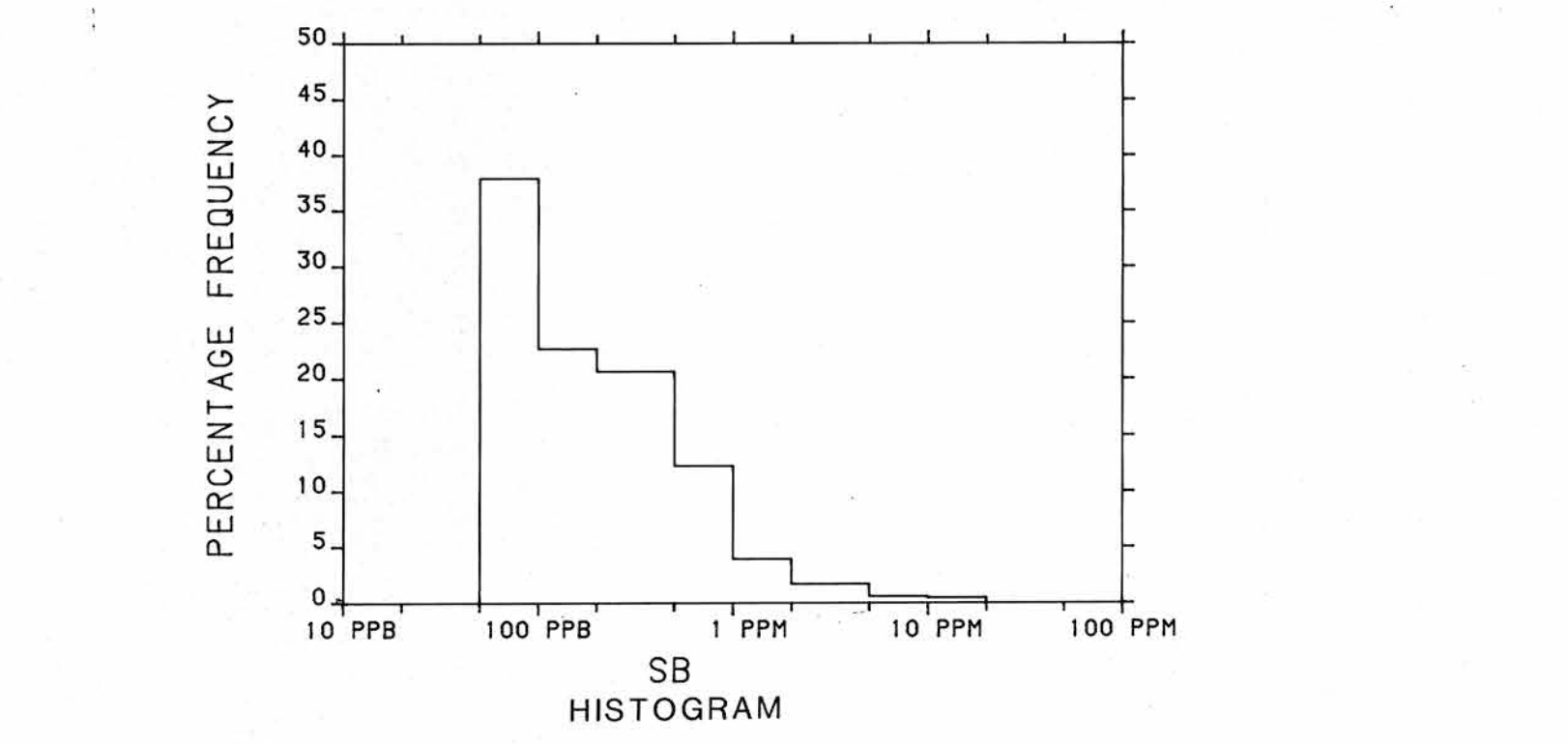
