>20000		MAX
13100		98
9790		95
6050		90
1560		70
754		50
21		MIN

335 SAMPLES



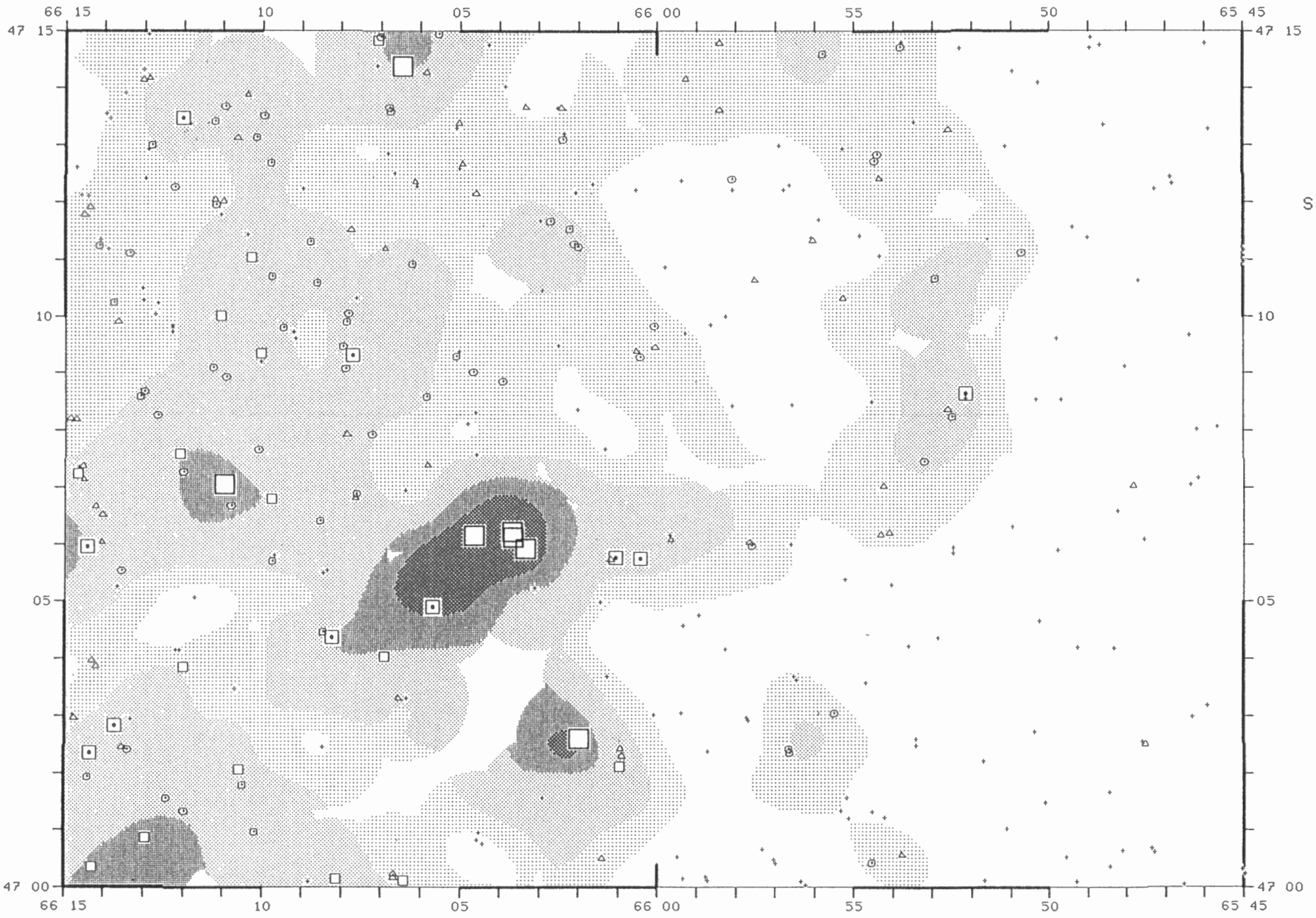
335 SAMPLES

0 20

KILOMETRES

GSC OPEN FILE 1954
CANADA - NEW BRUNSWICK
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

NEW BRUNSWICK 1989
NTS 21P/4 (W1/2)
210/1 (E1/2)



