

**TILL GEOCHEMISTRY OF THE
CHILANKO FORKS, CHEZACUT,
CLUSKO RIVER AND TOIL
MOUNTAIN MAP AREAS, BRITISH
COLUMBIA (NTS 93C/1, 8, 9 & 16)**

By R.E.Lett, S.J.Cook and V. Levson

GEOFILE 2006 - 1



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TILL GEOCHEMISTRY OF THE CHILANKO FORKS, CHEZACUT, CLUSKO RIVER, AND TOIL MOUNTAIN AREAS (NTS 93C/1, 8, 9 & 16)

By Ray Lett¹, Stephen Cook², and Victor Levson³

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INTRODUCTION

Till geochemical surveys applied to mineral exploration rely on detecting fragments of mineralized bedrock and/or heavy minerals as part of dispersal trains in glacially transported sediments. Surveys carried out previously in the Nechako Plateau (*e.g.* Levson, 2002) have clearly demonstrated that precious and base metal mineralization can be found in central BC using drift prospecting. This report presents unpublished till geochemical data from surveys carried out in the eastern part of the Anahim lake map sheet (NTS 93C). The surveys were conducted in 1992 as part of a BC Geological Survey Interior Plateau project funded by the Canada - British Columbia Mineral Development Agreement (1991-1995). During surficial mapping of four 1:50 000 scale map areas (NTS 93C/1, 8, 9 & 16) by Proudfoot and Allison (1993a, b) and Giles and Kerr (1993a, b), a total of 331 bulk till and colluviated till samples were collected. The samples were analyzed for elements by instrumental neutron activation (INAA), aqua regia digestion – inductively coupled plasma emission spectroscopy (aqua regia/ICP-ES) and lithium metaborate fusion - ICP-ES. Due to a lack of resources, the geochemical results of these surveys were not published. Recent interest in the Nechako plateaus has provided the impetus to compile and release this data. The location of the four map areas, covering an estimated 3600 km², is shown in Figure 1.

PHYSIOGRAPHY

The study area occurs entirely within the Fraser Plateau, in the west-central part of the Interior Plateau (Holland, 1976). In the study area, the plateau is approximately 1100 to 1400 m above sea level and is dissected by rivers such as the Tatla Lake, Chilanko, Clisbako, Chilcotin, Clusko and Baezaeko rivers which drain easterly through the region. The plateau has flat to gently rolling topography broken by occasional ridges or mountains rising up to elevations of about 1700 m. The undulating landscape and scattered mountains (*e.g.* Arc, Toil and Thunder Mountains) are typical of BC's Interior Plateau. Locally features such as hummocky moraine, flutings, dumplins and eskers reflect the effects of Pleistocene glaciation in the area.

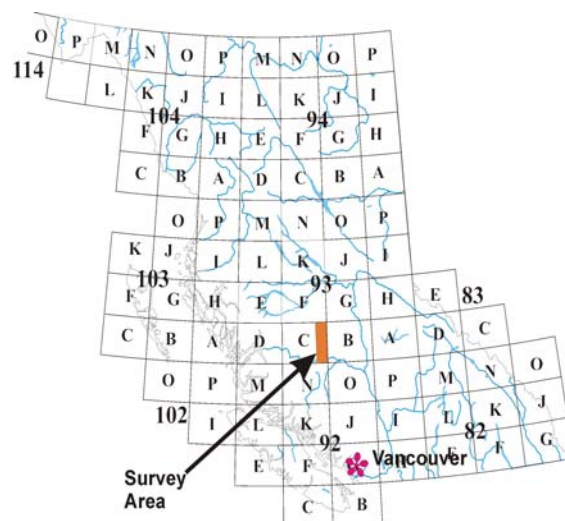


Figure 1. Location of the till geochemistry survey area. The Chilanko Forks (93C/1), Chezacut (93C/8), Clusko River (93C/9) and Toil Mountain (93C/16) map sheets are indicated by the shaded region.

BEDROCK AND ECONOMIC GEOLOGY

The bedrock geology of the survey area is summarized in Figure 2. The oldest rocks are andesite, basalt, tuff and breccia of the mid Jurassic Hazelton Group. These rocks outcrop mainly in the southern part

¹British Columbia Ministry of Energy, Mines and Petroleum Resources, PO Box 9333 Stn. Prov. Govt., Victoria, BC, V8W 9N3 (email: Ray.Lett@gov.bc.ca)

² Cook Geochemical Consulting, 5-3342 Mary Anne Crescent, Victoria, B.C. V9C 3S7 (email: Stephen_Cook@telus.net)

³British Columbia Ministry of Energy, Mines and Petroleum Resources, PO Box 9333 Stn. Prov. Govt., Victoria, BC, V8W 9N3 (email: Vic.Levson@gov.bc.ca)

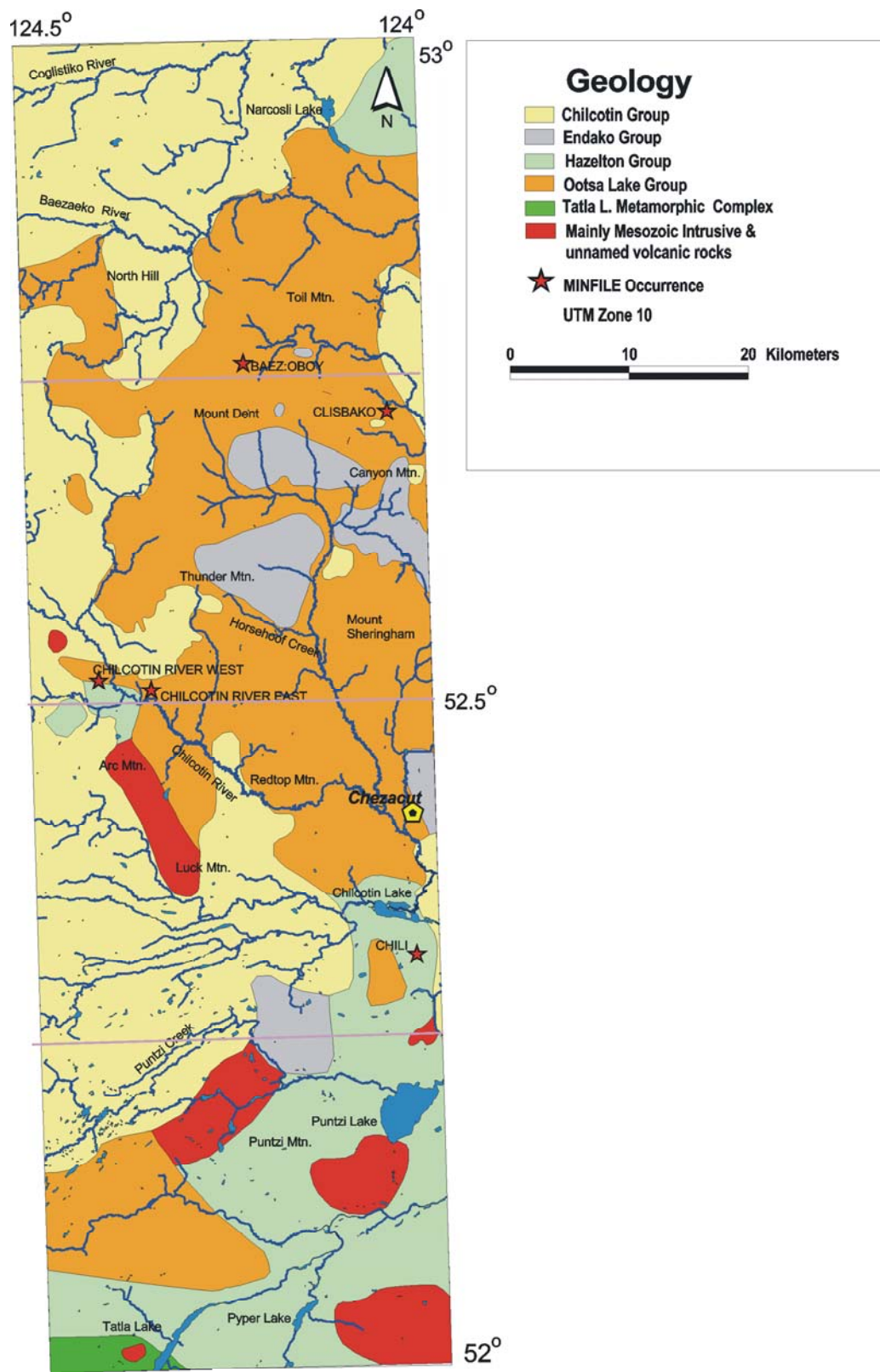


Figure 2. Geology of the survey area (by aqua regia-ICP). Key topographic features in the region are identified on the map.

of the survey area and are intruded by granodiorite and granite of the Coast plutonic suite. Covering much of the area are Eocene and Miocene volcanic rocks. Metcalfe and Hickson (1995) separated the Eocene Clisbako volcanics into four lithological assemblages comprising 1) plagioclase-augite dacite flows, 2) biotite-bearing rhyolite flows and flow breccias, 3) quartz porphyry bodies and 4) amygdaloidal lavas. The youngest rocks in the area are Miocene Chilcotin Group basalt flows that fill the river valleys. Metcalfe and Hickson (1995) suggested the Eocene volcanic rocks originated from a pyroclastic eruption in a large (50 km diameter) caldera centered approximately on Clisbako Lake.

There are presently five documented mineral prospects in the survey area. All have been classified as epithermal Au-Ag low sulphur deposits or have the characteristics of this style of mineralization.

The following descriptions have been provided by the MINIFILE database.

Chili or Punt Showing (MINIFILE 93C/11): This showing is underlain by the Hazelton Group, which has been largely covered by Lower Tertiary volcanic rocks of the Ootsa Lake Group, Miocene plateau basalt and Pleistocene glacial sediments. Intruding the Hazelton Group are several complexes of diorite, granodiorite and migmatitic rocks. The showing is underlain by mafic to intermediate autobrecciated and nonbrecciated hornblende-pyroxene Hazelton Group lavas that have been intruded by feldspar and quartz-feldspar porphyry dikes. The volcanic rocks comprise an unaltered phase, an epidotized phase and a quartz-altered phase that has chalcedonic quartz stringers associated with shear zones. The shear zones strike between 50 and 100 degrees with an 80 degree north to vertical dip.

Mineralization consists of argentiferous and auriferous chalcopryite in low temperature banded quartz veins and the chalcedonic stringers. Secondary malachite and azurite are also present in these quartz veins. Minor pyrite and chalcopryite occur within the porphyry dikes. Gold-Ag mineralization occurs in the Chili, Rose and the Birthday zones. The Chili zone is a northeast trending set of quartz veins (up to 1 metre wide) and stockworks (up to 4.5 metres wide). These crosscut conglomerate, siltstone and lapilli tuffs. A sample of vuggy quartz-veined conglomerate assayed 19.1 grams per tonne Au and 574.5 grams per tonne Ag. This zone has an inferred length of about 90 metres. The northeast trending Rose zone, 140 metres long and 10 metres wide, consists of intensely silicified and quartz veined tuffs. The highest sample from subcrop was 0.96 grams per tonne Au and 24 grams per tonne Ag. The Birthday zone is about 3 kilometres southwest of the

Chili zone and projects toward it along strike. This zone consists of intensely silicified clay and potassically altered volcanoclastic and possibly sedimentary rocks.

Chilcotin River East and West (MINIFILE 93C/13 & 14) The Chilcotin River East showing is underlain by rocks of the Hazelton, Ootsa Lake and Endako Groups, and overlain by Miocene plateau basalt. Hazelton Group volcanic and related sedimentary rocks are intruded by small foliated granodiorite and diorite complexes. Younger undeformed quartz porphyry dikes cut these older rocks. At the Chilcotin River East showing Cu mineralization is hosted by Ootsa Lake intermediate to felsic volcanic and related rocks.

Baez, Oboy, Camp, Ridge (MINIFILE 93C/15) The Oboy occurrence is hosted by bleached, flat-lying Lower Tertiary Ootsa Lake Group andesite flows, flow breccias and minor tuffs. The rocks are fractured in a predominant north and north-northeast direction with a minor fracture pattern striking east. The Camp zone is a broad north-northeast trending zone of pervasively bleached, pyritic, potassium feldspar flooded andesitic flows and flow breccias. Weathering and oxidation extends, on average, to a depth of 35 metres. Within the bleached area are more restricted steeply dipping zones of quartz-pyrite veining, brecciation and pervasive quartz-sericite alteration which are associated with anomalous As Ag and Au. Silicification occurs most commonly as numerous, vuggy quartz-pyrite druses. Chlorite and calcite occur as fracture-fillings. Highest metal values reported in a 2.0 metre drill core sample are 6.2 grams per tonne Ag, 0.32 grams per tonne Au and 995 ppm As.

Clisbako (MINIFILE 93C/1) The Clisbako property is underlain by a well-differentiated sequence of Eocene subaerial, basaltic to rhyolitic tuffs, flows and volcanic breccias (Ootsa Lake Group equivalent). Remnants of a younger (possibly Oligocene) rhyolitic ash-flow tuff unconformably overlie the Eocene volcanics in the east-central part of the property and cover a more extensive area immediately to the south. Flat-lying, red, scoriaceous and black vesicular basaltic flows of Oligocene and Miocene age underlie a relatively broad, flat region extending north and east of the property. Extensive normal (extensional) faulting has affected the Eocene volcanics producing an array of variably tilted blocks.

There are at least three major (North, Central, South) and several weaker hydrothermally altered zones characterized by widespread bleaching and argillic alteration accompanied by a pervasive, moderate to strong stockwork of quartz veinlets and microveinlets. Extensive zones of multistage, intense veining, silicification and brecciation are developed. Very fine-

grained pyrite, marcasite and arsenopyrite locally are present in amounts up to 5 per cent. Two hot spring (tufa) deposits are also located on the property.

The Central alteration zone is 500 metres south-southeast of the North zone, and the South zone is 2000 metres south of the North zone. The North and South zones have an apparent true width of 350 to 400 metres; the Central zone is at least 150 metres wide. Two smaller zones referred to as the Trail zone and Discovery zone occur along the projected strike of the South zone, approximately 400 and 1200 metres respectively, to the northeast. Two broad, weaker alteration zones occur along the projected strike of the North zone, centred approximately 1500 and 2000 metres respectively to the southwest.

Outcrop is sparse on the property and is confined to main gullies and incised drainages. Eight lithological units have been mapped. Units 1 to 6 are faulted and variably tilted Eocene volcanics which are unconformably overlain by flat-lying to gently dipping, rhyolitic ash-flow tuffs (unit 8) with a local basal, densely welded, dacitic tuff member (unit 7). Unit 8 overlies lacustrine-type sediments (unit 6). Unit 1 consists of platy, light to medium green, fine-grained andesitic tuffs. The unit appears to be the main host in the Discovery zone, Trail zone, South zone and possibly the North zone. Unit 2 consists of interbedded dark grey dacitic tuff, green andesitic tuff and laminated maroon/purple/green tuff and/or tuffaceous siltstone. Unit 3 is a white to grey, dense, rhyolitic ash-flow tuff with a very finely laminated siliceous matrix; the unit is the principal host in the Central zone. Intensely altered varieties of this unit may also be present in the North zone. Unit 4 comprises medium to dark green, fine-grained, andesitic to basaltic flows. Unit 5 is basaltic in composition, fine grained, dark grey-green flow unit, which may be a member of Unit 4. Unit 6 consists of grey to brown mudstone/siltstone with abundant carbonized plant fossils and appears to be overlain by flat-lying ash-flow tuffs of unit 8. Unit 7 comprises grey, dacitic tuff and is interpreted to be a tightly welded basal member of unit 8. Unit 8 is interpreted to unconformably overlie units 1 to 5 and consists of flat-lying, white to cream-coloured, platy felsic crystal tuffs.

The alteration zones appear to have developed along complex, steeply dipping, north to northeast trending fault structures and many appear to be controlled by a series of closely-spaced, subparallel faults rather than a single major structure. The main alteration zones appear to have a long history of development, characterized by episodic periods of strong, resurgent, hydrothermal activity which resulted in several stages of fracturing, brecciation, veining and silicification.

Some phases of quartz veining and silicification are sulphide-poor while others are sulphide-rich. Pyrite is the main sulphide present, but generally is extremely fine grained and difficult to recognize. Marcasite,

arsenopyrite and pyrargyrite have also been identified. In general, better Au-Ag values occur in quartz veins which show some banding or in silicified sections which display several stages of brecciation. Carbonate minerals are rare, but coarse bladed carbonate replaced by quartz has been noted in a number of locations. In most zones, argillic alteration accompanied veining and silicification but as silicification advanced, previously argillic altered units became silicified. In the North zone, rock geochemical values average more than 0.3 grams per tonne Au ranging to a high of 1.07 grams per tonne; Ag values are in the 5 to 10 gram per tonne range. In the Central or "Ruby" zone, Ag values up to 97.7 grams per tonne have been obtained; Au assayed up to 1.09 grams per tonne. Pyrargyrite was observed in two outcrops in the Central zone" (Dawson, 1991).

SURFICIAL GEOLOGY

The surficial geology of the study area was mapped at a scale of 1:50,000 by Proudfoot and Allison (1993a, b) and Kerr and Giles (1993a, b). The dominant surficial material in the region is a silty to fine sand diamicton, interpreted as till, that forms a variable, but typically 1 to 2 m thick, blanket across much of the area (Figure 3). Surface exposures of till are up to 10 metres thick. Surface tills are typically moderately dense, massive, silty sand diamictons, locally with lenses and beds of sorted sediments. Giles and Kerr (1993) interpreted these deposits as englacial or supraglacial tills formed during glacial retreat and stagnation. Massive, dense, clay-rich diamictons, occurring in the subsurface and observed in exposures, were interpreted to be basal meltout or lodgement till deposited during ice advance. Basal tills consist dominantly of locally-derived materials whereas englacial and supraglacial tills contain relatively far-travelled debris. The scarcity of recessional moraines in the region (Figure 4) and abundance of hummocky topography suggests that widespread ice stagnation occurred. As a consequence, there are large areas where little basal till occurs at the surface and follow-up till geochemical programs will require the use of specialized techniques (Levson, 2001).

Glaciofluvial outwash and fluvial deposits are found along most river valleys and in meltwater channels (Figures 3 and 4). Well-sorted sand deposits are fairly common at the base of larger meltwater channels such as those now occupied by the Chilcotin, Chilanko and Baezaeko rivers. Terrace gravels in these valleys are typically 1 to 5 m thick deposits but attain thicknesses of 20 m in the Chilcotin River valley. Glaciofluvial deposits in the region also include isolated eskers and esker complexes. The latter are sand and gravel ridges that branch and rejoin in braided patterns with intervening kettle depressions. A particularly large esker complex in the Chilanko River valley is 8 km long, 1 km wide and up to 30 metres high. More

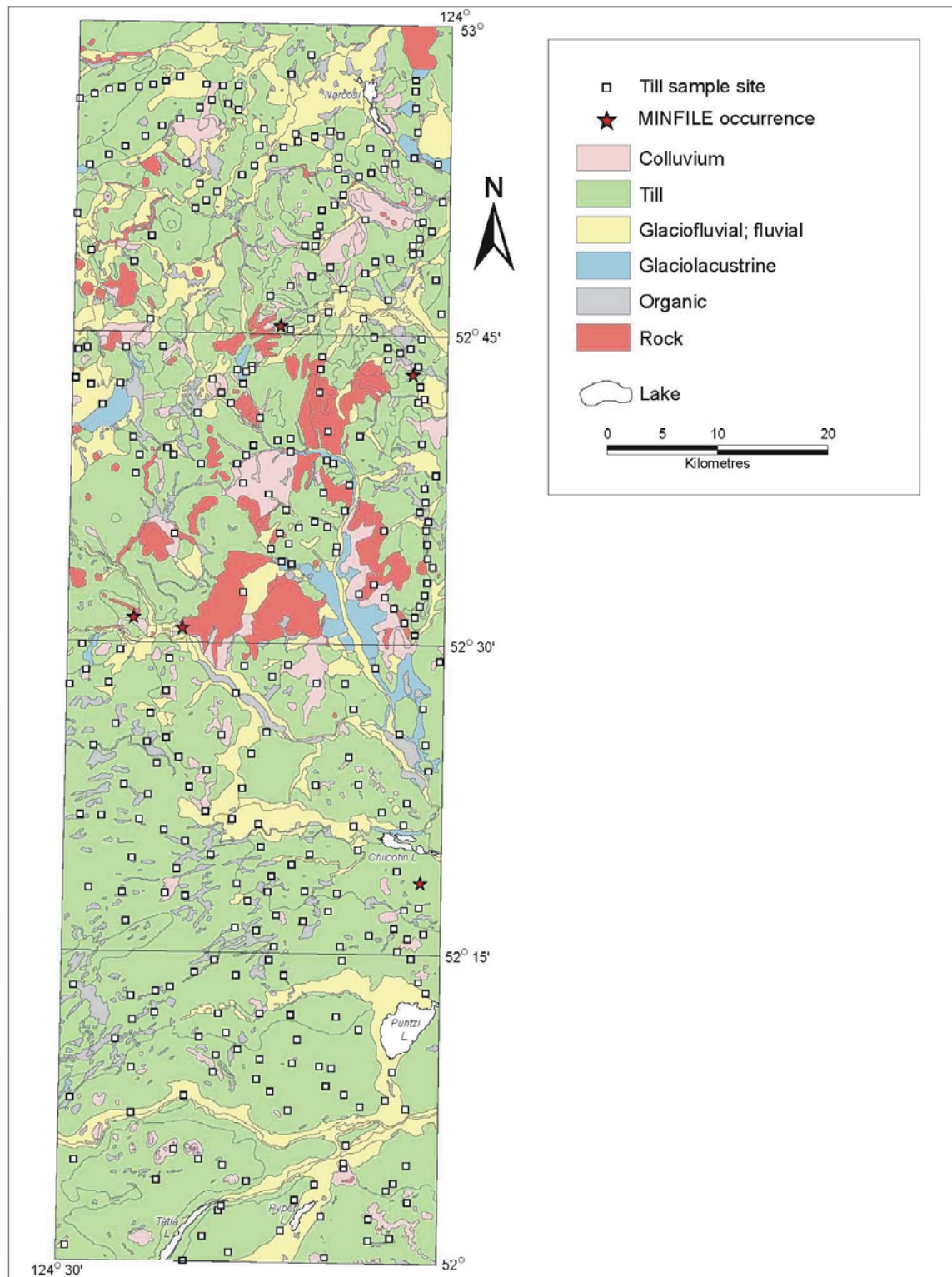


Figure 3. Surficial geology based on mapping by Proudfoot and Allison (1993a, b) and by Giles and Kerr (1993a, b).

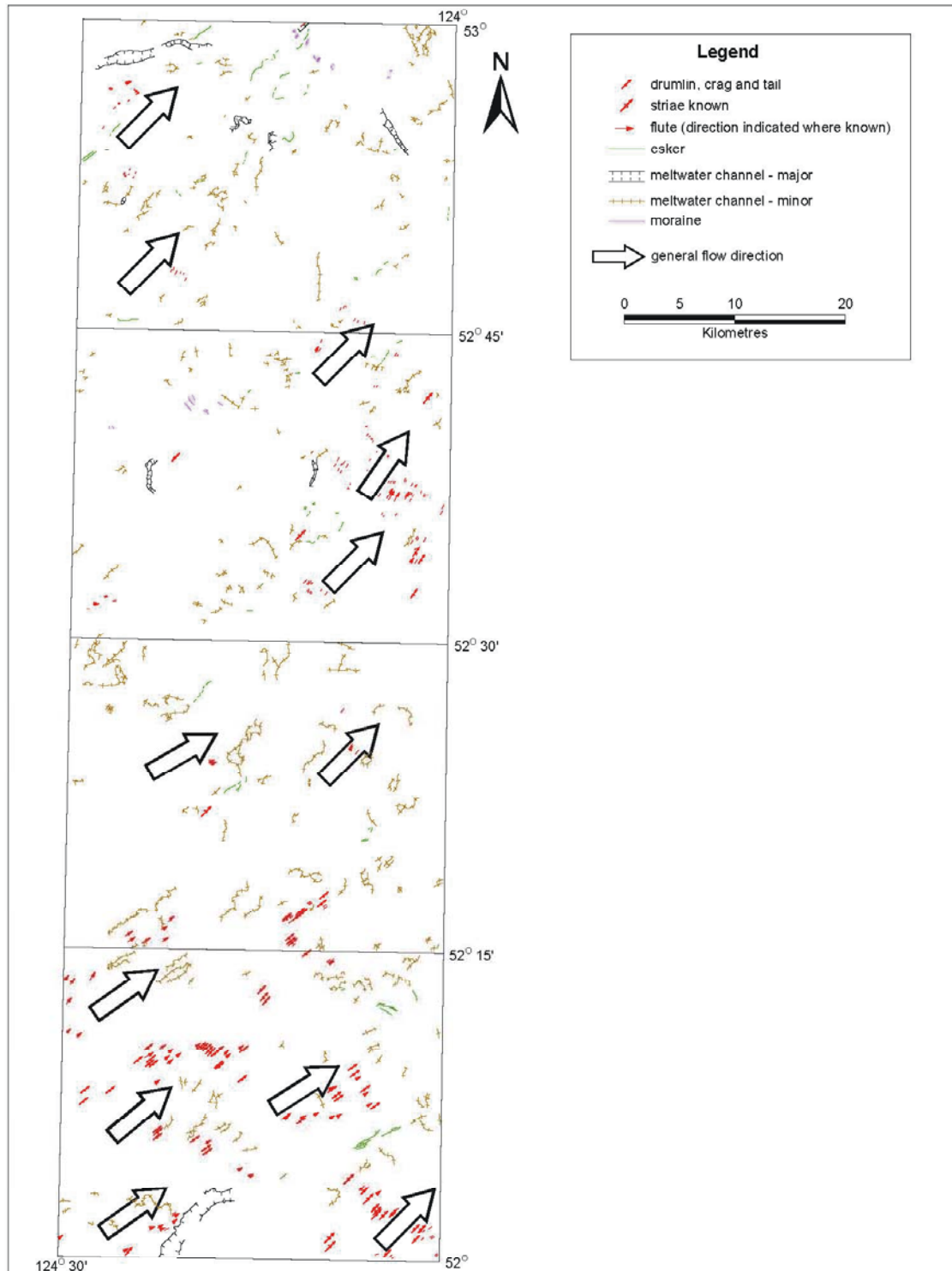


Figure 4. Surficial geology based on mapping by Proudfoot and Allison (1993a, b) and by Giles and Kerr (1993a, b).

typically, esker complexes are 50 to 400 m wide and 500 to 1500 m long, with individual ridges 5 to 15 m high (Giles and Kerr, 1993). Most eskers and esker complexes in the study area trend easterly to northeasterly (Figure 4) suggesting that late subglacial and englacial meltwater flows were topographically controlled.

Other surficial sediments in the study region include glaciolacustrine sediments, organic deposits and colluvial sediments (Figure 3). The largest area of glaciolacustrine deposits occurs along the Clusko River valley as a ubiquitous blanket of parallel-laminated sands, silts and clays up to 8 m thick (Proudfoot and Allison, 1993a, b). Relatively large areas of bedrock and colluvium occur in the Clusko River map area (NTS 93C/9) around topographic highs such as Thunder Mountain and Mount Dent (Figure 3). A loose cover of weathered and broken bedrock near the mountain tops grades downhill into a thin veneer of colluvial diamicton and till. Organic deposits are common throughout the region in low lying, poorly drained sites both on the plateau and within broad valleys and meltwater channels (Figure 3). Organic deposits consist mainly of decayed marsh vegetation with minor sand, silt and clay. Eolian sediments are relatively uncommon in the region except overlying glaciolacustrine and some glaciofluvial deposits where they occur widely as eolian veneers and low-relief, sand dunes.

QUATERNARY GEOLOGY

The oldest reported Quaternary sediments in the study area are sands and gravels unconformably overlain by 1 to 2 m of till on the upland between Tatla Lake Creek and Pyper Lake (Giles and Kerr, 1993). These coarse-grained sediments are more than 5 m thick and are interpreted as glaciofluvial outwash deposited during the advance of Late Wisconsinan glaciers in the region. Although common in other parts of the Cordillera (Clague, 1989), sediments deposited prior to the Late Wisconsinan are rarely observed in the Interior Plateau. Tipper (1971b) documented westward dispersal of erratics from the interior to the Coast Mountains that he attributed to an earlier, more extensive glaciation. However, Giles and Kerr (1993) and Proudfoot (1993) did not find evidence for any previous glaciations in the study region. Likewise, interglacial sediments underneath till are rarely observed in the region (Plouffe and Levson, 2001).

During the peak of the Fraser glaciation, the study area was entirely covered by ice that advanced northeasterly from the Coast Mountains across the Interior Plateau. A widespread cover of dense basal till was deposited at this time and numerous drumlins and flutings developed. At least one late-glacial readvance of ice from the Anahim Lake region may have reached

the westernmost edge of the study area (Tipper, 1971a). During deglaciation, large regions of the ice sheet stagnated resulting in the widespread deposition of englacial and supraglacial meltout tills at surface, especially in areas of hummocky moraine. Also during deglaciation, numerous subglacial meltwater channels, eskers and esker complexes developed under the stagnating ice. Glaciofluvial sands and gravels were also deposited as thick sequences in channels and in outwash plains in front of the ice. Glacial lakes formed locally where meltwater was dammed by stagnant ice such as in the the Clusko River valley region (Giles and Kerr, 1993; Proudfoot, 1993). In the Holocene, many glaciofluvial deposits were incised and reworked by modern rivers. Organic deposits also accumulated in low lying areas during the Holocene. Colluviation has been ongoing in steep upland areas since the retreat of ice, forming thin diamicton veneers on slopes (Giles and Kerr, 1993).

ICE FLOW HISTORY

During the Late Wisconsinan Fraser glaciation, the study area was covered by ice that originated in the Coast Mountains and flowed north, northeast and east onto the Interior Plateau (Tipper, 1971b). Ice flow indicators with similar trends at many high elevation locations suggest that the ice was thick enough to flow largely undeterred by topographic features at the glacial maximum. Glaciers from the Coast Mountains extended as far east as the Fraser River before meeting ice flowing west and northwest from the Cariboo Mountains. The two ice masses coalesced and flowed generally northwards (Tipper, 1971b). More variable ice flow trends at lower elevations in the Anahim Lake region, suggest that during deglaciation, ice flow was increasingly controlled by topography as the glaciers thinned.

The orientations of drumlins, flutings and striae on bedrock (Figure 4) indicate that the dominant ice flow direction during the last glaciation was east-northeasterly (050° - 065°) in the the southern part of the study area and gradually shifted to north-northeasterly (020° - 030°) in the north part (Tipper, 1971a, b; Giles and Kerr, 1993; Proudfoot, 1993). In the Chilanko Forks map area (NTS 93 C/1) large-scale flutings and drulins indicate a flow toward the northeast (050° - 065°). Glacial striae in the southeast corner of that map sheet trend between 059° and 082° and may reflect lower elevation, topographically influenced, ice flow during the waning stages of glaciation (Giles and Kerr, 1993). In the Clusko River map area (NTS 93 C/9), Proudfoot (1993) found striae and flutings trending 020° - 025° . Few ice flow indicators have been documented in the Toil Mountain map area (NTS 93 C/16) but Proudfoot and Allison (1993b) mapped north-northeasterly trending flutings south of North Hill and northeasterly

(040°-065°) trending flutes in the northwest part of that map area.

A later readvance initially identified by Tipper (1971a, b), appears to have covered much of the Anahim Lake map area (NTS 93C) and is postulated to have reached the westernmost edge of the study area. This event, named the Anahim Lake advance, originated to the west in the Coast Mountains and flowed onto the plateau where it spread out to the north, east and southeast. It is the eastward limit of this ice, identified by Tipper (1971b) on the basis of differential ice-flow directions and pitted or kettled terrain, that is believed to have reached the study area (Giles and Kerr, 1993). This readvance apparently effected only the westernmost part of the region in the southwest corner of 93 C/9 (Figure 4) where a few easterly-trending (~080°) flutings were recognized by Proudfoot (1993). Tipper (1971a, b) also attributed a few northeast trending flutes in the northwest corner of the Toil Mountain map area (NTS 93 C/16) to the Anahim Lake readvance.

A second late glacial readvance may also have entered the Chilanko Forks map area (NTS 93C/1) through the Tatla Lake valley (Tipper, 1971a; Giles and Kerr, 1993). This Kleena-Kleene advance originated from the south and was topographically controlled as it flowed north and northeast along the Tatla Lake, Tatlayoko Lake, Kleena-Kleene and Chilko valleys. Tipper (1971a) placed the limit of this advance on the slopes along Tatla Lake Creek at an elevation of 1065 to 1220 metres.

Till sampling, preparation and analysis

Three hundred and thirty one bulk sediment samples (1-5 kg) were collected at an average density of one sample per 10.6 km². Sample locations are shown in Figure 3 and in Appendix 3. Proudfoot and Allison (1993a, b) collected the samples in 93C/9 & 16; Kerr and Giles (1993a, b) collected the samples in 93C/1 & 8. Most of the samples taken for geochemical analyses were collected from basal till which is the preferred sample medium for regional till geochemical surveys of this type (Levson, 2001). Although emphasis was placed on collecting basal till samples, ablation till, colluviated till and colluvium were also collected under certain circumstances. Natural exposures and hand excavation were used to obtain samples, including field replicates, from undisturbed, unweathered C horizon (parent material) deposits.

Till samples were air dried, split and sieved using stainless steel sieves at the British Columbia Geological Survey, Victoria laboratory. The -230 mesh (< 63

micron) fraction of each sample was analyzed for Au, As and Sb and a suite of trace and rare earth elements by instrumental neutron activation analysis (INAA) at Activation Laboratories Ltd., Ancaster Ontario, and for Cu, Zn and other trace elements by inductively coupled plasma-atomic emission spectroscopy (ICP-ES) at ALS Chemex Labs Ltd., North Vancouver. A number of the till samples were also analysed by Acme Analytical Labs, Vancouver for eleven major element oxides and five minor elements by lithium borate (LiBO₂) fusion-ICP-ES and also for loss on ignition. One split from each sample was reserved for grain size and other additional analyses.

Neutron Activation Analysis

INAA analysis was conducted on an approximately 30 gram sample split. This analytical technique involved irradiating the sample for 30 minutes in a neutron flux of 7×10^{11} neutrons/cm²/second. After a decay period of approximately 1 week, gamma-ray emissions for the elements were measured using a gamma-ray spectrometer with a high-resolution, coaxial germanium detector. Counting time was approximately 15 minutes per sample and the results were compiled on a computer and converted to concentrations. The elements and their stated detection limits are listed in Table 1.

Acid Digestion – Inductively Coupled Plasma Emission Spectroscopy

All elements except mercury were determined by inductively-coupled plasma-atomic emission spectroscopy (ICP-ES). A 1.0 g sample was digested with concentrated nitric and aqua regia acids for two hours at medium heat, diluted to 25 ml with distilled water, mixed and analyzed using a Jarrell Ash 1100 plasma spectrometer. Analytical results were corrected for spectral interferences. Unlike INAA, this partial acid digestion will not completely dissolve many of the elements reported here, including Al, Ba, Be, Ca, Cr, K, Mg, Na, Sc, Sr and Ti. Mercury was determined by cold vapour atomic absorption spectroscopy (AAS). A 1.0 g sample was digested with concentrated nitric-aqua regia acids for two hours, diluted to volume, and homogenized. An aliquot of the solution was transferred to a reaction flask connected to an absorption cell. Stannous chloride was added to reduce the Hg prior to measurement by cold vapour-AAS. Detection limits for elements are listed in Table 1.

Lithium metaborate fusion – Inductively Coupled Plasma Emission Spectroscopy

A total of 249 till samples were analysed for major element oxides and minor elements. This number

Table 1. Instrumental detection limits and percent relative standard deviation (% RSD) for repeat (n= 4) analyses of CANMET standards (STSD 1 and STSD 3) and GSB standards (B2) and analyses of GSB standard B4 (n=6). (IC = inductively coupled Plas emission spectroscopy; NA = instrumental neutron activation analysis; nc = not calculated.

Element	Dect'n Limit	STSD 3 Mean	STSD 3 %RSD	STSD 1 Mean	STSD 1 %RSD	B4 Mean	B4 %RSD	B2 Mean	B2 %RSD
Ag_IC_ppm	0.2	0	40	0	nc	38	3	0	nc
Al_IC_%	0.01	2	4	1	8	0	18	1	6
As_IC_ppm	0.5	28.3	7.8	22.3	4.3	190.0	6.1	7.3	12.3
As_IN_ppm	1	28	8	22	4	190	6	7	12
Au_NA_ppb	2	33	174	11	40	220	4	43	8
Ba_IC_ppm	10	493	63	290	7	63	40	141	39
Ba_IN_ppm	50	1500	20	720	4	9775	1	1129	12
Be_IC_ppm	0.5	0	nc	nc	0	nc	0	0	nc
Bi_IC_ppm	2	0	0	nc	0	3	137	0	0
Br_NA_ppm	0.5	24.5	7.8	40.3	4.7	nc	0.0	0.5	0.0
Ca_IC_%	0.01	1.30	2.74	1.63	8.08	2.21	1.50	4.40	3.76
Ca_NA_%	1	1	231	3	15	2	22	5	19
Cd_IC_ppm	0.5	nc	200.0	nc	200.0	13.3	6.5	0.5	0.0
Ce_NA_ppm	3	69	15	55	3	44	11	18	16
Co_IC_ppm	1	13	4	13	4	11	5	13	4
Co_NA_ppm	1	17	9	16	8	11	9	14	5
Cr_IC_ppm	1	36	4	31	8	71	14	29	10
Cr_NA_ppm	5	83	9	71	3	143	7	36	3
Cs_NA_ppm	1	5	11	2	0	nc	0	1	nc
Cu_IC_ppm	1	37	8	34	12	471	3	471	6
Eu_NA_ppm	0	2	20	2	5	1	4	1	14
Fe_IC_%	0.01	3.26	1.39	3.34	8.00	3.82	2.86	3.84	4.64
Fe_NA_%	0.01	4.43	9.22	4.77	5.43	3.96	4.91	4.37	7.67
Hf_NA_ppm	1	6	15	7	9	3	18	2	0
Hg_IC_ppb	20	70	0	80	27	1925	8	76	10
K_IC_%	0.01	0.15	9.43	0.08	17.68	0.25	117.58	0.13	8.44
La_NA_ppm	1	39	9	30	3	30	6	10	5
Lu_NA_ppm	0.05	0.55	22.45	0.71	3.57	0.18	22.68	0.29	20.56
Mg_IC_%	0.01	0.81	1.23	0.79	7.59	1.17	2.82	1.42	4.93
Mn_IC_ppm	1	2193	3	3230	9	639	3	510	4
Mo_IC_ppm	1	6	10	1	0	131	3	2	21
Na_IC_%	0	0	0	0	23	0	0	0	8
Na_NA_%	0.01	1	7	1	5	0	5	2	8
Nd_NA_ppm	5	36	27	32	8	14	7	8	35
Ni_IC_ppm	1	26	2	19	12	82	2	3	23
P_IC_ppm	10	1328	2	1330	3	573	3	1120	5
Pb_IC_ppm	2	36	22	32	8	2483	3	5	103
Rb_NA_ppm	15	69	13	30	18	49	13	69	17
Sb_NA_ppm	0.1	4.2	11.8	3.3	4.0	245.0	2.4	1.3	5.4
Sc_IC_ppm	1	4	20	5	20	4	16	10	7
Sc_NA_ppm	0.1	12.5	4.62	13.5	7.2	10.6	7.1	13.4	10
Sm_NA_ppm	0.1	6.6	15.8	6.6	6.3	2.2	22.3	2.2	10.0
Sr_IC_ppm	2	67	5	30	13	117	7	122	8
Ta_NA_ppm	0.5	nc	300.0	-0.5	0.0	0.5	0.0	nc	0.0
Tb_NA_ppm	0.5	0.7	126.1	1.2	4.3	nc	244.4	0.4	105.8
Th_NA_ppm	0.2	9.2	21.5	4.3	12.0	7.3	5.2	1.6	13.8
Ti_IC_%	0.01	0.04	20.41	0.03	15.38	nc	0.00	0.04	14.43
U_NA_ppm	0.5	11.5	17.7	9.0	12.4	31.0	5.3	0.4	230.2
V_IC_ppm	2.	57	8	47	9	21	7	162	6
W_NA_ppm	1	1	210	nc	0	9	12	1	0
Yb_NA_ppm	0	4	11	5	4	1	9	2	12
Zn_IC_ppm	2	185	1	156	6	3713	1	39	7
Zn_NA_ppm	10	231	25	282	23	3995	10	44	156

reflects those samples where there was sufficient material for all of the analyses. A 0.2 g sample of the - 230 mesh fraction was fused with lithium borate, the residue dissolved in HNO₃ and the solution analysed for SiO₂, Al₂O₃, MgO, CaO, Na₂O, K₂O, TiO₂, P₂O₅, MnO, Cr₂O₃, Ba, Sr, Zr, Y, Nb. Samples were also analysed for loss on ignition at 1000°C. Detection limits for oxides and minor elements are listed in Table 2. Major oxide and minor element statistics for 249 samples are listed in Table 4.