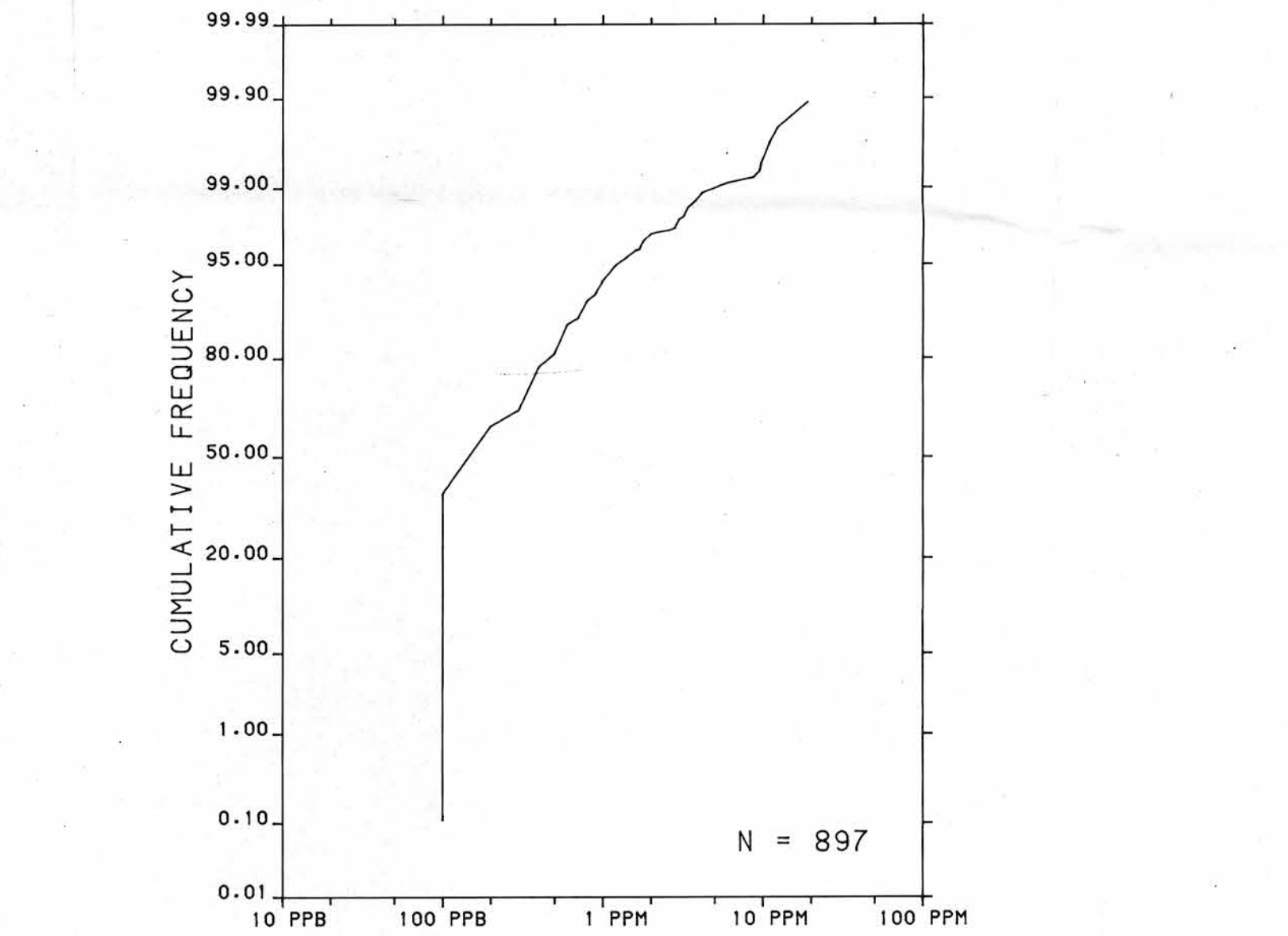