MERCURY
IN
STREAM SEDIMENTS

PPB	%TILE
284 -	- MAX
228 -	- 98
146 -	- 95
112 -	- 90
67 -	- 70
50 -	- 50
14 -	- MIN

335 SAMPLES

PPB	%TILE
284	MAX
146	95
112	90
67	70
50	50
14	MIN

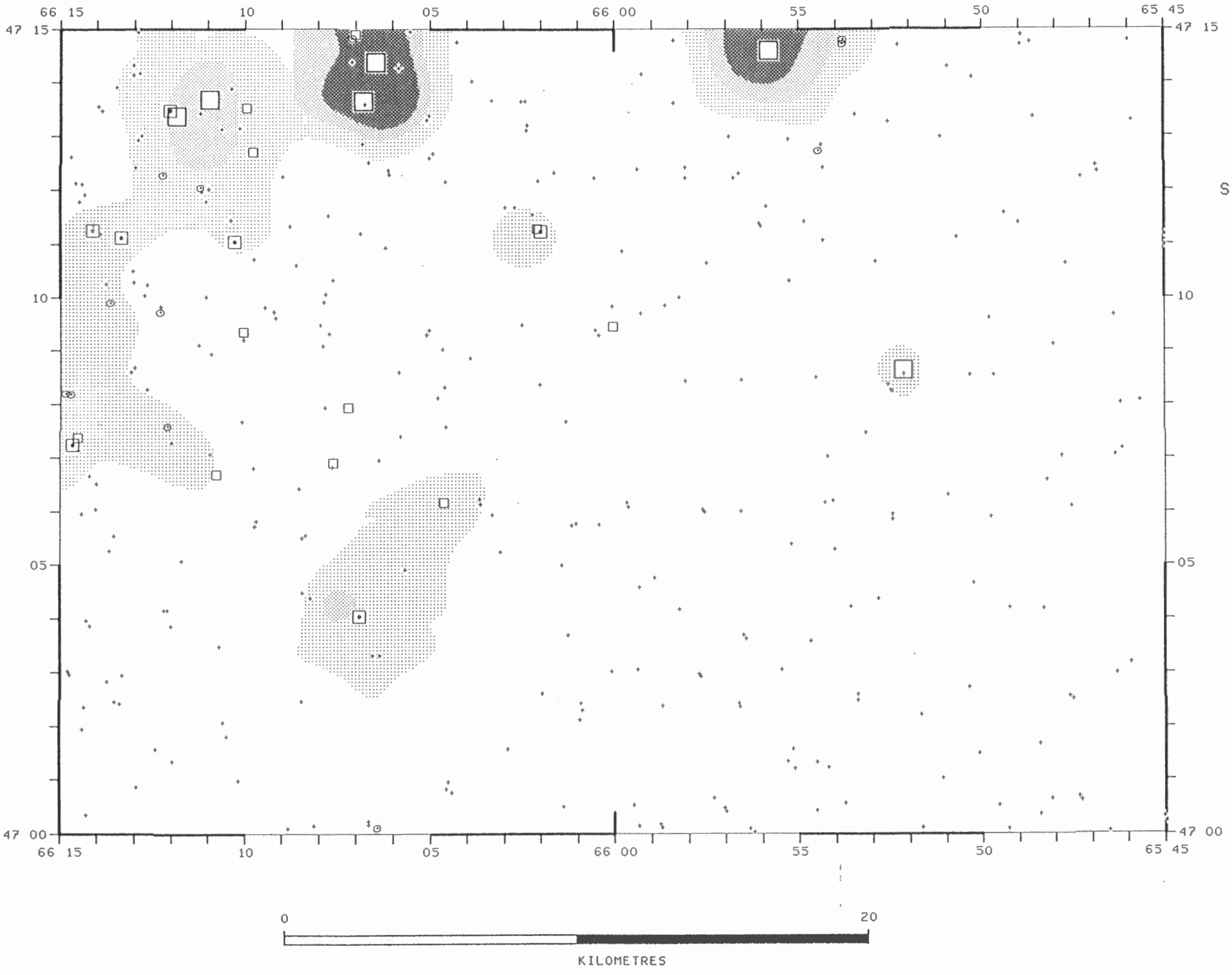
335 SAMPLES

0 20

KILOMETRES

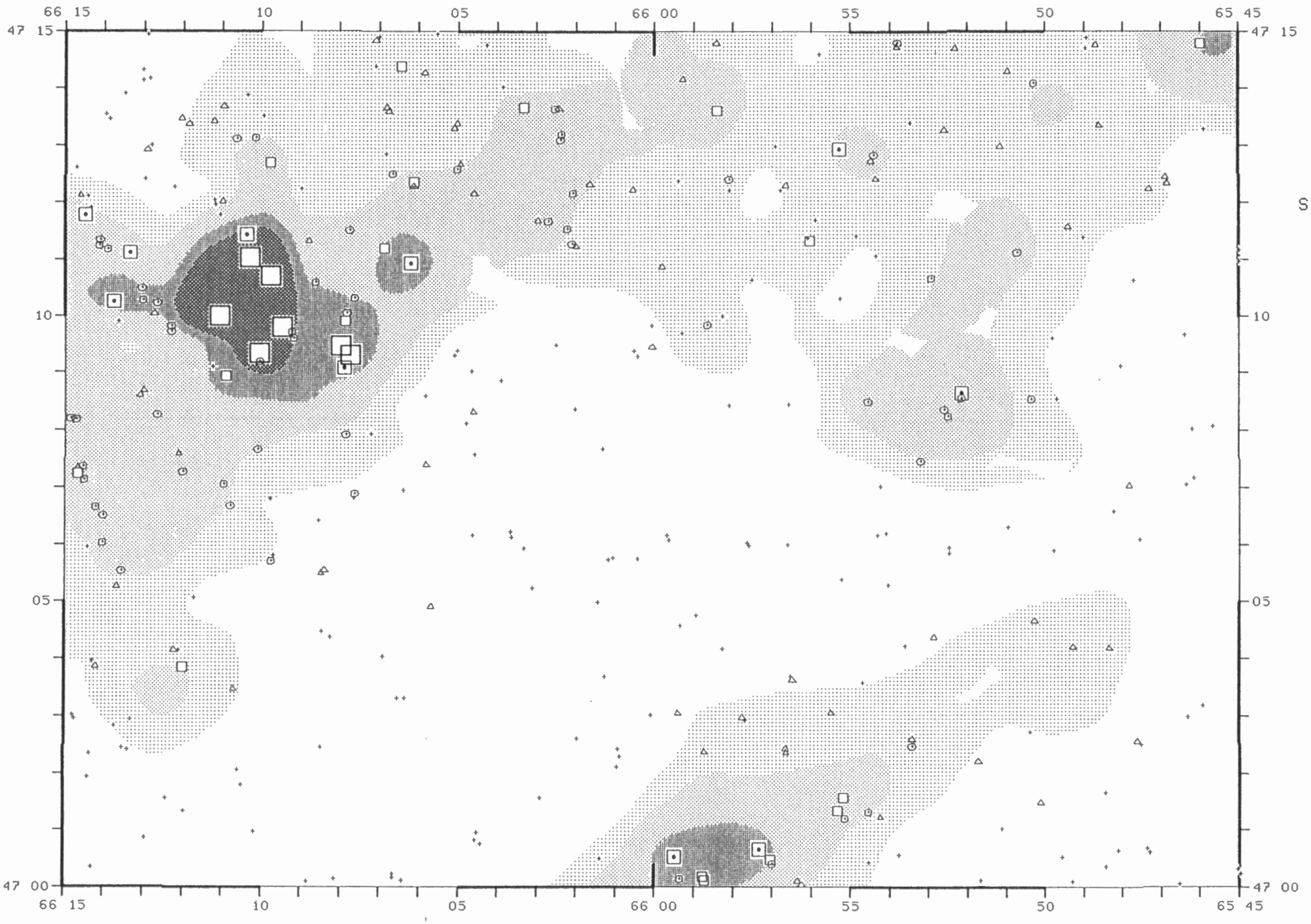
GSC OPEN FILE 1954
CANADA - NEW BRUNSWICK
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