DATA PRESENTATION

This report contains geochemical data for 27 of 35 elements analyzed by INAA, and for 26 of 32 elements analyzed by ICP-ES. All of the trace element values are listed in Appendix 1. Several elements in the ICP-ES (Sb, Ga, La, Tl, U, W) and INAA (Ag, Hg, Ir, Ni, Se, Sn, Sr) analytical suites are not reported here because their natural abundance in till are lower than the stated analytical detection limits (Table 1), or because of poor analytical precision. Those concentrations below the stated detection limits are reported in the data listings as a value equivalent to, in most cases, one-half the detection limit (Appendix 1). Major oxide, minor elements and loss on ignition values are listed in Appendix 2. Distribution maps for element concentrations determined by INAA and ICP-ES are presented in Appendix 3.

There are several minor differences between elements reported here and those reported in a previously published till geochemistry survey over the adjacent Fawnie Creek map area (Levson et al., 1994). The ICP-ES analyses were conducted by two different analytical laboratories in the two survey years and, while substantially the same; there are slight differences in the reported element suites. Mercury, As, Be, and Sc concentrations are given here, but were not reported by Levson et al. (1994). Conversely, B and Br data are not included here, but were given by Levson et al. (1994). The stated ICP-ES detection limits for several elements (Ag, Ba, Cd, Mn, V and Zn) also differ slightly between the two survey years. INAA data reported here were also conducted prior to those of Levson et al. (1994), and there are slight differences in stated detection limits between the two surveys for La, Th and Rb. As well, INAA Mo concentrations were not reported by Levson et al. (1994), but are included here.

QUALITY CONTROL

The ability to discriminate real geological and geochemical trends from those arising from sampling

and analytical variation is of considerable importance in the interpretation of geochemical data. Several quality control procedures were used in the laboratory analysis component of this program, including the insertion of control standards and analytical duplicates into the sample suite, and the routine re-analysis of those samples returning high gold concentrations.

The four control standards used include CANMET certified reference materials and internal standards of the Geological Survey Branch, and span a wide range of element concentrations likely to occur in till. Control standards analytical data compare favourably with accepted values. Mean values for replicate analyses of these standards and percent relative standards deviation (%RSD) values are listed in Table 1. For example, four INAA analyses of CANMET standard STSD-1 returned mean concentrations of 22.3 ppm $\pm$ 1.0 ppm As (accepted value: 23 ppm $\pm$ 2 ppm), 3.3 ppm Sb $\pm$ 0.1 ppm (accepted value: 3.3 ppm $\pm$ 0.3 ppm). Four aqua regia ICP-ES analyses of the same standard returned mean concentrations of 34 ppm $\pm$ 4 ppm Cu (accepted value: 36 ppm $\pm$ 2 ppm), 156 ppm $\pm$ 9 ppm Zn (accepted value: 165 ppm $\pm$ 8 ppm) and 20.0 ppm $\pm$ 4.3 ppm As (accepted value: 17 ppm $\pm$ 5 ppm). Accepted values for CANMET standards are from Lynch (1990). Four analyses of one of the high-Au internal standards returned a mean Au concentration of 220 ppb $\pm$ 8 ppb, similar to the accepted value of 250 ppb.

Analytical precision may be assessed by repeated analysis of a control standard. For example, replicate INAA analyses of each of four standards returned relative standard deviations (RSD) of 4.3 -12.3 % for As 4.9-9.2 % for Fe, 2.9-15.7 % for Ce and 1.0-19.6 % for Ba. Gold RSD values for three of the standards are in the range of 40 %. The large RSD values for Au in SDST 3 can be explained by an erratically high (17 ppb) value for one repeat analysis of this standard. In the ICP-ES suite, four to seven replicate analyses of each of the four standards returned RSD values in the range of 3.0-11.5 % for Cu, 0.5-7.0 % for Zn, 3.6-14.2 % for Cr and 0.0-27.0 % for Hg.

Analytical duplicates are sample splits taken after laboratory preparation procedures, but prior to analysis. Figure 5 shows scatter plots generated from data for 18 duplicate sample pairs for Au, As, Ce and Fe by INAA and for Cu, Zn, Ni and Cr by ICP-ES. Results indicate good reproducibility for most elements, particularly those with concentrations well above the stated detection limits. Analytical precision is generally lower for elements such as Au, Ag, Pb and As where background concentrations are often at or near the limits of analytical detection.

Table 2. Detection limits and percent relative standard deviation for 10 repeat analyses of CANMET Standards STSD 1 and STSD 3 (LIC = Lithium metaborate fusion-ICP; GR = Gravimetric analysis; SUM = Sum of oxides).

Element	Detection Limit	Mean STSD 3	%RSD	Mean STSD 1	%RSD
SiO2_LIC_%	0.01	52.56	0.68	34.51	1.21
Al2O3_LIC_%	0.01	14.65	1.37	5.88	1.91
Fe2O3_LIC_%	0.01	7.72	0.96	2.14	1.43
MgO_LIC_%	0.01	0.84	7.14	8.45	2.35
CaO_LIC_%	0.01	2.68	1.27	20.15	1.18
Na2O_LIC_%	0.01	2.42	1.45	1.00	2.44
K2O_LIC_%	0.01	2.70	3.13	1.47	10.83
TiO2_LIC_%	0.01	1.29	0.95	0.32	2.43
P2O5_LIC_%	0.01	0.67	3.44	0.12	5.05
MnO_LIC_%	0.01	0.09	6.87	0.07	0.00
Cr2O3_LIC_%	0.01	0.00	372.03	0.00	70.86
Ba_LIC_ppm	10	1133	1.69	313	2.56
Sr_LIC_ppm	10	312	2.06	210	1.45
Zr_LIC_ppm	10	662	8.55	161	8.18
Y_LIC_ppm	10	38	1.12	15	2.90
Nb_LIC_ppm	10	29	6.24	-8	-91.30
LOI_GR_%	0.01	15	1.42	26	1.05
SUM_%	0.01	101	0.32	100	0.51

Table 4. Oxide and minor element statistics for 249 till samples (LIC = lithium metaborate fusion and inductively coupled plasma emission spectroscopy; LOI= loss on ignition; Maximum; Min. = Minimum; 95%ile = 95th percentile)

Element	Mean	Median	3rd Quartile	SD	Max.	Min.	90%ile	95%ile	98%ile
SiO2_LIC_%	59.10	58.44	62.06	4.14	69.70	48.73	65.43	66.56	67.94
Al2O3_LIC_%	15.67	15.64	16.16	0.83	18.12	12.97	16.81	17.18	17.43
Fe2O3_LIC_%	7.48	7.65	9.05	2.00	11.73	2.94	10.06	10.45	11.20
MgO_LIC_%	1.73	1.62	2.12	0.64	4.18	0.48	2.54	2.88	3.29
CaO_LIC_%	4.30	4.21	4.76	1.10	10.97	1.90	5.61	5.96	6.64
Na2O_LIC_%	3.46	3.36	3.60	1.76	30.30	1.80	3.85	3.94	4.14
K2O_LIC_%	1.79	1.83	1.99	0.40	3.45	0.54	2.23	2.32	2.55
TiO2_LIC_%	1.61	1.60	1.98	0.53	4.96	0.65	2.24	2.41	2.53
P2O5_LIC_%	0.186	0.170	0.260	0.092	0.420	0.020	0.320	0.340	0.360
MnO_LIC_%	0.10	0.09	0.11	0.03	0.22	0.04	0.13	0.14	0.16
Cr2O3_LIC_%	0.014	0.013	0.018	0.009	0.100	0.003	0.023	0.027	0.033
Ba_LIC_ppm	721	682	803	154	1330	440	948	998	1086
Sr_LIC_ppm	469	475	510	64	649	263	541	562	580
Zr_LIC_ppm	231	228	253	48	559	127	279	305	337
Y_LIC_ppm	19	19	22	4	33	10	24	26	29
Nb_LIC_ppm	35	34	41	10	57	14	48	53	55
LOI_GR_%	4.94	4.80	6.00	1.83	11.80	1.00	7.32	8.20	9.22
SUM_%	100.47	100.56	100.71	0.37	100.99	98.30	100.84	100.87	100.90

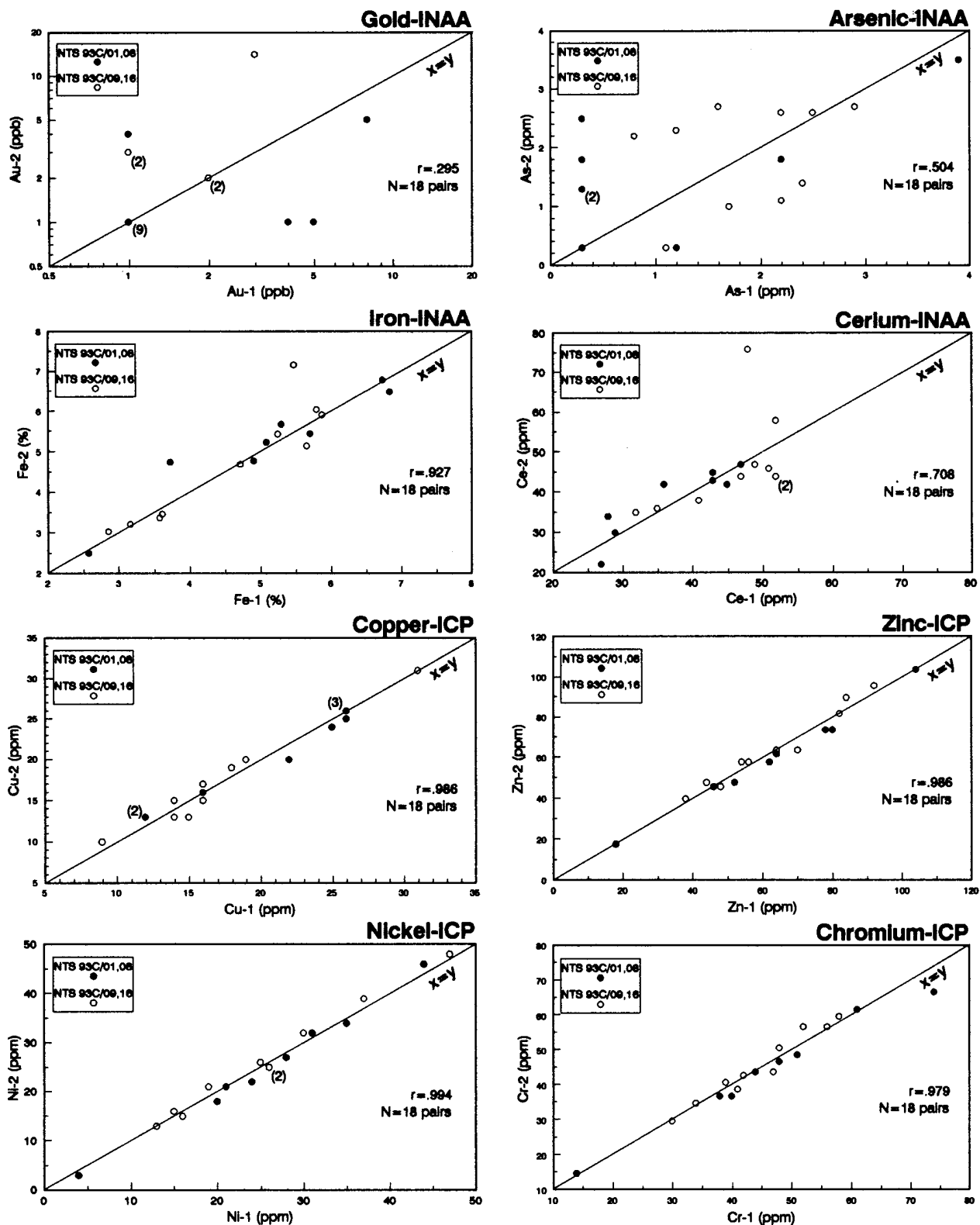


Figure 5. Scatter plots of 18 blind duplicate pairs for each of Au, As, Fe and Ce by INAA, and Cu, Zn, Ni & Cr (ICP-ES).

As a further check on analytical reproducibility of Au, repeat INAA analyses are routinely conducted on samples reporting elevated Au concentrations (i.e. >90th percentile) in each survey area. Here, repeat analyses were conducted on 21 samples from the Chilanko Forks - Chezacut area (NTS 93C/1 & 8) and 10 samples from the Clusko River - Toil Mountain area (NTS 93C/9 & 16) with Au concentrations of at least 6 ppb (Fig. 6). These correspond to the upper 14% and upper 6% of the two respective data sets. Repeat analyses are ideally conducted on separate splits of the original sieved sample material, as the results are a measure of both analytical and sub-sampling variability. Because insufficient pulp material remained available for most of these samples, the re-analyses were conducted on the original INAA sample capsules.

Results measure only analytical variability from one sample batch to another, but generally confirm the validity of the initial Au values. All of the re-analyzed samples yielded Au concentrations greater than the stated 2 ppb detection limit. More than half (17) returned Au values greater or equal to the initial 6 ppb threshold. Significantly, all 9 samples initially reporting at least 10 ppb Au also returned at least 10 ppb upon re-analysis. Six of the 31 sample repeats returned higher-than-original Au concentrations, while 3 remained the same and 22 returned slightly lower than original values. Generally, those samples containing at least 10 ppb returned repeat values of at least that level or greater, while those samples containing less than 10 ppb Au returned repeat values a few ppb lower. In all, calculated per cent difference values are 40% or better for more than half (17) of the duplicate pairs. Gold concentrations in the Appendix 1 data listings are those values obtained from the first analysis; Gold concentrations obtained from re-analyses are reported as "Au2".

Only STSD 1 and STSD 3 have been analysed for SiO₂, Al₂O₃, MgO, CaO, Na₂O, K₂O, TiO₂, P₂O₅, MnO, Cr₂O₃, Ba, Sr, Zr, Y, Nb and LOI. Precision expressed as %RSD for most oxides for both standards is generally higher than 5 percent. The exception is Cr₂O₃ and the poor precision could reflect the low levels of the oxide in the standard.

SUMMARY OF RESULTS AND PRELIMINARY INTERPETATION

This summary of Au, As, Sb, Hg, Cu, K, Pb and Zn distributions in surficial sediment is intended to highlight geochemical patterns that could help identify exploration targets. Only raw data are used. Where

applicable, unit designations of Tipper (1969) and Metcalfe and Hickson (1995) are used to identify geological units. Most of the landscape features mentioned in this Geofile are identified on Figure 2, but readers should refer to the appropriate 1: 50 000 scale NTS topographic maps or the Cariboo Forest Region map for more local stream and place names.

In Figures 7 and 8 the distribution of till samples with anomalous Au and with As + Sb + Hg above the 90th and 95th percentiles are shown as symbol plots. The element statistics including percentiles are listed in Table 3, and have been calculated from data for the whole survey. Arsenic, Sb and Hg were chosen because these elements are pathfinders for epithermal mineralization. The geochemical summary has been separated into the Clusko-Toil Mountain area (93C/9 & 16) and the Chilanko Forks-Chezacut area (93C/1 & 8) because more detailed symbol plots showing the distribution of all elements in till samples from these two areas are contained in Appendix 3. Sample site locations and numbers are also provided in Appendix 3. Each map is accompanied by a statistical summary that has been used as a framework for describing the results.

NORTHERN HALF OF STUDY AREA - CLUSKO RIVER AND TOIL MOUNTAIN MAP AREAS

Multi-element till geochemistry (values >95th percentile) patterns in the Clusko River and Toil Mountain map sheets reveal the presence of the most important known mineral prospect in the area (Clisbako), extend the potential target area around another prospect (Oboy), and indicate the potential for discovery of new, previously unknown, mineral occurrences.

Gold

Background Au concentration in tills, as expressed by the median value, is 1 ppb. There are 6 sites with Au concentrations above 6 ppb scattered over the eastern part of the survey area (Appendix 3). These sites appear primarily over Ootsa Lake Group volcanic rocks, although Au at one site (3033) is situated above a different volcanic unit of Tipper (1969). Most elevated till Au concentrations are within NTS 93C/9, but the highest Au value (32 ppb; *site 4226*) is located in NTS 93C/16 on the north flank of Toil Mountain, south of the Baezaeko River. The second-highest Au value (18 ppb; *site 3154*) is located on the north side of Clisbako Lake near the Clisbako prospect. As shown in the data listings, INAA reanalysis of the sample capsules from these sites (30 ppb and 31 ppb Au, respectively) confirms the reproducibility of these anomalous values.

Gold Repeats (INAA)

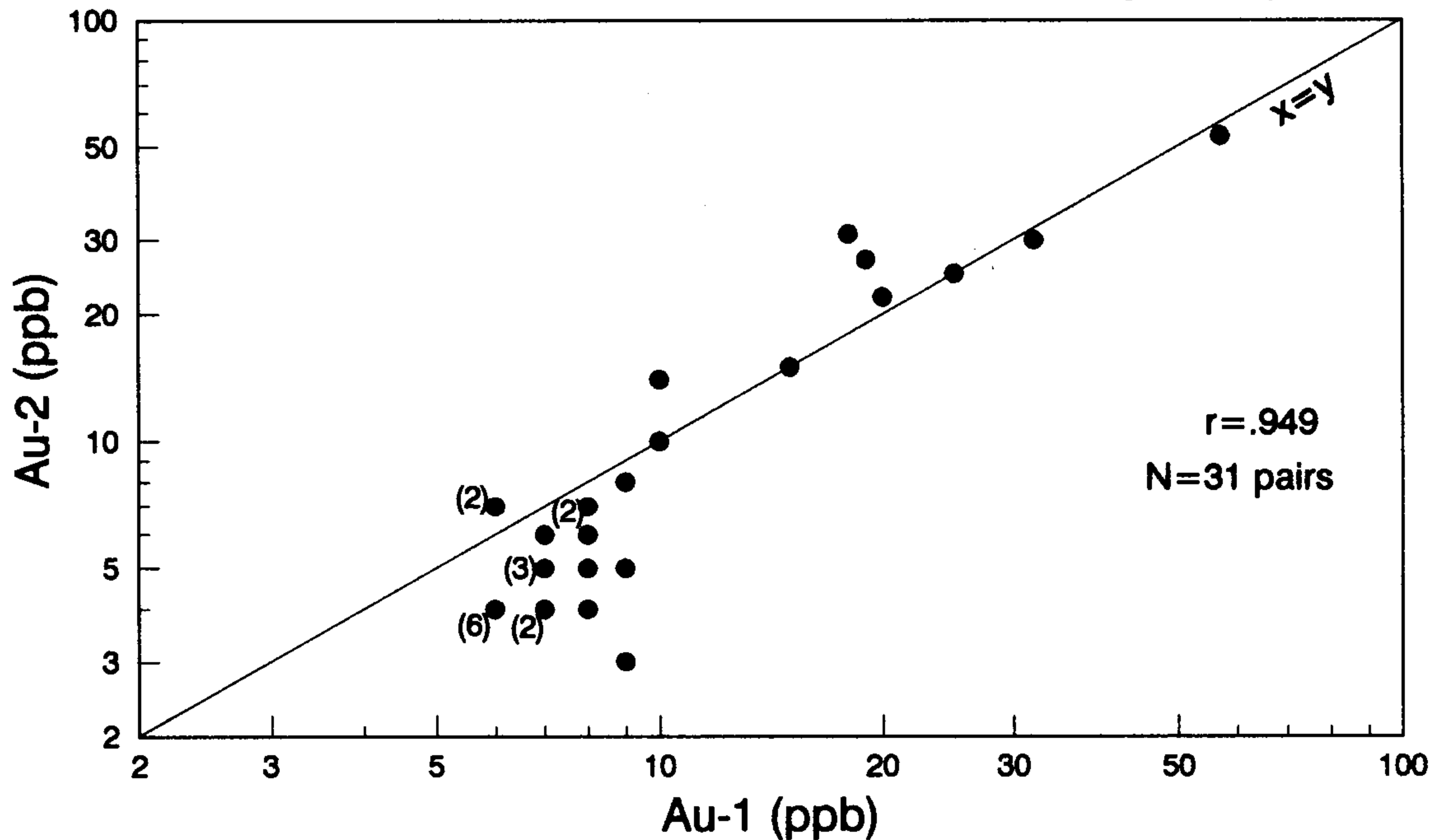


Figure 6. Scatter plots of 31 pairs of initial and repeat Au analyses for all till samples with Au above 5 ppb.

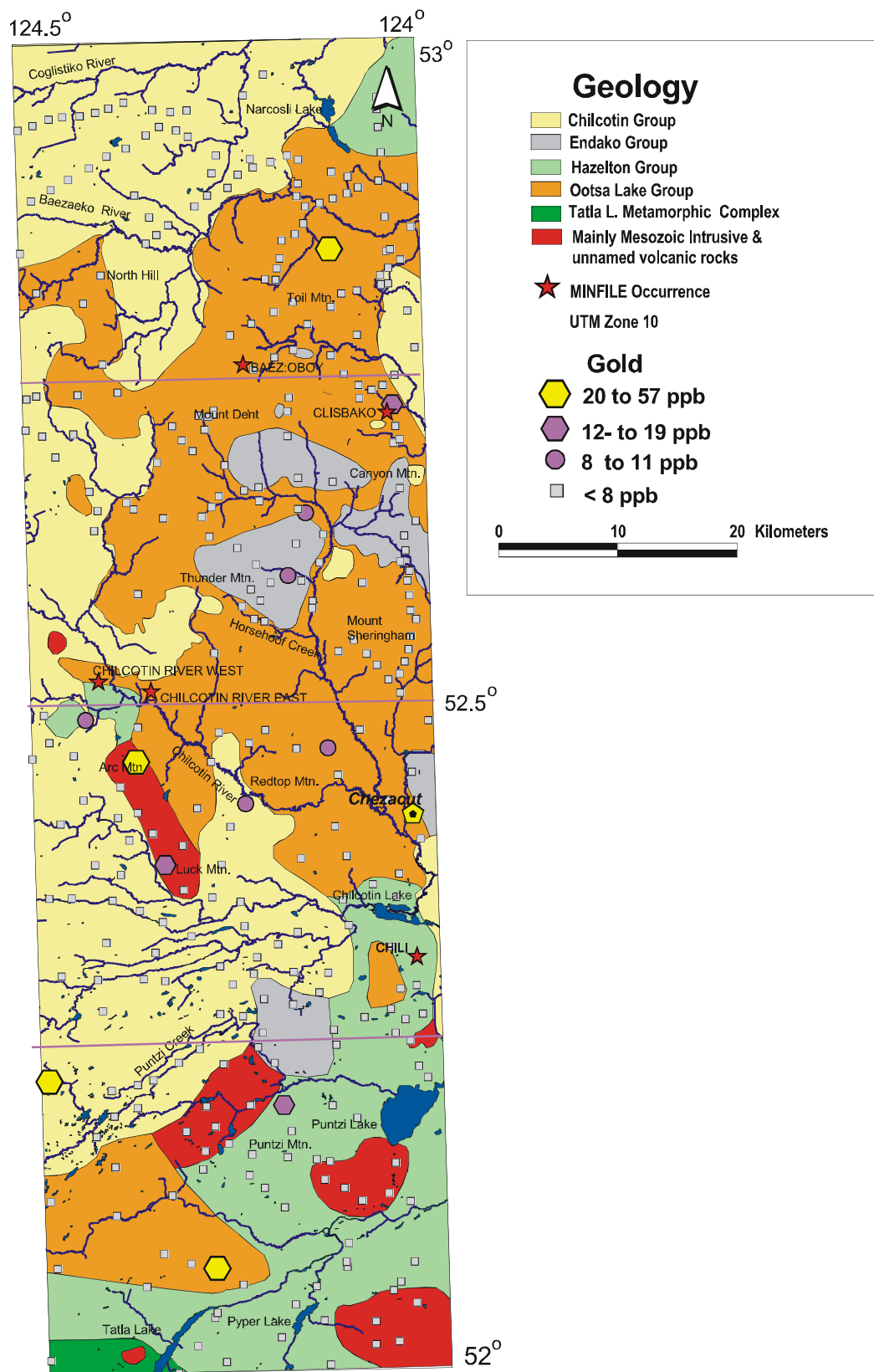


Figure 7. Gold (by aqua regia-ICP) in till samples.

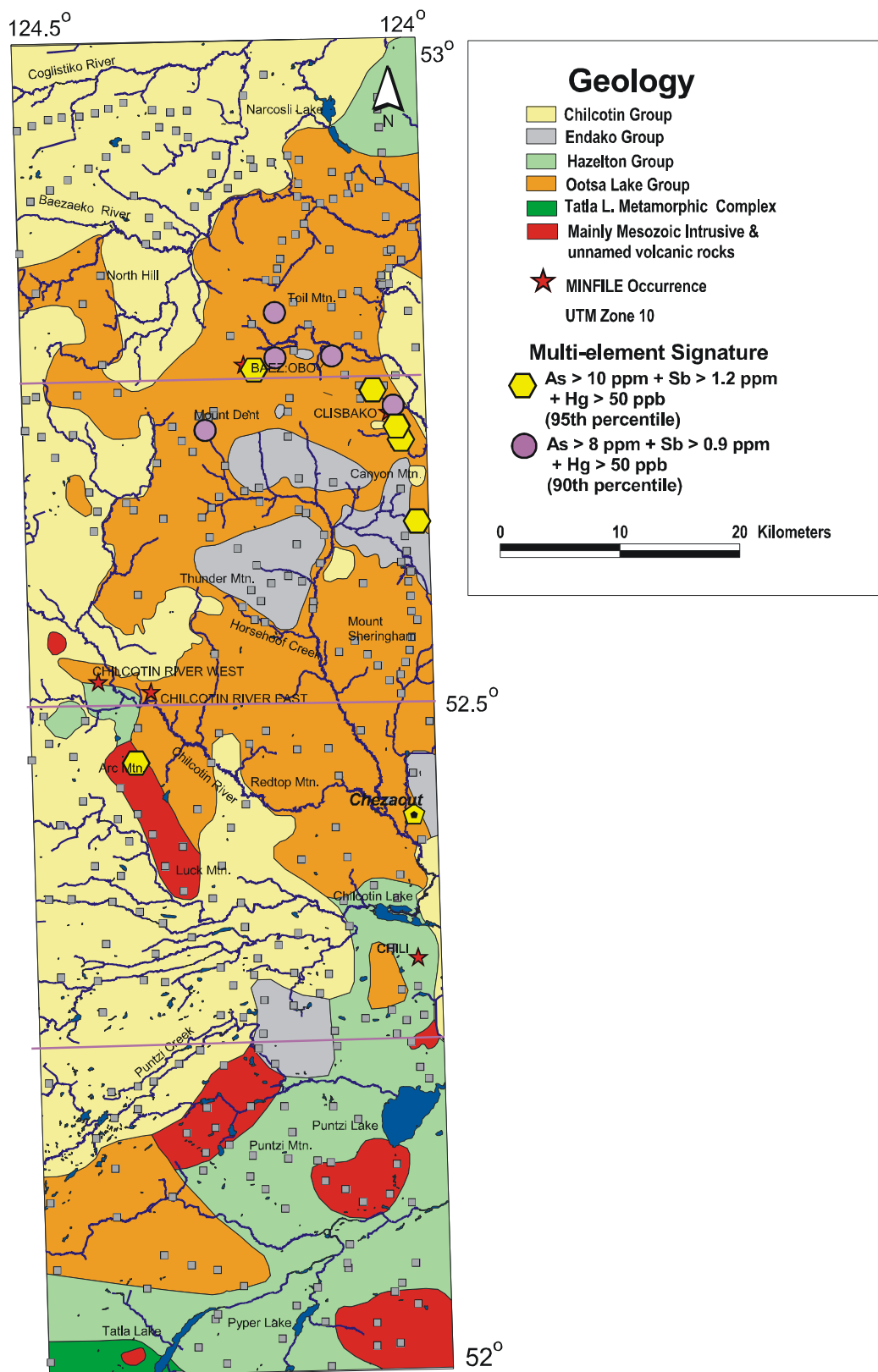


Figure 8. Arsenic, Sb and Hg association (by aqua regia-ICP) in till.

Table 3. Trace element statistics for 331 till samples (IC = inductively coupled plasma emission spectroscopy; NA = instrumental neutron activation; Med = Median; 3 Quar = 3rd Quartile; Max = Maximum; Min = Minimum; 95%ile = 95th percentile)

Element	DL	Mean	Med.	3 Quar	SD	Max	Min	90%ile	95%ile	98%ile
Ag_IC_ppm	0.2	0.2	0.1	0.2	0.1	0.6	0.1	0.2	0.4	0.4
Al_IC_%	0.01	1.87	1.77	2.14	0.67	4.52	0.78	2.74	3.32	3.89
As_IC_ppm	2	4	2	6	4	46	1	8	10	14
As_IN_ppm	0.5	2.6	2.1	3.1	3.3	43	0.3	4.8	6.4	7.4
Au_NA_ppb	2	2.8	1	3	4.4	57	1	5	7.5	12
Ba_IC_ppm	10	108	90	130	56	450	20	180	220	250
Ba_IN_ppm	50	598.1	590	670	132.1	1100	330	770	845	964
Be_IC_ppm	0.5	0.3	0.3	0.3	0.0	1.0	0.3	0.3	0.3	0.5
Bi_IC_ppm	2	2	1	2	2	14	1	6	6	9
Br_NA_ppm	0.5	0.7	0.3	0.3	1.0	8.1	0.3	2	2.65	3.94
Ca_IC_%	0.01	0.6	0.51	0.69	0.5	5.62	0.17	0.87	1.21	2.04
Ca_NA_%	1	2.5	3	3	1.0	7	1	4	4	5
Cd_IC_ppm	0.5	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3
Ce_NA_ppm	3	43.4	42	50	9.4	81	26	56	60	64
Co_IC_ppm	1	11.7	11	15	4.8	26	1	18	20	22
Co_NA_ppm	1	15.7	15	19	5.8	33	4	23	26	28.4
Cr_IC_ppm	1	43.6	44	53	13.8	81	11	62	68	72.4
Cr_NA_ppm	5	87.4	80	110	37.8	230	26	150	160	184
Cs_NA_ppm	1	1.5	1	2	1.1	11	1	2	3	4
Cu_IC_ppm	1	22.9	23	28	7.7	58	7	32	35	38
Eu_NA_ppm	0.2	1.5	1.5	1.8	0.4	2.5	0.8	2	2.2	2.3
Fe_IC_%	0.01	3.6	3.68	4.44	1.0	5.84	0.8	4.83	5.145	5.334
Fe_NA_%	0.01	4.9	4.73	5.92	1.4	8.2	2.04	6.71	7.11	7.524
Hf_NA_ppm	1	5.9	6	7	1.2	14	3	7	8	8
Hg_IC_ppb	20	30.8	20	30	32.3	470	1	50	50	80
K_IC_%	0.01	0.1	0.1	0.13	0.1	0.52	0.02	0.18	0.22	0.244
La_NA_ppm	0.5	23.4	23	27	5.3	43	12	30	31.5	33.4
Lu_NA_ppm	0.05	0.3	0.3	0.345	0.1	0.63	0.09	0.4	0.43	0.49
Mass_g	0.01	28.2	29.07	32.535	7.1	46.9	4.345	35.36	36.605	39.028
Mg_IC_%	0.01	0.6	0.51	0.78	0.3	2.02	0.09	1	1.15	1.276
Mn_IC_ppm	1	378.7	365	472.5	157.3	1110	60	565	615	705
Mo_IC_ppm	1	1.0	1	1	0.1	2	1	1	1	1
Mo_NA_ppm	1	1.1	1	1	0.4	5	1	1	1.5	3
Na_IC_%	0.01	0.0	0.03	0.06	0.0	0.23	0.01	0.08	0.085	0.104
Na_NA_%	0.01	2.2	2.22	2.405	0.3	3.26	1.24	2.54	2.65	2.794
Nd_NA_ppm	5	18.9	18	22	5.3	36	3	26	28.5	31
Ni_IC_ppm	1	26.4	25	35	12.5	71	3	42	47	55.4
P_IC_ppm	10	705.9	690	955	298.3	1720	60	1060	1165	1304
Pb_IC_ppm	2	4.8	4	8	4.4	22	1	12	12	14
Rb_NA_ppm	15	38.6	39	51	19.2	110	10	63	70.5	82.4
Sb_NA_ppm	0.1	0.5	0.4	0.6	0.5	4.6	0.1	0.9	1.2	1.78
Sc_IC_ppm	1	5.8	6	7	2.2	15	2	8	9	11
Sc_NA_ppm	0.1	13.2	13	15	2.8	21	7	17	18	20
Sm_NA_ppm	0.1	4.1	3.9	4.8	1.1	7.8	1.8	5.6	6.2	6.54
Sr_IC_ppm	2	52.6	49	62	23.5	206	21	77	93	119.8
Ta_NA_ppm	0.5	1.2	1.2	1.7	0.8	3.9	0.3	2.1	2.4	2.74
Tb_NA_ppm	0.5	0.5	0.3	0.7	0.2	1.3	0.3	0.8	0.9	1
Th_NA_ppm	0.2	4.6	4.3	5.5	1.8	15	1.8	7	8.1	9.04
Ti_IC_%	0.01	0.3	0.31	0.38	0.1	0.62	0.05	0.46	0.51	0.56
U_NA_ppm	0.5	1.6	1.6	2.2	1.0	6.9	0.3	2.8	3.3	3.7
V_IC_ppm	2	76.2	77	88	17.0	125	19	96	103.5	110.4
W_NA_ppm	1	1.0	1	1	0.2	3	1	1	1	2
Yb_NA_ppm	0.2	2.0	1.9	2.2	0.5	4.1	1.1	2.6	2.8	3.2
Zn_IC_ppm	2	62.6	62	76	20.1	162	14	86	91	104.8

There are no distinct Au distribution patterns in till. However, two sites with elevated Au in the Clisbako area are coincident with, or adjacent to, As-Sb- Hg anomalies. Two other sites with Au values of 9-10 ppb occur near sites with elevated Cu-K concentrations in the Horseshoe Creek - Thunder Mountain area south of the Clusko River (Appendix 3).

Arsenic, Antimony and Mercury

Median As and Sb till concentrations (INAA) in the combined Clusko River-Toil Mountain survey area are 2.3 ppm and 0.5 ppm, respectively. Highest As (43 ppm) and Sb (4.6 ppm) concentrations in till occur at one site (*site 3151*) south of Clisbako Lake, near the Clisbako prospect. Median Hg concentration (AAS) in till is 30 ppb. The site with the highest Hg (*site 4228*; 470 ppb) is located north of the Clisbako River to the west of Toil Mountain. The second-highest Hg concentration (*site 3096*; 290 ppb) is west of Mount Dent near the headwaters of the Clusko River.

Overall, elevated As-Sb-Hg values (>95th percentile for each element, corresponding to concentrations greater than 6.4 ppm As, 1.5 ppm Sb and 60 ppb Hg) define two anomalous multi-element zones in till above Ootsa Lake Group volcanics. These zones, centered roughly on the Clisbako and Oboy epithermal prospects, form a discontinuous actuate belt of precious metal pathfinder anomalies along the border of the NTS 93C/9 & 16 map areas (Fig. 8). The distribution of Cs in till displays a very similar pattern. At Clisbako, the anomalous zone generally corresponds to the locations of known epithermal mineralization and argillic alteration zones (Dawson, 1991) south and northwest of Clisbako Lake. Anomalous Au values are also present at some till sites here, and the As-Sb-Hg±Au geochemical signature is similar to that present in present-day sediments of Clisbako Lake (Cook, 1995). In contrast, anomalous single- and multi-element till sites in the general region around the OBoy prospect contain less associated Au, but comprise a broad area of multi-element As-Sb-Hg anomalies. A cluster of these sites occurs in the Mount Dent region which, considering known glacial flow directions in the area, is well up-ice of the Oboy prospect. In addition one till site (*3093*; Appendix 3; Fig. 9) in the Mount Dent area has high copper. These data indicate that there is good potential for new mineral discoveries in the Mount Dent region and possibly also north and east of the Oboy prospect where a number of the multi-element anomalies occur (Fig. 8 and Appendix 3).

Copper and Potassium

Median Cu (Fig. 9) and K (Fig. 10) concentrations in till are 21 ppm and 0.09%, respectively. Sites with elevated Cu and K >95th percentile (>33 ppm and 0.18%, respectively) are clustered in two major areas: the Thunder Mountain-Horseshoe Creek area, and the Clisbako prospect area. Potassium data reported here are not total determinations, as the concentrated nitric-aqua regia acid dissolution does not completely digest silicate minerals such as potassium feldspars (Dolezal *et al.*, 1968). A tightly-clustered group of sites with mostly coincident concentrations of elevated Cu (Figure 9) and K (Figure 10) is located north of Horseshoe Creek on the southeast side of Thunder Mountain. The site with the maximum Cu concentration in the survey area (*site 3005*; 58 ppm Cu) is among these.

The zone of elevated K in till in the Thunder Mountain area is somewhat more extensive than the zone of elevated Cu. It corresponds to an area of andesite, dacite and basalt mapped as 'unit 10' by Tipper (1969), although more recent unpublished mapping by Metcalfe shows the area to be mostly dacite volcanic units with only isolated exposures of andesite. Numerous sites here have K values within the upper tenth percentile, suggesting an elevated regional K background for this area. The greatest K concentrations here occur at those sites on the immediate peripheries of the coincident Cu-K zone. For example, sites in the central part of the coincident zone contain up to 0.22% K (*i.e. sites 3005 and 3012*), whereas peripheral sites contain up to 0.52% K (*e.g. site 3074*). Elevated Au concentrations of 7-10 ppb also occur at two sites in, and down ice of, the Cu-K zone. This Cu-K ± Au geochemical signature may reflect the dispersed remnants, in till, of potassic alteration zones associated with possible buried porphyry Cu-Au mineralization in the Thunder Mountain area. Sibbick and Kerr (1995) demonstrated similar K till geochemistry (<62.5 micron fraction) to reflect the presence of the Mt. Milligan porphyry Cu-Au deposit. At this locality, north of Fort St. James in central B.C., a high-K till population (mean: 0.22% K) corresponding to the upper 8 percentiles of data reflected the location of the deposit; mean K concentration of the background population was 0.08%.