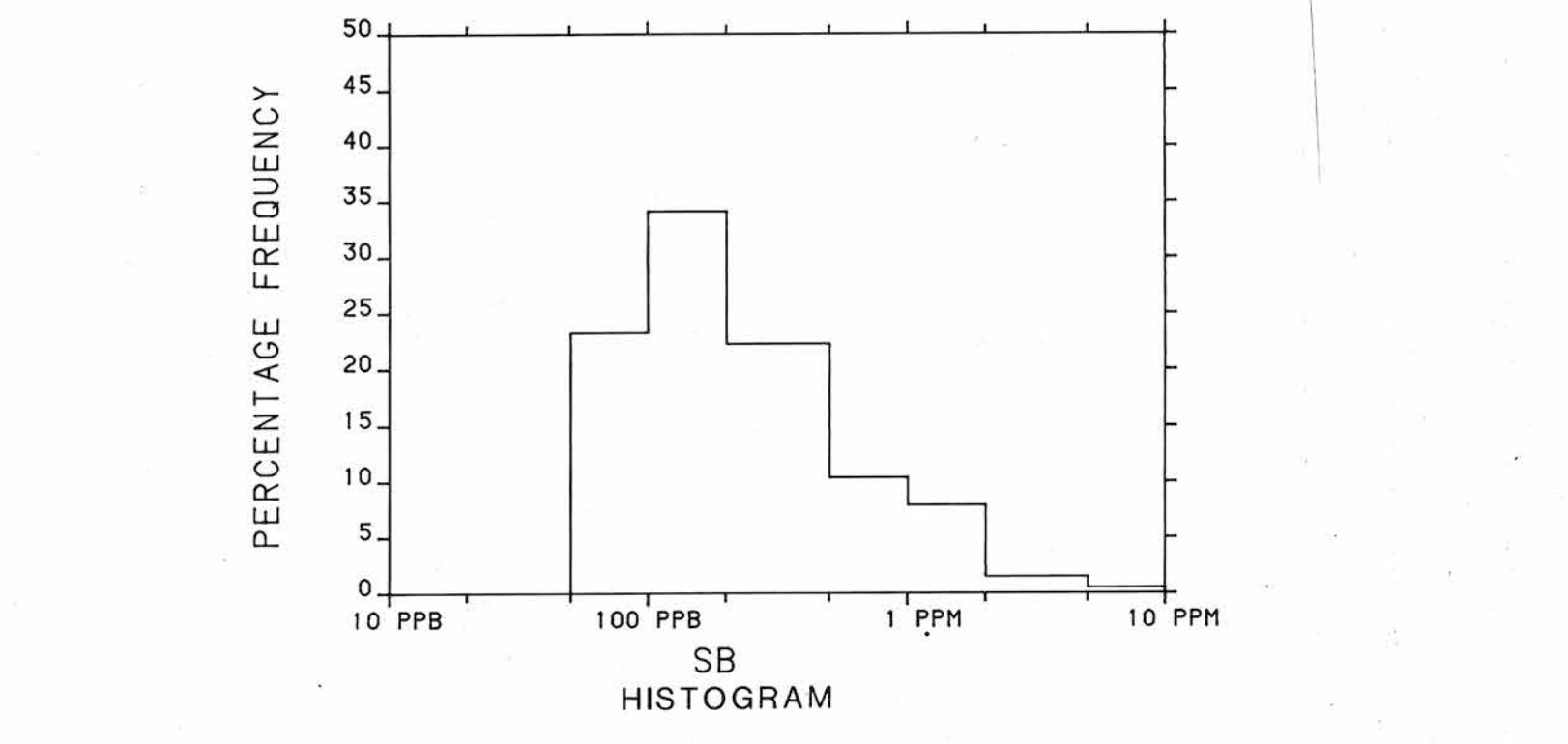