NEW BRUNSWICK 1989
NTS 21P/4 (W1/2)
210/1 (E1/2)



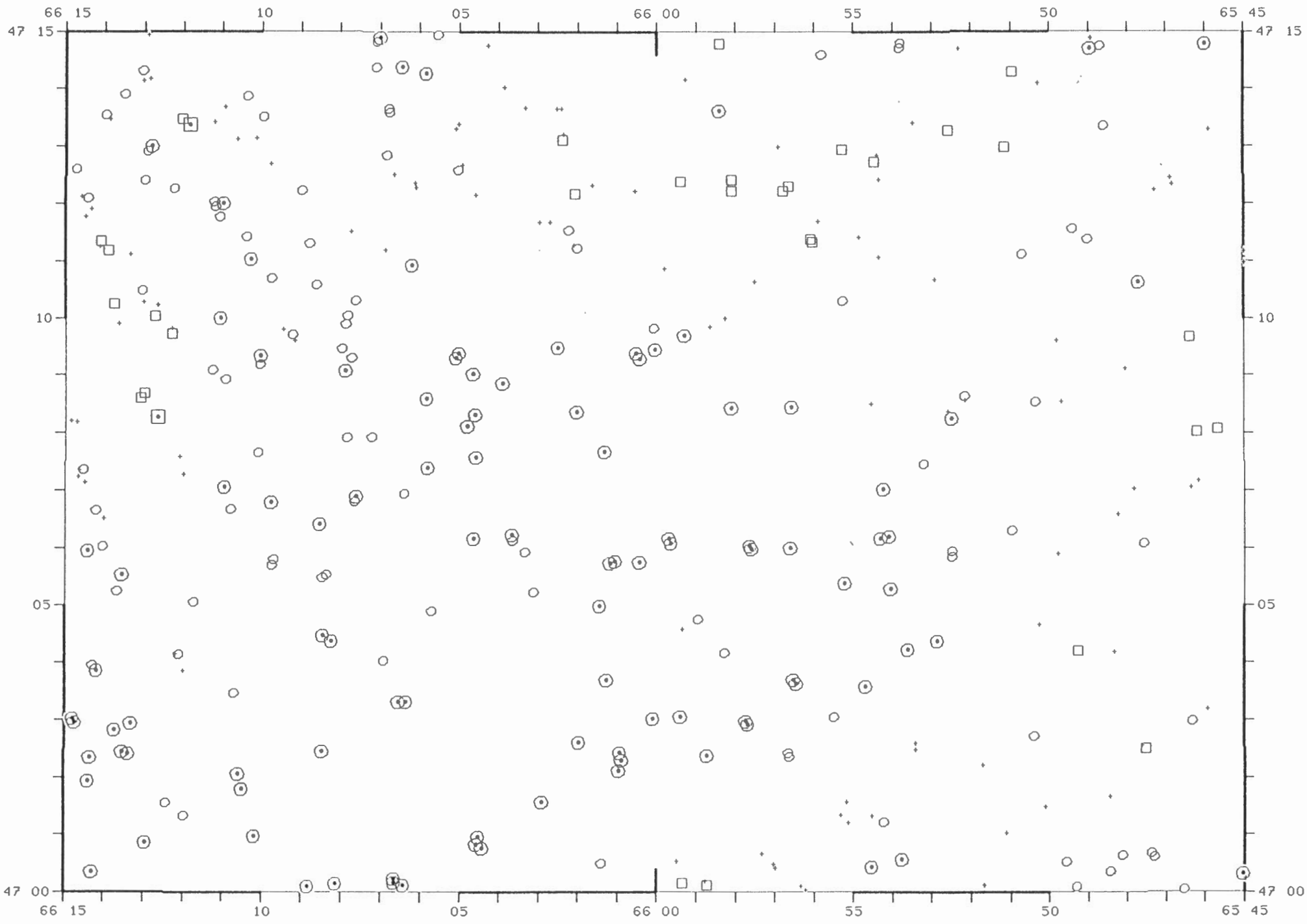
GSC OPEN FILE 1954
CANADA - NEW BRUNSWICK
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