In the Clisbako region, a zone of moderately-elevated Cu concentrations up to 36 ppm, and elevated K concentrations up to 0.23% outlines known areas of epithermal mineralization and argillic alteration (Dawson, 1991) in the vicinity of the Clisbako epithermal prospect. K concentrations here are similar

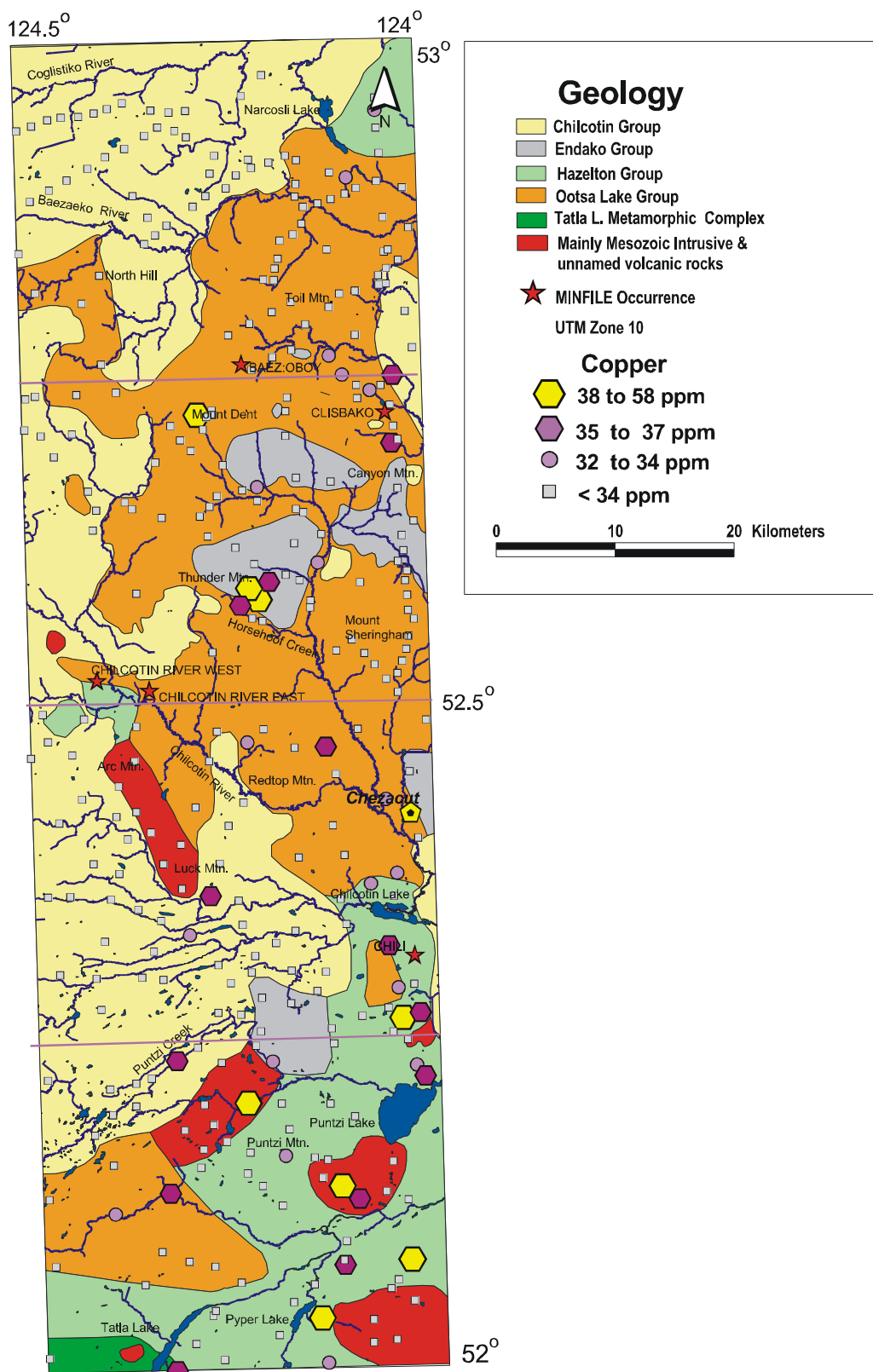


Figure 9. Copper (by aqua regia-ICP) in till.

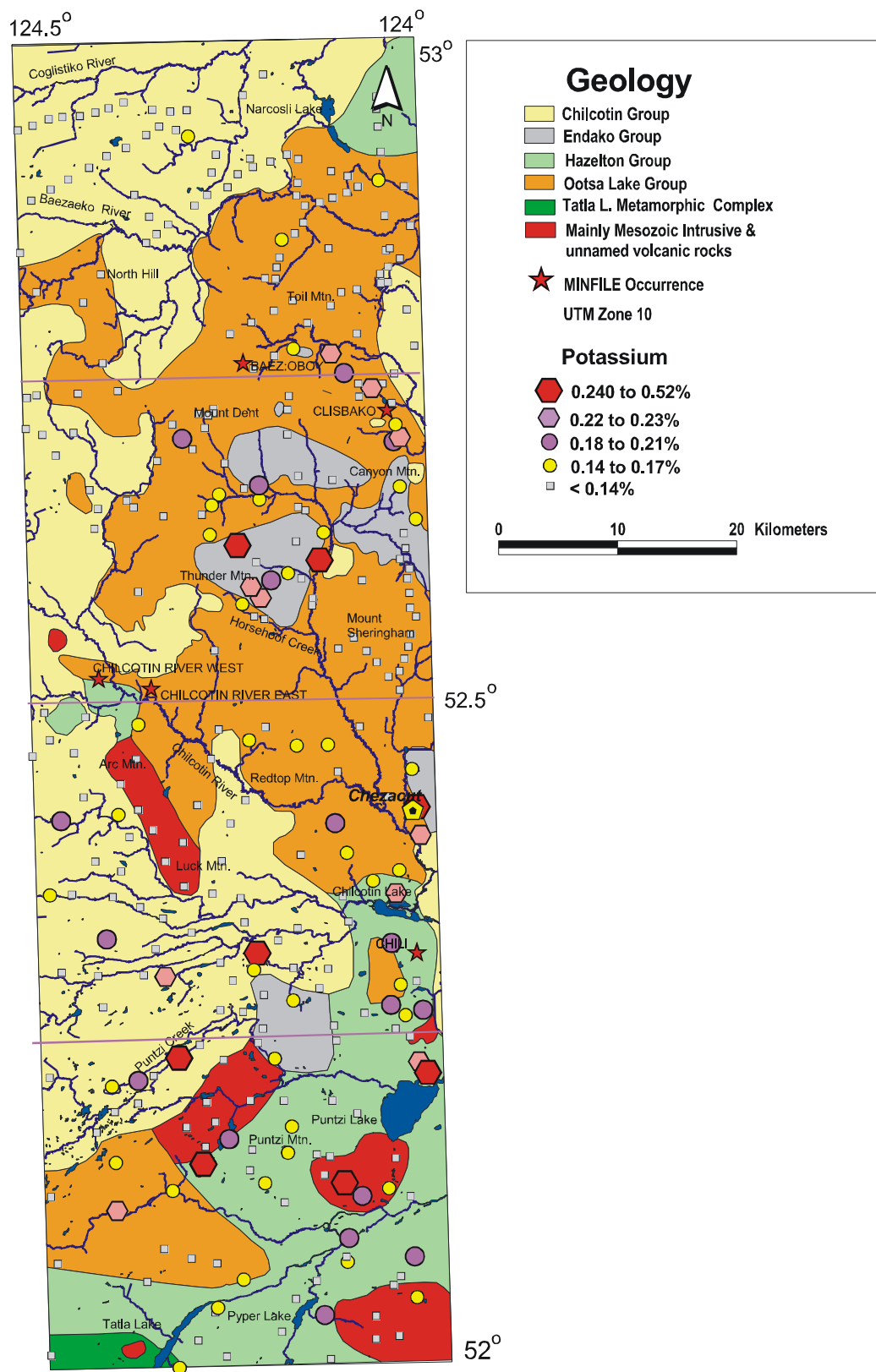


Figure 10. Potassium (by aqua regia-ICP) in till.

to those in the Horsehoof Creek-Thunder Mountain area, but Cu concentrations are lower. This area coincides with part of the previously-noted As-Sb-Hg zone. The distribution of elevated K, however, outlines a slightly larger area than do these elements, particularly to the northwest. Interestingly, there are no anomalous K concentrations in till at sites near the OBoy prospect with elevated As-Sb-Hg. In addition to the above, elevated Cu (42 ppm) is also present at site 3093 near the zone of elevated As-Sb-Hg west of Mount Dent.

Lead and Zinc

Median Pb (Fig. 11) and Zn (Fig. 12) concentrations in till are 4 ppm (max: 22 ppm) and 62 ppm (max: 162 ppm), respectively. Elevated Pb concentrations (greater than 97th percentile) of at least 14 ppm, and Zn concentrations (greater than 95th percentile) of at least 90 ppm are confined to the northern part of the survey area, in the Toil Mountain (NTS 93C/16) map sheet. There are no strong Pb or Zn patterns, but a number of sites with coincident elevated values of Pb and Zn occur in a few general areas. First, the highest Zn (162 ppm) occurs at a site (4159) just north of the Baezaeko River and two sites in the eastern Baezaeko River area (*sites 4224 and 4226*; Appendix 3) have anomalous zinc (142 and 130 ppm, respectively) and lead (14 and 14 ppm, respectively). The second highest Pb concentration in till (20 ppm) occurs at a site (4189), in the northeasternmost part of the survey area, northeast of Narcosli Lake, over Hazelton Group rocks. Secondly, two sites with elevated zinc and lead occur close together in the northwest part of the survey area, south of the Coglistiko River (*sites 4106 and 4107*), and a third anomalous site occurs about 10 km to the southwest (4119).

Summary of Northern Half of Study Area

There are several areas of interest in the Clusko River and Toil Mountain mapsheets, four of which are highlighted below.

1. Two zones of elevated As-Sb-Hg $\pm$ Au in till in the vicinity of the Clisbako and Oboy epithermal gold prospects. Together, these two zones define a discontinuous actuate belt of multi-element precious metal pathfinder till geochemistry anomalies in the east-central part of the map area, over Ootsa Lake Group felsic volcanic rocks (Fig. 8).
2. Elevated metal values in till at the Clisbako area coincide with areas of hydrothermal alteration mapped by Dawson (1991) and with airborne gamma-ray radiometric potassium data reported by Shives (1994).

3. A zone of elevated Cu-K $\pm$ Au values occurs above Eocene volcanic units in the Horsehoof Creek- Thunder Mountain area of NTS 93C/9.
4. In the northwest part of the survey area south of the Coglistiko River there is a small zone of adjacent and/or coincident till samples with elevated Pb-Zn values. Tills in this area of little bedrock exposure lie above what are presently mapped as basalt flows of the Chilcotin Group. A number sites with high lead and/or zinc occur at various locations in the northeastern part of the study area in the Baezaeko River – Narcosli Lake region.

SOUTHERN HALF OF STUDY AREA - CHILANKO FORKS AND CHEZACUT MAP SHEETS

There are few well-developed patterns of anomalous till geochemistry (>95th percentile) in the Chilanko Forks-Chezacut map areas relative to those in the Clusko River-Toil Mountain map areas to the north. Those patterns which are present may reflect, in part, underlying bedrock lithology, and indicate areas of potential for the discovery of new mineral prospects.

There are two sites with coincident multi-element anomalies (>95th percentile for each element) that are worthy of note: Au-As-Sb-Hg at site 2012 near Arc Mountain, and As-Sb-Hg-Cu at site 1120 near Pyper Lake in the southeast corner of the survey area. There are no elevated Mo concentrations present at any till sites in the survey area.

Gold

Background Au concentration in tills, as expressed by the median value, is 1 ppb. There are 8 sites with Au concentrations more than ~95th percentile (>8 ppb); of these, 5 sites contain at least 15 ppb Au. As shown in the data listings, INAA reanalysis of the sample capsules from these sites confirms the reproducibility of these anomalous values. There are no distinct Au distribution patterns in till of the Chilanko Forks - Chezacut survey areas. However, most sites with elevated Au values occur in the northern part of the survey area within a roughly triangular-shaped region bounded by Arc Mountain, Luck Mountain, and Redtop Mountain. This area covers a variety of rock units mapped by Tipper (1969): Jurassic rocks of the Hazelton Group, felsic volcanics of the Ootsa Lake Group, and 'unit 10' volcanics. The site with the highest Au concentration in the survey area (site 2012; 57 ppm Au), exhibiting the aforementioned Au-As-Sb-Hg till anomaly, is within this area. Several sites marginal to

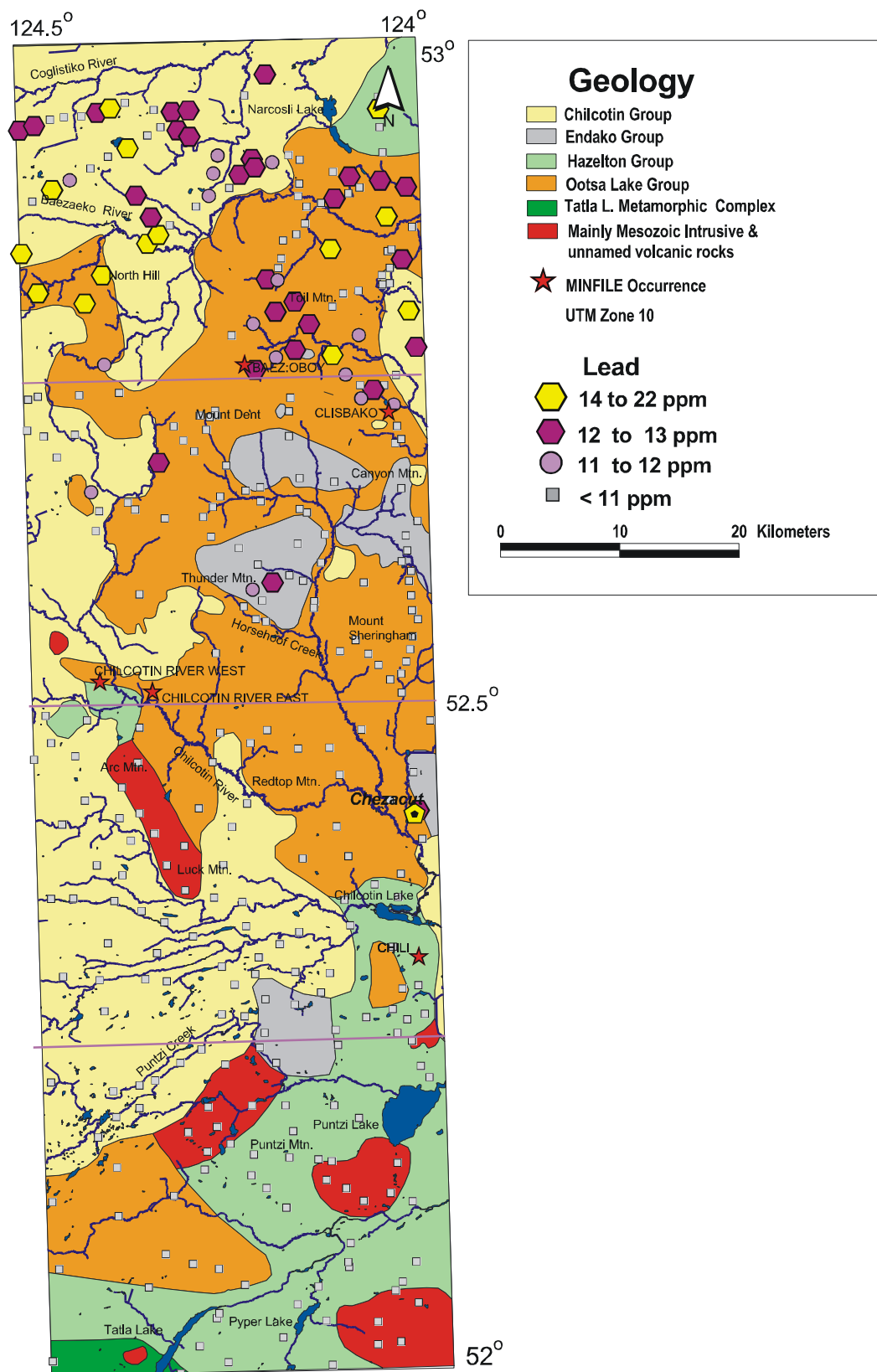


Figure 11. Lead (by aqua regia-ICP) in till.

this region, in the far northwest corner of the survey area, also exhibit elevated concentrations of some rare earth elements including cerium, europium and samarium. The second-highest Au value (site 1156; 25 ppb) is located in the southern part of the survey area between the Chilanko River and Tatla Lake.

Arsenic, Antimony and Mercury

Median As and Sb concentrations (INAA) in till in the combined Chilanko Forks-Chezacut survey area are 1.2 ppm and 0.4 ppm, respectively, slightly lower than those in the Clusko River-Toil Mountain area to the north. Highest As (25 ppm) and Sb (1.6 ppm) concentrations are found in till near the summit of Arc Mountain at site 2012, together with the highest Au value in the survey area. Median Hg concentration (AAS) in till is 20 ppb. The site with the highest Hg concentration (site 1188; 70 ppb) is located at the base of Fit Mountain in the northern part of the Chilanko Forks map area. This site coincides with the maximum Cu value in the survey area (54 ppm).

Overall, elevated As, Sb and Hg concentrations (more than ~95th percentile for each element) are lower in this area than in the Clusko River-Toil Mountain survey area to the north. Here, >95th percentile values correspond to concentrations greater than 5.9 ppm, 0.9 ppm and 40 ppm for As, Sb and Hg, respectively. Elevated concentrations of these elements are most common in the southeastern corner of the survey area on the south side of Tatla Lake Creek and Highway 20. In this area, a northeast-trending region about 20 kilometre long encompasses several till sites with somewhat elevated As-Sb $\pm$ Hg $\pm$ Cu (Appendix 3). This area is underlain by Jurassic Hazelton Group volcanics, and Jurassic gneiss, amphibolite and related rocks (Tipper, 1969).

Zinc

Elevated Zn concentrations (>95th percentile) of at least 92 ppm are confined mainly to the northeast corner of the Chezacut map area (NTS 93C/8). The highest Zn value (site 2189; 122 ppm) is located near the northern border of the map area a few kilometers north of the aforementioned Au-As-Sb-Hg anomaly (site 2012). Most elevated Zn values in till are located in the general region around Jorgensen, Knoll and Palmer creeks. Zinc concentrations in this area fall within the range of 98-114 ppm but are not coincident with elevated lead. Chromium, V, Ti, Ni, and Fe exhibit somewhat similar geochemical patterns here, suggesting a possible lithologic control on till geochemistry in this region. However, there is little geological information available

to differentiate mapped basalts (Tipper, 1969) up ice of this area, from that of adjacent areas.

Summary Southern Half of Study Area

In the Chilanko Forks – Chezacut map areas two areas of interest are defined:

1. A number scattered sites with elevated Au values in the northern part of the survey area. The most notable site in this region, at Arc Mountain, has the highest Au concentration in the survey area (site 2012; 57 ppb Au), as well as a coincident As-Sb-Hg till anomaly.
2. A zone of elevated Zn values in till in the region between Jorgensen, Knoll and Palmer creeks in the northwest part of the survey area.

CONCLUSIONS

Several prospective areas of interest, outlined in Figure 13, have been identified from the till geochemistry.

1. Elevated As-Sb-Hg $\pm$ Au in tills in the vicinity of the Clisbako and Oboy epithermal gold prospects, together form a discontinuous arcuate belt of anomalous samples (Area 1, Figure 13). Elevated metal values in till in the Clisbako region correspond with areas of hydrothermal alteration and with airborne gamma-ray radiometric potassium enhancement.
2. A cluster of till sites with elevated As-Sb-Hg occurs in the Mount Dent region and high copper occurs at one till site (Area 2, Fig. 13).
3. There is a zone of elevated Cu-K $\pm$ Au values above Eocene volcanic units in the Horsehoof Creek - Thunder Mountain area of NTS 93C/9 (Area 3, Fig. 13).
4. There is a small area with coincident Pb-Zn anomalies in till south of the Coglistiko River, in the northwest part of the survey area (Area 4, Fig. 13).
5. Two sites about 10 km apart, on either side of the Baezaeko River (sites 4224 and 4226; Appendix 3), have high zinc and lead (Area 5, Fig. 13). A third till site (4159), about 10 km to the northwest (Fig. 12), also has high lead and the highest zinc concentration in the study area.
6. The highest gold concentration in till and a coincident As-Sb-Hg till anomaly occurs at a site (2012; Appendix 3) on Arc Mountain

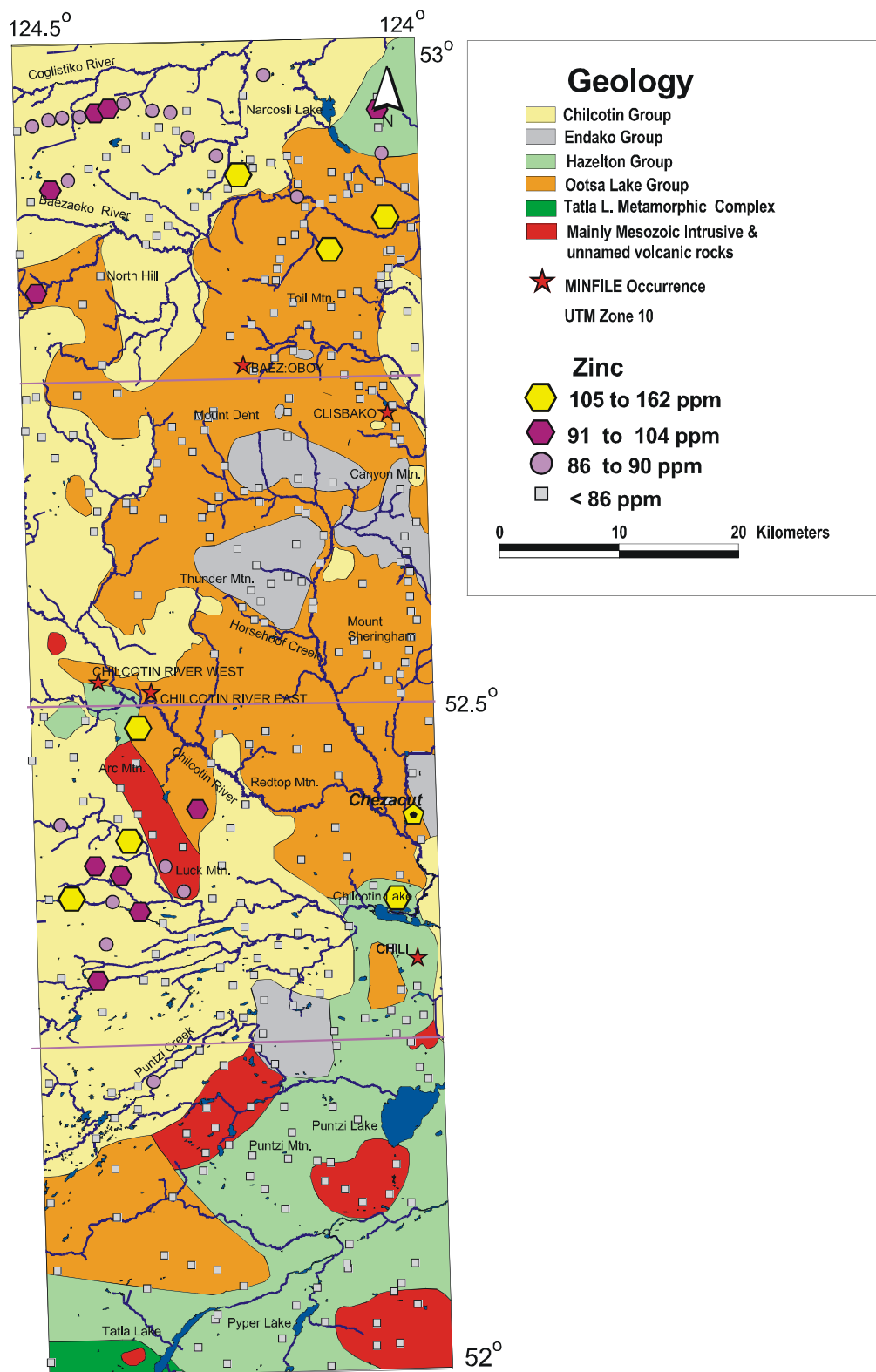


Figure 12. Zinc (by aqua regia-ICP) in till.

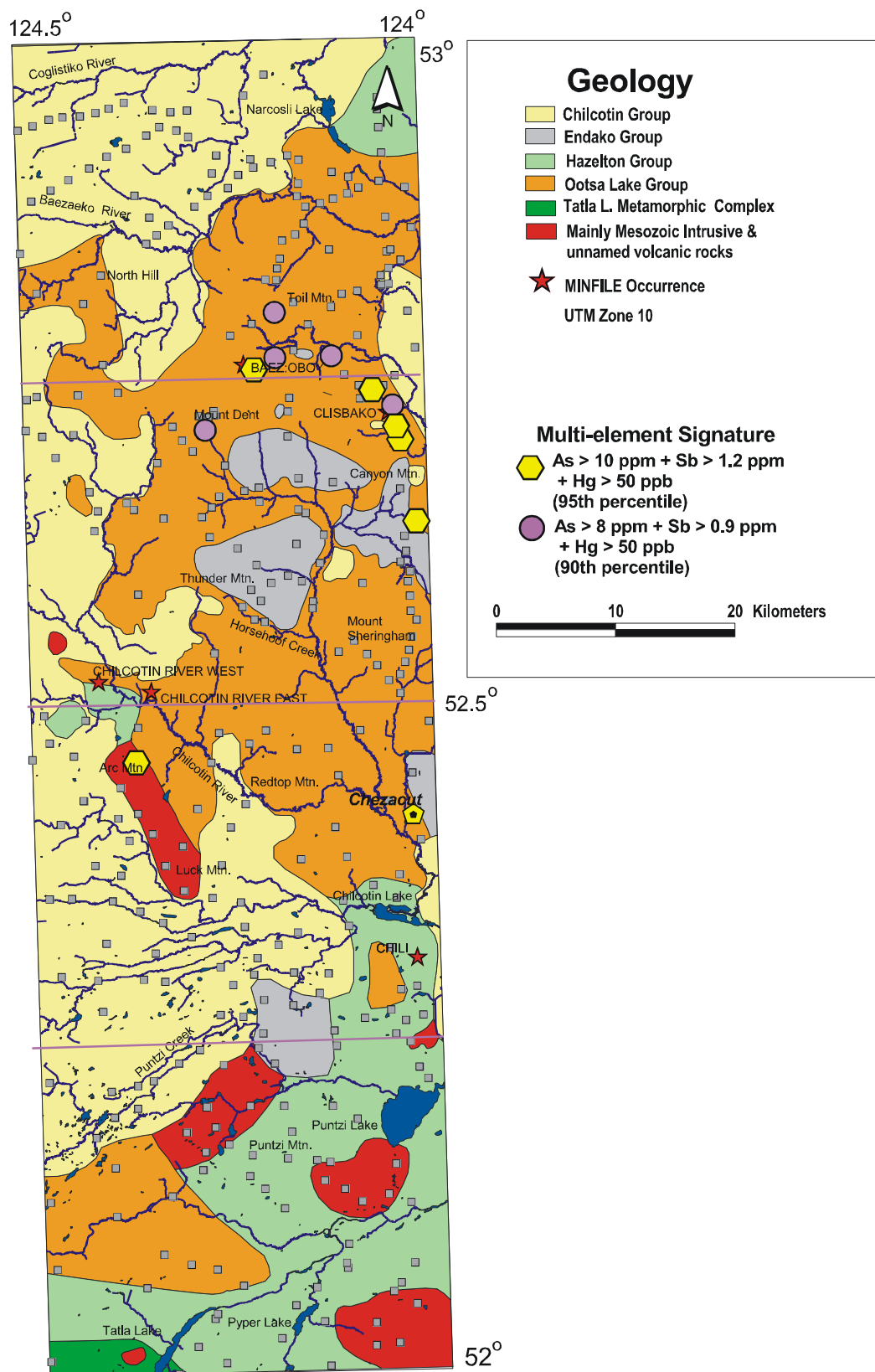


Figure 13. Anomaly summary – the numbers in or near the areas, outlined in white, refer to the conclusions.

(Area 6, Fig. 13). Elevated gold occurs at a number of other sites in the northern part of the Chilanko Forks – Chezacut survey area (Appendix 3).

7. There is a cluster of till sites with elevated Zn values (Fig. 12) in the region between Jorgensen, Knoll and Palmer creeks (Area 7, Fig. 13).

ACKNOWLEDGEMENTS

Tim Giles and Dan Kerr collected the till samples in the Chilanko Forks and Chezacut map areas; Dave Proudfoot and Rochelle Allison carried out the sampling in the Clusko River and Toil Mountain areas. Kathy Otton prepared the till samples in the BC Geological Survey, Victoria, laboratory. Sample analyses were carried out by ALS Chemex Labs and Acme Analytical Laboratories, Vancouver, BC and by Activation Laboratories, Ancaster, Ontario. Ray Lett and Steve Cook were responsible for quality control. Northwood Geoscience Ltd., Ottawa, Ontario prepared the geochemical maps in Appendix 3. Mike Fournier structured the surficial maps in Figures 3 and 4. Paul Matysek provided management support for the project and Peter Bobrowsky managed the till geochemistry component. Nicole Robinson is especially thanked by the authors for a careful and thorough review of the Geofile text. Ryan Hinton is also greatly appreciated for editing and formatting the final report.

DEDICATION

This geochemical report is dedicated to David Proudfoot who mapped the surficial geology of the Clusko River and Toil Mountain areas as a contractor to the Ministry of Energy, Mines and Petroleum Resources (Proudfoot and Allison, 1993a, b). Dave unfortunately passed away in 1998 in the prime of his life after an outstanding professional career. Dave was a great friend and colleague of many Quaternary geologists in Canada and elsewhere. His contribution to this study is only one of many that he made to Quaternary geology in Canada. Dave contributions are recognized formally by the Canadian Quaternary Association (CANQUA) through the “DN Proudfoot Award” which is given at the national CANQUA biennial meeting.

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GEOFILE 2006-1 – APPENDIX 1

Trace Element Results

Sample #	Master identification number for sample.
Map #	Number specific to each 1:50 000 map sheet
Lab #	Unique GSB laboratory number
UTM Z	UTM Zone
UTM E 27	UTM East coordinate (NAD 27)
UTM N 27	UTM North coordinate (NAD 27)
UTM E 83	UTM East coordinate (NAD 83)
UTM N 83	UTM North coordinate (NAD 83)
LONG 27	Longitude (NAD 27)
LAT 27	Latitude (NAD 27)
Element ICP ppm	Element value with method and units. (ICP = ICP-ES, INA = INAA).
Mass g	Sample weight in grams for INAA analysis

Note: Except gold, all element values below detection limit have been set at the detection limit. For gold, values below detection limit are set at one half of the detection limit.

APPENDIX 1 A													ICPES Results																						
Mapsheet #	Sample #	Lab #	UT M Z	UTM E 27	UTM N 27	UTM E 83	UTM N 83	LONG 27	LAT 27	Ag ICP ppm	Al ICP %	As ICP ppm	Ba ICP ppm	Be ICP ppm	Bi ICP ppm	Ca ICP %	Cd ICP ppm	Co ICP ppm	Cr ICP ppm	Cu ICP ppm	Fe ICP %	Hg ICP ppb	K ICP %	Mg ICP %	Mn ICP ppm	Mo ICP ppm	Na ICP %	Ni ICP ppm	P ICP ppm	Pb ICP ppm	Sc ICP ppm	Sr ICP ppm	Ti ICP %	V ICP ppm	Zn ICP ppm
93C01	1104	46506	10	428750	5766900	428655	5767102	-124.038993300	52.048122600	0.1	1.29	4	180	0.3	1	3.96	0.3	7	15	18	2.09	20	0.14	0.45	1110	1	0.02	8	1110	6	4	57	0.07	35	78
93C01	1105	46507	10	427500	5768700	427405	5768902	-124.057600000	52.064141400	0.1	1.32	1	40	0.3	1	0.91	0.3	4	17	20	2.15	30	0.06	0.39	225	1	0.04	7	780	1	5	54	0.13	62	24
93C01	1106	46508	10	426850	5768000	426755	5768202	-124.066930200	52.0577763400	0.1	2.29	1	80	0.3	1	0.75	0.3	5	24	29	2.52	40	0.09	0.45	255	1	0.03	11	540	1	7	64	0.16	66	28
93C01	1109	46509	10	428700	5770300	428605	5770502	-124.040432300	52.078680100	0.1	2.98	1	110	0.3	2	0.74	0.3	8	31	39	3.21	40	0.20	0.75	415	1	0.03	16	490	1	9	61	0.20	80	46
93C01	1113	46510	10	423050	5770100	422955	5770302	-124.122817300	52.076125800	0.1	2.54	1	100	0.3	2	2.35	0.3	9	30	35	3.10	30	0.16	0.97	545	1	0.03	14	970	1	7	80	0.14	67	62
93C01	1115	46512	10	423000	5770500	422905	5770702	-124.123637000	52.079714500	0.1	1.57	2	70	0.3	2	1.96	0.3	6	20	31	2.48	20	0.07	0.74	360	1	0.10	12	820	1	5	99	0.14	60	38
93C01	1120	46513	10	420950	5765700	420855	5765902	-124.152434600	52.036278200	0.1	2.18	6	150	0.3	2	1.23	0.3	12	29	38	2.96	60	0.18	0.90	600	1	0.08	18	750	4	7	74	0.15	72	58
93C01	1122	46514	10	421300	5762000	421205	5762202	-124.146482500	52.003068200	0.1	2.13	1	60	0.3	1	0.62	0.3	8	23	32	2.71	30	0.07	0.79	335	1	0.02	18	600	1	6	50	0.12	52	40
93C01	1125	46515	10	425200	5763550	425105	5763752	-124.090018200	52.017540800	0.1	1.99	6	80	0.3	1	0.95	0.3	9	29	30	2.68	30	0.11	0.69	460	1	0.04	18	990	1	6	72	0.16	66	42
93C01	1127	46516	10	425250	5765450	425155	5765652	-124.089704800	52.034627200	0.1	1.66	4	40	0.3	2	0.57	0.3	2	19	20	1.98	30	0.08	0.37	185	1	0.02	8	290	1	6	45	0.16	57	22
93C01	1129	46517	10	427150	5763700	427055	5763902	-124.061639200	52.019148700	0.1	1.09	1	40	0.3	2	0.71	0.3	3	20	16	2.01	20	0.04	0.32	235	1	0.03	8	860	1	4	48	0.13	59	24
93C01	1133	46518	10	417300	5764450	417205	5764652	-124.205331600	52.024509700	0.1	0.94	1	20	0.3	2	0.78	0.3	3	14	12	1.78	20	0.03	0.28	175	1	0.04	4	610	1	3	41	0.11	56	18
93C01	1135	46519	10	412600	5762550	412505	5762752	-124.273330100	52.006710500	0.1	1.47	14	60	0.3	1	0.67	0.3	3	17	22	2.15	40	0.07	0.42	220	1	0.04	8	490	1	4	42	0.12	58	26
93C01	1136	46520	10	408550	5761800	408455	5762002	-124.332117500	51.999316600	0.1	2.26	6	100	0.3	1	1.49	0.3	8	24	36	2.83	50	0.17	0.84	440	1	0.08	11	740	1	8	71	0.15	77	50
93C01	1137	46522	10	428600	5775350	428505	5775552	-124.042949700	52.124063200	0.1	1.34	1	90	0.3	2	1.03	0.3	6	28	23	2.68	30	0.10	0.63	345	1	0.08	13	1030	1	4	77	0.21	77	42
93C01	1140	46523	10	427450	5778650	427355	5778852	-124.060449100	52.153577900	0.1	1.39	2	70	0.3	1	0.96	0.3	8	27	22	2.54	20	0.09	0.59	370	1	0.06	13	920	1	5	65	0.18	73	38
93C01	1141	46524	10	423250	5772100	423155	5772302	-124.120349800	52.094131800	0.2	1.86	1	60	0.3	2	0.64	0.3	7	22	29	2.38	20	0.19	0.50	260	1	0.03	11	430	1	6	50	0.16	61	36
93C01	1143	46525	10	420400	5768600	420305	5768802	-124.161126500	52.062267700	0.2	1.34	1	60	0.3	1	0.89	0.3	4	19	19	2.42	30	0.09	0.52	295	1	0.07	9	780	1	5	49	0.14	72	36
93C01	1144	46526	10	418600	5767150	418505	5767352	-124.187031600	52.048972200	0.2	2.10	1	80	0.3	4	0.91	0.3	7	20	29	2.64	30	0.13	0.54	320	1	0.06	9	710	1	7	58	0.15	72	34
93C01	1148	46527	10	410250	5764000	410155	5764202	-124.307937800	52.019369000	0.2	1.78	2	80	0.3	4	0.65	0.3	6	24	25	2.61	40	0.13	0.49	260	1	0.03	12	510	1	6	51	0.16	69	46
93C01	1150	46528	10	411750	5766300	411655	5766502	-124.286677400	52.040283500	0.2	1.00	1	40	0.3	1	0.62	0.3	4	18	14	2.07	20	0.06	0.29	195	1	0.03	7	760	1	3	42	0.12	63	24
93C01	1154	46529	10	407700	5771800	407605	5772002	-124.347195800	52.089060100	0.2	1.16	1	40	0.3	4	0.60	0.3	4	30	20	2.31	10	0.08	0.32	195	1	0.05	9	380	1	4	50	0.24	70	28
93C01	1155	46530	10	409950	5770900	409855	5771102	-124.314126900	52.081341100	0.2	1.51	1	60	0.3	6	0.55	0.3	4	23	14	1.89	10	0.08	0.31	205	1	0.02	12	310	1	4	43	0.22	57	30
93C01	1156	46532	10	412100	5770400	412005	5770602	-124.282631100	52.077192400	0.1	1.20	1	30	0.3	6	0.57	0.3	4	22	14	1.92	10	0.08	0.24	175	1	0.02	5	300	1	4	45	0.21	59	22
93C01	1157	46533	10	414250	5768950	414155	5769152	-124.250902300	52.064449500	0.2	1.47	1	70	0.3	2	0.51	0.3	4	21	15	2.20	30	0.14	0.30	255	1	0.02	7	190	1	4	39	0.18	64	34
93C01	1159	46534	10	412000	5766700	411905	5766902	-124.283136400	52.043918700	0.2	1.57	4	80	0.3	1	2.16	0.3	6	23	26	2.37	40	0.16	0.65	335	1	0.08	12	1100	2	6	94	0.15	71	38
93C01	1161	46535	10	424400	5782500	424305	5782702	-124.105879400	52.187776400	0.2	1.56	2	70	0.3	6	0.58	0.3	6	31	23	2.92	40	0.09	0.37	300	1	0.04	14	360	1	6	53	0.24	77	36
93C01	1163	46536	10	422350	5783650	422255	5783852	-124.136124100	52.197828800	0.2	1.56	2	70	0.3	4	0.51	0.3	7	31	21	3.05	30	0.09	0.29	255	1	0.02	13	300	6	5	48	0.30	80	36
93C01	1170	46537	10	422900	5788700	422805	5788902	-124.129229500	52.243299800	0.4	1.15	1	70	0.3	6	0.35	0.3	4	32	15	2.22	30	0.06	0.25	160	1	0.03	11	310	2	4	35	0.39	61	34
93C01	1171	46538	10	416300	5788750	416205	5788952	-124.225884400	52.242785200	0.2	1.67	4	80	0.3	8	0.87	0.3	7	38	26	3.61	30	0.11	0.59	205	1	0.08	24	450	1	5	64	0.34	74	46
93C01	1172	46539	10	418400	5779450	418305	5779652	-124.192894100	52.159505600	0.2	1.68	1	120	0.3	1	0.81	0.3	9	31	33	3.10	20	0.17	0.72	385	1	0.07	18	980	1	5	71	0.20	75	52
93C01	1174	46540	10	415450	5779850	415355	5780052	-124.236108500	52.162657200	0.2	1.71	1	90	0.3	4	0.54	0.3	6	25	21	2.29	30	0.09	0.40	295	1	0.03	14	600	1	4	49	0.23	57	44
93C01	1176	46542	10	418850	5781650	418755	5781852	-124.186843300	52.179347300	0.2	1.77	1	130	0.3	2	0.84	0.3	9	29	30	3.05	30	0.17	0.69	455	1	0.07	16	900	1	6	74	0.18	75	52
93C01	1178	46543	10	418250	5783850	418155	5784052	-124.196147100	52.199033800	0.2	1.04	1	80	0.3	1	0.68	0.3	10	26	22	2.86	30	0.08	0.49	420	1	0.06	13	910	1	3	50	0.19	72	44
93C01	1184	46544	10	417650	5787400	417555	5787602	-124.205787900	52.230854200	0.2	2.30	6	100	0.3	4	0.91	0.3	8	36	33	3.68	30	0.14	0.63	305	1	0.04	20	880	2	7	55	0.26	79	46
93C01	1188	46545	10	415450	5783950	415355	5784152	-124.237130800	52.199510400	0.4	1.18	2	70	0.3	4	4.60	0.3	8	23	54	2.18	70	0.11	0.78	365	1	0.09	12	1720	1	3	133	0.19	55	34
93C01	1190	46546	10	411750	5784000	411655	5784202	-124.291267500	52.199379900	0.2	1.28	1	90	0.3	2	0.31	0.3	7	34	14	2.89	20	0.08	0.19	275	1	0.02	12	400	1	2	30	0.30	79	56
93C01</																																			