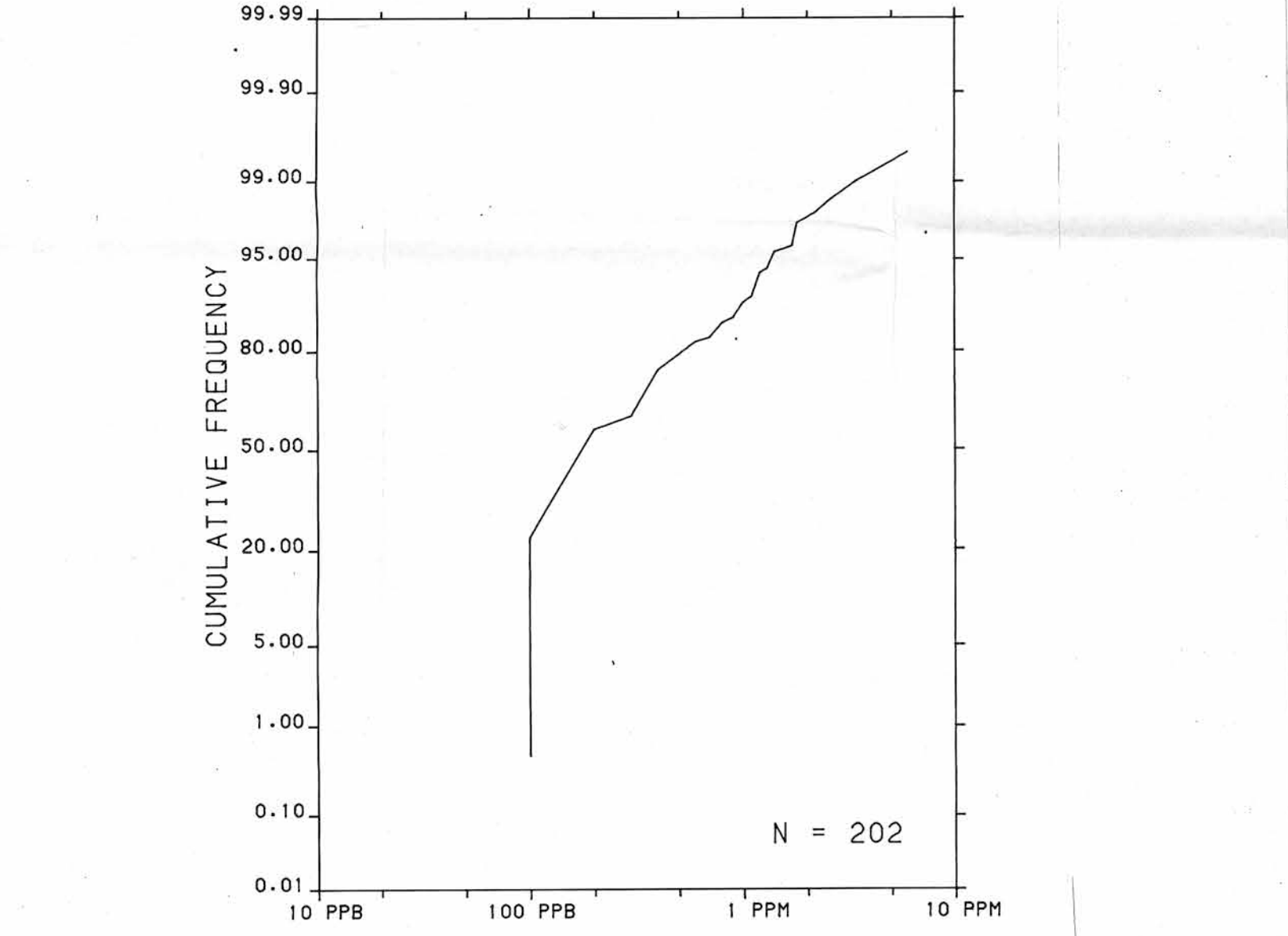