NEW BRUNSWICK 1989
NTS 21P/4 (W1/2)
21O/1 (E1/2)



GSC OPEN FILE 1954
CANADA - NEW BRUNSWICK
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

NEW BRUNSWICK 1989
NTS 21P/4 (W1/2)
21O/1 (E1/2)



PH
IN
STREAM WATERS

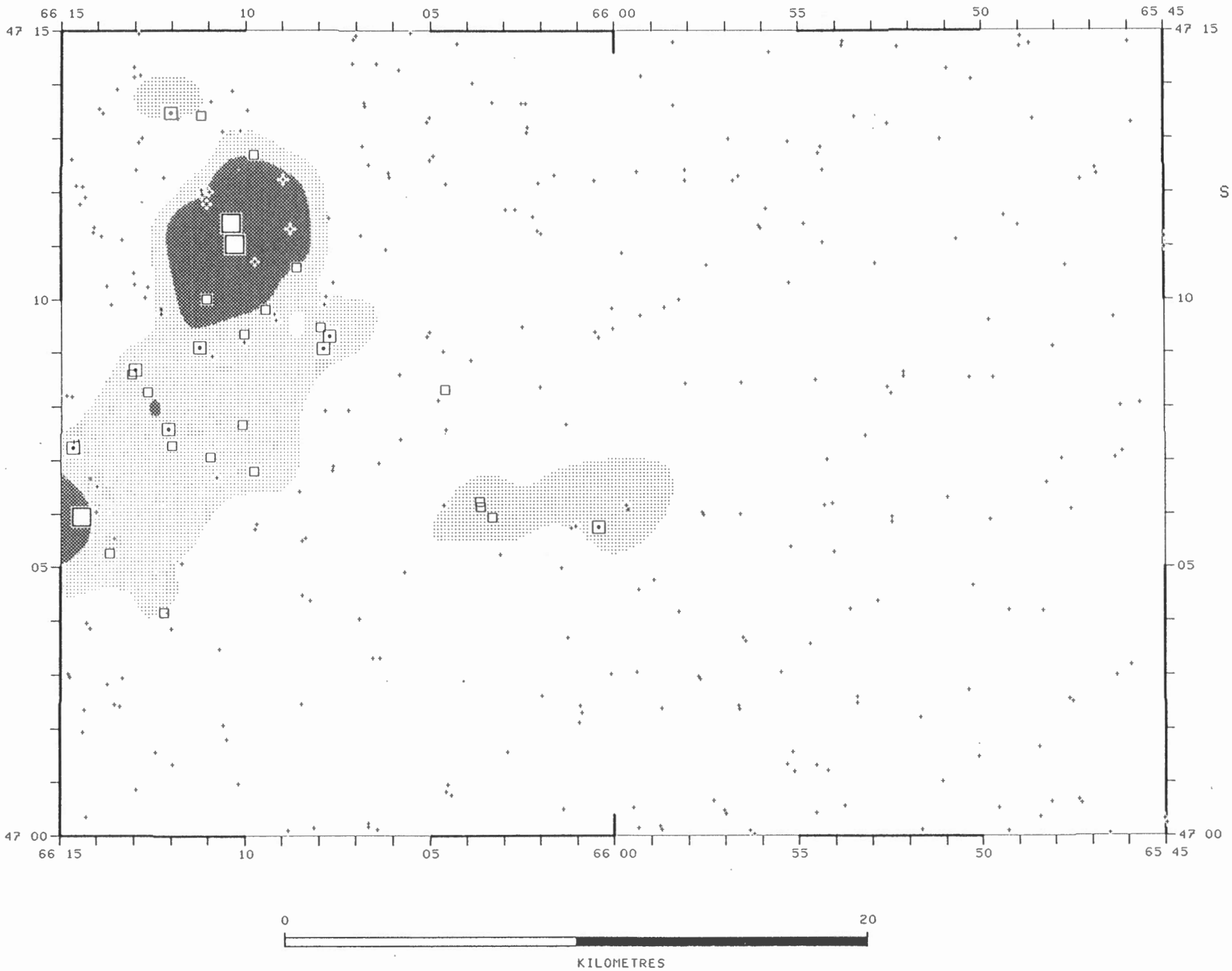
	%TILE
7.8	MAX
7.6	99
7.2	90
6.7	50
6.3	30
2.0	MIN