APPENDIX 1 A ICPES Results																																			
Mapsheet #	Sample #	Lab #	UT M Z	UTM E 27	UTM N 27	UTM E 83	UTM N 83	LONG 27	LAT 27	Ag ICP ppm	Al ICP %	As ICP ppm	Ba ICP ppm	Be ICP ppm	Bi ICP ppm	Ca ICP %	Cd ICP ppm	Co ICP ppm	Cr ICP ppm	Cu ICP ppm	Fe ICP %	Hg ICP ppb	K ICP %	Mg ICP %	Mn ICP ppm	Mo ICP ppm	Na ICP %	Ni ICP ppm	P ICP ppm	Pb ICP ppm	Sc ICP ppm	Sr ICP ppm	Ti ICP %	V ICP ppm	Zn ICP ppm
93C01	1236	46572	10	416400	5777000	416305	5777202	-124.221521800	52.137184100	0.2	1.35	1	80	0.3	1	0.33	0.3	8	32	14	2.67	20	0.14	0.23	170	1	0.02	14	1040	1	3	39	0.26	69	40
93C01	1237	46573	10	418000	5775300	417905	5775502	-124.197739100	52.122143000	0.2	1.61	1	60	0.3	6	0.64	0.3	8	29	26	2.92	20	0.11	0.47	285	1	0.04	14	670	1	5	50	0.21	72	38
93C01	1241	46574	10	429100	5788800	429005	5789002	-124.038460300	52.245032400	0.1	1.23	1	70	0.3	2	0.75	0.3	13	41	26	3.86	20	0.10	0.89	475	1	0.07	27	1120	1	4	59	0.32	87	62
93C01	1243	46575	10	429750	5786650	429655	5786852	-124.028494700	52.225789100	0.2	1.81	1	100	0.3	4	2.28	0.3	14	48	32	3.39	30	0.23	1.08	575	1	0.06	28	1040	1	7	107	0.25	86	52
93C01	1245	46576	10	430450	5785700	430355	5785902	-124.018052800	52.217338200	0.2	1.92	2	90	0.3	4	1.25	0.3	12	34	36	3.43	40	0.25	0.96	455	1	0.07	21	830	4	6	93	0.23	79	50
93C01	1252	46577	10	426800	5776150	426705	5776352	-124.069409800	52.131019200	0.2	1.95	1	70	0.3	2	1.19	0.3	8	27	27	2.77	40	0.15	0.78	360	1	0.05	14	890	1	7	86	0.20	69	42
93C01	1254	46578	10	398650	5786550	398555	5786752	-124.483644000	52.220045600	0.1	1.55	1	90	0.3	4	0.29	0.3	9	35	14	2.85	20	0.06	0.25	240	1	0.01	17	280	1	3	26	0.34	68	60
93C01	1255	46579	10	403900	5779200	403805	5779402	-124.404732200	52.154925000	0.2	1.04	1	130	0.3	2	0.40	0.3	7	28	17	2.66	20	0.15	0.25	245	1	0.02	10	500	2	3	34	0.25	71	52
93C01	1256	46580	10	411250	5778750	411155	5778952	-124.297207800	52.152110600	0.2	1.08	1	60	0.3	1	0.42	0.3	4	25	13	2.44	20	0.26	0.52	305	1	0.02	8	290	1	3	51	0.19	61	46
93C01	1257	46582	10	398700	5770900	398605	5771102	-124.478245700	52.079396900	0.1	1.38	1	60	0.3	1	0.38	0.3	7	28	13	2.18	20	0.08	0.28	240	1	0.01	13	200	1	3	32	0.22	62	44
93C01	1258	46583	10	397850	5763250	397755	5763452	-124.488358800	52.010483700	0.1	1.21	2	70	0.3	2	0.43	0.3	3	15	12	1.85	10	0.08	0.24	255	1	0.02	6	380	1	3	29	0.13	52	36
93C01	1259	46584	10	406150	5769100	406055	5769302	-124.369069600	52.064531100	0.1	1.43	1	80	0.3	6	0.34	0.3	6	22	12	1.88	10	0.06	0.28	165	1	0.01	12	340	1	2	26	0.19	54	38
93C08	2001	46414	10	399500	5817200	399405	5817402	-124.480383900	52.495665900	0.2	1.16	1	60	0.3	2	0.75	0.3	14	42	24	4.59	10	0.08	0.95	610	1	0.07	28	980	1	4	67	0.35	86	82
93C08	2003	46415	10	399850	5814900	399755	5815102	-124.474538700	52.475059700	0.1	0.80	1	30	0.3	8	0.53	0.3	9	26	18	3.39	10	0.06	0.56	510	1	0.05	19	930	1	3	39	0.28	54	68
93C08	2005	46416	10	398350	5813600	398255	5813802	-124.496219200	52.463099100	0.1	1.06	1	40	0.3	6	0.66	0.3	9	33	22	4.20	10	0.08	0.72	555	1	0.07	22	980	1	4	54	0.32	71	84
93C08	2007	46417	10	402950	5816700	402855	5816902	-124.429436500	52.491797000	0.1	1.28	2	70	0.3	1	0.76	0.3	16	39	27	4.39	10	0.11	1.00	680	1	0.07	32	1150	1	4	59	0.32	85	80
93C08	2009	46418	10	401850	5813750	401755	5813952	-124.444763800	52.465087500	0.2	1.77	1	60	0.3	10	0.57	0.3	11	47	26	5.12	20	0.11	0.56	450	1	0.04	28	970	1	8	46	0.43	90	76
93C08	2012	46419	10	407050	5813000	406955	5813202	-124.368035400	52.459256700	0.2	1.81	18	240	0.3	2	0.49	0.3	12	42	29	4.34	50	0.13	0.52	760	1	0.03	33	530	2	9	38	0.26	77	76
93C08	2015	46420	10	405650	5810950	405555	5811152	-124.388054600	52.440592000	0.4	2.40	1	70	0.3	4	0.37	0.3	13	52	26	5.07	20	0.08	0.35	455	1	0.03	29	670	1	8	47	0.54	98	82
93C08	2016	46422	10	407050	5808750	406955	5808952	-124.366882600	52.421058900	0.1	0.78	1	40	0.3	6	0.73	0.3	15	42	19	4.62	10	0.05	1.05	635	2	0.08	30	930	1	3	57	0.35	88	84
93C08	2018	46423	10	408200	5807000	408105	5807202	-124.349466500	52.405524400	0.1	0.78	4	30	0.3	4	0.75	0.3	17	47	20	4.70	10	0.04	1.16	605	1	0.08	36	960	1	3	61	0.37	93	82
93C08	2021	46424	10	409150	5804300	409055	5804502	-124.334773100	52.381415600	0.1	1.45	8	60	0.3	1	0.70	0.3	20	59	31	5.51	10	0.08	1.43	670	1	0.06	46	990	1	5	51	0.37	101	88
93C08	2025	46425	10	410600	5802150	410505	5802352	-124.312902600	52.362329900	0.1	0.95	1	40	0.3	6	0.85	0.3	22	57	24	5.33	10	0.06	1.49	695	1	0.11	44	980	1	3	67	0.38	107	86
93C08	2027	46426	10	413000	5801450	412905	5801652	-124.277485000	52.356424500	0.2	1.88	1	70	0.3	1	0.68	0.3	13	64	35	5.32	20	0.12	0.81	455	1	0.06	45	1060	1	7	56	0.43	95	68
93C08	2033	46427	10	413350	5812750	413255	5812952	-124.275273100	52.458045500	0.1	1.58	1	110	0.3	1	0.91	0.3	15	39	31	4.24	20	0.13	0.99	680	1	0.08	29	1050	1	5	60	0.29	82	78
93C08	2036	46428	10	402500	5810000	402405	5810202	-124.434103900	52.431501000	0.2	0.93	1	40	0.3	4	5.62	0.3	8	31	23	3.40	10	0.11	1.23	465	1	0.08	18	1020	1	3	199	0.32	70	66
93C08	2037	46429	10	405350	5808400	405255	5808602	-124.391744500	52.417621600	0.4	1.48	2	30	0.3	4	0.51	0.3	12	36	23	4.42	10	0.17	0.67	430	1	0.03	24	870	2	6	37	0.39	75	64
93C08	2040	46430	10	405400	5803650	405305	5803852	-124.389667600	52.374938700	0.2	2.38	1	80	0.3	2	0.36	0.3	14	65	22	5.15	20	0.12	0.32	495	1	0.02	40	510	1	8	34	0.58	111	102
93C08	2041	46432	10	403250	5804550	403155	5804752	-124.421500300	52.382652000	0.2	2.44	1	80	0.3	8	0.37	0.3	16	61	26	5.31	20	0.10	0.44	515	1	0.02	44	980	1	7	41	0.57	113	104
93C08	2042	46433	10	406200	5806500	406105	5806702	-124.378717400	52.400691400	0.1	3.01	1	110	0.3	6	0.30	0.3	15	58	21	4.76	20	0.10	0.31	405	1	0.02	41	640	1	7	43	0.54	100	114
93C08	2044	46434	10	410700	5805850	410605	5806052	-124.312420200	52.395601900	0.2	2.20	12	70	0.3	6	0.52	0.3	12	56	29	5.02	30	0.10	0.58	450	1	0.04	30	1150	1	8	43	0.52	106	70
93C08	2047	46435	10	413900	5804150	413805	5804352	-124.264966300	52.380834700	0.6	2.26	1	100	0.3	2	0.43	0.3	9	42	24	3.94	20	0.08	0.42	420	1	0.02	25	600	1	8	39	0.46	74	78
93C08	2055	46436	10	416100	5809200	416005	5809402	-124.233918400	52.426566800	0.2	1.40	1	60	0.3	6	0.24	0.3	11	64	19	4.48	20	0.06	0.26	350	1	0.01	25	310	1	6	24	0.53	118	72
93C08	2056	46437	10	414750	5807300	414655	5807502	-124.253283400	52.409280500	0.2	1.51	4	90	0.3	2	0.36	0.3	8	46	18	4.03	20	0.10	0.35	375	1	0.02	21	500	1	6	34	0.40	87	74
93C08	2058	46438	10	414100	5815200	414005	5815402	-124.264869100	52.480184700	0.2	1.82	1	80	0.3	6	0.39	0.3	11	55	25	4.60	20	0.09	0.40	350	1	0.03	29	580	1	8	35	0.46	96	66
93C08	2060	46439	10	416600	5814200	416505	5814402	-124.227815900	52.471584400	0.4	2.07	1	120	0.3	4	0.60	0.3	11	46	32	4.45	30	0.15	0.57	385	1	0.03	28	800	1	9	49	0.36	83	74
93C08	2062	46440	10	420600	5813600	420505	5813802	-124.168798700	52.466787800	0.4	1.89	1	110	0.3	1	0.56	0.3	10	45	31	4.04	30	0.16	0.58	320	1	0.04	23	630	1	7	50	0.29	76	62
93C08	2064	46442	10	423200	5813550																														

APPENDIX 1 A ICPES Results																																			
Mapsheet #	Sample #	Lab #	UT M Z	UTM E 27	UTM N 27	UTM E 83	UTM N 83	LONG 27	LAT 27	Ag ICP ppm	Al ICP %	As ICP ppm	Ba ICP ppm	Be ICP ppm	Bi ICP ppm	Ca ICP %	Cd ICP ppm	Co ICP ppm	Cr ICP ppm	Cu ICP ppm	Fe ICP %	Hg ICP ppb	K ICP %	Mg ICP %	Mn ICP ppm	Mo ICP ppm	Na ICP %	Ni ICP ppm	P ICP ppm	Pb ICP ppm	Sc ICP ppm	Sr ICP ppm	Ti ICP %	V ICP ppm	Zn ICP ppm
93C08	2131	46467	10	427600	5791500	427505	5791702	-124.061005500	52.269107400	0.2	1.51	2	60	0.3	4	0.57	0.3	11	47	21	4.17	20	0.19	0.60	385	1	0.04	22	850	1	6	48	0.39	95	56
93C08	2132	46468	10	424350	5798650	424255	5798852	-124.110230500	52.332939900	0.1	0.83	1	40	0.3	6	0.77	0.3	18	52	21	4.70	20	0.05	1.26	560	1	0.09	37	1020	1	3	61	0.37	102	70
93C08	2135	46469	10	427850	5796700	427755	5796902	-124.058456200	52.315883000	0.4	2.74	1	90	0.3	2	0.71	0.3	10	50	35	4.54	30	0.18	0.70	375	1	0.04	34	1080	1	10	59	0.34	81	72
93C08	2138	46470	10	428500	5793200	428405	5793402	-124.048179100	52.284506600	0.1	2.04	2	110	0.3	1	0.86	0.3	14	47	32	4.35	30	0.16	0.97	605	1	0.06	31	1100	1	8	67	0.31	101	64
93C08	2142	46472	10	411100	5798250	411005	5798452	-124.304529500	52.327357700	0.4	2.35	1	80	0.3	8	0.54	0.3	11	64	33	5.20	20	0.11	0.56	350	1	0.04	41	850	1	9	52	0.49	95	64
93C08	2143	46473	10	408750	5799550	408655	5799752	-124.339356500	52.338656300	0.2	1.47	6	50	0.3	4	0.30	0.3	11	74	22	4.40	20	0.10	0.30	335	1	0.02	28	320	1	5	28	0.58	110	80
93C08	2144	46474	10	406850	5800550	406755	5800752	-124.367513300	52.347324800	0.2	2.55	1	90	0.3	1	0.35	0.3	13	68	24	4.81	30	0.12	0.34	400	1	0.03	39	490	1	7	37	0.56	106	102
93C08	2147	46475	10	401200	5801850	401105	5802052	-124.450814200	52.358019800	0.2	2.74	4	90	0.3	2	0.33	0.3	15	80	25	5.20	30	0.12	0.38	415	1	0.03	47	690	1	7	40	0.62	125	108
93C08	2148	46476	10	399300	5801900	399205	5802102	-124.478719500	52.358123400	0.2	2.42	1	70	0.3	6	0.57	0.3	19	56	30	5.36	30	0.15	0.63	500	1	0.06	40	1090	1	7	53	0.51	101	78
93C08	2149	46477	10	404600	5801500	404505	5801702	-124.400804400	52.355476400	0.2	2.38	1	80	0.3	8	0.36	0.3	15	68	23	4.71	20	0.12	0.35	405	1	0.02	35	360	1	8	36	0.55	108	86
93C08	2152	46478	10	416550	5796300	416455	5796502	-124.224092200	52.310686200	0.2	1.89	1	90	0.3	1	0.65	0.3	13	54	24	4.57	20	0.34	0.52	470	1	0.04	30	420	1	7	58	0.47	92	68
93C08	2154	46479	10	413400	5795650	413305	5795852	-124.270118900	52.304356000	0.2	1.35	1	30	0.3	1	0.50	0.3	13	58	25	4.56	20	0.13	0.49	335	1	0.04	31	790	1	5	43	0.46	97	54
93C08	2155	46480	10	406950	5794850	406855	5795052	-124.364468600	52.296110700	0.2	2.03	2	70	0.3	1	0.37	0.3	13	64	22	4.39	20	0.08	0.30	365	1	0.03	35	340	1	6	40	0.54	101	74
93C08	2157	46482	10	403100	5794950	403005	5795152	-124.420934700	52.296343900	0.2	2.82	10	100	0.3	14	0.39	0.3	14	73	30	4.82	30	0.10	0.37	410	1	0.03	39	470	1	7	46	0.57	109	98
93C08	2160	46483	10	403950	5798000	403855	5798202	-124.409344900	52.323905900	0.2	1.77	1	70	0.3	6	0.60	0.3	10	57	24	4.00	20	0.21	0.49	405	1	0.03	30	620	1	6	44	0.43	80	90
93C08	2163	46484	10	408000	5797000	407905	5797202	-124.349663900	52.315611800	0.2	2.04	4	70	0.3	10	0.33	0.3	12	70	24	4.58	20	0.07	0.32	350	1	0.02	33	310	1	7	35	0.57	106	70
93C08	2166	46581	10	408750	5794600	408655	5794802	-124.338013900	52.294165700	0.2	1.28	1	20	0.3	1	0.36	0.3	12	46	15	4.06	10	0.22	0.46	280	1	0.02	20	710	2	3	26	0.38	87	62
93C08	2168	46485	10	416750	5789950	416655	5790152	-124.219591000	52.253639700	0.2	1.50	1	70	0.3	1	0.46	0.3	9	40	21	3.62	20	0.08	0.37	250	1	0.03	23	770	1	4	39	0.35	78	42
93C08	2170	46486	10	416950	5792750	416855	5792952	-124.217350900	52.278837700	0.1	1.18	1	70	0.3	6	0.86	0.3	15	44	26	4.09	20	0.11	1.15	545	1	0.10	31	1240	1	3	78	0.32	85	64
93C08	2172	46487	10	416200	5794900	416105	5795102	-124.228876400	52.298049100	0.2	1.29	10	70	0.3	1	0.98	0.3	16	46	31	4.24	20	0.14	1.25	575	1	0.12	33	1310	1	4	70	0.34	93	66
93C08	2173	46488	10	414400	5794100	414305	5794302	-124.255062300	52.290580900	0.4	1.40	2	50	0.3	2	0.38	0.3	9	54	18	3.82	20	0.09	0.28	315	1	0.02	22	490	1	4	35	0.48	94	70
93C08	2175	46489	10	413250	5791650	413155	5791852	-124.271288600	52.268379100	0.2	1.53	1	70	0.3	2	0.40	0.3	8	46	17	3.49	20	0.10	0.28	410	1	0.02	20	280	2	4	37	0.46	86	66
93C08	2178	46490	10	415150	5791400	415055	5791602	-124.243389200	52.266428500	0.2	1.61	4	60	0.3	1	0.36	0.3	9	44	18	3.43	20	0.11	0.29	250	1	0.02	23	490	1	3	33	0.42	87	66
93C08	2182	46492	10	429850	5793400	429755	5793602	-124.028433500	52.286478300	0.2	1.42	1	70	0.3	2	0.36	0.3	6	44	18	3.01	20	0.06	0.29	275	1	0.02	18	250	1	6	32	0.41	84	60
93C08	2184	46493	10	428800	5790600	428705	5790802	-124.043233100	52.261174000	0.2	2.18	1	70	0.3	12	0.66	0.3	10	51	38	4.41	30	0.15	0.65	355	1	0.03	26	870	1	8	54	0.35	98	58
93C08	2185	46494	10	430250	5791000	430155	5791202	-124.022073900	52.264955400	0.2	2.74	1	100	0.3	2	0.77	0.3	12	51	35	4.45	30	0.18	0.72	505	1	0.03	25	1210	1	10	65	0.38	104	70
93C08	2186	46495	10	427900	5789500	427805	5789702	-124.056182700	52.251168800	0.1	1.39	1	90	0.3	6	1.45	0.3	12	40	27	3.67	30	0.13	0.91	460	1	0.08	25	980	1	4	81	0.25	84	54
93C08	2187	46496	10	431750	5815500	431656	5815702	-124.005085100	52.485374300	0.2	1.27	1	80	0.3	1	0.26	0.3	6	40	16	2.39	30	0.11	0.27	190	1	0.02	12	200	1	6	28	0.24	65	38
93C08	2188	46497	10	418050	5815250	417955	5815452	-124.206732400	52.481241600	0.4	0.91	1	70	0.3	2	0.26	0.3	1	27	10	1.42	20	0.06	0.19	90	1	0.02	7	250	1	3	25	0.30	35	26
93C08	2189	46498	10	407350	5815900	407255	5816102	-124.364427400	52.485371900	0.4	2.74	8	90	0.3	6	0.39	0.3	11	45	19	4.17	30	0.15	0.38	360	1	0.02	32	1260	1	6	34	0.40	84	122
93C08	2190	46499	10	400500	5808100	400405	5808302	-124.462945600	52.414064600	0.4	1.79	1	50	0.3	1	0.32	0.3	9	48	23	4.75	20	0.21	0.33	435	1	0.02	25	590	1	7	30	0.49	91	88
93C08	2191	46500	10	412050	5808950	411955	5809152	-124.293399900	52.423683400	0.1	2.25	1	120	0.3	6	0.26	0.3	11	55	24	4.00	20	0.09	0.25	285	1	0.02	23	550	1	5	32	0.45	93	92
93C08	2192	46502	10	420550	5804400	420455	5804602	-124.167347900	52.384086900	0.6	1.11	6	80	0.3	2	0.30	0.3	3	39	20	2.44	20	0.07	0.27	190	1	0.02	14	290	8	4	27	0.44	62	56
93C08	2193	46503	10	423550	5806950	423455	5807152	-124.123860800	52.407434900	0.4	2.59	6	240	0.3	1	0.48	0.3	8	50	28	3.85	40	0.18	0.53	300	1	0.02	20	410	1	10	55	0.40	98	56
93C08	2194	46504	10	400050	5795350	399955	5795552	-124.465762700	52.299392500	0.2	1.11	6	30	0.3	4	0.45	0.3	11	48	16	3.69	20	0.11	0.41	290	1	0.03	21	820	1	4	26	0.39	90	62
93C08	2195	46505	10	403400	5792300	403305	5792502	-124.415777500	52.272579100	0.4	2.19	1	110	0.3	2	0.40	0.3	2	39	12	1.41	20	0.11	0.33	140	1	0.02	17	640	1	5	32	0.41	38	48
93C09	3002	46856	10	400300	5840550	400205	5840752	-124.475640300	52.705660800	0.1	1.86	1	90	0.3	1	0.56	0.3	22	76	23	4.68	10	0.04	1.60	560	1	0.05	71	1080	1	4	130	0.44	83	84
93C0																																			

APPENDIX 1 A																																				
ICPES Results																																				
Mapsheet	Sample	Lab	UT	UTM	UTM	UTM	UTM			Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sc	Sr	Ti	V	Zn	
#	#	#	M Z	E 27	N 27	E 83	N 83	LONG 27	LAT 27	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	
										ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	%	%	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
93C09	3062	46780	10	402950	5840600	402855	5840802	-124.436446	500	0.1	0.91	1	100	0.3	4	0.33	0.3	11	36	15	2.62	20	0.05	0.59	345	1	0.03	28	630	1	2	36	0.26	56	50	
93C09	3067	46782	10	406800	5843950	406705	5844152	-124.380431	1100	0.1	2.71	2	170	0.3	1	0.24	0.3	9	35	18	2.74	20	0.06	0.37	235	1	0.01	19	510	4	6	30	0.19	57	48	
93C09	3070	46783	10	403450	5843900	403355	5844102	-124.430018	400	0.1	1.55	2	250	0.3	2	0.31	0.3	7	30	18	2.39	20	0.08	0.29	185	1	0.01	13	310	2	5	44	0.18	53	38	
93C09	3074	46855	10	423150	5829050	423055	5829252	-124.134845	000	0.1	1.81	8	360	0.3	1	0.69	0.3	9	37	32	3.00	20	0.52	0.50	315	1	0.04	18	690	8	7	81	0.25	71	46	
93C09	3079	46784	10	423600	5831400	423505	5831602	-124.128744	400	0.2	1.32	10	140	0.3	2	0.43	0.3	8	36	20	2.91	20	0.16	0.35	260	1	0.03	14	600	1	5	84	0.24	79	46	
93C09	3081	46785	10	422150	5833300	422055	5833502	-124.150610	300	0.1	1.31	1	140	0.3	1	0.47	0.3	10	49	23	3.08	40	0.11	0.47	315	1	0.04	23	700	1	4	57	0.26	75	52	
93C09	3082	46786	10	421550	5833600	421455	5833802	-124.159547	600	0.2	2.06	2	130	0.3	1	0.38	0.3	13	64	24	3.53	20	0.13	0.40	350	1	0.03	25	610	1	7	76	0.35	85	50	
93C09	3083	46787	10	421250	5830700	421155	5830902	-124.163289	200	0.1	2.47	2	150	0.3	1	0.38	0.3	11	40	31	3.55	20	0.12	0.48	325	1	0.03	17	240	6	9	72	0.26	63	52	
93C09	3092	46788	10	422400	5825300	422305	5825502	-124.145038	900	0.1	1.17	4	160	0.3	2	0.50	0.3	12	40	20	3.03	20	0.13	0.55	435	1	0.03	21	640	1	3	45	0.20	70	54	
93C09	3093	46789	10	413500	5841750	413405	5841952	-124.280642	700	0.1	1.54	1	260	0.3	1	0.47	0.3	14	53	42	4.42	-1	0.08	0.70	430	1	0.02	39	640	1	7	48	0.31	87	82	
93C09	3094	46790	10	414800	5842100	414705	5842302	-124.261491	900	0.1	1.57	4	140	0.3	1	0.34	0.3	7	34	31	2.57	20	0.09	0.39	175	1	0.01	18	430	1	6	40	0.12	51	40	
93C09	3096	46792	10	414800	5841750	414705	5841952	-124.261401	1100	0.1	1.56	4	160	0.3	1	0.47	0.3	12	53	31	3.41	290	0.08	0.42	450	1	0.02	27	770	2	5	60	0.23	66	60	
93C09	3097	46793	10	414300	5841600	414205	5841802	-124.268762	600	0.2	1.04	1	80	0.3	1	0.21	0.3	10	53	20	2.81	50	0.07	0.22	295	1	0.01	18	290	1	2	23	0.28	62	50	
93C09	3100	46794	10	414000	5840550	413905	5840752	-124.272928	100	0.1	2.24	8	160	0.3	1	0.50	0.3	13	37	31	3.29	70	0.12	0.60	585	1	0.03	32	680	4	6	50	0.19	60	66	
93C09	3105	46795	10	415550	5837500	415455	5837702	-124.249208	900	0.1	1.77	4	120	0.3	1	0.43	0.3	12	36	19	3.16	30	0.11	0.39	350	1	0.04	20	600	4	5	45	0.30	76	58	
93C09	3108	46796	10	417100	5835350	417005	5835552	-124.225745	700	0.1	1.81	4	160	0.3	1	0.40	0.3	13	48	23	3.68	30	0.11	0.56	315	1	0.03	29	600	4	8	44	0.30	89	62	
93C09	3109	46797	10	404350	5832500	404255	5832702	-124.413380	600	0.1	1.66	12	60	0.3	1	0.50	0.3	17	45	17	4.63	20	0.04	0.64	405	1	0.04	29	1010	4	6	53	0.50	94	78	
93C09	3111	46798	10	404700	5834150	404605	5834352	-124.408686	900	0.1	1.68	8	90	0.3	1	0.52	0.3	15	41	21	4.01	20	0.09	0.63	425	1	0.06	27	790	4	5	52	0.36	81	70	
93C09	3112	46799	10	429950	5828900	429855	5829102	-124.034416	200	0.1	1.69	2	130	0.3	1	0.40	0.3	7	26	14	2.41	20	0.08	0.31	195	1	0.03	15	710	4	5	39	0.24	46	46	
93C09	3113	46800	10	430450	5829750	430355	5829952	-124.027212	900	0.1	1.50	2	130	0.3	1	0.36	0.3	8	31	15	2.30	50	0.11	0.29	225	1	0.04	18	430	4	4	32	0.19	51	44	
93C09	3114	46802	10	430700	5828050	430605	5828252	-124.023165	000	0.1	1.00	2	130	0.3	1	0.38	0.3	6	26	9	1.76	20	0.08	0.18	175	1	0.06	10	460	6	3	35	0.21	52	34	
93C09	3115	46803	10	430500	5827250	430405	5827452	-124.025949	300	0.1	3.38	4	220	0.5	1	0.35	0.3	11	39	18	3.11	20	0.09	0.36	250	1	0.02	19	400	8	7	44	0.23	62	52	
93C09	3116	46804	10	430600	5826000	430505	5826202	-124.024211	400	0.1	3.88	1	300	0.5	1	0.36	0.3	13	43	22	3.17	30	0.13	0.39	405	1	0.02	29	500	6	7	45	0.22	60	76	
93C09	3117	46805	10	430650	5824750	430555	5824952	-124.023212	000	0.1	1.54	1	120	0.3	1	0.29	0.3	6	34	12	2.14	20	0.07	0.25	165	1	0.02	15	430	4	3	29	0.23	49	44	
93C09	3118	46806	10	431100	5824000	431005	5824202	-124.016417	900	0.1	1.14	2	110	0.3	1	0.27	0.3	8	34	15	2.49	20	0.07	0.22	200	1	0.03	14	370	4	4	30	0.23	66	42	
93C09	3121	46807	10	430600	5822600	430505	5822802	-124.023499	700	0.1	1.53	2	120	1.0	1	0.26	0.3	9	34	14	2.53	10	0.09	0.21	280	1	0.02	15	310	8	4	36	0.28	64	46	
93C09	3122	46808	10	430350	5821500	430255	5821702	-124.026955	300	0.1	0.97	1	100	0.3	1	0.32	0.3	7	33	13	2.30	20	0.11	0.22	220	1	0.03	11	410	4	3	35	0.25	65	42	
93C09	3123	46809	10	429950	5820500	429855	5820702	-124.032641	1100	0.1	0.81	4	90	0.3	1	0.36	0.3	7	30	12	2.06	20	0.08	0.24	220	1	0.03	12	490	6	3	33	0.24	59	40	
93C09	3124	46810	10	429500	5819500	429405	5819702	-124.039061	500	0.1	1.27	4	90	0.3	1	0.26	0.3	7	35	11	2.35	10	0.07	0.23	190	1	0.02	12	190	6	4	28	0.33	54	46	
93C09	3125	46812	10	429500	5817900	429405	5818102	-124.038722	200	0.1	1.37	4	80	0.3	1	0.32																				

APPENDIX 1 A ICPES Results																																			
Mapsheet #	Sample #	Lab #	UT M Z	UTM E 27	UTM N 27	UTM E 83	UTM N 83	LONG 27	LAT 27	Ag ICP ppm	Al ICP %	As ICP ppm	Ba ICP ppm	Be ICP ppm	Bi ICP ppm	Ca ICP %	Cd ICP ppm	Co ICP ppm	Cr ICP ppm	Cu ICP ppm	Fe ICP %	Hg ICP ppb	K ICP %	Mg ICP %	Mn ICP ppm	Mo ICP ppm	Na ICP ppm	Ni ICP ppm	P ICP ppm	Pb ICP ppm	Sc ICP ppm	Sr ICP ppm	Ti ICP %	V ICP ppm	Zn ICP ppm
93C09	3178	46847	10	407800	5827050	407705	5827252	-124.360897700	52.585660000	0.1	1.82	1	110	0.3	1	0.28	0.3	11	51	17	2.91	20	0.05	0.33	245	1	0.01	31	210	6	6	29	0.26	49	60
93C09	3180	46848	10	414000	5821850	413905	5822052	-124.268060600	52.539939000	0.1	2.87	10	160	0.3	1	0.25	0.3	12	52	16	3.91	20	0.05	0.28	220	1	0.01	30	280	2	6	28	0.38	70	84
93C09	3183	46849	10	424450	5821600	424355	5821802	-124.113953500	52.539242000	0.1	1.91	6	120	0.3	1	0.30	0.3	9	44	18	3.23	20	0.04	0.34	245	1	0.02	18	470	4	7	38	0.28	78	52
93C09	3186	46850	10	427100	5842650	427005	5842852	-124.079535400	52.728809000	0.1	1.24	4	90	0.3	1	0.43	0.3	7	37	11	2.25	20	0.07	0.37	210	1	0.02	15	200	10	4	35	0.21	50	44
93C16	4100	46859	10	399300	5866200	399205	5866402	-124.498344600	52.935983100	0.1	1.58	1	60	0.3	1	0.54	0.3	15	45	18	4.55	50	0.06	0.58	525	1	0.03	28	840	12	7	44	0.36	89	82
93C16	4102	46860	10	400600	5866550	400505	5866752	-124.479115900	52.939370700	0.1	2.03	2	60	0.3	1	0.63	0.3	17	53	23	5.14	20	0.05	0.88	510	1	0.04	38	1060	12	8	72	0.4	95	86
93C16	4103	46862	10	401950	5867000	401855	5867202	-124.459170500	52.943662900	0.1	2.03	2	60	0.3	1	0.73	0.3	19	48	25	5.26	20	0.08	0.89	595	1	0.06	38	980	8	8	74	0.39	92	90
93C16	4104	46863	10	403100	5867150	403005	5867352	-124.442107100	52.945219800	0.1	1.61	4	50	0.3	1	0.8	0.3	19	41	23	4.83	20	0.07	0.95	585	1	0.08	33	750	6	4	76	0.3	88	90
93C16	4105	46864	10	404600	5867200	404505	5867402	-124.419805700	52.945937800	0.1	1.84	2	60	0.3	1	0.77	0.3	19	53	26	5.08	20	0.08	0.88	570	1	0.07	38	870	8	7	68	0.37	94	86
93C16	4106	46865	10	405900	5867400	405805	5867602	-124.400522700	52.947964700	0.1	2.12	4	70	0.3	1	0.78	0.3	15	41	22	4.94	30	0.1	0.66	530	1	0.04	24	1030	12	8	70	0.36	87	94
93C16	4107	46866	10	407050	5867750	406955	5867952	-124.383512700	52.951310600	0.1	1.87	12	60	0.3	1	0.78	0.3	15	38	23	4.82	20	0.1	0.74	550	1	0.04	27	1020	16	7	70	0.33	85	94
93C16	4108	46867	10	408300	5868150	408205	5868352	-124.365026100	52.955120400	0.1	3.08	1	100	0.3	1	0.5	0.3	21	81	26	5.84	30	0.06	0.77	500	1	0.03	55	990	8	11	71	0.56	114	86
93C16	4109	46868	10	410700	5867450	410605	5867652	-124.329118000	52.949234300	0.1	2.24	1	80	0.3	1	0.73	0.3	19	68	28	5.28	20	0.08	1.04	565	1	0.06	50	1060	8	8	74	0.42	99	88
93C16	4111	46869	10	412200	5867250	412105	5867452	-124.306744600	52.947684400	0.1	1.94	4	70	0.3	1	0.75	0.3	15	47	27	4.6	40	0.12	0.84	470	1	0.06	33	990	12	6	57	0.32	80	88
93C16	4112	46870	10	411200	5866000	411105	5866202	-124.321281100	52.936286000	0.1	3.39	4	150	0.3	1	0.45	0.3	15	60	20	4.63	30	0.09	0.58	345	1	0.02	37	870	8	8	51	0.39	89	72
93C16	4114	46872	10	410100	5865350	410005	5865552	-124.337463400	52.930261300	0.1	2.22	10	70	0.3	1	0.65	0.3	22	66	24	5.43	30	0.03	1.15	540	1	0.06	52	1010	8	7	81	0.45	100	84
93C16	4115	46873	10	408350	5864350	408255	5864552	-124.363208200	52.920978400	0.1	3.74	6	250	0.3	1	0.33	0.3	12	41	18	3.16	30	0.08	0.34	190	1	0.02	27	710	16	5	37	0.33	60	68
93C16	4116	46874	10	406700	5863700	406605	5863902	-124.387555900	52.914852900	0.1	3.08	8	90	0.3	1	0.39	0.3	11	33	14	4.03	40	0.05	0.36	295	1	0.01	19	690	8	9	55	0.37	71	64
93C16	4117	46875	10	405200	5862800	405105	5863002	-124.409593900	52.906502200	0.1	2.09	4	60	0.3	1	0.59	0.3	14	40	17	4.48	30	0.07	0.57	465	1	0.02	22	1020	8	8	52	0.34	83	82
93C16	4118	46876	10	403400	5861900	403305	5862102	-124.436081700	52.898093600	0.1	4.52	6	180	0.3	1	0.39	0.3	22	63	24	5.37	40	0.04	0.55	485	1	0.02	45	1150	10	11	93	0.5	96	86
93C16	4119	46877	10	401900	5861100	401805	5861302	-124.458132000	52.890632600	0.1	4.03	1	140	0.3	1	0.27	0.3	19	42	14	4.43	60	0.05	0.38	270	1	0.01	37	1100	14	7	47	0.33	77	92
93C16	4120	46878	10	400200	5860250	400105	5860452	-124.483130400	52.882681200	0.1	3.96	1	130	0.3	1	0.38	0.3	18	50	20	5.08	40	0.04	0.42	390	1	0.02	35	990	8	11	66	0.46	91	82
93C16	4121	46879	10	399100	5855900	399005	5856102	-124.498124100	52.843384400	0.1	3.85	1	180	0.3	1	0.32	0.3	18	47	14	4.74	60	0.04	0.37	370	1	0.01	30	1430	14	8	42	0.45	89	82
93C16	4123	46880	10	400350	5852550	400255	5852752	-124.478548800	52.813511700	0.1	3.75	4	170	0.5	1	0.34	0.3	16	50	16	4.95	50	0.04	0.37	410	1	0.01	32	900	14	10	44	0.45	89	92
93C16	4126	46882	10	412650	5865650	412555	5865852	-124.299618000	52.933378300	0.1	2.04	2	80	0.3	1	0.74	0.3	19	52	28	5.01	30	0.1	0.88	565	1	0.07	41	980	12	7	63	0.36	92	82
93C16	4127	46883	10	413600	5865100	413505	5865302	-124.285341100	52.928589000	0.1	1.91	4	110	0.3	1	0.81	0.3	20	49	29	4.66	30	0.15	0.86	680	1	0.06	39	950	12	6	70	0.29	86	88
93C16	4130	46884	10	415900	5863450	415805	5863652	-124.250706400	52.914124900	0.1	1.91	4	80	0.3	1	0.66	0.3	17	50	27	5.23	30	0.1	0.81	465	1	0.04	38	860	10	7	53	0.37	93	88
93C16	4134	46885	10	418750	5863000	418655	5863202	-124.208220100	52.910519100	0.2	2.41	6	110	0.3	1	0.36	0.3	10	62	18	3.77	30	0.07	0.38	215	1	0.02	30	550	12	9	35	0.43	70	60
93C16	4135	46886	10	420450	5862700	420355	5862902	-124.182872900	52.908077200	0.1	1.77	4	110	0.3	1	0.74	0.3	17	58	26	4.5	30	0.1	0.93	515	1	0.07	45	1040	10	7	65	0.32	87	78
93C16	4136	46887	10	421850	5863200	421755	5863402	-124.162180500	52.912776400	0.1	2.03	4	100	0.3	1	0.56	0.3	18	62	25	4.78	30	0.1	0.86	445	1	0.04	51	890	8	8	51	0.34	84	76
93C16	4137	46888	10	422800	5862800	422705	5863002	-124.147961000	52.909318700	0.1	1.97	10	100	0.3	1	0.67	0.3	19	57	31	4.93	30	0.11	1.15	510	1	0.06	56	1070	8	8	55	0.29	80	80
93C16	4140	46892	10	426900	5861200	426805	5861402	-124.086646600	52.895511300	0.2	2.13	8	90	0.3	1	0.72	0.3	18	63	34	5.08	30	0.11	1.08	455	1	0.08	55	1000	12	9	61	0.31	83	82
93C16	4143	46893	10	429450	5860750	429355	5860952	-124.048649700	52.891807300	0.1	1.67	6	100	0.3	1	0.8	0.3	22	47	28	4.29	20	0.14	0.98	760	1	0.09	47	1020	12	6	59	0.24	77	82
93C16	4145	46894	10	431600	5860150	431505	5860352	-124.016571700	52.886692200	0.1	1.67	6	100	0.3	1	0.79	0.3	21	51	27	4.34	20	0.13	0.94	670	1	0.09	48	960	12	5	63	0.25	79	78
93C16	4146	46895	10	409700	5856300	409605	5856502	-124.340900000	52.848860600	0.1	1.97	6	80	0.3	1	0.44	0.3	15	59	18	4.56	20	0.06	0.45	360	1	0.03	31	640	14	8	42	0.43	95	70
93C16	4147	46896	10	410650	5857000	410555	5857202	-124.326989100	52.855310200	0.1	2.22	12	80	0.3	1	0.55	0.3	20	70	25	5.58	30	0.03	0.74	490	1	0.04	41	930	14	11	58	0.48	104	80
93C16	4148	46897	10	410100	5858500	410005	5858702	-124.335569000	52.868699400	0.1	3.93	4	130	0.3	1	0.39	0.3	18	69	28	5.28	50	0.04	0.48	390	1	0.02	39	850	12	13</				