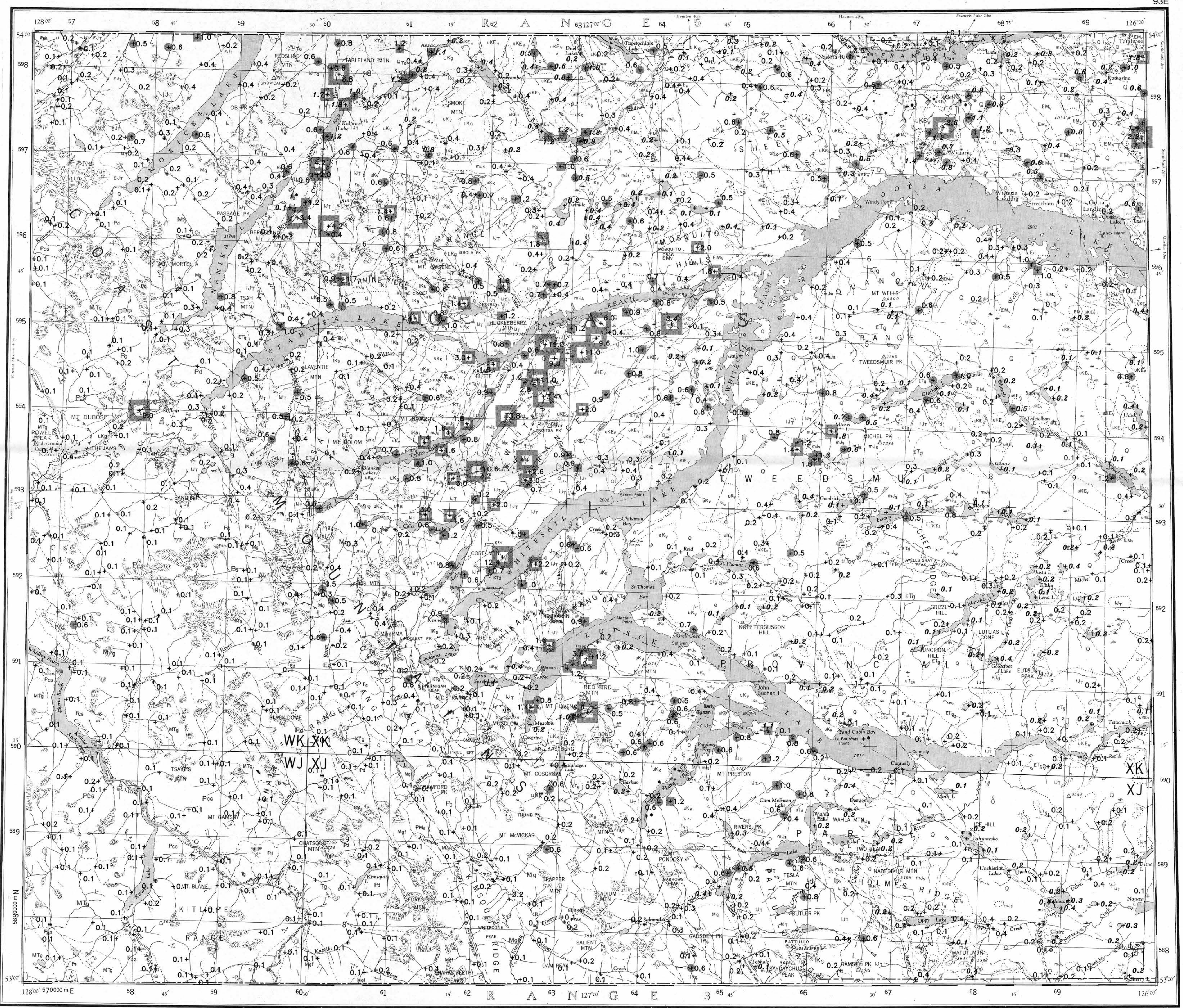
The regional geochemical trend map displayed above utilized a moving weighted average using an inverse distance function (1/d²) to filter out minor irregularities and emphasize broad-scale regional features. Single point anomalies may be suppressed or eliminated, however, geological units which are chemically enriched, or large metallic deposits undergoing weathering would be expected to produce identifiable anomalies.