335 SAMPLES

0 20
KILOMETRES

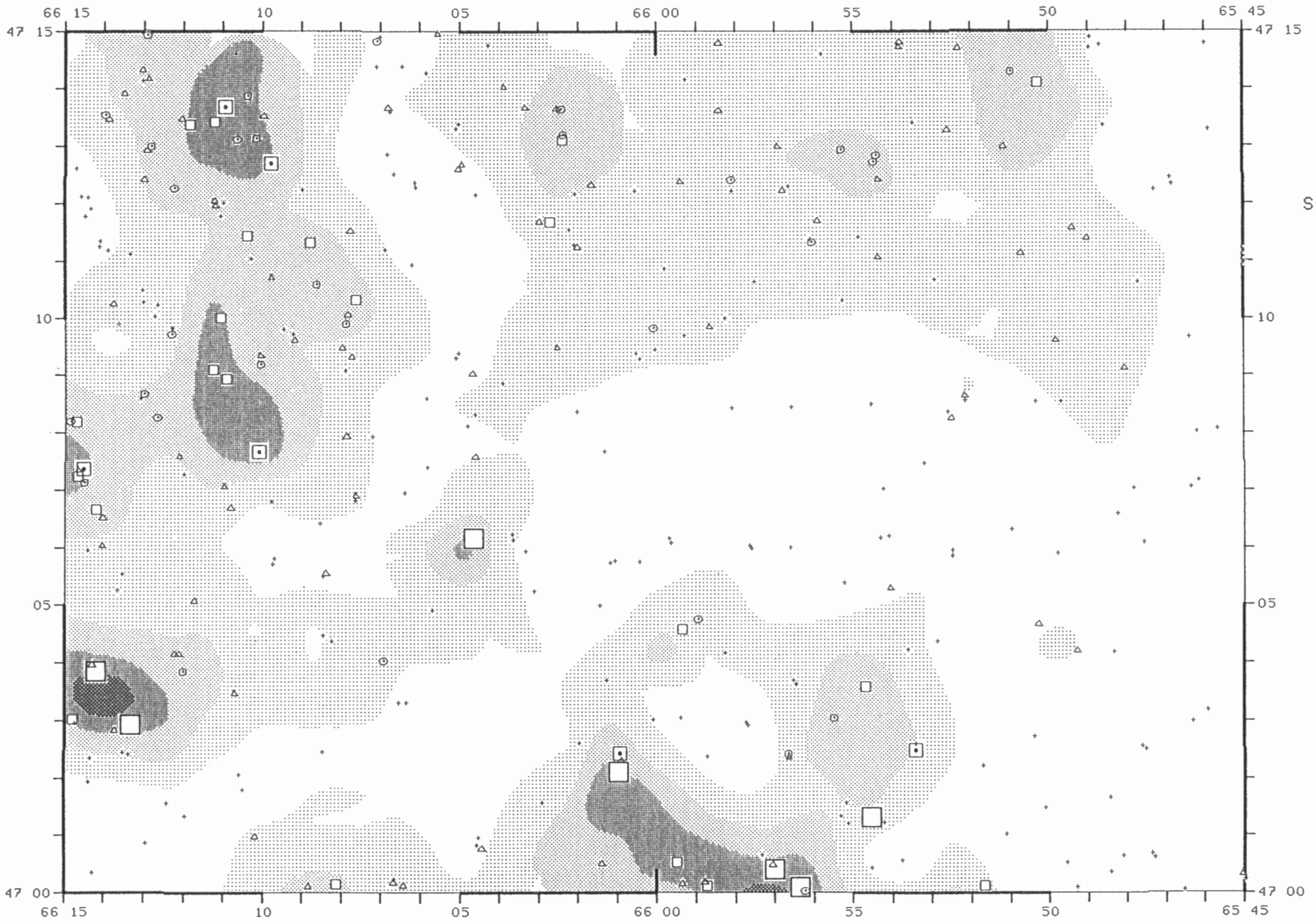
GSC OPEN FILE 1954
CANADA - NEW BRUNSWICK
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

NEW BRUNSWICK 1989
NTS 21P/4 (W1/2)
21O/1 (E1/2)



GSC OPEN FILE 1954
CANADA - NEW BRUNSWICK
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

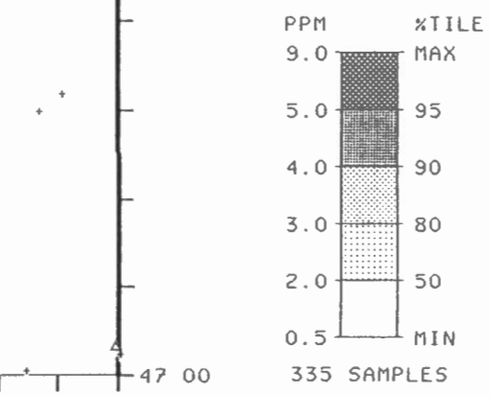
NEW BRUNSWICK 1989
NTS 21P/4 (W1/2)
21O/1 (E1/2)