APPENDIX 1 A																																				
										ICPES Results																										
Mapsheet	Sample	Lab	UT	UTM	UTM	UTM	UTM			Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sc	Sr	Ti	V	Zn	
#	#	#	M Z	E 27	N 27	E 83	N 83	LONG 27	LAT 27	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	
										ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	%	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
93C16	4190	46923	10	429600	5865250	429505	5865452	-124.047395900	52.932273300	0.1	2.26	6	100	0.3	1	0.68	0.3	14	72	26	4.7	30	0.11	0.87	360	1	0.08	53	960	8	9	57	0.32	76	76	
93C16	4194	46924	10	429750	5863100	429655	5863302	-124.044699300	52.912968600	0.1	1.91	2	90	0.3	1	0.91	0.3	20	59	30	4.7	20	0.13	1.16	570	1	0.13	50	860	8	6	79	0.26	83	86	
93C16	4197	46925	10	419600	5852900	419505	5853102	-124.193090200	52.819871400	0.2	1.99	2	100	0.3	1	0.48	0.3	13	49	22	4.21	20	0.09	0.59	330	1	0.03	35	800	12	8	47	0.34	79	70	
93C16	4198	46926	10	420500	5852850	420405	5853052	-124.179725700	52.819555500	0.2	1.97	6	100	0.3	1	0.59	0.3	14	54	24	4.36	40	0.1	0.71	370	1	0.04	37	910	10	8	54	0.33	85	72	
93C16	4200	46927	10	420600	5853800	420505	5854002	-124.178473100	52.828108600	0.1	1.62	6	80	0.3	1	0.71	0.3	17	54	24	4.48	30	0.1	0.89	525	1	0.06	37	1030	6	6	63	0.32	89	82	
93C16	4201	46928	10	420900	5854600	420805	5854802	-124.174215300	52.835342900	0.1	1.77	4	110	0.3	1	0.72	0.3	18	47	27	4.19	30	0.13	0.78	590	1	0.06	36	1050	8	6	62	0.27	80	78	
93C16	4202	46929	10	421100	5856100	421005	5856302	-124.171609900	52.848854000	0.1	1.75	1	90	0.3	1	0.71	0.3	17	48	28	4.25	30	0.14	0.85	500	1	0.06	38	1050	8	6	57	0.28	78	78	
93C16	4203	46930	10	422250	5856600	422155	5856802	-124.154656300	52.853515100	0.1	2.08	2	110	0.3	1	0.66	0.3	16	57	28	4.62	30	0.1	0.77	485	1	0.06	42	940	8	8	58	0.34	89	76	
93C16	4204	46932	10	427700	5860250	427605	5860452	-124.074545500	52.887080900	0.1	1.93	4	90	0.3	1	0.33	0.3	15	65	18	4.18	20	0.04	0.34	280	1	0.02	31	510	6	6	37	0.4	92	64	
93C16	4205	46933	10	426750	5859800	426655	5860002	-124.088560600	52.882907700	0.1	1.19	1	80	0.3	1	0.34	0.3	4	46	10	2.21	10	0.06	0.28	115	1	0.02	15	560	6	3	24	0.32	47	44	
93C16	4206	46934	10	425550	5859400	425455	5859602	-124.106298600	52.879147800	0.1	1.77	4	80	0.3	1	0.3	0.3	13	56	16	3.89	20	0.06	0.31	290	1	0.02	26	490	12	7	30	0.4	90	64	
93C16	4207	46935	10	424450	5859100	424355	5859302	-124.122571100	52.876298100	0.2	1.5	4	80	0.3	1	0.32	0.3	15	55	17	3.78	20	0.07	0.37	355	1	0.02	28	570	4	7	29	0.37	87	68	
93C16	4208	46936	10	413600	5867300	413505	5867502	-124.285927200	52.948361000	0.1	2.35	8	100	0.3	1	0.65	0.3	16	57	26	4.92	40	0.13	0.76	480	1	0.04	40	1000	12	9	59	0.39	91	84	
93C16	4211	46937	10	415450	5861950	415355	5862152	-124.257006600	52.900573200	0.1	1.99	4	80	0.3	1	0.73	0.3	16	49	27	4.73	30	0.11	0.86	455	1	0.05	38	1050	10	8	65	0.32	82	84	
93C16	4212	46938	10	424850	5846350	424755	5846552	-124.113695200	52.761757100	0.1	3.28	14	140	0.5	1	0.57	0.3	9	32	32	3.09	50	0.23	0.37	355	1	0.01	20	260	22	8	34	0.12	58	54	
93C16	4215	46939	10	421700	5846900	421605	5847102	-124.160498300	52.766253100	0.1	1.88	6	140	0.5	1	0.45	0.3	10	26	19	2.77	80	0.15	0.45	365	1	0.02	19	490	12	6	43	0.13	48	56	
93C16	4217	46940	10	420100	5846350	420005	5846552	-124.184072600	52.761075500	0.1	2.14	8	150	0.3	1	0.64	0.3	12	49	27	4.21	60	0.13	0.61	270	1	0.04	38	790	10	8	51	0.26	68	62	
93C16	4219	46942	10	418300	5845400	418205	5845602	-124.210504400	52.752267800	0.1	1.08	16	110	0.3	1	0.27	0.3	7	34	29	2.37	120	0.12	0.28	215	1	0.01	18	360	12	4	25	0.14	47	44	
93C16	4224	46943	10	429850	5857750	429755	5857952	-124.042058600	52.864895300	0.1	3.9	1	180	0.3	1	0.26	0.3	14	47	12	3.65	20	0.09	0.37	335	1	0.01	39	1030	18	4	27	0.33	61	142	
93C16	4226	46944	10	425050	5855200	424955	5855402	-124.112760700	52.841329000	0.2	3.91	14	250	0.3	1	0.41	0.3	15	45	16	3.81	30	0.08	0.5	320	1	0.01	39	1540	14	5	47	0.31	69	130	
93C16	4227	46945	10	421850	5850950	421755	5851152	-124.159242700	52.802675900	0.1	2.04	4	130	0.3	1	0.28	0.3	11	47	13	3.28	20	0.07	0.28	310	1	0.01	24	490	12	4	27	0.35	72	62	
93C16	4228	46946	10	420200	5850150	420105	5850352	-124.183517200	52.795244100	0.1	2.32	8	180	0.3	1	0.32	0.3	9	39	13	2.78	470	0.12	0.28	180	1	0.02	22	830	12	4	36	0.27	53	62	
93C16	4229	46947	10	418300	5849250	418205	5849452	-124.211464600	52.786870800	0.1	2.1	1	120	0.3	1	0.34	0.3	12	50	17	3.47	40	0.05	0.41	285	1	0.02	26	630	10	6	37	0.31	73	62	
93C16	4230	46948	10	416450	5848350	416355	5848552	-124.238660200	52.778498700	0.1	1.5	4	180	0.3	1	0.41	0.3	9	42	15	2.84	50	0.07	0.39	490	1	0.01	20	670	8	3	31	0.18	59	74	
93C16	4232	46949	10	420150	5870050	420055	5870252	-124.189142700	52.974091400	0.1	1.82	1	90	0.3	1	0.66	0.3	15	70	16	3.84	30	0.13	0.53	320	1	0.02	43	680	12	8	44	0.35	73	88	
93C16	4233	46950	10	418350	5868350	418255	5868552	-124.215513400	52.958541600	0.2	1.43	6	80	0.3	1	0.4	0.3	8	57	7	2.32	30	0.07	0.37	110	1	0.02	22	600	6	6	29	0.34	53	68	
93C16	4238	46952	10	405800	5853800	405705	5854002	-124.398072400	52.825725100	0.1	2.63	6	110	0.3	1	0.25	0.3	7	27	11	2.47	40	0.11	0.28	175	1	0.01	16	330	14	3	27	0.26	44	52	
93C16	4239	46953	10	404200	5851500	404105	5851702	-124.421136500	52.804773100	0.2	3.4	6	190	0.3	1	0.22	0.3	12	37	21	3.34	50	0.05	0.37	365	1	0.01	26	700	14	4	24	0.26	64	70	
93C16	4241	46954	10	405650	5846350	405555	5846552	-124.398149200	52.758745200	0.1	1.88	1	110	0.3	1	0.33	0.3	13	44	15	3.73	30	0.08	0.37	340	1	0.01	26	570	10	6	32	0.34	75	70	
93C16	4242	46955	10	427100	5847950	427005	5848152	-124.080713700	52.776446500	0.1	1.71	4	120	0.3	1	0.26	0.3	7	39	9	2.25	30	0.06	0.32	170	1	0.01	19	330	10	4	27	0.27	48	54	
93C16	4243	46956	10	431400	5849800	431305	5850002	-124.017367000	52.793638300	0.2	3.18	1	190	0.3	1	0.33	0.3	14	52	16	3.84	30	0.08	0.46	240	1	0.02	36	740	14	6	40	0.34	70	54	
93C16	4246	46957	10	422650	5860800	422555	5861002	-124.149715100	52.891321600	0.1	1.58	1	90	0.3	1	0.71	0.3	17	52	25	4.4	30	0.12	1	510	1	0.07	43	1190	8	5	57	0.31	81	82	
93C16	4247	46958	10	422550																																

APPENDIX 1

Worksheet	Sample	Lab	UT	UTM	UTM	UTM	UTM	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA
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APPENDIX 1 B																																						
INAA Results																																						
Mapsheet	Sample	Lab	UT	UTM	UTM	UTM	UTM			Au	Au2	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Mo	Na	Rb	Sb	Sc	Ta	Th	U	W	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass
#	#	#	M Z	E 27	N 27	E 83	N 83	LONG 27	LAT 27	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	g
										ppb	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
93C01	1236	46572	10	416400	5777000	416305	5777202	-124.221521800	52.137184100	5		1.2	550	1.5	3	13	62	1	4.07	6	1	2.41	37	0.3	13	0.3	3.6	1.3	1	18	38	13	3.2	1.3	0.3	1.8	0.22	32.650
93C01	1237	46573	10	418000	5775300	417905	5775502	-124.197739100	52.122143000	1		3.0	630	0.3	3	12	54	1	4.45	6	1	2.70	30	0.6	15	0.3	3.7	1.9	1	21	42	17	4.3	1.5	0.3	2.1	0.25	26.730
93C01	1241	46574	10	429100	5788800	429005	5789002	-124.038460300	52.245032400	7	5	2.0	400	0.3	2	21	71	1	5.68	6	1	2.57	10	0.1	15	0.3	3.3	0.3	1	23	43	16	4.5	1.6	0.3	2.0	0.28	8.371
93C01	1243	46575	10	429750	5786650	429655	5786852	-124.028494700	52.225789100	1		2.1	560	2.8	5	21	82	1	5.06	6	1	2.19	38	0.3	15	0.3	3.6	1.0	1	22	45	21	4.5	1.6	0.3	2.5	0.35	29.130
93C01	1245	46576	10	430450	5785700	430355	5785902	-124.018052800	52.217338200	1		3.2	610	6.2	4	19	68	2	5.05	7	1	2.52	70	0.4	16	0.3	4.6	1.9	1	27	48	23	5.1	1.6	0.9	2.5	0.33	6.401
93C01	1252	46577	10	426800	5776150	426705	5776352	-124.069409800	52.131019200	7	4	2.2	640	4.0	4	15	62	1	4.34	6	1	2.80	10	0.6	17	0.3	3.4	0.3	1	21	37	22	4.4	1.3	0.3	2.3	0.32	4.345
93C01	1254	46578	10	398650	5786550	398555	5786752	-124.483644000	52.220045600	20	22	0.3	550	0.3	1	17	82	2	4.59	7	4	2.62	10	0.5	13	0.3	3.4	0.3	1	17	31	3	2.9	1.2	0.3	1.9	0.19	7.448
93C01	1255	46579	10	403900	5779200	403805	5779402	-124.404732200	52.154925000	1		0.3	1000	0.3	5	14	62	2	4.85	10	1	3.09	72	0.2	13	1.5	8.6	3.0	1	33	66	24	5.8	1.8	0.9	3.0	0.46	14.350
93C01	1256	46580	10	411250	5778750	411155	5778952	-124.297207800	52.152110600	1		0.9	630	0.3	2	10	51	1	3.87	7	1	2.75	52	0.4	12	0.3	4.2	2.2	1	19	41	12	3.3	1.1	0.7	1.6	0.30	13.020
93C01	1257	46582	10	398700	5770900	398605	5771102	-124.478245700	52.079396900	6	4	1.6	490	1.7	3	11	62	1	3.97	6	1	2.52	46	0.5	15	0.3	2.7	0.3	1	18	36	12	3.3	1.1	0.3	1.8	0.19	9.024
93C01	1258	46583	10	397850	5763250	397755	5763452	-124.488358800	52.010483700	1		1.9	480	0.3	2	6	28	1	2.76	6	1	2.56	10	0.4	11	0.3	2.4	0.3	1	16	32	11	2.9	1.1	0.8	1.6	0.28	29.200
93C01	1259	46584	10	406150	5769100	406055	5769302	-124.369069600	52.064531100	1		0.3	630	0.3	2	10	60	1	3.46	7	1	2.70	10	0.3	15	0.3	2.9	0.3	1	18	39	17	3.5	1.3	0.6	1.9	0.41	13.220
93C08	2001	46414	10	399500	5817200	399405	5817402	-124.480383900	52.495665900	5		2.5	580	0.3	5	20	85	1	7.02	7	1	2.83	10	0.1	16	2.1	3.7	0.3	1	30	58	27	6.0	2.3	0.3	2.7	0.42	32.650
93C08	2003	46415	10	399850	5814900	399755	5815102	-124.474538700	52.475059700	1		1.8	580	0.3	3	13	47	1	6.19	14	1	3.26	51	0.1	13	2.8	5.4	1.5	1	43	81	35	7.3	2.3	0.3	3.8	0.47	35.030
93C08	2005	46416	10	398350	5813600	398255	5813802	-124.496219200	52.463099100	2		2.4	540	0.3	4	15	65	1	6.28	7	1	2.87	10	0.3	14	2.2	3.9	0.8	1	32	56	28	6.2	2.1	0.9	2.7	0.41	36.180
93C08	2007	46417	10	402950	5816700	402855	5816902	-124.429436500	52.491797000	10	10	2.1	590	0.3	3	19	81	1	6.26	7	1	2.46	10	0.5	14	0.3	3.8	1.8	1	28	57	22	5.4	1.9	0.8	2.3	0.34	33.380
93C08	2009	46418	10	401850	5813750	401755	5813952	-124.444763800	52.465087500	1		0.3	590	0.3	3	15	82	1	6.70	7	1	2.44	10	0.1	15	2.1	3.7	0.3	1	30	52	26	5.6	1.9	0.7	2.6	0.32	35.540
93C08	2012	46419	10	407050	5813000	406955	5813202	-124.368035400	52.459256700	57	53	25.0	650	0.3	1	17	88	6	5.73	7	1	2.15	47	1.6	16	1.3	5.8	2.4	1	29	54	30	5.5	1.8	0.7	3.3	0.49	29.740
93C08	2015	46420	10	405650	5810950	405555	5811152	-124.388054600	52.440592000	3		0.3	520	0.3	3	17	76	1	6.15	7	1	2.43	40	0.1	13	2.1	3.1	1.2	1	26	53	19	4.8	2.1	0.9	2.1	0.19	32.400
93C08	2016	46422	10	407050	5808750	406955	5808952	-124.366852600	52.421058900	1		3.3	550	0.3	4	22	86	1	7.30	7	1	2.79	37	0.1	15	2.3	3.6	1.9	1	27	52	23	5.4	2.2	0.7	2.2	0.27	35.910
93C08	2018	46423	10	408200	5807000	408105	5807202	-124.349466500	52.405524400	1		0.3	530	0.3	5	23	91	1	7.17	6	1	2.66	25	0.4	15	2.2	3.1	0.3	1	25	46	25	5.2	2.0	0.7	2.0	0.19	36.820
93C08	2021	46424	10	409150	5804300	409055	5804502	-124.334773100	52.381415600	19	27	0.3	450	0.3	4	26	110	2	7.53	6	1	2.33	27	0.1	15	2.7	3.3	0.3	1	24	49	25	5.1	2.0	0.9	2.2	0.32	35.060
93C08	2025	46425	10	410600	5802150	410505	5802352	-124.312902600	52.362329900	4		2.1	510	0.3	4	26	110	1	7.85	6	1	2.48	10	0.3	17	1.5	2.6	0.3	1	24	44	23	4.7	2.0	0.5	2.0	0.37	37.630
93C08	2027	46426	10	413000	5801450	412905	5801652	-124.277485000	52.356424500	5		2.4	560	0.3	4	19	110	1	6.93	6	1	2.34	10	0.3	16	1.4	3.3	0.3	1	24	41	25	4.8	1.9	0.7	2.0	0.32	32.070
93C08	2033	46427	10	413350	5812750	413255	5812952	-124.275273100	52.458045500	6	7	5.8	520	0.3	3	18	69	1	5.62	6	1	2.31	10	0.6	13	1.9	4.6	0.3	1	27	52	22	5.1	1.9	0.9	2.1	0.33	32.590
93C08	2036	46428	10	402500	5810000	402405	5810202	-124.434103900	52.431501000	1		0.3	480	2.8	7	14	57	1	5.06	6	1	2.27	10	0.4	12	1.7	3.4	0.8	1	23	48	22	4.7	1.8	0.3	2.2	0.33	25.720
93C08	2037	46429	10	405350	5808400	405255	5808602	-124.391744500	52.417621600	7	5	1.5																										

INAA Results

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APPENDIX 1 B																																							
INAA Results																																							
Mapsheet	Sample	Lab	UT	UTM	UTM	UTM	UTM			Au	Au2	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Mo	Na	Rb	Sb	Sc	Ta	Th	U	W	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass	
#	#	#	M Z	E 27	N 27	E 83	N 83	LONG 27	LAT 27	ppb	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
93C09	3062	46780	10	402950	5840600	402855	5840802	-124.436446500	52.706591700	4		1.3	660	0.3	3	13	62	1	3.32	4	1	2.10	54	0.2	8	2.2	8.4	3.5	1	27	43	18	3.7	1.3	0.7	1.2	0.19	32.1	
93C09	3067	46782	10	406800	5843950	406705	5844152	-124.380431100	52.737375600	1		2.8	520	0.3	1	11	72	2	3.41	6	1	1.85	47	0.7	12	0.3	6.2	2.5	1	27	53	16	3.6	1.1	0.8	2.1	0.35	27.29	
93C09	3070	46783	10	403450	5843900	403355	5844102	-124.430018400	52.736338400	1		2.5	750	0.3	2	8	60	2	3.17	5	1	2.10	53	0.6	11	1.4	7.6	2.5	1	31	52	27	4.6	1.4	0.9	2.2	0.32	29.82	
93C09	3074	46855	10	423150	5829050	423055	5829252	-124.134845000	52.606023100	3		0.3	980	0.3	2	12	66	2	4.04	6	1	1.78	49	0.1	12	1.2	6.5	2.6	1	33	65	30	5.2	1.6	0.8	2.5	0.38	25.54	
93C09	3079	46784	10	423600	5831400	423505	5831602	-124.128744400	52.627209000	1		3.3	680	0.3	3	9	54	1	3.47	5	1	2.09	69	0.3	9	0.8	5.6	2.1	1	21	34	12	2.9	1.1	0.3	1.3	0.2	28.1	
93C09	3081	46785	10	422150	5833300	422055	5833502	-124.150610300	52.644080500	10	14	2.1	650	0.3	1	12	70	1	3.78	5	1	1.93	34	0.7	10	1.5	5.8	2.2	1	26	41	21	3.7	1.2	0.3	1.5	0.23	30.33	
93C09	3082	46786	10	421550	5833600	421455	5833802	-124.159547600	52.646690500	1		1.5	870	0.3	2	16	99	2	4.39	7	1	2.20	10	0.6	11	1.4	6.4	3.1	1	31	54	19	4.2	1.6	0.9	1.6	0.27	20.72	
93C09	3083	46787	10	421250	5830700	421155	5830902	-124.163289200	52.620581500	1		1.9	1100	0.3	3	15	75	2	4.82	6	2	2.42	97	0.5	13	1.6	7.6	3.3	1	30	58	21	3.4	1.5	0.3	1.4	0.26	15.23	
93C09	3092	46788	10	422400	5825300	422305	5825502	-124.145038900	52.572210500	1		2.4	720	0.3	2	15	73	2	4.50	6	1	2.07	52	0.4	11	2.1	6.9	2.9	1	25	41	18	3.6	1.3	0.5	1.9	0.31	26.64	
93C09	3093	46789	10	413500	5841750	413405	5841952	-124.280642700	52.718716200	1		4.8	830	0.3	3	24	120	8	7.10	8	1	2.12	76	1	16	0.3	8.6	4.2	1	31	52	23	5.7	1.5	0.3	2.1	0.3	5.22	
93C09	3094	46790	10	414800	5842100	414705	5842302	-124.261491900	52.722068200	6	4	4.6	570	0.3	2	8	72	3	3.54	5	1	2.15	58	0.9	13	0.3	6.7	2.7	3	27	49	12	3.2	1.0	0.3	1.9	0.28	25.44	
93C09	3096	46792	10	414800	5841750	414705	5841952	-124.261401100	52.718922500	1		6.7	710	0.3	2	15	91	6	4.24	7	1	1.82	57	4.6	11	1.5	8.1	3.4	1	33	56	21	4.5	1.5	0.7	1.8	0.29	28.92	
93C09	3097	46793	10	414300	5841600	414205	5841802	-124.268762600	52.717495400	1		3.5	740	0.3	2	12	86	2	3.64	6	1	2.21	76	1.2	7	1.8	7.9	2.7	1	22	30	12	2.4	1.0	0.3	1.2	0.22	25.64	
93C09	3100	46794	10	414000	5840550	413905	5840752	-124.272928100	52.708010700	3		6.5	640	0.3	3	14	70	4	4.08	5	1	1.80	54	1.5	11	0.3	8.9	3.7	1	28	44	17	3.8	1.2	0.3	1.5	0.28	26.88	
93C09	3105	46795	10	415550	5837500	415455	5837702	-124.249208900	52.680842100	1		2.9	590	0.3	2	13	64	2	3.83	5	1	2.11	38	0.6	10	0.3	5.5	1.3	1	23	45	21	2.9	1.1	0.3	1.5	0.21	30.64	
93C09	3108	46796	10	417100	5835350	417005	5835552	-124.225745700	52.661757600	1		2.0	600	0.3	2	15	82	2	4.49	6	1	2.14	47	0.6	12	0.3	6.1	2.8	1	29	52	24	3.7	1.3	0.3	1.9	0.26	29.38	
93C09	3109	46797	10	404350	5832500	404255	5832702	-124.413380600	52.634044700	1		0.7	380	0.3	2	17	75	1	5.69	4	1	2.17	26	0.4	13	0.3	2.8	1.2	1	22	41	24	3.5	1.2	0.7	1.6	0.24	32.13	
93C09	3111	46798	10	404700	5834150	404605	5834352	-124.408686900	52.648935200	1		0.9	500	0.3	1	16	62	2	4.71	5	1	1.98	48	0.2	11	0.3	5.4	1.7	1	24	45	20	3.6	1.2	0.3	1.6	0.26	31.58	
93C09	3112	46799	10	429950	5828900	429855	5829102	-124.034416200	52.605594200	2		1.8	620	0.3	1	8	48	1	3.05	5	1	2.51	60	0.5	9	2.1	4.3	1.9	1	24	40	18	2.8	1.2	0.3	1.4	0.19	27.95	
93C09	3113	46800	10	430450	5829750	430355	5829952	-124.027212900	52.613298700	3		2.4	720	0.3	1	10	70	2	3.48	6	1	2.30	41	0.9	11	0.3	7.1	3.3	1	29	39	17	4.2	1.4	0.3	1.9	0.3	22.12	
93C09	3114	46802	10	430700	5828050	430605	5828252	-124.023165000	52.598050100	1		1.8	700	0.3	3	8	64	2	2.53	4	1	2.40	42	0.6	9	0.3	5.9	2.4	1	26	43	21	3.6	1.2	0.6	1.5	0.22	27.81	
93C09	3115	46803	10	430500	5827250	430405	5827452	-124.025949300	52.590833600	1		1.6	700	0.3	2	11	71	2	3.68	6	1	1.95	52	0.5	11	1.3	7.0	2.8	1	22	42	12	2.5	0.9	0.3	1.3	0.2	26.23	
93C09	3116	46804	10	430600	5826000	430505	5826202	-124.024211400	52.579610600	7	4	2.4	970	1.9	2	14	92	2	4.35	6	1	1.96	54	0.4	12	1.2	9.2	3.2	1	23	47	16	2.9	1.1	0.6	1.3	0.21	21.38	
93C09	3117	46805	10	430650	5824750	430555	5824952	-124.023212000	52.568381200	1		1.2	570	0.3	2	8	70	2	2.86	4	1	2.25	38	0.6	8	1.2	5.4	2.2	1	19	35	13	2.9	0.9	0.3	1.2	0.19	28.99	
93C09	3118	46806	10	431100	5824000	431005	5824202	-124.016417900	52.561696900	1		1.7	650	0.3	2	9	63	2	3.18	4	1	2.31	43	0.4	9	0.3	5.1	2.4	1	22	40	13	2.8	1.2	0.3	1.2	0.19	29.43	
93C09	3121	46807	10	430600	5822600	430505	5822802	-124.023499700	52.549049200	1		1.3	720	0.3	1	10	58	2	3.31	5	1	2.44	46	0.5	9	0.3	5.6	2.8	1	21	34	12	2.4	1.0	0.3	1.2	0.2	24.65	
93C09	3122	46808	10	430350	5821500	430255	5821702	-124.026955300	52.539129700	1		0.5	710	0.3	2	9	53	1	2.97	4	1	2.35	55	0.2	8	0.3	5.5	1.8	1	20	38	15	3.0	1.1	0.3	1.2	0.19	26.89	
93C09	3123	46809	10</																																				

APPENDIX 1 B INAA Results																																								
Mapsheet	Sample	Lab	UT	UTM	UTM	UTM	UTM	LONG 27		LAT 27	Au	Au2	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Mo	Na	Rb	Sb	Sc	Ta	Th	U	W	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass	
#	#	#	M Z	E 27	N 27	E 83	N 83				INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	g	
											ppb	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
93C09	3178	46847	10	407800	5827050	407705	5827252	-124.360897700		52.585660000	1		2.0	600	2.0	2	14	160	2	4.18	5	1	2.04	38	0.3	11	1.5	5.2	2.6	1	17	30	16	2.8	1.1	0.3	1.4	0.24	28.17	
93C09	3180	46848	10	414000	5821850	413905	5822052	-124.268060600		52.539939000	3		1.7	600	0.3	2	15	94	1	5.25	6	1	2.21	47	0.3	11	1.7	4.3	1.9	1	17	32	15	2.6	1.2	0.3	1.4	0.24	27.64	
93C09	3183	46849	10	424450	5821600	424355	5821802	-124.113953500		52.539242000	4		1.8	750	3.2	2	10	63	1	3.70	5	1	2.04	37	0.6	9	1.5	5.3	2.7	1	23	39	17	3.7	1.3	0.3	1.6	0.25	29.07	
93C09	3186	46850	10	427100	5842650	427005	5842852	-124.079535400		52.728809000	1		6.1	610	1.5	2	9	100	2	3.02	6	1	1.99	41	1.2	11	0.8	5.5	2.8	1	19	33	14	2.8	1.1	0.3	1.9	0.32	26.44	
93C16	4100	46859	10	399300	5866200	399205	5866402	-124.498344600		52.935983100	1		2.1	440	0.3	3	18	86	2	5.84	7	1	2.14	33	0.1	14	0.3	5.0	2.3	1	31	55	25	5.6	2.0	1.3	2.8	0.41	32.5	
93C16	4102	46860	10	400600	5866550	400505	5866752	-124.479115900		52.939370700	1		2.0	600	0.3	4	23	110	1	6.96	7	1	2.05	33	0.5	16	2.4	3.8	0.3	1	28	52	29	5.6	2.2	0.8	2.7	0.36	31.44	
93C16	4103	46862	10	401950	5867000	401855	5867202	-124.459170500		52.943662900	1		2.2	440	0.3	4	23	100	1	6.70	6	1	2.01	48	0.2	15	2.7	3.3	0.3	1	26	42	27	5.4	2.0	0.9	2.4	0.35	31.42	
93C16	4104	46863	10	403100	5867150	403005	5867352	-124.442107100		52.945219800	3		1.8	420	0.3	3	25	100	1	6.94	6	1	2.21	32	0.3	16	2.4	3.5	1.9	1	27	50	28	5.4	2.1	0.3	2.6	0.36	30.49	
93C16	4105	46864	10	404600	5867200	404505	5867402	-124.419805700		52.945937800	4		1.9	540	0.3	4	24	120	1	6.94	7	1	2.25	10	0.5	17	0.3	3.7	0.3	1	28	55	25	5.6	2.2	0.3	2.5	0.36	28.64	
93C16	4106	46865	10	405900	5867400	405805	5867602	-124.400522700		52.947964700	6	4	2.5	590	0.3	3	17	74	1	6.14	8	1	2.11	10	0.4	15	0.3	5.7	1.8	1	32	64	30	6.4	2.1	1.0	3.2	0.51	26.36	
93C16	4107	46866	10	407050	5867750	406955	5867952	-124.383512700		52.951310600	1		3.6	510	0.3	4	19	84	1	6.14	7	1	2.15	46	0.5	15	1.6	4.6	2.3	1	32	51	32	6.2	2.3	0.3	3.2	0.42	26.17	
93C16	4108	46867	10	408300	5868150	408205	5868352	-124.365026100		52.955120400	2		2.4	610	0.3	3	26	160	2	7.52	7	1	1.99	10	0.4	18	2.5	3.6	0.3	1	29	58	26	5.9	2.2	0.9	2.5	0.36	29.16	
93C16	4109	46868	10	410700	5867450	410605	5867652	-124.329118000		52.949234300	1		5.2	530	2.0	2	26	150	2	7.12	6	1	2.14	41	0.5	18	2.5	4.7	0.3	1	29	52	29	5.7	2.3	0.8	2.7	0.37	26.6	
93C16	4111	46869	10	412200	5867250	412105	5867452	-124.306744600		52.947684400	5		3.2	580	0.3	3	22	110	2	6.43	7	1	2.06	10	0.4	16	2.4	4.8	2.1	1	29	52	25	5.5	2.0	0.7	2.9	0.41	27.07	
93C16	4112	46870	10	411200	5866000	411105	5866202	-124.321281100		52.936286000	3		3.9	560	0.3	3	20	150	1	6.44	7	1	2.06	52	0.6	15	1.6	5.1	2.5	1	23	61	18	3.8	1.5	0.3	2	0.31	27.11	
93C16	4114	46872	10	410100	5865350	410005	5865552	-124.337463400		52.930261300	3		2.0	610	0.3	3	31	160	1	8.20	6	1	2.23	40	0.4	20	2.4	3.4	2.1	1	30	57	26	5.8	2.5	0.8	2.4	0.33	26.83	
93C16	4115	46873	10	408350	5864350	408255	5864552	-124.363208200		52.920978400	2		2.2	830	2.6	1	15	100	2	4.44	7	1	2.10	34	0.5	12	1.9	7.7	2.6	1	24	51	18	3.3	1.5	0.3	1.6	0.26	24.64	
93C16	4116	46874	10	406700	5863700	406605	5863902	-124.387555900		52.914852900	3		2.2	640	0.3	2	15	69	1	5.30	7	1	2.41	35	0.4	14	0.3	4.5	1.4	1	28	52	24	5.0	2.0	0.3	2.5	0.35	26.55	
93C16	4117	46875	10	405200	5862800	405105	5863002	-124.409593900		52.906502200	1		2.2	590	0.3	2	19	80	1	6.66	8	1	2.43	53	0.5	16	2.9	5.0	2.4	1	33	57	30	6.3	2.3	0.8	3.2	0.46	27.45	
93C16	4118	46876	10	403400	5861900	403305	5862102	-124.436081700		52.898093600	5		1.9	540	2.3	2	25	110	1	6.59	6	1	1.79	10	0.3	16	3.3	4.3	1.7	1	29	60	21	4.7	2.0	0.9	2	0.32	25.76	
93C16	4119	46877	10	401900	5861100	401805	5861302	-124.458132000		52.890632600	1		1.6	550	2.3	1	23	100	1	5.80	6	1	1.91	10	0.1	15	2.1	5.1	1.8	1	24	52	18	3.8	1.5	0.3	2.2	0.26	24.88	
93C16	4120	46878	10	400200	5860250	400105	5860452	-124.483130400		52.882681200	3		2.4	580	2.8	2	23	110	1	7.09	6	1	2.12	46	0.3	18	2.4	3.6	0.3	1	29	61	22	5.5	2.3	0.9	2.3	0.35	23.61	
93C16	4121	46879	10	399100	5855900	399005	5856102	-124.498124100		52.843384400	5		3.5	660	3.5	1	23	91	1	6.49	7	1	2.16	35	0.3	15	3.2	5.0	2.0	1	26	58	17	4.3	1.8	0.7	2.1	0.34	22.12	
93C16	4123	46880	10	400350	5852550	400255	5852752	-124.478548800		52.813511700	1		2.5	620	2.5	1	18	83	1	6.00	8	1	2.18	46	0.3	14	3.9	5.8	2.1	1	32	63	26	4.3	1.9	1.0	2.4	0.34	23.84	
93C16	4126	46882	10	412650	5865650	412555	5865852	-124.299618000		52.933378300	3		3.2	490	0.3	3	25	120	1	6.88	6	1	2.17	25	0.4	17	2.2	4.7	1.3	1	29	49	21	5.0	1.8	0.9	2.3	0.38	27.07	
93C16	4127	46883	10	413600	5865100	413505	5865302	-124.285341100		52.928589000	1		3.6	560	0.3	3	23	120	1	6.20	6	1	2.07	10	0.5	16	1.6	4.9	1.7	3	28	49	21	4.9	1.7	0.7	2.4	0.34	27.19	
93C16	4130	46884	10	415900	5863450	415805	5863652	-124.250706400		52.914124900	1		3.1	530	0.3	3	23	130	1	7.51	8	1	2.26	32	0.5	19	2.2	4.9	0.3	1	33	52	30	6.3	2.2	0.8	3.2	0.48	22.4	
93C16	4134	46885	10	418750	5863000	418655	5863202	-124.208220100		52.910519100	3		2.0	840	0.3	2	16	150	1	5.33	6	1	2.36	47	0.4	15	0.3	4.7	2.7	1	29	45	26	4.7	2.0	0.3	2.1	0.34	25.14	
93C16	4135	46886	10	420450	5862700	420355	5862902	-124.182872900		52.908077200	1		2.0	620	0.3	2	23	140	1	6.40	5	1	2.25	10	0.4	17	2	4.6	0.3	1	29	48	26	5.0	1.9	0.6	2.1	0.33	25.98	
93C16	4136	46887	10	421850	5863200	421755	5863402	-124.162180500		52.912776400	4		2.3	670	0.3	4	27	190	1	7.46	6	1	2.22	10	0.3	20	1.4	4.7	1.7	1	29	50	25	5.4	2.2	0.3	2.6	0.36	19.67	
93C16	4137	46888	10	422800	5862800	422705	5863002	-124.147961000		52.909318700	1		2.5	590	0.3	3	26	160	1	6.87	5	1	2.03	33	0.4	18	1.7	4.6	1.5	1	26	42	25	4.7	1.8	0.3	2.1	0.33	25.39	
93C16	4140	46892	10	426900	5861200	426805	5861402	-124.086646600		52.895511300	1		2.3	750	0.3	3	27	200	2	8.18	6	1	2.41	30	0.5	21	1.8	4.3	3.3	1	29	44	23	5.6	2.2	0.9	2.6	0.36	18.44	
93C16	4143	46893	10	429450	5860750	429355	5860952	-124.048649700		52.891807300	1		2.9	490	0.3	4	31	150	1	6.70	5	1	2.30	51	0.3	18	1.9	4.7	0.9	1	28	49	20	4.9	1.9	0.8	2.4	0.35	25.39	
93C16	4145	46894	10	431600	5860150	431505	5860352	-124.01657																																