CONCENTRATION	FREQUENCY
3.1 to 19.0	N = 17(1.9%)
1.3 to 3.0	N = 28(3.1%)
0.9 to 1.2	N = 36(4.0%)
0.5 to 0.8	N = 116(12.9%)
0.1 to 0.4	N = 700(78.0%)



CONCENTRATION	FREQUENCY
1.9 to 6.0	N = 4(2.0%)
1.5 to 1.8	N = 4(2.0%)
1.1 to 1.4	N = 12(5.9%)
0.5 to 1.0	N = 29(14.4%)
0.1 to 0.4	N = 153(75.7%)



ANTIMONY (ppm)
STREAM SEDIMENTS AND LAKE SEDIMENTS
GSC OPEN FILE 1360
REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 96-1986
CANADA-BRITISH COLUMBIA
MINERAL DEVELOPMENT AGREEMENT (1985-1989)
STREAM SEDIMENT, LAKE SEDIMENT, AND WATER GEOCHEMICAL SURVEY
CENTRAL BRITISH COLUMBIA, 1986
Scale 1:250 000 - Échelle 1/250 000
Kilometers 0 5 10 15 20 Kilomètres
Universal Transverse Mercator Projection
Projection transverse universelle de Mercator
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Base map at the same scale published by the Mapping and Charting Establishment, Department of National Defence in 1962. Streams were revised by the Geological Survey of Canada for this edition.