TIN
IN
STREAM SEDIMENTS

PPM	%TILE
9.0	MAX
6.0	98
5.0	95
4.0	90
3.0	80
2.0	50
0.5	MIN

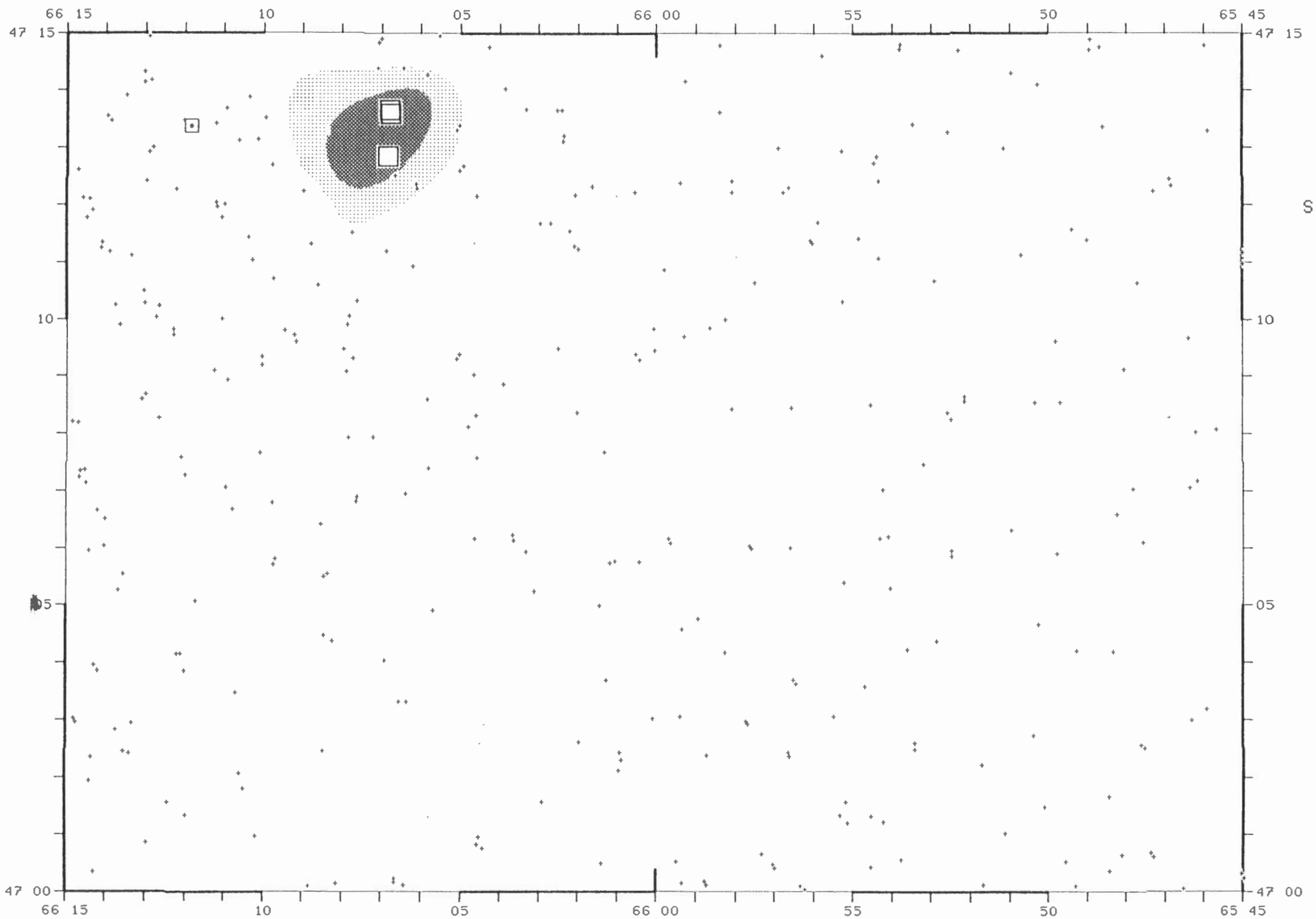
335 SAMPLES



335 SAMPLES

GSC OPEN FILE 1954
CANADA - NEW BRUNSWICK
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

NEW BRUNSWICK 1989
NTS 21P/4 (W1/2)
210/1 (E1/2)