APPENDIX 1 B																																							
INAA Results																																							
Mapsheet	Sample	Lab	UT	UTM	UTM	UTM	UTM			Au	Au2	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Mo	Na	Rb	Sb	Sc	Ta	Th	U	W	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass	
#	#	#	M Z	E 27	N 27	E 83	N 83	LONG 27	LAT 27	ppb	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
93C16	4190	46923	10	429600	5865250	429505	5865452	-124.047395900	52.932273300	3		2.9	610	0.3	4	23	210	1	7.25	6	1	2.41	38	0.4	20	1	4.3	0.3	1	25	42	24	5.0	2.0	0.7	2.2	0.33	19.73	
93C16	4194	46924	10	429750	5863100	429655	5863302	-124.044699300	52.912968600	1		2.4	470	0.3	3	26	150	1	6.25	5	1	2.11	30	0.4	17	1.3	3.4	0.3	1	23	35	18	4.0	1.6	0.6	2	0.29	30.88	
93C16	4197	46925	10	419600	5852900	419505	5853102	-124.193090200	52.819871400	2		2.8	570	0.3	2	18	120	1	5.83	7	1	2.15	53	0.5	16	1.9	4.3	1.2	1	28	54	25	6.3	2.0	0.3	2.8	0.38	24.15	
93C16	4198	46926	10	420500	5852850	420405	5853052	-124.179725700	52.819555500	1		2.2	600	1.3	3	17	120	1	5.64	7	1	1.99	42	0.5	15	1.4	4.1	1.5	1	27	47	27	5.7	1.8	0.8	2.5	0.42	29.98	
93C16	4200	46927	10	420600	5853800	420505	5854002	-124.178473100	52.828108600	1		3.3	570	0.3	3	22	130	1	5.90	7	1	1.99	41	0.5	15	1.9	4.5	1.8	1	26	53	19	5.6	1.8	0.7	2.5	0.39	33.32	
93C16	4201	46928	10	420900	5854600	420805	5854802	-124.174215300	52.835342900	2		2.7	610	0.3	3	21	110	1	5.19	6	1	1.86	42	0.4	14	1.3	4.6	1.2	1	25	53	18	5.2	1.7	0.8	2.4	0.33	31.26	
93C16	4202	46929	10	421100	5856100	421005	5856302	-124.171609900	52.848854000	3		3.7	600	0.3	3	23	120	1	5.81	7	3	2.03	54	0.4	15	1.6	4.5	1.4	1	28	57	19	6.0	1.9	0.8	2.5	0.36	27.8	
93C16	4203	46930	10	422250	5856600	422155	5856802	-124.154656300	52.853515100	2		2.8	620	0.3	3	24	160	1	6.63	7	1	2.30	53	0.6	18	0.3	5.1	1.2	1	29	59	24	6.7	2.1	0.7	3	0.42	19.95	
93C16	4204	46932	10	427700	5860250	427605	5860452	-124.074545500	52.887080900	2		0.3	640	0.3	3	21	190	1	5.70	5	1	2.39	50	0.3	14	1.4	3.3	1.4	1	18	45	21	3.5	1.6	0.3	1.5	0.26	23.36	
93C16	4205	46933	10	426750	5859800	426655	5860002	-124.088560600	52.882907700	2		0.3	680	0.3	4	10	150	1	3.60	6	1	2.44	54	0.1	12	1	4.8	1.5	1	18	34	14	3.5	1.6	0.3	1.6	0.23	29.59	
93C16	4206	46934	10	425550	5859400	425455	5859602	-124.106298600	52.879147800	1		2.2	570	2.3	3	18	150	2	5.66	6	1	2.64	36	0.4	13	2	4.1	1.6	1	24	52	18	4.9	2.0	0.3	1.9	0.29	24.58	
93C16	4207	46935	10	424450	5859100	424355	5859302	-124.122571100	52.876298100	1		0.3	660	1.5	3	21	140	1	5.30	6	1	2.54	25	0.3	13	1.6	4.0	1.6	1	23	49	21	4.9	1.9	0.3	2	0.35	28.18	
93C16	4208	46936	10	413600	5867300	413505	5867502	-124.285927200	52.948361000	1		4.0	520	2.4	3	20	120	1	6.16	7	1	1.90	35	0.3	16	1.2	4.4	1.9	1	28	53	28	6.1	1.9	0.8	2.7	0.43	26.53	
93C16	4211	46937	10	415450	5861950	415355	5862152	-124.257006600	52.900573200	2		4.1	450	0.3	3	19	100	1	5.80	7	1	1.87	48	0.5	15	1.6	4.0	1.2	1	27	50	22	6.1	1.9	0.8	2.7	0.43	30.83	
93C16	4212	46938	10	424850	5846350	424755	5846552	-124.113695200	52.761757100	6	4	4.2	810	0.3	1	11	61	4	4.58	9	1	1.50	110	0.9	13	0.3	15.0	4.5	1	35	61	31	6.2	1.8	0.3	2.5	0.38	8.96	
93C16	4215	46939	10	421700	5846900	421605	5847102	-124.160498300	52.766253100	2		6.4	600	0.3	2	11	53	2	3.43	8	1	1.68	65	1.1	10	1.3	8.8	2.3	1	30	60	25	5.0	1.3	0.3	2.3	0.37	28.01	
93C16	4217	46940	10	420100	5846350	420005	5846552	-124.184072600	52.761075500	2		6.4	870	0.3	2	18	140	2	6.58	8	1	2.20	62	1.2	18	1.5	8.1	2.0	1	36	61	36	7.8	2.2	1.2	3.3	0.52	10.56	
93C16	4219	46942	10	418300	5845400	418205	5845602	-124.210504400	52.752267800	1		17.0	770	0.3	1	8	80	3	3.02	6	1	2.07	83	2.7	9	1.6	8.7	2.8	1	30	60	22	4.6	1.2	0.3	1.8	0.3	19.7	
93C16	4224	46943	10	429850	5857750	429755	5857952	-124.042058600	52.864895300	1		0.3	530	1.3	2	16	110	2	4.48	5	1	1.69	42	0.4	11	1.1	4.1	1.2	1	14	30	14	2.7	1.1	0.3	1.3	0.22	24.86	
93C16	4226	46944	10	425050	5855200	424955	5855402	-124.112760700	52.841329000	32	30	3.3	650	1.7	2	19	110	1	4.97	5	1	1.73	30	0.3	12	1.6	4.5	1.6	1	20	44	15	3.9	1.4	0.3	1.7	0.24	25.02	
93C16	4227	46945	10	421850	5850950	421755	5851152	-124.159242700	52.802675900	1		3.1	620	0.3	3	15	120	1	4.47	7	1	2.13	41	0.7	12	1.3	5.3	2.0	1	22	51	17	3.6	1.4	0.3	1.8	0.24	28	
93C16	4228	46946	10	420200	5850150	420105	5850352	-124.183517200	52.795244100	5		6.1	720	1.6	2	12	91	2	3.76	6	2	1.79	52	0.9	11	0.3	6.5	1.8	1	22	46	19	3.8	1.3	0.3	1.6	0.27	23.09	
93C16	4229	46947	10	418300	5849250	418205	5849452	-124.211464600	52.786870800	5		4.0	770	2.3	3	16	120	1	4.86	7	1	2.30	51	0.8	13	1.7	5.1	1.9	1	28	57	23	5.2	1.8	0.3	2.2	0.33	25.41	
93C16	4230	46948	10	416450	5848350	416355	5848552	-124.238660200	52.778498700	3		5.6	690	1.3	2	13	100	2	3.98	7	1	2.16	63	1.7	12	1.2	6.1	2.0	1	30	55	22	4.5	1.4	0.3	2	0.32	26.55	
93C16	4232	46949	10	420150	5870050	420055	5870252	-124.189142700	52.974091400	5		1.4	700	3.9	3	20	160	1	5.57	6	1	2.20	41	0.1	15	1.7	4.5	1.7	1	24	51	18	5.0	1.8	0.7	2.1	0.33	15.81	
93C16	4233	46950	10	418350	5868350	418255	5868552	-124.215513400	52.958541600	1		1.3	740	0.3	3	12	130	1	3.53	5	1	2.39	52	0.3	12	1	4.7	1.8	1	22	43	19	4.0	1.7	0.6	1.4	0.23	25.17	
93C16	4238	46952	10	405800	5853800	405705	5854002	-124.398072400	52.825725100	1		1.4	720	0.3	2	10	80	2	3.69	7	1	2.21	87	0.6	11	1.3	6.2	2.0	1	25	50	19	3.9	1.3	0.3	2.1	0.34	25.9	
93C16	4239	46953	10	404200	5851500	404105	5851702	-124.421136500	52.804773100	3		2.7	630	0.3	1	14	89	1	4.56	7	1	1.84	46	0.6	10	0.3	5.7	1.9	1	24	49	18	3.7	1.2	0.6	2.2	0.33	23.95	
93C16	4241	46954	10	405650	5846350	405555	5846552	-124.398149200	52.758745200	1		1.9	650	1.9	1	16	93	1	4.75	8	1	2.04	57	0.5	12	1.9	6.3	1.8	1	31	64	24	5.3	1.6	0.3	2.5	0.38	31.43	
93C16	4242	46955	10	427100	5847950	427005	5848152	-124.080713700	52.776446500	2		2.2	820	0.3	2	11	100	2	3.58	7	1	2.41	71	0.9	11	1.6	6.6	2.1	1	25	49	17	4.2	1.6	0.3	1.8	0.29	24.47	
93C16	4243	46956																																					

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Major Oxide and Minor Element Results

Sample #	Master identification number for sample.
Map #	Number specific to each 1:50 000 map sheet
Lab #	Unique GSB laboratory number
UTM Z	UTM Zone
UTM E 27	UTM East coordinate (NAD 27)
UTM N 27	UTM North coordinate (NAD 27)
UTM E 83	UTM East coordinate (NAD 83)
UTM N 83	UTM North coordinate (NAD 83)
LONG 27	Longitude (NAD 27)
LAT 27	Latitude (NAD 27)
Element ICP %	Element value with method and units. (ICP = ICP-ES, GRAV = Fusion at 1000°C).

Note: Only selected samples have been analyzed for major element oxides and minor elements because of insufficient sample availability. Samples not analyzed are represented by gaps in the data listings.

Element Oxide, Trace Element and Loss on Ignition Results

Mapsheet	Sample	Lab	UT	UTM	UTM	UTM	UTM		SiO2_IC	Al2O3_I	Fe2O3_I	MgO_IC	CaO_IC	Na2O_IC	K2O_IC	TiO2_IC	P2O5_IC	MnO_IC	Cr2O3_I	Ba_IC_p	Sr_IC_p	Zr_IC_p	Y_IC_pp	Nb_IC_p	LOI_GR		
#	#	#	M Z	E 27	N 27	E 83	N 83	LONG 27	LAT 27	%	C %	C %	%	%	%	%	%	%	C %	pm	pm	pm	m	pm	%	SUM %	
93C01	1104	46506	10	428750	5766900	428655	5767102	-124.0389933	52.0481226	59.10	15.24	4.38	1.08	7.12	3.28	2.11	0.79	0.25	0.22	0.006	771	305	201	23	21	7.0	100.78
93C01	1105	46507	10	427500	5768700	427405	5768902	-124.0576000	52.0641414	68.75	14.65	4.65	1.07	4.65	3.94	0.61	0.74	0.18	0.07	0.005	473	475	180	18	20	1.3	100.78
93C01	1106	46508	10	426850	5768000	426755	5768202	-124.0669302	52.0577634	66.26	15.45	4.96	1.09	3.82	3.60	0.83	0.70	0.13	0.07	0.003	497	428	150	19	18	3.5	100.57
93C01	1109	46509	10	428700	5770300	428605	5770502	-124.0404323	52.0786801	63.21	16.05	5.64	1.63	3.28	3.29	1.16	0.77	0.10	0.08	0.005	605	394	128	19	19	5.2	100.59
93C01	1113	46510	10	423050	5770100	422955	5770302	-124.1228173	52.0761258																		
93C01	1115	46512	10	423000	5770500	422905	5770702	-124.1236370	52.0797145	63.33	14.99	5.14	1.68	5.66	3.74	1.17	0.78	0.19	0.09	0.005	552	472	127	18	18	3.7	100.65
93C01	1120	46513	10	420950	5765700	420855	5765902	-124.1524346	52.0362782																		
93C01	1122	46514	10	421300	5762000	421205	5762202	-124.1464825	52.0030682	64.28	16.44	5.51	1.64	3.15	3.28	1.27	0.86	0.13	0.08	0.009	665	418	150	20	20	3.8	100.64
93C01	1125	46515	10	425200	5763550	425105	5763752	-124.0900182	52.0175408																		
93C01	1127	46516	10	425250	5765450	425155	5765652	-124.0897048	52.0346272	67.57	14.96	4.36	1.02	3.76	3.79	0.80	0.72	0.06	0.06	0.003	495	438	145	17	14	3.2	100.46
93C01	1129	46517	10	427150	5763700	427055	5763902	-124.0616392	52.0191487	67.62	14.43	4.74	1.02	4.54	3.92	0.69	0.85	0.21	0.08	0.004	497	487	186	20	18	2.4	100.68
93C01	1133	46518	10	417300	5764450	417205	5764652	-124.2053316	52.0245097																		
93C01	1135	46519	10	412600	5762550	412505	5762752	-124.2733301	52.0067105	66.74	15.06	4.80	1.16	4.21	3.85	0.81	0.71	0.11	0.07	0.005	525	449	144	17	16	3.0	100.69
93C01	1136	46520	10	408550	5761800	408455	5762002	-124.3321175	51.9993166	63.24	15.50	5.44	1.73	4.68	3.65	1.10	0.65	0.18	0.09	0.003	563	433	130	16	17	4.0	100.43
93C01	1137	46522	10	428600	5775350	428505	5775552	-124.0429497	52.1240632																		
93C01	1140	46523	10	427450	5778650	427355	5778852	-124.0604491	52.1535779																		
93C01	1141	46524	10	423250	5772100	423155	5772302	-124.1203498	52.0941318	64.33	15.77	5.17	1.58	4.19	3.74	1.22	0.72	0.10	0.08	0.005	585	487	156	17	18	3.8	100.89
93C01	1143	46525	10	420400	5768600	420305	5768802	-124.1611265	52.0622677																		
93C01	1144	46526	10	418600	5767150	418505	5767352	-124.1870316	52.0489722	65.86	15.28	5.17	1.42	4.22	3.62	0.68	0.66	0.16	0.08	0.003	521	462	145	17	20	3.6	100.92
93C01	1148	46527	10	410250	5764000	410155	5764202	-124.3079378	52.0193690	64.61	15.44	5.28	1.49	3.99	3.56	1.01	0.84	0.11	0.07	0.005	575	483	148	17	23	4.0	100.59
93C01	1150	46528	10	411750	5766300	411655	5766502	-124.2866774	52.0402835	66.70	14.93	5.09	1.19	4.84	3.87	0.67	0.90	0.17	0.08	0.010	543	548	206	18	23	1.5	100.14
93C01	1154	46529	10	407700	5771800	407605	5772002	-124.3471958	52.0890601	66.31	15.24	4.65	1.25	4.65	3.65	0.94	0.99	0.06	0.08	0.007	626	548	172	16	20	2.6	100.63
93C01	1155	46530	10	409950	5770900	409855	5771102	-124.3141269	52.0813411	69.70	14.23	4.11	1.00	4.71	3.98	0.54	0.65	0.13	0.07	0.004	453	491	138	16	18	1.5	100.78
93C01	1156	46532	10	412100	5770400	412005	5770602	-124.2826311	52.0771924																		
93C01	1157	46533	10	414250	5768950	414155	5769152	-124.2509023	52.0644959	66.64	15.02	4.97	1.10	4.22	3.65	0.90	0.86	0.03	0.08	0.006	580	512	216	17	21	3.0	100.67
93C01	1159	46534	10	412000	5766700	411905	5766902	-124.2831364	52.0439187	62.69	14.73	5.09	1.69	6.30	3.63	1.11	0.78	0.23	0.09	0.003	571	540	163	17	20	4.0	100.53
93C01	1161	46535	10	424400	5782500	424305	5782702	-124.1058794	52.1877764																		
93C01	1163	46536	10	422350	5783650	422255	5783852	-124.1361241	52.1978288	66.60	14.50	5.70	0.99	3.48	3.46	1.51	1.21	0.05	0.07	0.008	692	467	211	16	28	3.1	100.89
93C01	1170	46537	10	422900	5788700	422805	5788902	-124.1292295	52.2432998	64.39	15.55	5.19	1.05	3.98	3.94	1.91	1.67	0.07	0.06	0.008	794	550	202	15	30	2.8	100.85
93C01	1171	46538	10	416300	5788750	416205	5788952	-124.2258844	52.2427852																		
93C01	1172	46539	10	418400	5779450	418305	5779652	-124.1928941	52.1595056	61.40	15.31	6.57	1.98	4.59	3.40	1.62	1.09	0.26	0.10	0.008	735	509	188	19	26	4.0	100.54
93C01	1174	46540	10	415450	5779850	415355	5780052	-124.2361085	52.1626572	63.65	15.48	5.09	1.34	4.18	3.56	1.45	1.13	0.13	0.08	0.003	710	510	194	17	24	4.2	100.51
93C01	1176	46542	10	418850	5781650	418755	5781852	-124.1868433	52.1793473	61.80	15.07	6.07	1.77	4.29	3.24	2.05	0.98	0.21	0.10	0.007	755	466	187	19	26	4.1	99.90
93C01	1178	46543	10	418250	5783850	418155	5784052	-124.1961471	52.1990338	65.29	14.41	5.88	1.53	4.15	3.47	1.97	1.11	0.24	0.09	0.004	734	482	264	20	26	2.3	100.67
93C01	1184	46544	10	417650	5787400	417555	5787602	-124.2057879	52.2308542	58.31	16.38	7.65	1.76	4.26	30.30	1.99	1.26	0.22	0.08	0.006	702	466	181	18	26	5.6	100.75
93C01	1188	46545	10	415450	5783950	415355	5784152	-124.2371308	52.1995104	55.40	13.03	4.75	1.74	9.39	3.03	2.02	0.89	0.42	0.08	0.006	682	494	176	17	23	9.7	100.66
93C01	1190	46546	10	411750	5784000	411655	5784202	-124.2912675	52.1993799	62.44	15.31	6.63	1.14	4.42	3.56	1.97	1.50	0.09	0.09	0.006	790	516	281	15	31	3.1	100.50
93C01	1191	46547	10	413350	5787450	413255	5787652	-124.2687460	52.2306438	61.29	15.86	7.55	1.16	4.16	3.66	1.63	1.85	0.07	0.08	0.009	721	533	224	16	35	3.0	100.54
93C01	1193	46548	10	406000	5784100	405905	5784302	-124.3754033	52.1993282																		
93C01	1195	46549	10	403850	5785600	403755	5785802	-124.4072778	52.2124393	55.35	13.43	7.64	4.05	6.64	3.21	1.23	1.63	0.35	0.10	0.012	579	588	163	17	29	6.7	100.54
93C01	1196	46550	10	411400	5788800	411305	5789002	-124.2976443	52.2424676	59.85	14.62	8.41	1.61	4.89	3.46	1.62	1.85	0.13	0.08	0.006	623	558	215	17	34	3.7	100.43
93C01	1197	46552	10	409600	5787750	409505	5787952	-124.3237189	52.2327373	58.90	14.51	8.54	2.04	5.31	3.33	1.87	1.68	0.23	0.10	0.008	613	541	233	19	34	3.7	100.42
93C01	1198	46553	10	407400	5786350	407305	5786552	-124.3555403	52.2197884	59.59	15.52	7.49	1.56	4.45	3.47	1.59	1.64	0.15	0.12	0.007	705	534	215	17	33	5.0	100.81
93C01	1199	46554	10	406100	5786000	406005	5786202	-124.3744676	52.2164226	58.45	14.39	7.66	2.36	4.76	3.31	1.45	1.52	0.16	0.10	0.010	623	518	205	21	31	6.1	100.47
93C01	1200	46555	10	402450	5781800	402355	5782002	-124.4266677	52.1780393	60.87	15.59	7.37	1.51	4.74	3.64	1.63	1.78	0.12	0.10	0.009	675	536	234	16	35	3.0	100.58
93C01	1201	46556	10	404000	5783450	403905	5783652	-124.4044736	52.1931414																		
93C01	1202	46557	10	421950	5779000	421855	5779202	-124.1409054	52.1559740	62.30	15.40	6.31	1.47	4.28	3.55	1.70	1.26	0.13	0.08	0.004	699	521	188	17	27	3.8	100.50
93C01	1203	46558	10	420850	577920																						

Element Oxide, Trace Element and Loss on Ignition Results

Mapsheet	Sample	Lab	UT	UTM	UTM	UTM	UTM	SiO2_IC Al2O3_IC Fe2O3_IC MgO_IC CaO_IC Na2O_IC K2O_IC TiO2_IC P2O5_IC MnO_IC Cr2O3_IC Ba_IC_p Sr_IC_p Zr_IC_p Y_IC_pp Nb_IC_p LOI_GR																			
#	#	#	M Z	E 27	N 27	E 83	N 83	LONG 27	LAT 27	%	C %	C %	%	%	%	%	%	%	%	C %	pm	pm	pm	m	pm	%	SUM %
93C01	1233	46569	10	410000	5781950	409905	5782152	-124.3163217	52.1806709	66.50	15.63	3.75	0.68	3.45	3.55	2.27	1.03	0.04	0.05	0.009	886	493	248	12	18	3.6	100.81
93C01	1234	46570	10	411550	5780250	411455	5780452	-124.2932148	52.1656414	63.34	15.86	5.72	1.05	3.05	3.10	2.08	1.25	0.07	0.07	0.010	857	425	261	16	22	5.0	100.84
93C01	1236	46572	10	416400	5777000	416305	5777202	-124.2215218	52.1371841	62.37	15.46	6.01	1.25	4.52	3.51	1.90	1.41	0.20	0.07	0.013	695	550	220	14	25	3.5	100.43
93C01	1237	46573	10	418000	5775300	417905	5775502	-124.1977391	52.1221430	62.92	15.60	5.92	1.40	4.50	3.52	1.54	1.01	0.15	0.08	0.007	614	534	190	18	18	3.6	100.44
93C01	1241	46574	10	429100	5788800	429005	5789002	-124.0384603	52.2450324																		
93C01	1243	46575	10	429750	5786650	429655	5786852	-124.0284947	52.2257891	55.72	14.65	7.10	2.36	6.59	3.05	1.71	1.23	0.25	0.12	0.013	603	514	176	19	25	7.3	100.29
93C01	1245	46576	10	430450	5785700	430355	5785902	-124.0180528	52.2173382																		
93C01	1252	46577	10	426800	5776150	426705	5776352	-124.0694098	52.1310192																		
93C01	1254	46578	10	398650	5786550	398555	5786752	-124.4836440	52.2200456																		
93C01	1255	46579	10	403900	5779200	403805	5779402	-124.4047322	52.1549250																		
93C01	1256	46580	10	411250	5778750	411155	5778952	-124.2972078	52.1521106																		
93C01	1257	46582	10	398700	5770900	398605	5771102	-124.4782457	52.0793969																		
93C01	1258	46583	10	397850	5763250	397755	5763452	-124.4883588	52.0104837	65.43	15.56	4.53	1.17	4.66	3.81	0.99	0.79	0.06	0.09	0.006	596	580	229	17	15	3.4	100.70
93C01	1259	46584	10	406150	5769100	406055	5769302	-124.3690696	52.0645311																		
93C08	2001	46414	10	399500	5817200	399405	5817402	-124.4803839	52.4956659	56.52	15.41	9.83	2.43	5.36	3.97	2.12	1.93	0.32	0.14	0.014	543	485	257	25	50	2.6	100.84
93C08	2003	46415	10	399850	5814900	399755	5815102	-124.4745387	52.4750597	58.58	15.82	8.91	1.76	3.77	4.72	3.45	1.40	0.23	0.16	0.007	636	295	559	33	57	1.8	100.84
93C08	2005	46416	10	398350	5813600	398255	5813802	-124.4962192	52.4630991	56.80	15.64	9.25	2.03	4.65	4.26	2.55	1.67	0.29	0.14	0.009	506	416	295	27	23	3.1	100.57
93C08	2007	46417	10	402950	5816700	402855	5816902	-124.4294365	52.4917970	56.60	15.34	9.43	2.51	5.16	3.77	2.10	1.78	0.33	0.15	0.012	572	473	249	24	47	3.1	100.48
93C08	2009	46418	10	401850	5813750	401755	5813952	-124.4447638	52.4650875	55.91	15.77	10.07	1.77	4.29	3.65	1.99	1.95	0.23	0.11	0.009	511	430	277	25	50	4.7	100.63
93C08	2012	46419	10	407050	5813000	406955	5813202	-124.3680354	52.4592567	59.10	16.33	8.07	1.61	3.05	3.01	2.11	1.33	0.12	0.14	0.011	735	351	226	27	37	5.7	100.79
93C08	2015	46420	10	405650	5810950	405555	5811152	-124.3880546	52.4405920	55.53	16.92	9.55	1.23	3.37	3.87	2.53	2.15	0.14	0.11	0.009	568	403	258	21	53	5.0	100.60
93C08	2016	46422	10	407050	5808750	406955	5808952	-124.3668526	52.4210589	56.01	15.15	10.40	2.61	5.55	4.06	2.28	2.11	0.36	0.16	0.009	526	480	262	23	53	1.0	99.89
93C08	2018	46423	10	408200	5807000	408105	5807202	-124.3494665	52.4055244	54.93	15.14	10.61	3.08	5.83	3.96	1.79	2.24	0.35	0.15	0.011	531	508	245	23	50	1.2	99.48
93C08	2021	46424	10	409150	5804300	409055	5804502	-124.3347731	52.3814156	53.30	15.65	11.41	3.24	5.57	3.51	1.35	2.19	0.31	0.15	0.017	503	504	228	22	48	3.2	100.08
93C08	2025	46425	10	410600	5802150	410505	5802352	-124.3129026	52.3623299	54.29	14.89	11.67	3.74	6.25	3.67	1.34	2.53	0.38	0.17	0.024	534	531	234	22	51	1.5	100.65
93C08	2027	46426	10	413000	5801450	412905	5801652	-124.2774850	52.3564245	55.39	15.60	10.00	2.10	5.06	3.32	1.36	1.93	0.25	0.11	0.013	564	498	205	21	41	5.3	100.62
93C08	2033	46427	10	413350	5812750	413255	5812952	-124.2752731	52.4580455	57.34	15.89	8.44	2.31	4.89	3.55	2.14	1.57	0.32	0.14	0.015	670	462	229	23	40	4.0	100.81
93C08	2036	46428	10	402500	5810000	402405	5810202	-124.4341039	52.4315010	48.73	12.97	7.32	2.52	10.97	3.41	1.91	1.53	0.24	0.11	0.005	440	503	223	21	40	10.4	100.29
93C08	2037	46429	10	405350	5808400	405255	5808602	-124.3917445	52.4176216	55.04	15.55	9.00	1.99	4.43	3.71	2.27	1.74	0.20	0.11	0.009	501	435	247	26	46	6.3	100.53
93C08	2040	46430	10	405400	5803650	405305	5803852	-124.3896676	52.3749387	55.09	16.80	9.92	1.33	3.90	3.49	1.70	2.46	0.12	0.11	0.015	599	458	213	19	47	5.4	100.53
93C08	2041	46432	10	403250	5804550	403155	5804752	-124.4215003	52.3826520																		
93C08	2042	46433	10	406200	5806500	406105	5806702	-124.3787174	52.4006914	54.05	17.23	9.53	1.62	3.82	3.36	1.85	2.40	0.15	0.10	0.014	603	432	213	16	48	6.2	100.52
93C08	2044	46434	10	410700	5805850	410605	5806052	-124.3124202	52.3956019	54.12	16.79	10.11	1.82	4.21	3.56	1.85	2.23	0.28	0.11	0.014	574	477	213	21	47	5.5	100.79
93C08	2047	46435	10	413900	5804150	413805	5804352	-124.2649663	52.3808347	56.30	16.70	8.30	1.58	3.47	1.80	1.80	2.21	0.15	0.10	0.012	642	456	224	20	43	6.5	100.81
93C08	2055	46436	10	416100	5809200	416005	5809402	-124.2339184	52.4265668	58.05	15.95	9.55	1.23	3.65	3.67	1.96	2.55	0.10	0.12	0.035	644	476	251	15	50	3.8	100.87
93C08	2056	46437	10	414750	5807300	414655	5807502	-124.2532834	52.4092805	58.14	15.70	7.84	1.60	4.15	3.49	1.87	1.87	0.10	0.09	0.027	642	475	208	16	38	5.4	100.48
93C08	2058	46438	10	414100	5815200	414005	5815402	-124.2648691	52.4801847	57.78	16.17	9.05	1.56	3.99	3.61	1.79	2.03	0.13	0.09	0.016	614	459	244	20	43	4.3	100.72
93C08	2060	46439	10	416600	5814200	416505	5814402	-124.2278159	52.4715844	56.53	15.79	8.14	1.65	3.75	3.16	1.94	1.49	0.19	0.08	0.011	650	426	210	24	38	7.6	100.53
93C08	2062	46440	10	420600	5813600	420505	5813802	-124.1687987	52.4667878	58.44	15.61	7.39	1.72	3.98	3.12	2.05	1.35	0.13	0.08	0.012	719	445	227	19	34	6.5	100.59
93C08	2064	46442	10	423200	5813550	423105	5813752	-124.1305224	52.4667103																		
93C08	2068	46443	10	425950	5814950	425855	5815152	-124.0903605	52.4796742	58.60	15.98	7.81	1.57	3.90	3.50	1.99	1.79	0.12	0.09	0.014	662	649	234	20	40	5.0	100.57
93C08	2074	46444	10	430200	5811250	430105	5811452	-124.0270177	52.4469758	58.39	15.42	7.80	1.95	4.64	3.38	1.97	1.40	0.22	0.09	0.013	727	497	221	21	34	5.1	100.59
93C08	2077	46445	10	423950	5811250	423855	5811452	-124.1189602	52.4461416	55.35	14.07	7.25	2.36	6.73	3.21	1.99	1.39	0.27	0.11	0.012	686	509	243	21	35	7.7	100.66
93C08	2081	46446	10	428100	5809000	428005	5809202	-124.0574266	52.4264788																		
93C08	2083	46447	10	430450	5808000	430355	5808202	-124.0226634	52.4177939	59.76	14.48	4.76	1.97	2.87	2.11	1.95	0.73	0.13	0.07	0.008	710	284	328	33	39	11.8	100.85
93C08	2087	46448	10	430700	5805650	430605	5805852	-124.0185014	52.3967016	60.98	14.33	6.00	1.92	3.36	2.58	1.89	1.00	0.16	0.09	0.012	649	366	267	23	32	8.0	100.52
93C08	2090	46449	10	428750	5802800	428655	5803002	-124.0465494	5																		

Element Oxide, Trace Element and Loss on Ignition Results

Mapsheet	Sample	Lab	UT	UTM	UTM	UTM	UTM		SiO2_IC	Al2O3_IC	Fe2O3_IC	MgO_IC	CaO_IC	Na2O_IC	K2O_IC	TiO2_IC	P2O5_IC	MnO_IC	Cr2O3_IC	Ba_IC_p	Sr_IC_p	Zr_IC_p	Y_IC_pp	Nb_IC_p	LOI_GR		
#	#	#	M Z	E 27	N 27	E 83	N 83	LONG 27	LAT 27	%	C %	C %	%	%	%	%	%	%	C %	pm	pm	pm	m	pm	%	SUM %	
93C08	2123	46463	10	419550	5794950	419455	5795152	-124.1797742	52.2989994	56.04	14.20	8.66	2.52	6.60	3.58	1.72	1.81	0.32	0.12	0.013	639	571	224	19	33	2.5	98.30
93C08	2124	46464	10	422450	5794750	422355	5794952	-124.1372098	52.2976187	57.81	15.59	8.95	1.13	4.09	3.52	1.90	2.24	0.07	0.10	0.014	669	526	284	17	38	3.9	99.54
93C08	2126	46465	10	421650	5793150	421555	5793352	-124.1485665	52.2831233	57.65	15.72	8.87	1.64	4.47	3.46	1.77	2.04	0.13	0.10	0.013	685	544	267	18	37	3.6	99.69
93C08	2128	46466	10	425350	5790900	425255	5791102	-124.0938396	52.2634132	62.21	15.50	6.03	1.10	4.18	3.91	1.94	1.79	0.09	0.08	0.011	763	552	250	15	35	3.1	100.18
93C08	2131	46467	10	427600	5791500	427505	5791702	-124.0610055	52.2691074	58.86	15.14	8.06	1.81	4.69	3.56	1.89	1.68	0.19	0.10	0.013	649	534	238	17	33	4.3	100.51
93C08	2132	46468	10	424350	5798650	424255	5798852	-124.1102305	52.3329399	57.51	14.38	9.59	3.03	5.94	3.65	1.83	2.01	0.32	0.13	0.012	624	567	261	20	36	1.0	99.62
93C08	2135	46469	10	427850	5796700	427755	5796902	-124.0584562	52.3158830																		
93C08	2138	46470	10	428500	5793200	428405	5793402	-124.0481791	52.2845066																		
93C08	2142	46472	10	411100	5798250	411005	5798452	-124.3045295	52.3273577	55.06	15.63	9.33	1.58	4.46	3.29	1.73	1.88	0.18	0.09	0.014	602	501	234	21	36	6.0	99.44
93C08	2143	46473	10	408750	5799550	408655	5799752	-124.3393565	52.3386563																		
93C08	2144	46474	10	406850	5800550	406755	5800752	-124.3675133	52.3473248	55.63	16.70	9.46	1.43	4.02	3.51	1.88	2.40	0.11	0.10	0.014	645	482	228	16	45	5.3	100.76
93C08	2147	46475	10	401200	5801850	401105	5802052	-124.4508142	52.3580198	54.23	16.48	10.00	1.55	4.08	3.45	1.99	2.62	0.15	0.11	0.018	647	470	244	16	48	5.2	100.09
93C08	2148	46476	10	399300	5801900	399205	5802102	-124.4787195	52.3581234	54.00	16.33	10.27	1.94	4.90	2.31	1.86	2.31	0.23	0.12	0.015	588	497	253	20	46	5.2	100.93
93C08	2149	46477	10	404600	5801500	404505	5801702	-124.4008044	52.3554764	57.55	16.23	8.62	1.08	3.66	3.58	1.94	2.09	0.05	0.09	0.016	676	484	228	15	41	4.5	99.62
93C08	2152	46478	10	416550	5796300	416455	5796502	-124.2240922	52.3106862	57.38	15.35	8.18	1.56	4.58	3.47	1.94	1.73	0.09	0.10	0.012	667	525	217	20	34	5.1	99.70
93C08	2154	46479	10	413400	5795650	413305	5795852	-124.2701189	52.3043560	56.40	14.74	9.01	1.81	5.10	3.43	1.67	1.96	0.17	0.09	0.015	593	537	254	18	34	5.0	99.60
93C08	2155	46480	10	406950	5794850	406855	5795052	-124.3644686	52.2961107	58.23	15.73	8.68	1.11	4.17	3.49	1.84	2.14	0.07	0.10	0.015	653	514	253	16	39	4.0	99.79
93C08	2157	46482	10	403100	5794950	403005	5795152	-124.4209347	52.2963439	55.90	16.36	9.01	1.49	3.97	3.40	1.88	2.25	0.09	0.10	0.015	666	466	225	15	40	5.4	100.07
93C08	2160	46483	10	403950	5798000	403855	5798202	-124.4093449	52.3239059	55.34	15.31	8.24	1.73	4.75	3.43	2.01	4.96	0.12	0.10	0.014	628	490	214	15	37	7.3	100.50
93C08	2163	46484	10	408000	5797000	407905	5797202	-124.3496639	52.3156118	58.19	15.96	8.75	1.11	3.88	3.64	1.78	2.22	0.05	0.09	0.014	685	484	191	16	41	4.7	100.59
93C08	2166	46581	10	408750	5794600	408655	5794802	-124.3380139	52.2941657																		
93C08	2168	46485	10	416750	5789950	416655	5790152	-124.2195910	52.2536397	60.64	15.65	7.48	1.58	4.75	3.72	1.49	1.59	0.15	0.08	0.008	680	529	207	18	30	3.1	100.45
93C08	2170	46486	10	416950	5792750	416855	5792952	-124.2173509	52.2788377																		
93C08	2172	46487	10	416200	5794900	416105	5795102	-124.2288764	52.2980491	57.95	14.76	8.61	2.84	5.70	3.60	1.93	1.67	0.34	0.13	0.008	692	531	204	19	33	2.8	100.55
93C08	2173	46488	10	414400	5794100	414305	5794302	-124.2550623	52.2905809	59.93	15.26	7.65	1.51	4.75	3.71	1.81	1.95	0.08	0.09	0.012	682	519	193	14	34	3.6	100.56
93C08	2175	46489	10	413250	5791650	413155	5791852	-124.2712886	52.2683791	60.47	15.38	7.23	1.17	4.36	3.77	1.98	1.91	0.06	0.10	0.009	702	502	212	15	34	3.8	100.45
93C08	2178	46490	10	415150	5791400	415055	5791602	-124.2433892	52.2664285	60.37	15.40	7.36	1.60	4.74	3.66	1.91	1.85	0.09	0.09	0.014	679	504	209	15	32	3.5	100.79
93C08	2182	46492	10	429850	5793400	429755	5793602	-124.0284335	52.2864783	62.82	15.93	6.44	1.02	3.62	3.86	1.91	1.79	0.04	0.08	0.027	740	490	198	14	30	3.4	100.55
93C08	2184	46493	10	428800	5790600	428705	5790802	-124.0432331	52.2611740	56.67	15.22	8.60	1.83	4.59	3.22	1.71	1.58	0.22	0.11	0.030	591	461	220	21	31	6.4	100.37
93C08	2185	46494	10	430250	5791000	430155	5791202	-124.0220739	52.2649554	57.42	15.66	7.84	1.70	4.05	3.19	1.62	1.48	0.25	0.10	0.009	640	444	188	21	31	7.0	100.51
93C08	2186	46495	10	427900	5789500	427805	5789702	-124.0561827	52.2511688	59.14	14.48	7.89	2.20	5.81	3.40	1.86	1.43	0.30	0.11	0.007	678	505	200	18	29	4.1	100.65
93C08	2187	46496	10	431750	5815500	431656	5815702	-124.0050851	52.4853743	61.52	17.19	4.64	0.53	3.90	3.85	2.67	1.13	0.04	0.05	0.011	1330	566	197	10	27	4.6	100.46
93C08	2188	46497	10	418050	5815250	417955	5815452	-124.2067324	52.4812416	65.80	15.93	3.69	0.95	3.91	4.14	1.93	1.60	0.05	0.05	0.007	804	502	220	13	31	2.6	100.89
93C08	2189	46498	10	407350	5815900	407255	5816102	-124.3644274	52.4853719	56.18	16.32	8.56	1.56	3.76	3.54	1.95	1.90	0.28	0.10	0.010	604	378	213	17	43	6.4	100.74
93C08	2190	46499	10	400500	5808100	400405	5808302	-124.4629456	52.4140646	56.74	16.22	9.53	1.15	3.81	4.02	2.27	2.09	0.12	0.11	0.009	590	423	253	21	48	4.3	100.56
93C08	2191	46500	10	412050	5808950	411955	5809152	-124.2933999	52.4236834	60.02	15.91	7.72	0.95	2.80	3.51	2.33	1.99	0.12	0.07	0.011	900	392	205	11	41	4.8	100.47
93C08	2192	46502	10	420550	5804400	420455	5804602	-124.1673479	52.3840869	60.95	16.42	5.42	1.02	4.31	4.24	1.88	1.93	0.06	0.06	0.008	879	598	197	13	35	3.9	100.45
93C08	2193	46503	10	423550	5806950	423455	5807152	-124.1238608	52.4074349	57.64	16.72	6.92	1.53	3.64	3.33	1.92	1.41	0.07	0.07	0.014	956	498	177	13	30	6.9	100.42
93C08	2194	46504	10	400050	5795350	399955	5795552	-124.4657627	52.2993925																		
93C08	2195	46505	10	403400	5792300	403305	5792502	-124.4157775	52.2725791	63.54	16.43	3.70	0.90	3.54	3.75	1.94	2.06	0.15	0.05	0.008	807	481	202	13	32	4.6	100.90
93C09	3002	46856	10	400300	5840550	400205	5840752	-124.4756403	52.7056608	53.17	15.24	11.54	4.18	5.71	3.06	1.18	2.39	0.32	0.15	0.026	609	640	357	22	56	3.3	100.50
93C09	3005	46754	10	418100	5826100	418005	5826302	-124.2086710	52.5787705																		
93C09	3008	46755	10	419000	5827550	418905	5827752	-124.1957468	52.5919381																		
93C09	3012	46756	10	417300	5827050	417205	5827252	-124.2207117	52.5871881	59.31	15.29	6.25	2.22	3.87	2.69	2.19	0.88	0.20	0.11	0.013	913	456	215	18	24	7.6	100.87
93C09	3013	46757	10	417850	5829100	417755	5829302	-124.2131041	52.6056969	59.16	15.40	7.29	2.00	4.35	3.28	2.05	1.34	0.23	0.10	0.011	720	453	256	22	33	5.0	100.43
93C09	3017	46758	10	418300	5834400	418205	5834602	-124.2077716	52.6534012	58.94	15.44	7.25	1.80	4.26	3.01	1.92	1.36	0.20	0.09	0.014	764	483	273	21</			