Mean magnetic declination 1987, 24°08' East, decreasing 15.0" annually. Readings vary from 23°40'E in the SE corner to 24°36'E in the NW corner of the map area

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British Columbia, Ministry of Energy, Mines and Petroleum Resources
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and
Geological Survey of Canada
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Sample preparation by Kamloops Research and Assay Laboratories, Kamloops
Sediment chemical analyses by Chemex Labs Limited, Vancouver
Water chemical analyses by Bondar Clegg and Company Ltd.,
Vancouver

Copies of map material and listings of field observations, analytical data and methods, from which the open file was prepared, are available from:

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Digital data are available on IBM-PC compatible diskette from:

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LEGEND
SYMBOLIZED ROCKS

QUATERNARY	PLEISTOCENE AND RECENT
Q	(TILL 44)* Glacial, alluvial and fluvial deposits
TERTIARY	
Ute	(BSLT 43) Olivine basalt
Ute	(BSLT 42) Flowing basalt; olivine basalt flows; breccia and sediment
ENDOW GROUP	
ENW	(ANDS 42) Massive, vesicular, amygdaloidal basalt and andesite; minor breccia and tuff
CRETACEOUS (?) AND TERTIARY	
Er	(RYLT 41) Rhyolite, quartz feldspar porphyry
JEV	(RYLT 41) Rhyolite and dacite flows, breccia and tuff; minor andesite, basalt and conglomerate
CRETACEOUS	
UKA	(RYLT 41) Dacitic to basaltic volcanics undivided; flows, basalt, and intermediate tuff and breccia
UKA	(RYLT 41) Rhyolite to andesite flows, breccia, tuff, and tuff; minor red conglomerate and sandstone
SKENA GROUP	
SKS	(SLSN 36) Micaceous sandstone, siltstone, shale; minor conglomerate
GAMER GROUP	
KG	(SLSN 36) Thick bedded andesite to rhyolite flows, tuff, and tuff; minor conglomerate, sandstone and siltstone
JURASSIC	
SLA	(SLA 34) ASHMAN FORMATION: Thin bedded shale, siltstone, sandstone, greenstone, clay shale; minor chert and minor conglomerate and tuff
LOWER AND MIDDLE JURASSIC	
HAZELTON GROUP	
SMITHS FORMATION	Felsopatac volcanic sandstone, greenstone, tuff, breccia, tuffaceous sediments; minor conglomerate, limestone, and tuff
WHITESEA FORMATION	Rhyolite flows, breccia and tuff; minor siltstone, sandstone
RED TUFF MEMBER	Red, maroon, purplish and green breccia and tuff
TELMA FORMATION	Variegated basaltic to rhyolitic tuff, breccia and flows; lesser volcanic sediments
TELMA FORMATION	light coloured rhyolitic to dacitic breccia and tuff
TRIASSIC	
WTR	(WCB 32) Green, grey breccia and red tuff of basaltic to andesitic composition; lesser volcanic sandstone, siltstone
PERMIAN AND/OR TRIASSIC	
PTR	(LWEN 24) (Lower Permian) Limestone, dolomitic limestone with chert nodules, fossiliferous green volcanic clastics; (Upper Triassic) black shale and calcareous siltstone, limestone-dolomite conglomerate
PERMIAN AND/OR OLDER	
Pn	(GNS 10) Felsic, mafic tuff and volcanic sandstone, andesite, amphibolite, quartz, quartz, felsic gneiss, gneiss and schist
PALEOZOIC (?)	
PG	(GNS 10) Felsic and mafic tuff and volcanic sandstone, andesite, amphibolite, quartz, quartz, felsic gneiss, gneiss and schist
PS	(GNS 10) Quartz feldspar, biotite, hornblende schist, amphibolite, lesser granitoid gneiss, quartz and schist
PGS	(GNS 10) Granitoid gneiss, amphibolite, schist
QUANTIFIED ROCKS	
TERTIARY	
EN	(GNT 42) GOSLY LAKE INTRUSIONS: Porphyritic gabbro and diorite
Eg	(GNT 42) Granite, quartz monzonite, quartz porphyry, felsic partly equivalent to Banks Intrusions
PALEOGENE AND EOCENE	
Etg	(GNT 42) Granite to quartz diorite feldspar porphyry, lesser non-porphyrific phases; partly equivalent to Banks Intrusions
Tg	(GNT 42) Granite, quartz monzonite, granite; lesser gneiss and amphibolite
CRETACEOUS AND/OR TERTIARY	
KTA	(GROR 36) Diorite, gabbro, microdiorite, syenodiorite; partly equivalent to Kaslo Intrusions
Ktg	(GROR 36) Granite, quartz monzonite, quartz diorite; lesser granite, generally non-porphyrific
CRETACEOUS	
LKA	(GROR 36) Granodiorite, quartz diorite, monodiorite, and andesite; partly equivalent to Bulkley Intrusions
MESOZOIC AND/OR CENOZOIC	
MTg	(GRD 41) Granodiorite, quartz monzonite, quartz diorite; lesser granitoid gneiss, amphibolite
Mg	(GRD 41) Green, chloritized quartz diorite and granodiorite; non- to weakly-foliated
Mgr	(GRD 41) Green, chloritized quartz diorite; well foliated; lesser augen gneiss and chlorite schist
JURASSIC	
LUT	(QNZ 34) TUPLEY INTRUSIONS: Porphyritic, pink, quartz monzonite, granodiorite; quartz monodiorite
PALEOZOIC (?)	
Pn	(DART 10) Thin bedded, rusty-weathering siliceous porphyritic volcanic, rhyolite, sandstone; minor limestone (may also be coded as GRD 41)
Pg	(DART 10) Diorite, quartz diorite and gabbro complex; lesser mafic gneiss, amphibolite and greenstone; includes Tanta and Blackstone Complexes

*A mnemonic code assigned to rock types and recorded as part of field observations.

SYMBOLS

Geological boundary (defined; approximate and assumed)	.....
Drift boundary	.....
Fault (defined; approximate, assumed)	.....
Thrust or slip angle reverse fault (defined, approximate, assumed)	.....
Bedding (horizontal, inclined, vertical)	.....
Foliation, schistosity (inclined, vertical)	.....
Minor fold axis, mineral lineation (inclined)	.....
Anticline, anticform	.....
Syncline, synform	.....
Field duplicate sample sites	.....

Geological bases and legends are derived from:
Metcalf, S.J. (compilers) 1980. Geology of British Columbia (Map Area 936), Geological Survey of Canada, Open File 706.