TUNGSTEN
IN
STREAM SEDIMENTS

PPM	%TILE
12.0	MAX
6.0	99
4.0	98
2.0	MIN

335 SAMPLES

PPM	%TILE
12.0	MAX
6.0	99
4.0	98
2.0	MIN

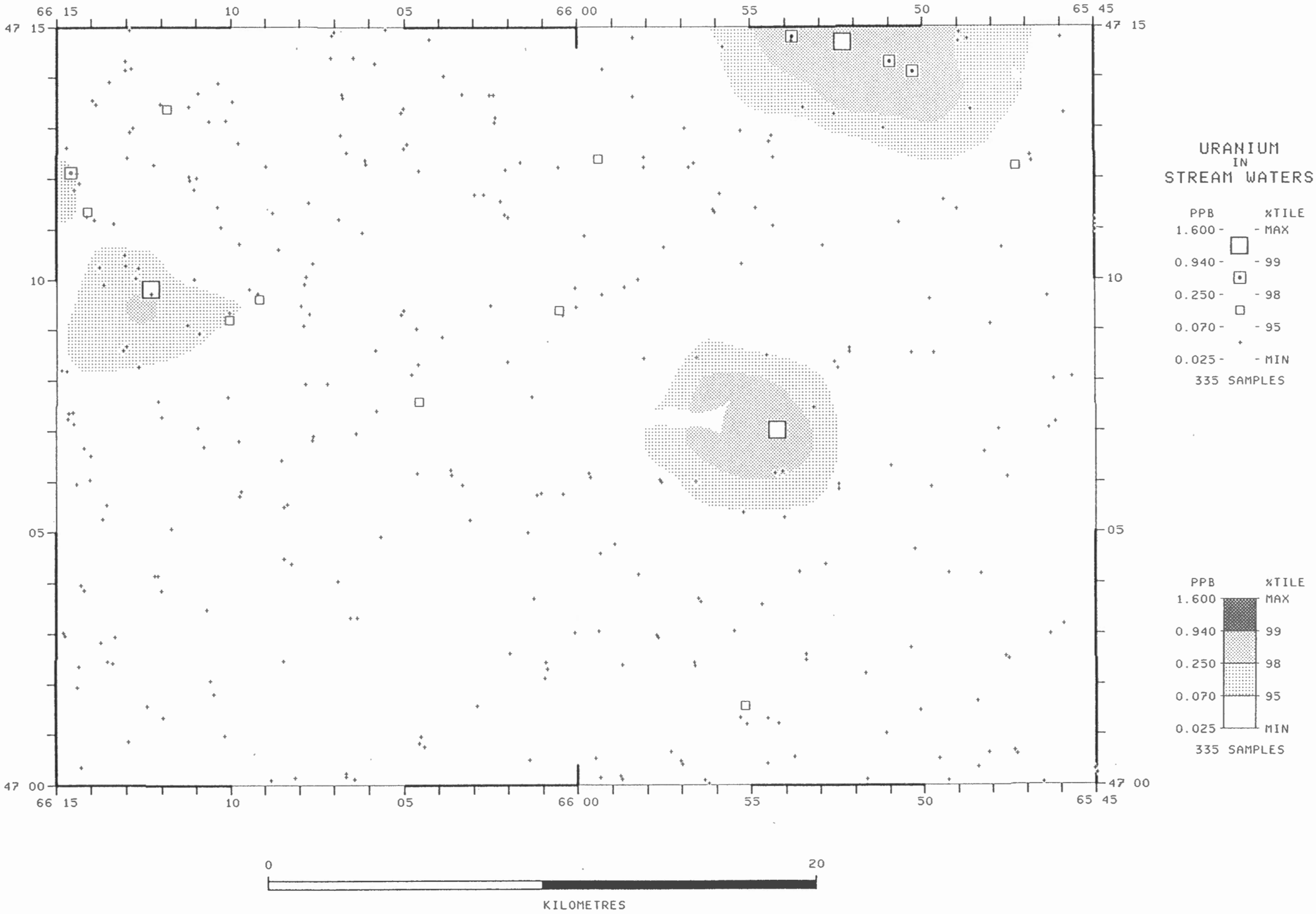
335 SAMPLES

0 20

KILOMETRES

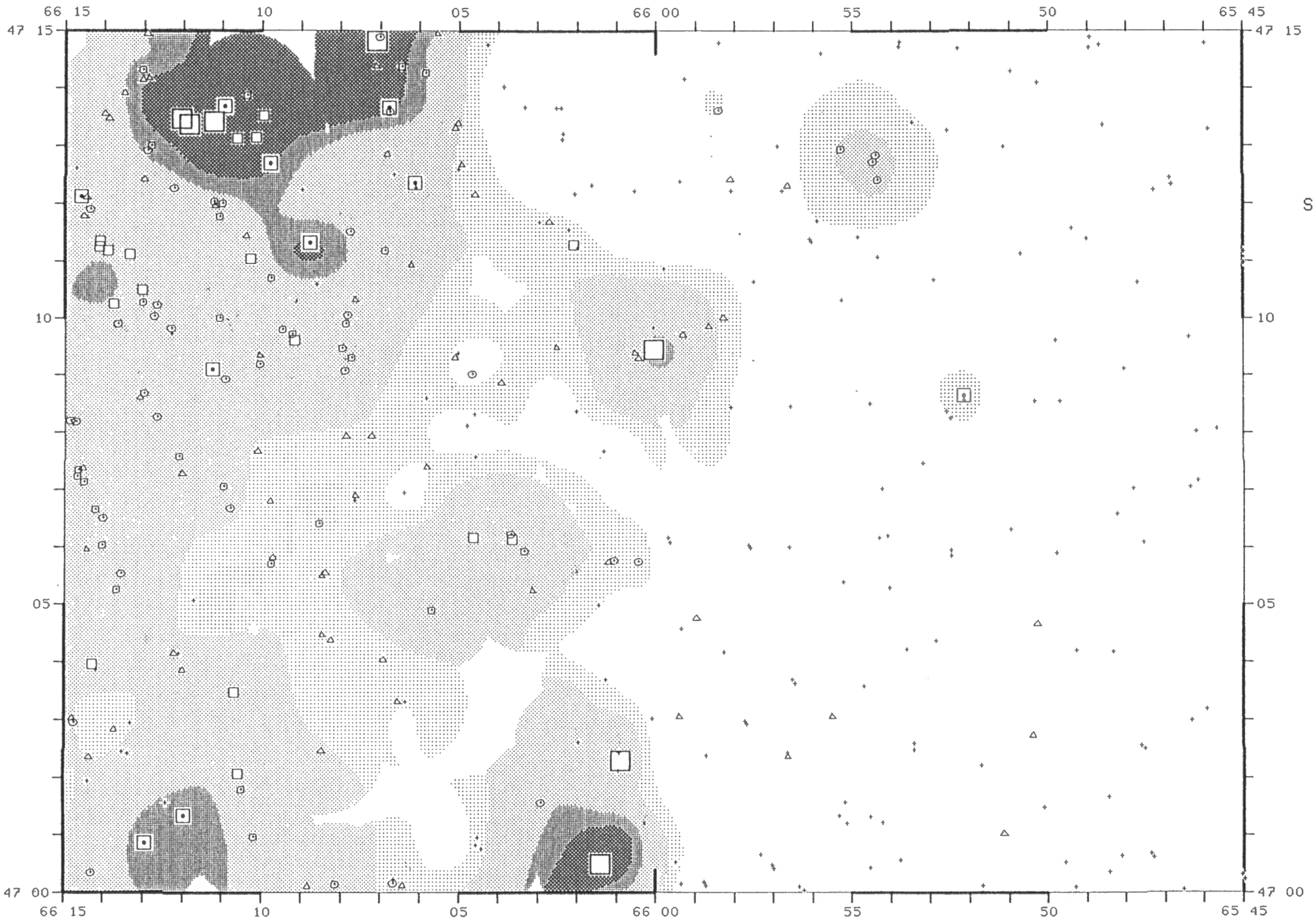
GSC OPEN FILE 1954
CANADA - NEW BRUNSWICK
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