Element Oxide, Trace Element and Loss on Ignition Results

Mapsheet	Sample	Lab	UT	UTM	UTM	UTM	UTM	SiO2_IC Al2O3_IC Fe2O3_IC MgO_IC CaO_IC Na2O_IC K2O_IC TiO2_IC P2O5_IC MnO_IC Cr2O3_IC Ba_IC_p Sr_IC_p Zr_IC_p Y_IC_pp Nb_IC_p LOI_GR																			
#	#	#	M Z	E 27	N 27	E 83	N 83	LONG 27	LAT 27	%	C %	C %	%	%	%	%	%	%	C %	pm	pm	pm	m	pm	%	SUM %	
93C09	3040	46772	10	414000	5831600	413905	5831802	-124.2705924	52.6275706	60.87	16.16	5.74	1.36	4.07	3.08	2.37	1.23	0.16	0.06	0.011	935	486	254	15	27	5.3	100.67
93C09	3044	46775	10	410200	5833300	410105	5833502	-124.3271812	52.6422342	61.26	15.27	6.64	1.64	3.75	3.09	2.00	1.25	0.14	0.10	0.015	807	438	284	24	27	4.7	100.09
93C09	3049	46776	10	422450	5825850	422355	5826052	-124.1444300	52.5771612																		
93C09	3050	46777	10	416500	5825650	416405	5825852	-124.2321644	52.5744826	58.70	15.68	7.64	2.13	4.36	3.20	1.96	1.31	0.24	0.11	0.010	779	481	226	21	31	5.2	100.77
93C09	3052	46778	10	417500	5824550	417405	5824752	-124.2171378	52.5647483	56.37	14.70	10.28	2.71	4.91	3.01	1.82	2.08	0.21	0.13	0.021	692	466	327	21	40	4.3	100.77
93C09	3055	46779	10	418350	5824330	418255	5824532	-124.2045464	52.5628992	58.09	16.14	7.07	1.70	3.86	3.22	2.04	1.34	0.17	0.08	0.008	860	479	241	21	28	6.8	100.76
93C09	3062	46780	10	402950	5840600	402855	5840802	-124.4364465	52.7065917	62.94	15.91	5.73	1.70	4.23	3.44	2.57	1.21	0.18	0.08	0.009	1057	537	230	16	28	2.5	100.78
93C09	3067	46782	10	406800	5843950	406705	5844152	-124.3804311	52.7373756																		
93C09	3070	46783	10	403450	5843900	403355	5844102	-124.4300184	52.7363384	61.77	16.14	6.04	1.14	4.02	3.39	2.29	1.18	0.17	0.07	0.100	1008	553	220	16	25	4.4	100.89
93C09	3074	46855	10	423150	5829050	423055	5829252	-124.1348450	52.6060231	61.11	15.27	6.59	1.74	4.37	3.25	2.25	1.30	0.21	0.08	0.012	981	509	220	20	32	4.0	100.45
93C09	3079	46784	10	423600	5831400	423505	5831602	-124.1287444	52.6272090																		
93C09	3081	46785	10	422150	5833300	422055	5833502	-124.1506103	52.6440805																		
93C09	3082	46786	10	421550	5833600	421455	5833802	-124.1595476	52.6466905																		
93C09	3083	46787	10	421250	5830700	421155	5830902	-124.1632892	52.6205815																		
93C09	3092	46788	10	422400	5825300	422305	5825502	-124.1450389	52.5722105																		
93C09	3093	46789	10	413500	5841750	413405	5841952	-124.2806427	52.7187162																		
93C09	3094	46790	10	414800	5842100	414705	5842302	-124.2614919	52.7220682	65.96	14.95	5.26	1.13	2.69	3.11	1.92	0.94	0.10	0.06	0.009	761	375	235	19	24	4.3	100.64
93C09	3096	46792	10	414800	5841750	414705	5841952	-124.2614011	52.7189225	61.94	14.76	7.01	1.44	3.58	2.83	2.15	1.35	0.18	0.09	0.012	915	444	299	22	33	5.2	100.80
93C09	3097	46793	10	414300	5841600	414205	5841802	-124.2687626	52.7174954																		
93C09	3100	46794	10	414000	5840550	413905	5840752	-124.2729281	52.7080107	58.78	15.70	6.77	1.76	3.73	2.86	2.03	1.15	0.19	0.12	0.015	967	442	258	20	29	7.2	100.56
93C09	3105	46795	10	415550	5837500	415455	5837702	-124.2492089	52.6808421	60.82	15.93	6.46	1.61	4.04	3.40	2.04	1.38	0.15	0.09	0.010	889	478	252	18	32	4.6	100.78
93C09	3108	46796	10	417100	5835350	417005	5835552	-124.2257457	52.6617576	58.59	16.40	7.42	1.72	4.18	3.37	2.08	1.47	0.17	0.08	0.012	966	497	292	22	33	5.0	100.76
93C09	3109	46797	10	404350	5832500	404255	5832702	-124.4133806	52.6340447	55.48	16.14	10.06	2.05	4.93	3.65	1.71	2.41	0.27	0.11	0.013	631	572	256	24	47	3.5	100.57
93C09	3111	46798	10	404700	5834150	404605	5834352	-124.4086869	52.6489352	57.71	15.60	8.42	2.01	4.56	3.32	2.02	1.75	0.22	0.11	0.015	751	511	274	21	42	3.9	99.87
93C09	3112	46799	10	429950	5828900	429855	5829102	-124.0344162	52.6055942	61.35	16.91	5.17	1.07	3.57	3.94	2.39	1.18	0.17	0.06	0.005	851	450	236	17	32	4.5	100.55
93C09	3113	46800	10	430450	5829750	430355	5829952	-124.0272129	52.6132987																		
93C09	3114	46802	10	430700	5828050	430605	5828252	-124.0231650	52.5980501	65.25	15.77	4.15	0.98	4.03	3.69	2.30	1.15	0.12	0.06	0.009	1021	482	239	16	25	3.0	100.78
93C09	3115	46803	10	430500	5827250	430405	5827452	-124.0259493	52.5908336	59.05	17.04	5.96	1.13	3.07	2.91	1.81	1.10	0.10	0.06	0.011	943	383	245	13	24	8.2	100.68
93C09	3116	46804	10	430600	5826000	430505	5826202	-124.0242114	52.5796106																		
93C09	3117	46805	10	430650	5824750	430555	5824952	-124.0232120	52.5683812																		
93C09	3118	46806	10	431100	5824000	431005	5824202	-124.0164179	52.5616969	63.96	15.74	5.43	1.07	3.89	3.65	2.26	1.25	0.10	0.06	0.014	982	473	209	13	27	3.0	100.68
93C09	3121	46807	10	430600	5822600	430505	5822802	-124.0234997	52.5490492	62.95	16.21	5.08	0.85	3.39	3.61	2.24	1.23	0.08	0.06	0.009	978	464	200	12	27	4.1	100.06
93C09	3122	46808	10	430350	5821500	430255	5821702	-124.0269553	52.5391297	64.10	16.08	5.01	1.04	4.05	3.78	2.48	1.18	0.10	0.06	0.008	1020	510	198	14	25	2.7	100.85
93C09	3123	46809	10	429950	5820500	429855	5820702	-124.0326411	52.5300897	64.22	15.92	4.79	1.08	4.25	3.87	2.31	1.27	0.13	0.07	0.008	948	513	215	17	29	2.5	100.68
93C09	3124	46810	10	429500	5819500	429405	5819702	-124.0390615	52.5210430	63.61	16.19	5.03	0.96	3.44	3.88	2.19	1.43	0.06	0.06	0.013	929	478	223	13	31	3.3	100.41
93C09	3125	46812	10	429500	5817900	429405	5818102	-124.0387222	52.5066611	62.46	16.27	6.09	0.96	3.41	3.95	2.19	1.49	0.07	0.07	0.008	863	481	212	16	34	3.6	100.81
93C09	3126	46813	10	428550	5819050	428455	5819252	-124.0529637	52.5168744																		
93C09	3128	46814	10	427600	5820300	427505	5820502	-124.0672336	52.5279848	64.47	16.07	5.25	1.00	3.24	3.65	2.23	1.21	0.06	0.06	0.009	949	438	229	14	29	3.2	100.70
93C09	3129	46815	10	426800	5821300	426705	5821502	-124.0792443	52.5368664	62.61	15.91	5.15	1.09	3.80	3.91	2.30	1.45	0.11	0.07	0.009	875	496	228	16	33	3.3	99.95
93C09	3130	46816	10	425800	5822450	425705	5822652	-124.0942422	52.5470678	62.03	16.44	6.02	1.15	3.75	3.60	2.19	1.47	0.07	0.07	0.010	960	468	225	12	31	3.8	100.85
93C09	3135	46818	10	411250	5840950	411155	5841152	-124.3137287	52.7111618	60.97	16.89	6.11	1.16	3.10	3.02	1.59	1.20	0.09	0.06	0.014	837	376	264	15	27	6.4	100.83
93C09	3136	46819	10	412050	5839750	411955	5839952	-124.3015690	52.7005074	60.14	16.48	6.13	1.32	3.42	2.95	1.85	1.27	0.07	0.06	0.014	980	432	232	15	25	6.5	100.46
93C09	3137	46820	10	412900	5838800	412805	5839002	-124.2887419	52.6921065	58.89	17.00	6.80	1.54	3.80	3.21	1.97	1.47	0.11	0.07	0.016	974	458	230	13	28	5.6	100.73
93C09	3142	46822	10	414950	5834950	414855	5835152	-124.2574238	52.6578295																		
93C09	3144	46823	10	414300	5834050	414205	5834252	-124.2667974	52.6496381																		
93C09	3146	46824	10	413450	5833300	413355	5833502	-124.2791617	52.6427624	60.22	16.49	6.44	1.58	4.11	3.29	2.29	1.35	0.16	0.08	0.011	1016	487	247	19	31	4.4	100.69
93C09	3148	46826	10	429800	5838800	429705	5839002	-124.0387376	52.6945609	58.76	15.91	7.86	2.08	3.75	2.61	1.88	1.21	0.23	0.17	0.016	766	388	217	20	28	6.0	100.69
93C09	3150	46827	10	430350	5839100	430255	5839302	-124.0306643	52.6973284	68.26	15.04	3.90	0.53	2.29	3.07	2.93	0.87	0.09	0.05	0.007	1320	374	247	19	22	3	

Element Oxide, Trace Element and Loss on Ignition Results

Mapsheet	Sample	Lab	UT	UTM	UTM	UTM	UTM		SiO2_IC	Al2O3_I	Fe2O3_I	MgO_IC	CaO_IC	Na2O_IC	K2O_IC	TiO2_IC	P2O5_IC	MnO_IC	Cr2O3_I	Ba_IC_p	Sr_IC_p	Zr_IC_p	Y_IC_pp	Nb_IC_p	LOI_GR		
#	#	#	M Z	E 27	N 27	E 83	N 83	LONG 27	LAT 27	%	C %	C %	%	%	%	%	%	%	C %	%	pm	pm	pm	m	pm	%	SUM %
93C09	3163	46838	10	420900	5839750	420805	5839952	-124.1706296	52.7018726	64.35	16.28	4.59	0.89	2.60	3.15	1.88	1.09	0.04	0.06	0.007	1078	383	243	12	27	4.6	100.53
93C09	3164	46839	10	421650	5836200	421555	5836402	-124.1586876	52.6700741	68.13	16.13	2.94	0.48	2.38	3.09	1.47	0.97	0.02	0.04	0.004	710	355	438	15	36	4.6	100.48
93C09	3165	46840	10	424550	5835750	424455	5835952	-124.1157066	52.6664408	68.10	14.67	3.89	0.76	2.76	3.31	2.03	0.97	0.11	0.05	0.005	1086	408	260	14	25	3.1	100.03
93C09	3168	46842	10	426700	5827250	426605	5827452	-124.0820338	52.5903345	63.22	16.87	4.39	0.87	3.02	3.61	2.03	1.17	0.07	0.06	0.005	1170	406	255	13	27	5.1	100.70
93C09	3171	46843	10	430350	5831050	430255	5831252	-124.0289635	52.6249710	66.13	15.86	3.50	0.82	3.07	6.57	1.80	1.18	0.07	0.04	0.021	1032	435	238	13	26	4.3	100.63
93C09	3172	46844	10	431400	5832200	431305	5832402	-124.0136931	52.6354416																		
93C09	3173	46845	10	430150	5835000	430055	5835202	-124.0327537	52.6604500	62.57	17.01	4.98	1.37	3.19	3.42	1.91	1.05	0.08	0.05	0.017	1098	448	256	11	27	4.8	100.73
93C09	3176	46846	10	409850	5837950	409755	5838152	-124.3336241	52.6839681																		
93C09	3178	46847	10	407800	5827050	407705	5827252	-124.3608977	52.5856600	57.14	17.43	6.59	1.68	3.78	3.33	1.39	1.57	0.06	0.07	0.021	712	441	188	16	34	7.2	100.47
93C09	3180	46848	10	414000	5821850	413905	5822052	-124.2680606	52.5399390																		
93C09	3183	46849	10	424450	5821600	424355	5821802	-124.1139535	52.5392420	61.39	16.28	6.10	0.88	2.74	3.44	1.80	1.31	0.11	0.06	0.010	947	427	243	18	31	6.3	100.67
93C09	3186	46850	10	427100	5842650	427005	5842852	-124.0795354	52.7288090	65.44	14.49	4.66	1.61	2.91	3.34	1.61	1.37	0.04	0.06	0.010	805	351	259	16	27	4.8	100.56
93C16	4100	46859	10	399300	5866200	399205	5866402	-124.4983446	52.9359831	57.60	15.18	9.79	2.12	4.35	3.45	1.38	2.21	0.27	0.13	0.009	585	423	337	29	54	4.1	100.80
93C16	4102	46860	10	400600	5866550	400505	5866752	-124.4791159	52.9393707	54.11	15.77	11.02	2.31	5.24	3.18	1.23	2.47	0.35	0.13	0.016	574	498	313	28	56	4.5	100.54
93C16	4103	46862	10	401950	5867000	401855	5867202	-124.4591705	52.9436629	53.61	15.82	11.20	2.30	5.34	3.28	1.30	2.48	0.40	0.14	0.011	555	498	284	27	55	4.7	100.78
93C16	4104	46863	10	403100	5867150	403005	5867352	-124.4421071	52.9452198	53.55	15.28	10.82	2.74	5.92	3.37	1.28	2.44	0.41	0.14	0.010	543	508	279	25	53	3.5	99.66
93C16	4105	46864	10	404600	5867200	404505	5867402	-124.4198057	52.9459378	55.24	15.45	10.30	2.30	5.39	3.24	1.23	2.22	0.34	0.13	0.018	550	492	272	24	49	4.4	100.46
93C16	4106	46865	10	405900	5867400	405805	5867602	-124.44005227	52.9479647	55.97	15.39	9.60	2.10	4.39	3.27	1.42	2.05	0.34	0.12	0.006	571	434	345	32	55	5.7	100.56
93C16	4107	46866	10	407050	5867750	406955	5867952	-124.3835127	52.9513106	55.66	15.21	9.62	2.18	4.70	3.29	1.36	2.04	0.36	0.12	0.011	566	446	330	30	55	5.2	99.96
93C16	4108	46867	10	408300	5868150	408205	5868352	-124.3650261	52.9551204	52.00	16.50	11.30	2.20	4.36	2.97	1.17	2.67	0.25	0.12	0.020	581	472	278	27	54	6.3	100.06
93C16	4109	46868	10	410700	5867450	410605	5867652	-124.3291180	52.9492343	54.54	15.81	10.00	2.62	5.08	3.01	1.25	2.21	0.32	0.13	0.030	594	498	263	24	47	4.8	100.56
93C16	4111	46869	10	412200	5867250	412105	5867452	-124.3067446	52.9476844	56.31	15.22	10.47	2.22	4.80	3.07	1.45	1.92	0.31	0.11	0.013	580	436	292	27	50	5.6	100.65
93C16	4112	46870	10	411200	5866000	411105	5866202	-124.3212811	52.9362860	55.20	16.95	9.27	2.07	3.59	2.88	1.33	2.04	0.27	0.11	0.037	710	399	302	17	48	6.6	100.56
93C16	4114	46872	10	410100	5865350	410005	5865552	-124.3374634	52.9302613	52.27	16.04	11.73	3.28	5.88	3.14	1.92	2.66	0.32	0.14	0.020	577	528	261	24	53	3.9	100.78
93C16	4115	46873	10	408350	5864350	408255	5864552	-124.3632082	52.9209784	58.20	17.34	6.42	1.51	2.86	2.94	1.41	1.60	0.17	0.06	0.009	866	351	270	15	40	7.8	100.55
93C16	4116	46874	10	406700	5863700	406605	5863902	-124.3875559	52.9148529	57.57	16.95	7.79	1.39	2.85	3.38	1.83	1.79	0.17	0.08	0.008	640	380	294	22	48	6.5	100.51
93C16	4117	46875	10	405200	5862800	405105	5863002	-124.4095939	52.9065022	55.91	16.02	9.31	2.02	4.05	3.36	1.60	2.14	0.32	0.12	0.013	588	429	333	29	55	5.5	100.57
93C16	4118	46876	10	403400	5861900	403305	5862102	-124.4360817	52.8980936	51.28	18.12	10.28	2.00	3.08	2.72	1.10	2.34	0.28	0.11	0.016	666	403	269	22	54	9.1	100.63
93C16	4119	46877	10	401900	5861100	401805	5861302	-124.4581320	52.8906326																		
93C16	4120	46878	10	400200	5860250	400105	5860452	-124.4831304	52.8826812	51.34	17.70	10.12	1.47	3.20	2.90	1.51	2.35	0.26	0.10	0.015	601	402	246	24	47	9.1	100.26
93C16	4121	46879	10	399100	5855900	399005	5856102	-124.4981241	52.8433844	53.48	17.42	9.15	1.08	2.59	2.94	1.83	2.20	0.34	0.09	0.014	744	334	271	18	47	9.2	100.55
93C16	4123	46880	10	400350	5852550	400255	5852752	-124.4785488	52.8135117	55.15	17.38	8.95	0.98	2.25	3.13	2.07	1.98	0.22	0.09	0.017	705	306	332	21	53	8.2	100.63
93C16	4126	46882	10	412650	5865650	412555	5865852	-124.2996180	52.9333783	54.70	15.71	10.08	2.37	5.10	3.12	1.68	2.04	0.33	0.13	0.016	637	482	240	24	43	4.9	100.38
93C16	4127	46883	10	413600	5865100	413505	5865302	-124.2853411	52.9285890	55.53	15.18	9.25	2.33	4.97	3.03	1.75	1.83	0.28	0.14	0.021	638	468	240	24	42	6.0	100.52
93C16	4130	46884	10	415900	5863450	415805	5863652	-124.2507064	52.9141249																		
93C16	4134	46885	10	418750	5863000	418655	5863202	-124.2082201	52.9105191	56.32	17.04	7.71	1.44	3.70	3.39	1.83	2.21	0.14	0.07	0.024	825	489	230	19	42	6.4	100.51
93C16	4135	46886	10	420450	5862700	420355	5862902	-124.1828729	52.9080772	55.06	15.78	9.14	2.48	5.30	3.16	1.77	1.82	0.32	0.11	0.022	743	525	218	23	38	5.3	100.49
93C16	4136	46887	10	421850	5863200	421755	5863402	-124.1621805	52.9127764																		
93C16	4137	46888	10	422800	5862800	422705	5863002	-124.1479610	52.9093187	53.21	15.73	9.94	2.93	5.22	2.91	1.69	1.78	0.30	0.11	0.027	642	476	206	22	38	6.6	100.65
93C16	4140	46892	10	426900	5861200	426805	5861402	-124.0866466	52.8955113	54.34	15.34	9.38	2.89	5.34	3.03	1.71	1.68	0.31	0.11	0.021	643	466	224	23	39	6.2	100.55
93C16	4143	46893	10	429450	5860750	429355	5860952	-124.0486497	52.8918073																		
93C16	4145	46894	10	431600	5860150	431505	5860352	-124.0165717	52.8866922	55.07	15.19	9.16	2.80	5.49	3.05	1.68	1.72	0.31	0.16	0.021	656	464	213	23	38	5.6	100.45
93C16	4146	46895	10	409700	5856300	409605	5856502	-124.3409000	52.8488606	55.53	15.09	9.09	2.61	5.58	3.08	1.67	1.73	0.29	0.14	0.024	659	474	196	21	37	5.4	100.44
93C16	4147	46896	10	410650	5857000	410555	5857202	-124.3269891	52.8553102	58.26	15.95	8.73	1.49	3.93	3.33	1.85	2.09	0.15	0.09	0.021	668	459	246	24	41	4.8	100.90
93C16	4148	46897	10	410100	5858500	410005	5858702	-124.3355690	52.8686994	53.83	16.24	10.73	1.99	4.70	3.21	1.58	2.40	0.21	0.11	0.026	586	486	217	24	43	5.4	100.62
93C16	4151	46898	10	408900	5860350	408805	5860552	-124.3539087	52.8851238	53.02	17																

Element Oxide, Trace Element and Loss on Ignition Results

Mapsheet	Sample	Lab	UT	UTM	UTM	UTM	UTM			SiO2_IC	Al2O3_I	Fe2O3_I	MgO_IC	CaO_IC_	Na2O_IC	K2O_IC_	TiO2_IC	P2O5_IC	MnO_IC	Cr2O3_I	Ba_IC_p	Sr_IC_p	Zr_IC_p	Y_IC_pp	Nb_IC_p	LOI_GR	
#	#	#	M Z	E 27	N 27	E 83	N 83	LONG 27	LAT 27	%	C %	C %	%	%	%	%	%	%	%	C %	pm	pm	pm	m	pm	%	SUM %
93C16	4169	46912	10	429900	5852150	429805	5852352	-124.0401126	52.8145680	55.90	15.79	7.97	2.52	4.62	2.35	1.64	1.26	0.21	0.08	0.024	845	432	225	21	29	7.9	100.50
93C16	4170	46913	10	429300	5852100	429205	5852302	-124.0490027	52.8140402																		
93C16	4175	46914	10	427250	5851650	427155	5851852	-124.0793133	52.8097229	56.22	15.40	8.91	2.23	4.87	3.04	1.71	1.70	0.23	0.10	0.022	681	479	208	22	36	5.8	100.44
93C16	4177	46915	10	425950	5851450	425855	5851652	-124.0985509	52.8077483	56.43	16.09	8.27	1.93	4.18	3.10	1.64	1.87	0.20	0.09	0.023	737	463	214	19	37	6.4	100.44
93C16	4178	46916	10	425000	5850400	424905	5850602	-124.1124006	52.7981796	64.95	16.34	4.06	0.87	3.68	3.41	2.82	0.85	0.15	0.05	0.018	1194	446	220	17	22	3.3	100.79
93C16	4180	46917	10	423000	5849000	422905	5849202	-124.1417288	52.7853147	54.98	17.57	8.35	1.68	3.76	2.91	1.73	1.84	0.22	0.09	0.039	845	428	219	12	35	7.5	100.90
93C16	4182	46918	10	431000	5854100	430905	5854302	-124.0242062	52.8322369																		
93C16	4185	46919	10	432000	5856800	431905	5857002	-124.0099282	52.8566324																		
93C16	4188	46920	10	429600	5867750	429505	5867952	-124.0479387	52.9547433	55.00	16.47	9.49	2.31	5.08	3.24	1.64	2.11	0.17	0.10	0.030	618	465	193	15	38	4.9	100.73
93C16	4189	46922	10	429550	5866750	429455	5866952	-124.0484655	52.9457488																		
93C16	4190	46923	10	429600	5865250	429505	5865452	-124.0473959	52.9322733																		
93C16	4194	46924	10	429750	5863100	429655	5863302	-124.0446993	52.9129686	55.33	14.79	9.29	3.14	5.62	3.07	1.38	1.81	0.28	0.13	0.023	617	465	174	21	37	4.9	99.95
93C16	4197	46925	10	419600	5852900	419505	5853102	-124.1930902	52.8198714																		
93C16	4198	46926	10	420500	5852850	420405	5853052	-124.1797257	52.8195555	56.88	15.24	8.55	2.03	4.23	3.04	1.49	1.77	0.24	0.09	0.020	691	448	216	23	37	6.2	99.99
93C16	4200	46927	10	420600	5853800	420505	5854002	-124.1784731	52.8281086	56.90	14.47	9.12	2.53	4.92	3.07	1.49	1.95	0.27	0.12	0.022	641	453	222	22	39	4.9	99.96
93C16	4201	46928	10	420900	5854600	420805	5854802	-124.1742153	52.8353429	57.29	14.86	8.38	2.12	4.62	3.02	1.71	1.63	0.28	0.12	0.018	715	457	201	21	36	5.7	99.96
93C16	4202	46929	10	421100	5856100	421005	5856302	-124.1716099	52.8488540	56.69	14.87	8.51	2.41	4.72	3.01	1.68	1.66	0.28	0.11	0.018	682	459	203	22	37	5.8	99.96
93C16	4203	46930	10	422250	5856600	422155	5856802	-124.1546563	52.8535151																		
93C16	4204	46932	10	427700	5860250	427605	5860452	-124.0745455	52.8870809																		
93C16	4205	46933	10	426750	5859800	426655	5860002	-124.0885606	52.8829077	60.05	16.25	5.57	1.54	4.69	3.76	1.77	2.01	0.14	0.06	0.023	840	523	180	13	34	3.9	100.00
93C16	4206	46934	10	425550	5859400	425455	5859602	-124.1062986	52.8791478																		
93C16	4207	46935	10	424450	5859100	424355	5859302	-124.1225711	52.8762981	57.33	16.53	7.75	1.46	4.14	3.71	2.05	2.04	0.13	0.09	0.021	803	531	193	17	39	4.5	99.98
93C16	4208	46936	10	413600	5867300	413505	5867502	-124.2859272	52.9483610	54.62	15.35	9.51	2.04	4.08	2.92	1.61	2.05	0.26	0.11	0.020	601	428	234	24	43	7.2	99.96
93C16	4211	46937	10	415450	5861950	415355	5862152	-124.2570066	52.9005732	55.78	15.00	9.26	2.15	4.46	2.98	1.61	1.84	0.28	0.11	0.020	595	447	233	26	41	6.3	99.98
93C16	4212	46938	10	424850	5846350	424755	5846552	-124.1136952	52.7617571																		
93C16	4215	46939	10	421700	5846900	421605	5847102	-124.1604983	52.7662531	62.96	15.60	5.52	1.15	2.57	2.70	2.12	0.92	0.10	0.07	0.009	792	306	256	21	33	6.3	100.23
93C16	4217	46940	10	420100	5846350	420005	5846552	-124.1840726	52.7610755																		
93C16	4219	46942	10	418300	5845400	418205	5845602	-124.2105044	52.7522678																		
93C16	4224	46943	10	429850	5857750	429755	5857952	-124.0420586	52.8648953	54.13	17.16	7.29	1.49	2.86	2.70	1.78	1.78	0.25	0.08	0.020	757	336	182	12	37	10.2	99.94
93C16	4226	46944	10	425050	5855200	424955	5855402	-124.1127607	52.8413290	53.98	17.13	7.51	1.67	3.32	2.63	1.62	1.54	0.36	0.08	0.019	813	374	173	14	33	9.9	99.97
93C16	4227	46945	10	421850	5850950	421755	5851152	-124.1592427	52.8026759																		
93C16	4228	46946	10	420200	5850150	420105	5850352	-124.1835172	52.7952441																		
93C16	4229	46947	10	418300	5849250	418205	5849452	-124.2114646	52.7868708	60.31	15.93	6.93	1.21	2.89	3.27	1.98	1.69	0.16	0.07	0.019	817	406	206	17	36	5.3	99.98
93C16	4230	46948	10	416450	5848350	416355	5848552	-124.2386602	52.7784987	62.43	13.94	5.84	1.49	2.61	3.11	1.61	1.55	0.15	0.10	0.016	791	378	217	15	33	6.9	99.96
93C16	4232	46949	10	420150	5870050	420055	5870252	-124.1891427	52.9740914																		
93C16	4233	46950	10	418350	5868350	418255	5868552	-124.2155134	52.9585416																		
93C16	4238	46952	10	405800	5853800	405705	5854002	-124.3980724	52.8257251	62.58	15.89	5.12	1.13	2.69	3.06	1.97	1.22	0.07	0.06	0.011	758	349	208	15	28	6.0	100.01
93C16	4239	46953	10	404200	5851500	404105	5851702	-124.4211365	52.8047731	59.46	15.92	6.54	1.03	1.90	2.63	1.64	1.40	0.16	0.08	0.013	736	263	220	15	34	9.0	99.97
93C16	4241	46954	10	405650	5846350	405555	5846552	-124.3981492	52.7587452	61.03	15.15	7.33	1.10	2.96	3.10	1.88	1.67	0.14	0.08	0.015	754	393	270	21	37	5.3	99.97
93C16	4242	46955	10	427100	5847950	427005	5848152	-124.0807137	52.7764465																		
93C16	4243	46956	10	431400	5849800	431305	5850002	-124.0173670	52.7936383	54.83	16.79	7.97	1.66	3.51	2.79	1.62	1.71	0.18	0.07	0.024	783	401	194	15	33	8.6	99.97
93C16	4246	46957	10	422650	5860800	422555	5861002	-124.1497151	52.8913216	54.95	15.00	9.32	2.88	5.36	3.10	1.72	1.83	0.33	0.12	0.019	677	513	203	22	40	5.1	99.94
93C16	4247	46958	10	422550	5859750	422455	5859952	-124.1509511	52.8818700	54.51	14.86	10.43	3.69	6.14	3.25	1.57	2.29	0.34	0.14	0.022	614	541	206	21	43	2.5	99.95
93C16	4249	46959	10	423200	5858850	423105	5859052	-124.1410815	52.8738741	56.76	14.71	8.66	2.54	5.14	3.12	1.83	1.78	0.28	0.11	0.016	675	502	233	23	41	4.8	99.96
93C16	4250	46960	10	423000	5857450	422905	5857652	-124.1437214	52.8612626																		

GEOFILE 2006-1 – APPENDIX 3

Element distribution maps for:

- (a) Clusko river and Toil mountain map areas in the North and;
- (b) Chilanko forks and Chezacut map areas in the South

Note: Statistics calculated for ICP-ES and INAA results for each of the two areas may differ slightly from those calculated for the whole area, and element distribution and summary statistics for major element oxides are not presented.

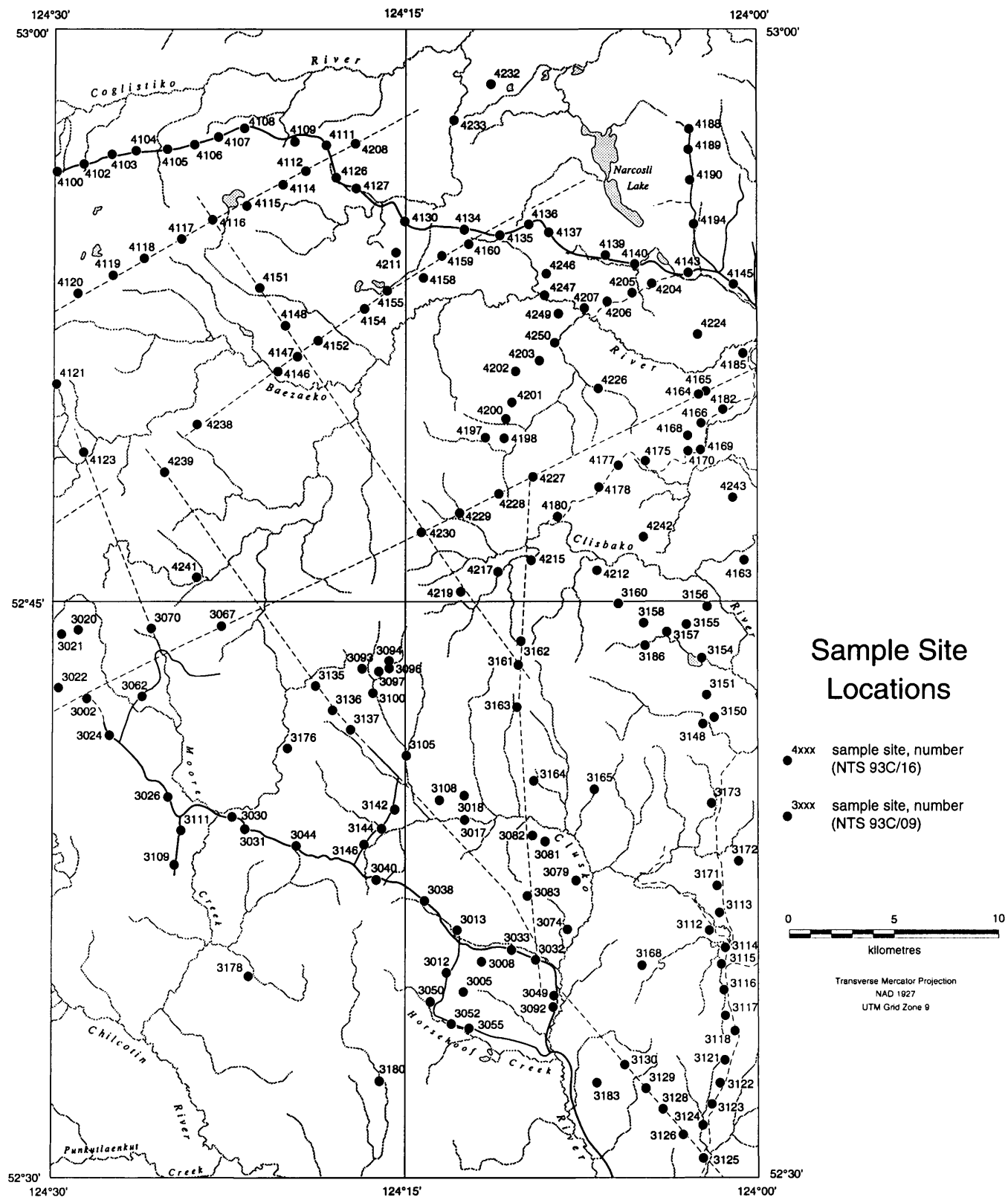
GEOFILE 2006_1 – APPENDIX 3

Element distribution maps and statistics. Note that statistics for the two areas may differ slightly from those calculated for the whole area

GEOFILE 2006_1 – CLUSKO RIVER – TOIL MOUNTAIN MAPS

Sample Locations.

Till Geochemistry of the Clusko River - Toil Mtn. Area, B.C. NTS 93C/09 and 93C/16



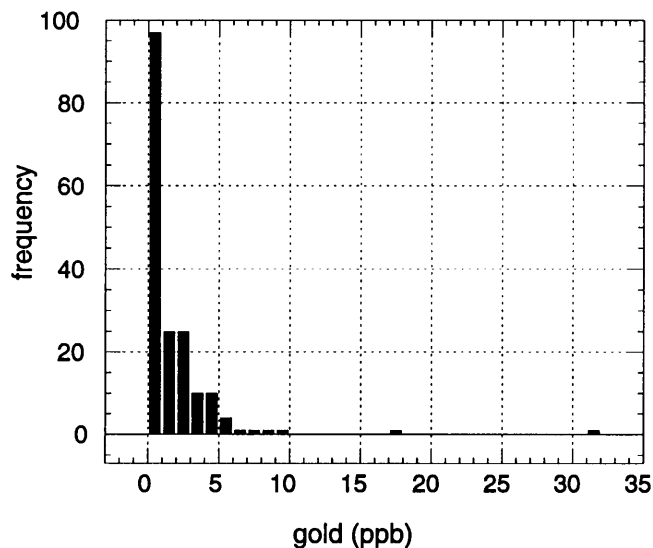
GEOFILE 2006_1 – CLUSKO RIVER – TOIL MOUNTAIN MAPS

INAA Results.