NEW BRUNSWICK 1989
NTS 21P/4 (W1/2)
210/1 (E1/2)



GSC OPEN FILE 1954
CANADA - NEW BRUNSWICK
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

NEW BRUNSWICK 1989
NTS 21P/4 (W1/2)
21O/1 (E1/2)



URANIUM
IN
STREAM SEDIMENTS

PPM	%TILE
104.0 -	- MAX
24.1 -	- 98
12.9 -	- 95
10.3 -	- 90
6.1 -	- 70
5.1 -	- 50
2.0 -	- MIN

335 SAMPLES

PPM	%TILE
104.0	MAX
12.9	95
10.3	90
6.1	70
5.1	50
2.0	MIN

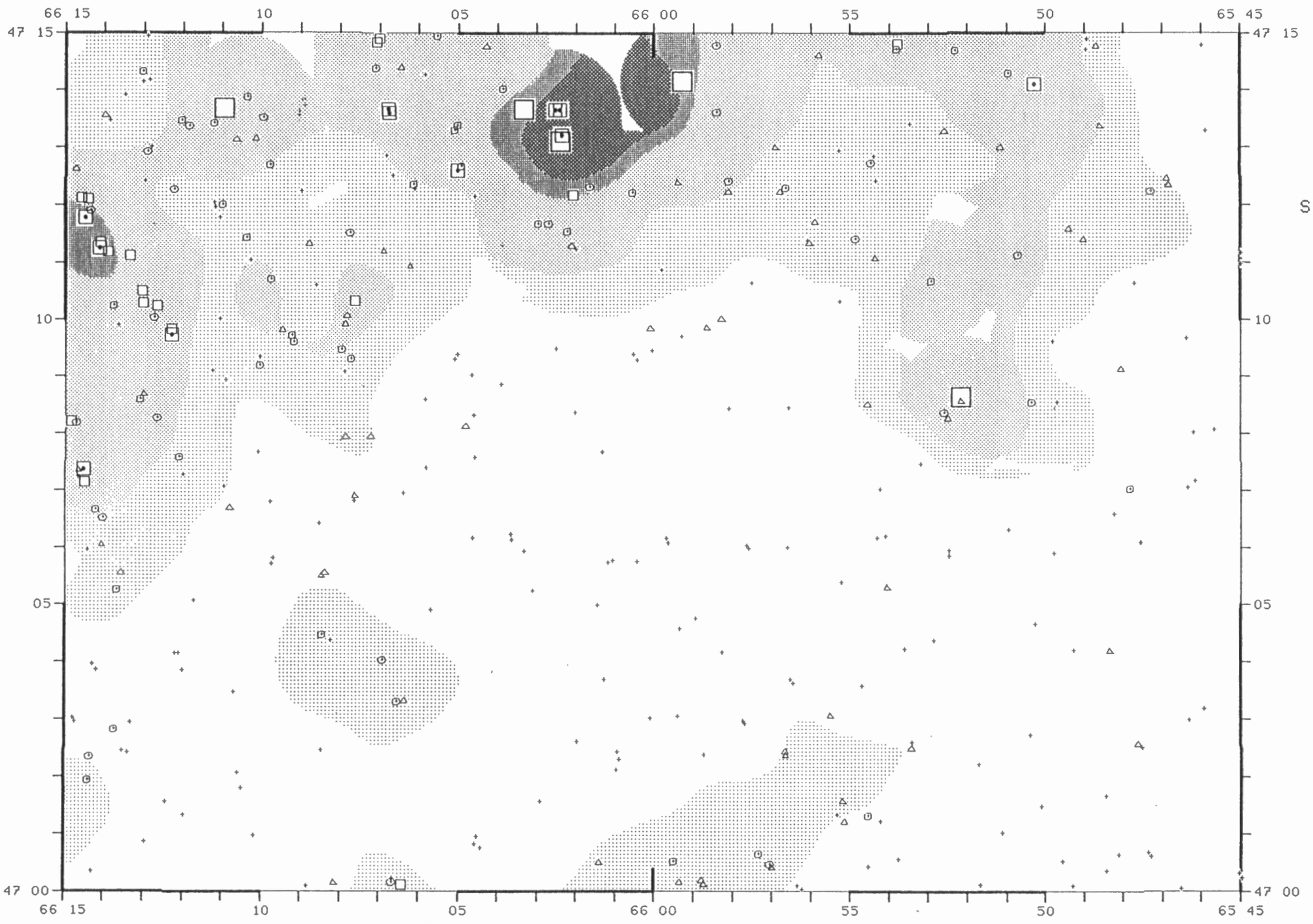
335 SAMPLES

0 20

KILOMETRES

GSC OPEN FILE 1954
CANADA - NEW BRUNSWICK
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

NEW BRUNSWICK 1989
NTS 21P/4 (W1/2)
21O/1 (E1/2)



VANADIUM
IN
STREAM SEDIMENTS

PPM	%TILE
95	MAX
58	98
48	95
42	90
26	70
20	50
2	MIN

335 SAMPLES

PPM	%TILE
95	MAX
48	95
42	90
26	70
20	50
2	MIN

335 SAMPLES

0 20

KILOMETRES

GSC OPEN FILE 1954
CANADA - NEW BRUNSWICK
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

NEW BRUNSWICK 1989
NTS 21P/4 (W1/2)
21O/1 (E1/2)