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Gold

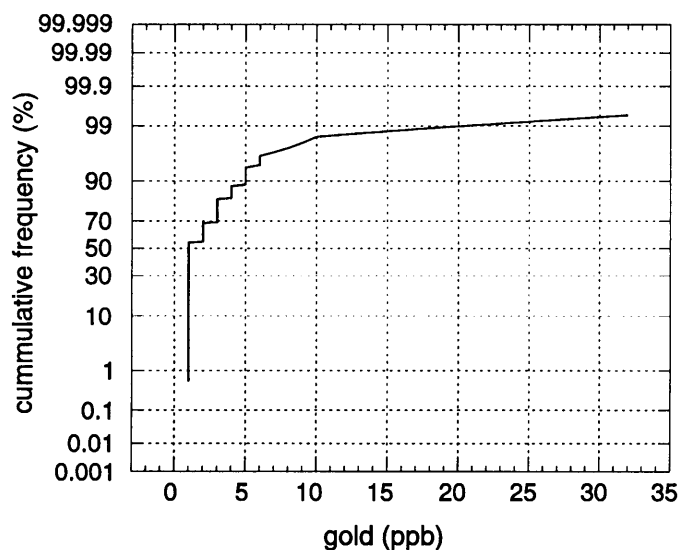
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 2 ppb

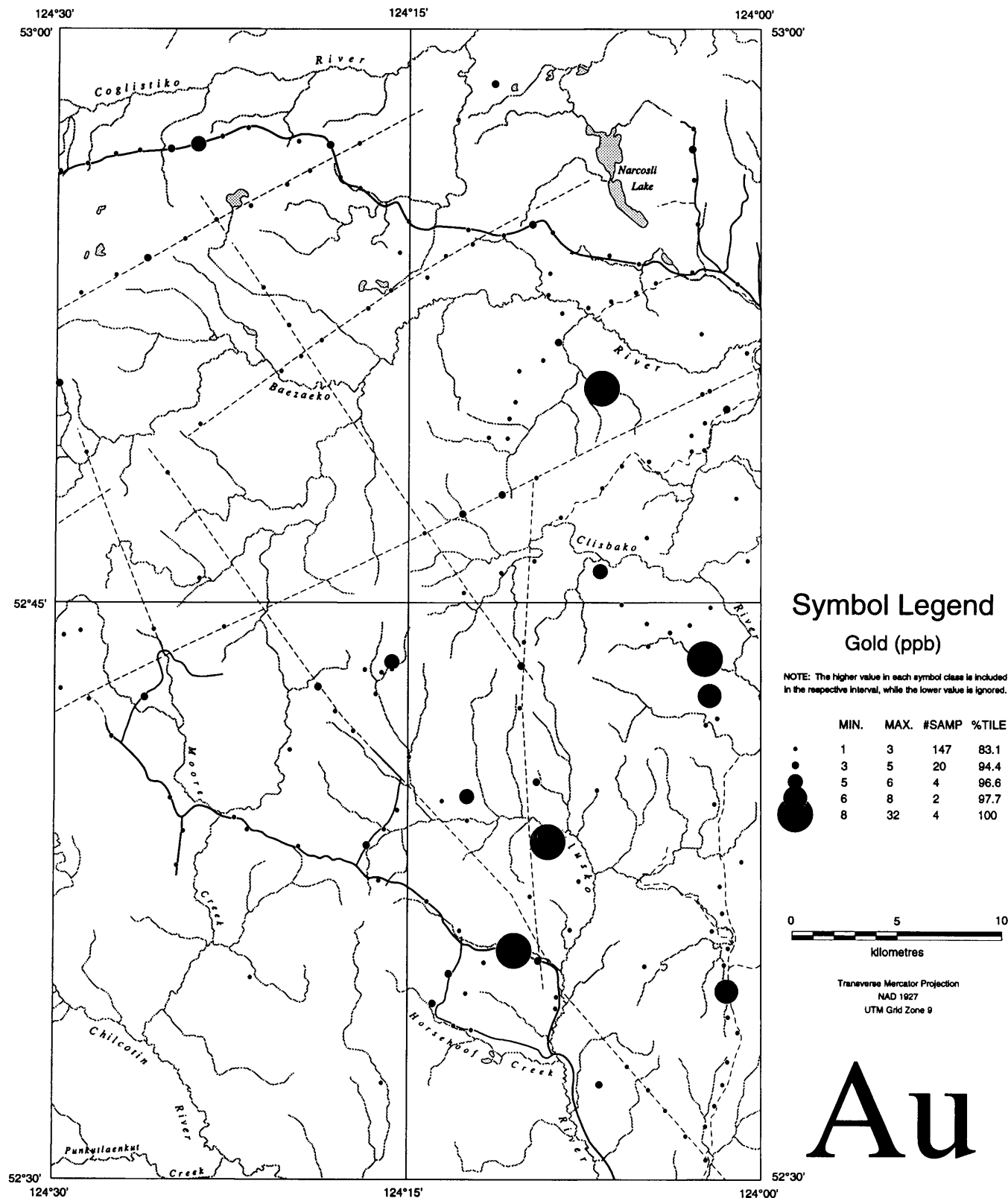
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: <2
Maximum: 32
Mean: 2.3
Mode: 1
Median: <2
Lower quartile: <2
Upper quartile: 3
Standard deviation: 3.0
Coefficient of variation: 0.7

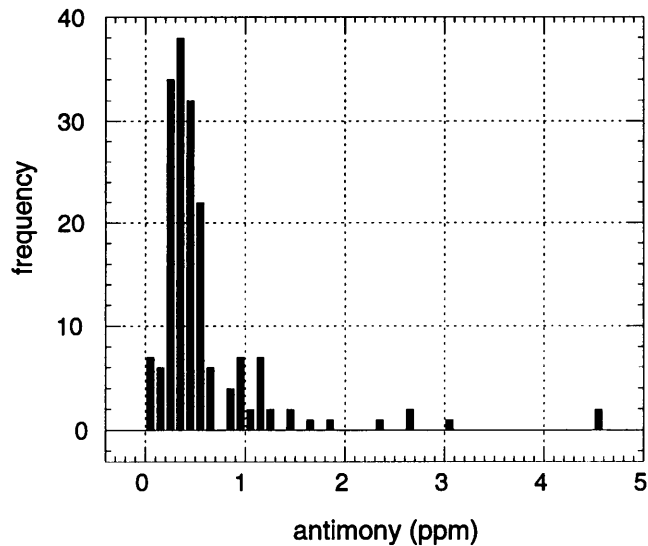
Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Till Geochemistry of the Clusko River - Toit Mtn. Map Areas, B.C.

Antimony

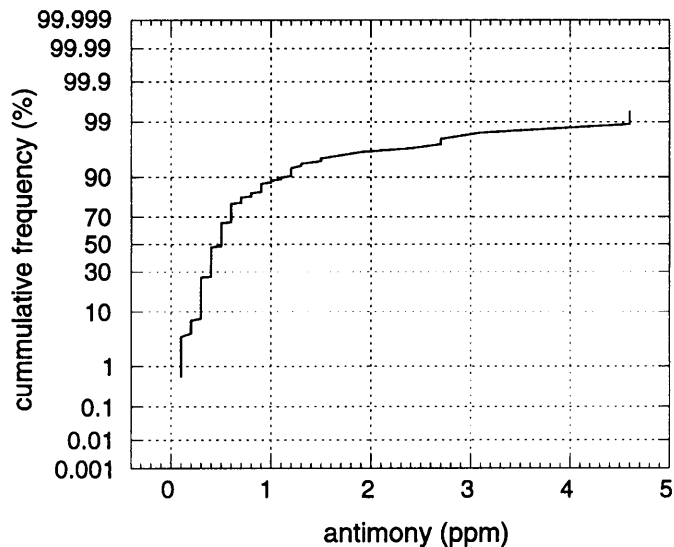
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 0.1 ppm

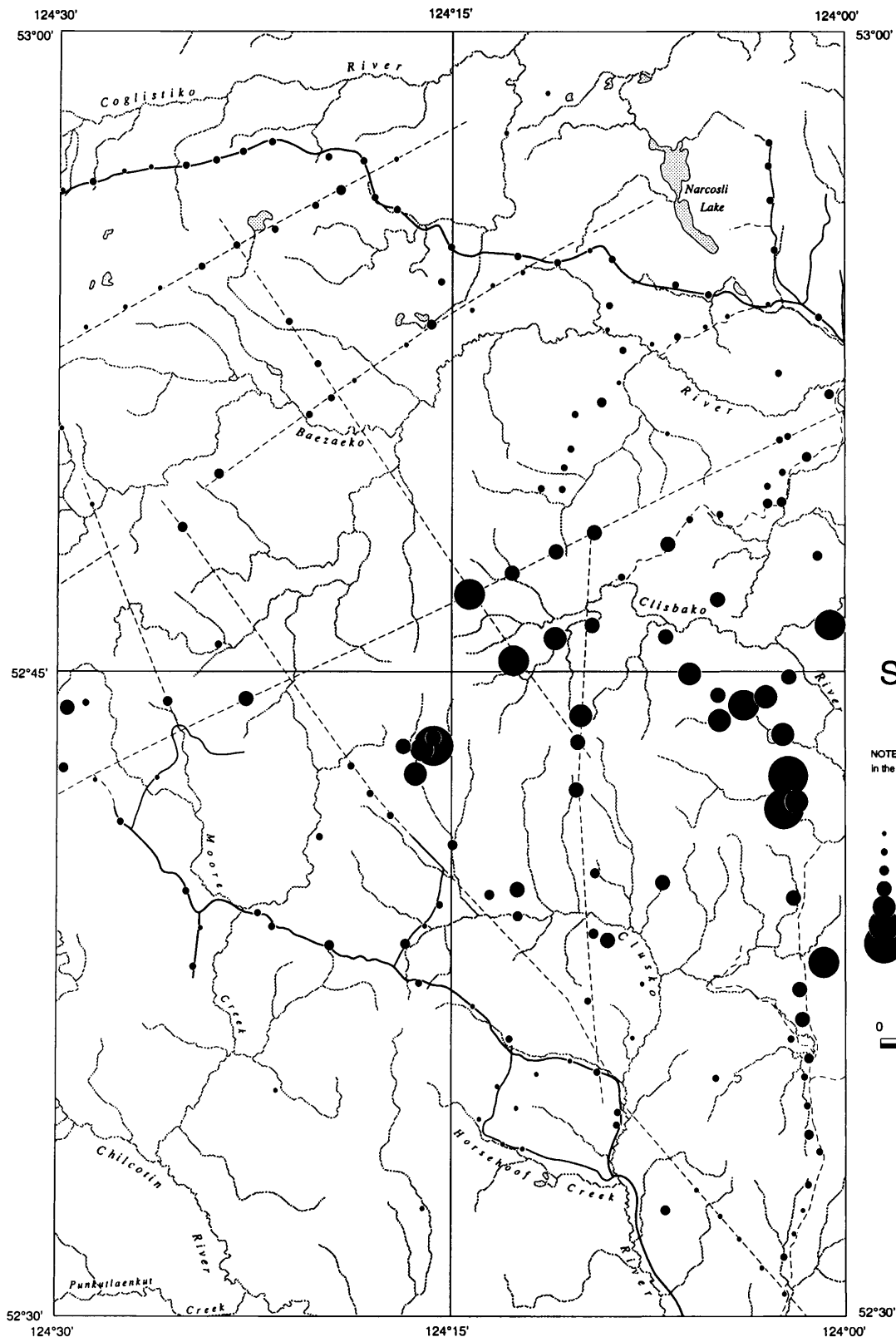
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 0.1
Maximum: 4.6
Mean: 0.6
Mode: 0.4
Median: 0.5
Lower quartile: 0.3
Upper quartile: 0.6
Standard deviation: 0.6
Coefficient of variation: 1.0

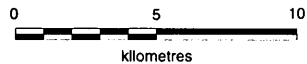
Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Antimony (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	.1	.3	47	26.6
•	.3	.5	70	66.1
•	.5	.6	22	78.5
•	.6	1.1	21	90.4
•	1.1	1.5	9	95.5
•	1.5	2.7	5	98.3
•	2.7	4.6	3	100



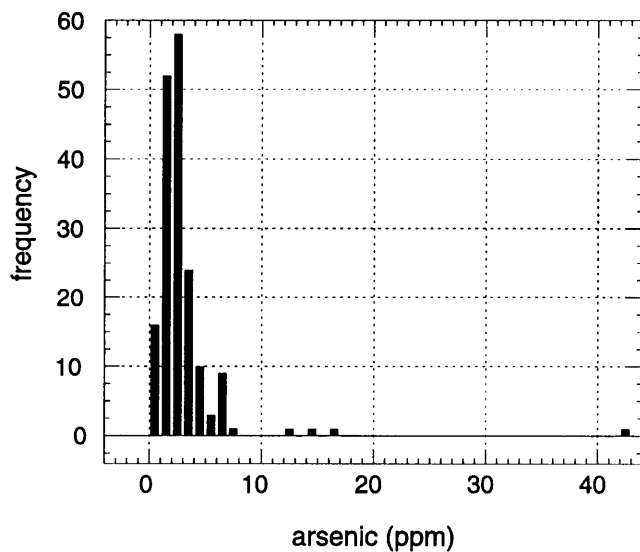
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Sb

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Arsenic

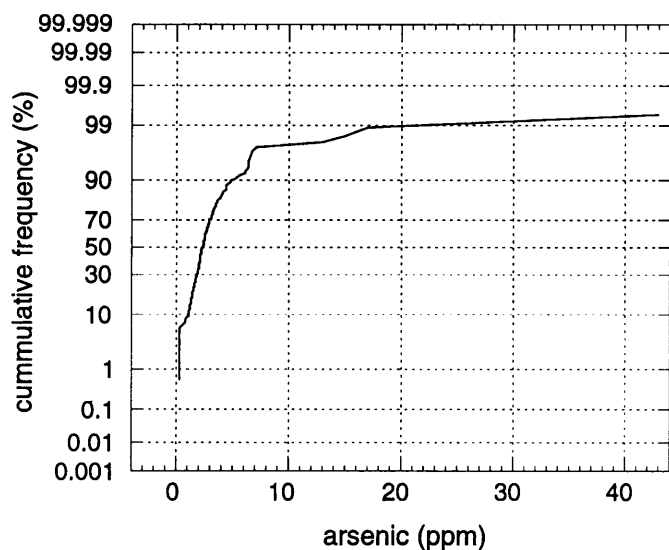
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 0.5 ppm

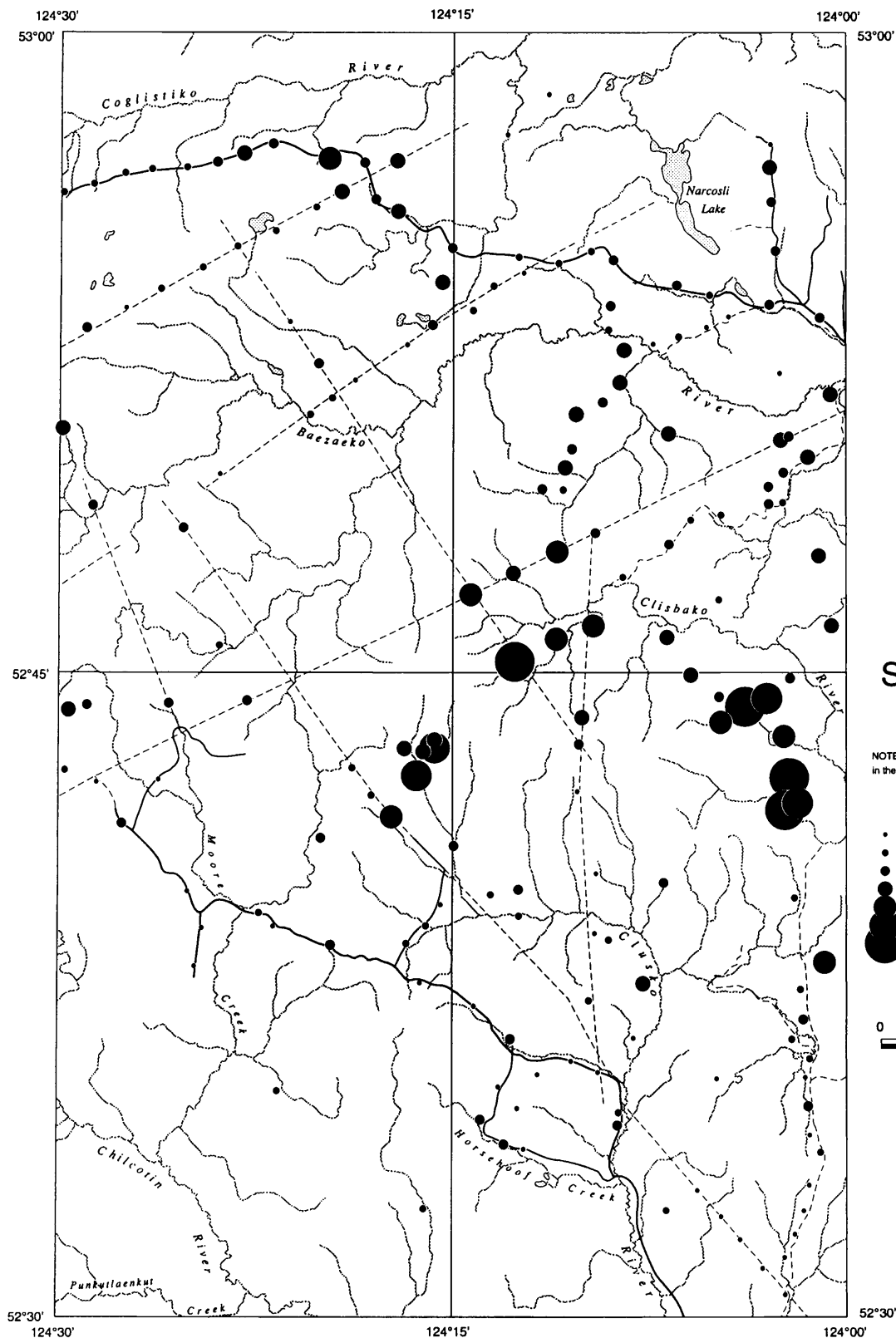
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: <0.5
Maximum: 43
Mean: 2.9
Mode: 2.1
Median: 2.3
Lower quartile: 1.7
Upper quartile: 3.2
Standard deviation: 3.7
Coefficient of variation: 0.7

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Arsenic (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	.25	1.6	44	24.9
•	1.6	2.3	46	50.8
•	2.3	3.2	44	75.7
•	3.2	4.8	26	90.4
•	4.8	6.4	9	95.5
•	6.4	7.1	4	97.7
•	7.1	43	4	100



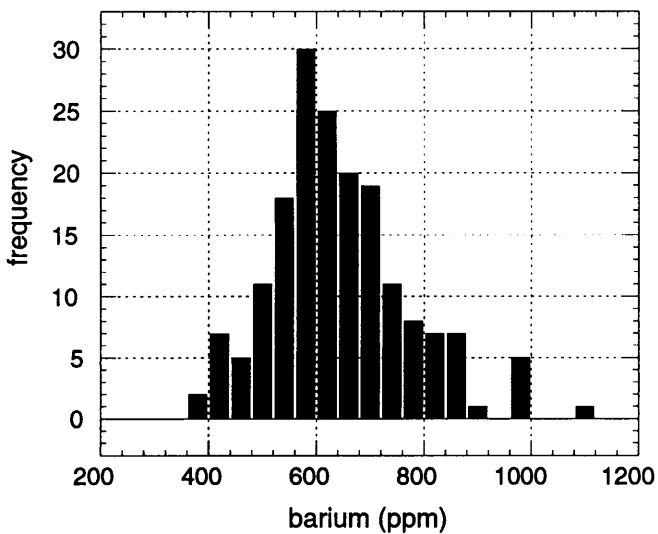
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

As

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Barium

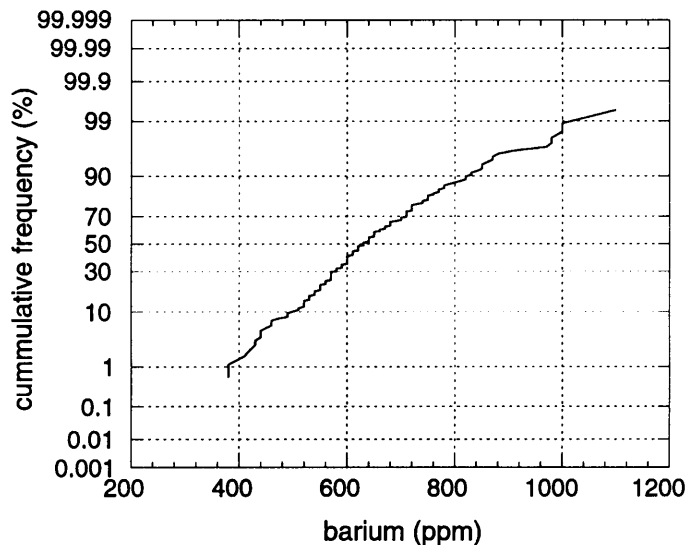
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 50 ppm

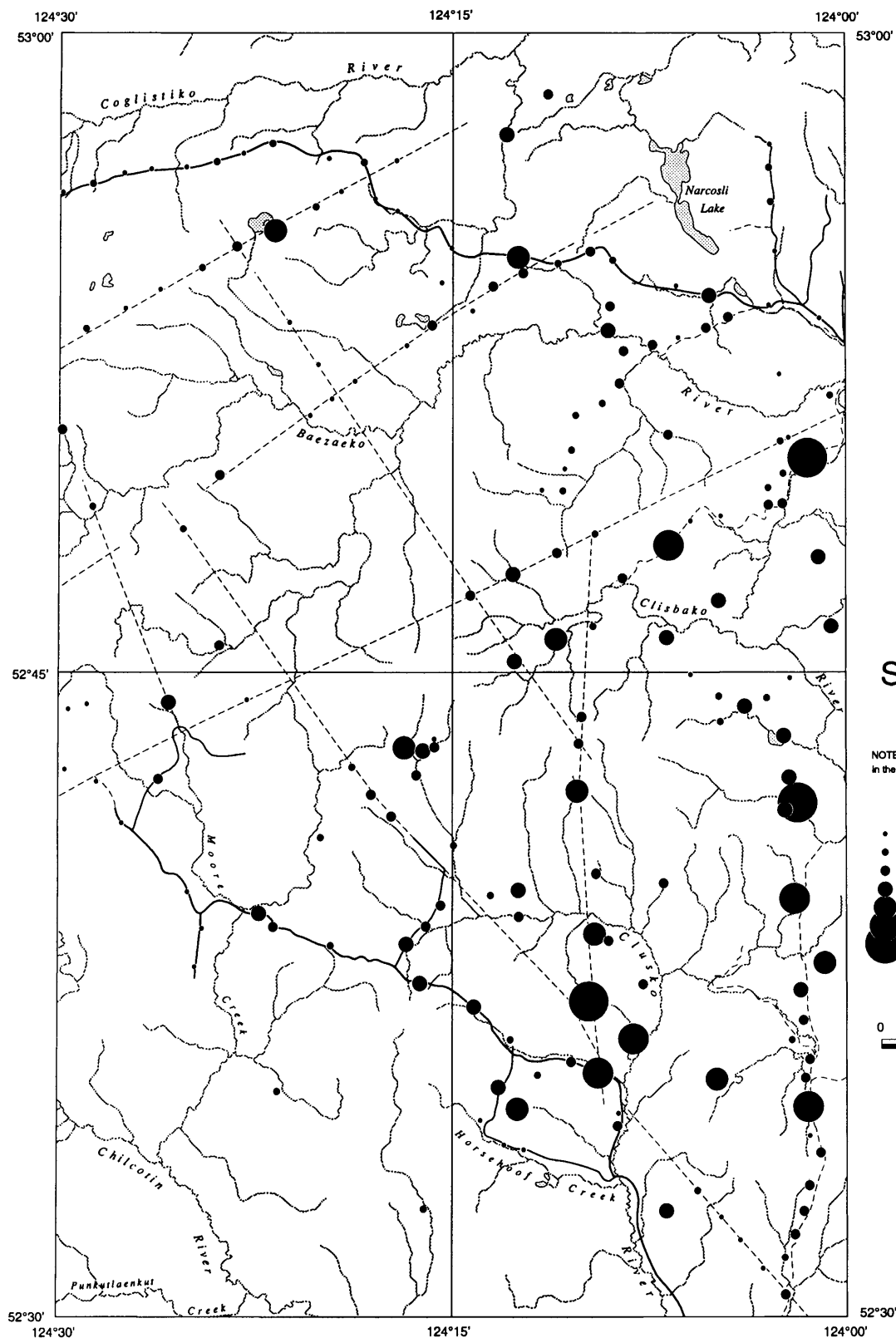
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 380
Maximum: 1100
Mean: 647.8
Mode: 600
Median: 630
Lower quartile: 570
Upper quartile: 720
Standard deviation: 128.7
Coefficient of variation: 5.0

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Barium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	380	570	53	29.9
•	570	630	38	51.4
•	630	720	46	77.4
•	720	820	23	90.4
•	820	870	9	95.5
•	870	980	5	98.3
•	980	1100	3	100



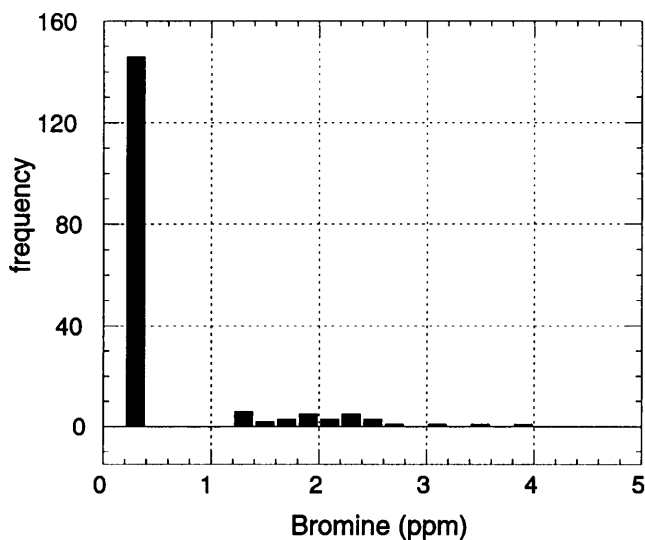
Transverse Mercator Projection
NAD 1927
UTM Grd Zone 9

Ba

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Bromine

Frequency Histogram



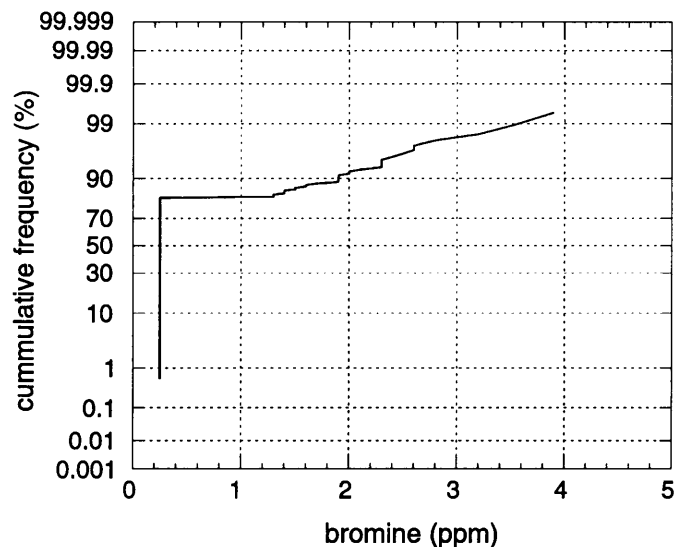
Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 0.5 ppm

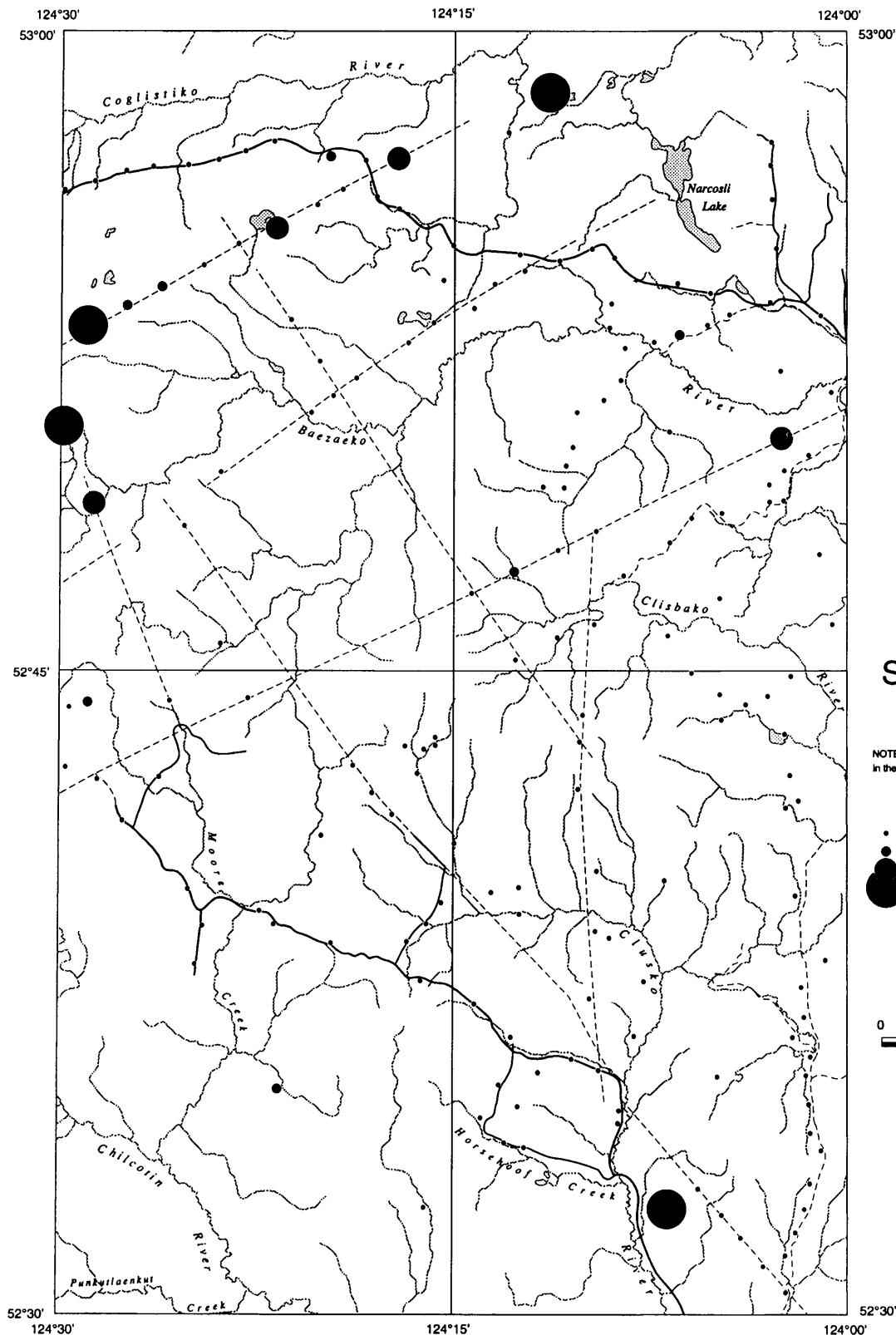
Summary Statistics

Number of samples: 177
Minimum: <0.5
Maximum: 3.9
Mean: 0.6
Mode: 0.25
Median: <0.5
Lower quartile: <0.5
Upper quartile: <0.5
Standard deviation: 0.7
Coefficient of variation: 0.8

Normal Probability Curve



Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Bromine (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

MIN.	MAX.	#SAMP	%TILE
.25	1.9	162	91.5
1.9	2.3	7	95.5
2.3	2.6	4	97.7
2.6	3.9	4	100



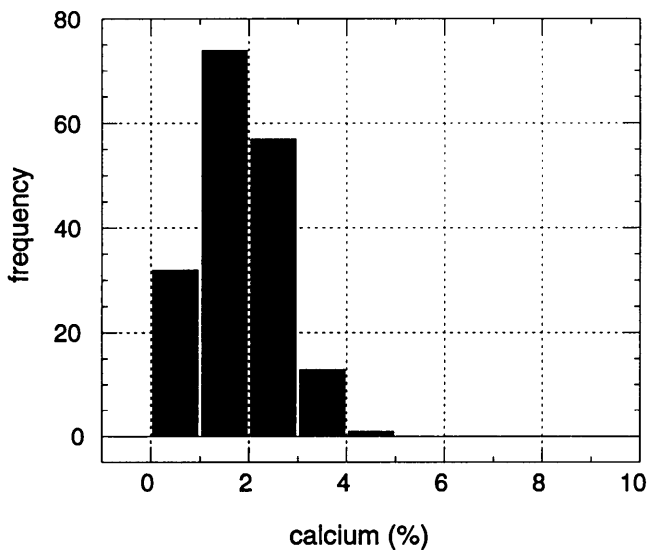
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Br

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Calcium

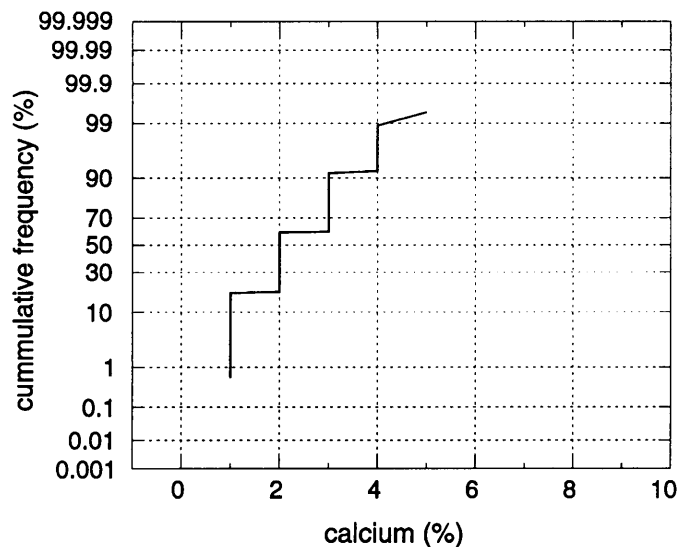
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 1 %

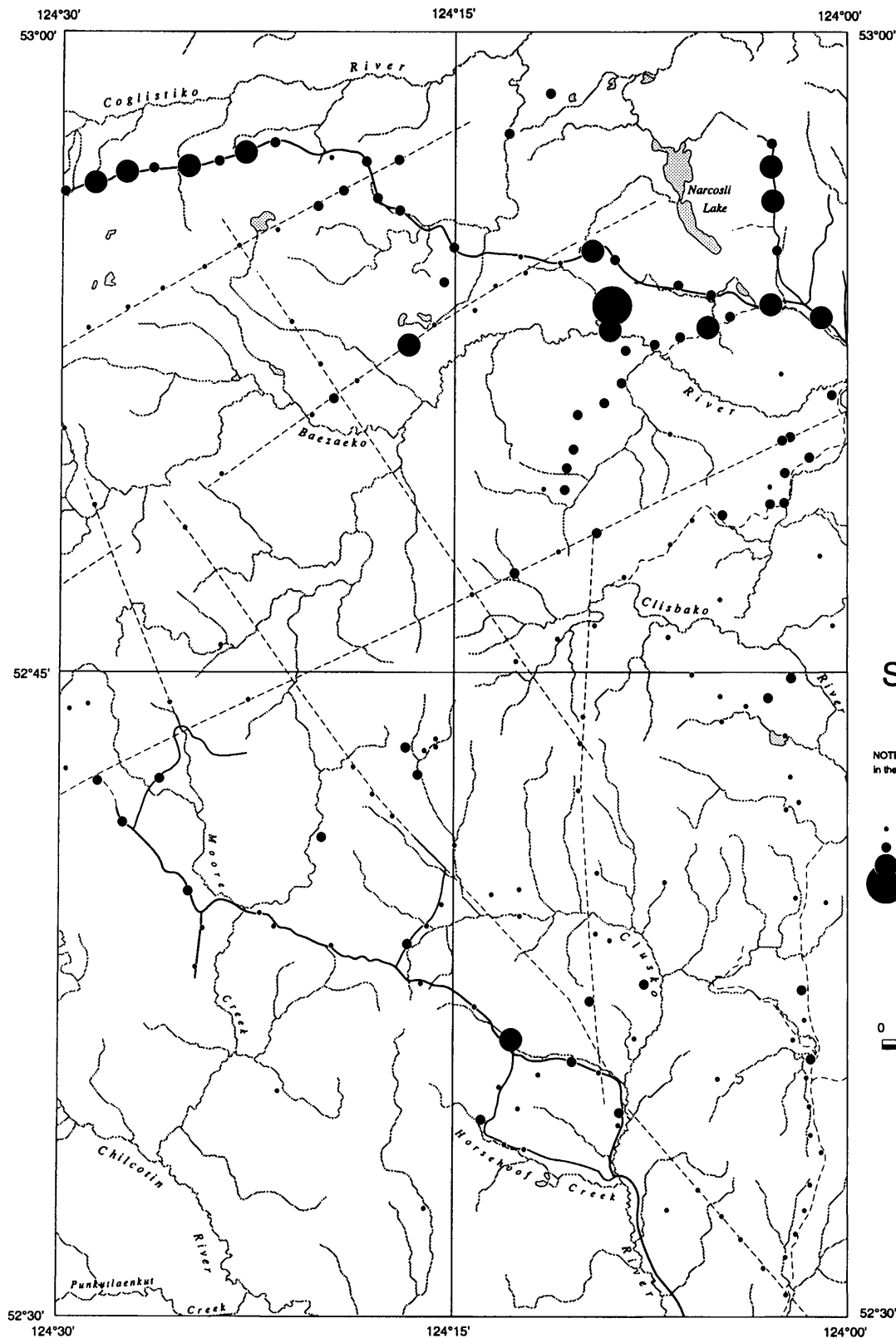
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 1
Maximum: 5
Mean: 2.3
Mode: 2
Median: 2
Lower quartile: 2
Upper quartile: 3
Standard deviation: 0.9
Coefficient of variation: 2.8

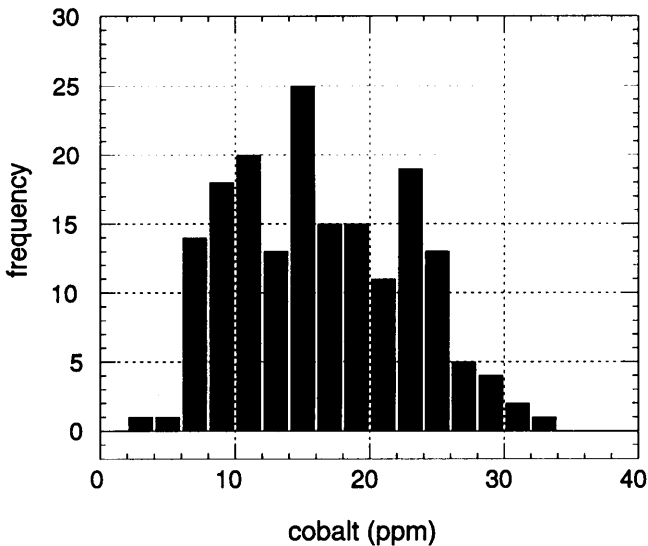
Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Cobalt

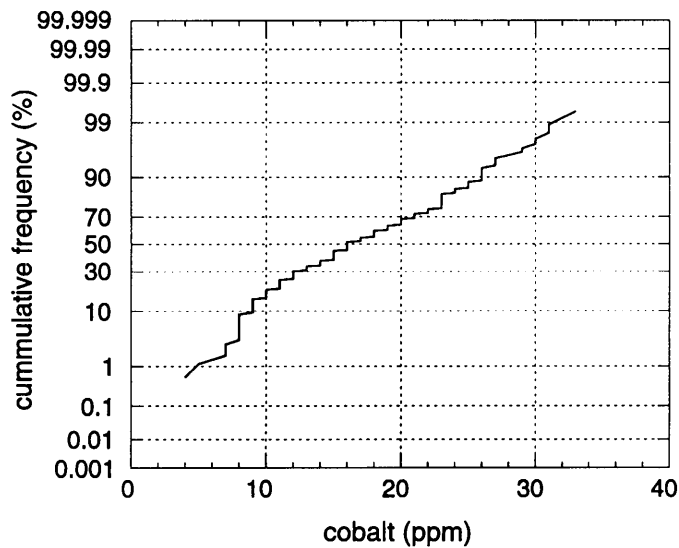
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 1 ppm

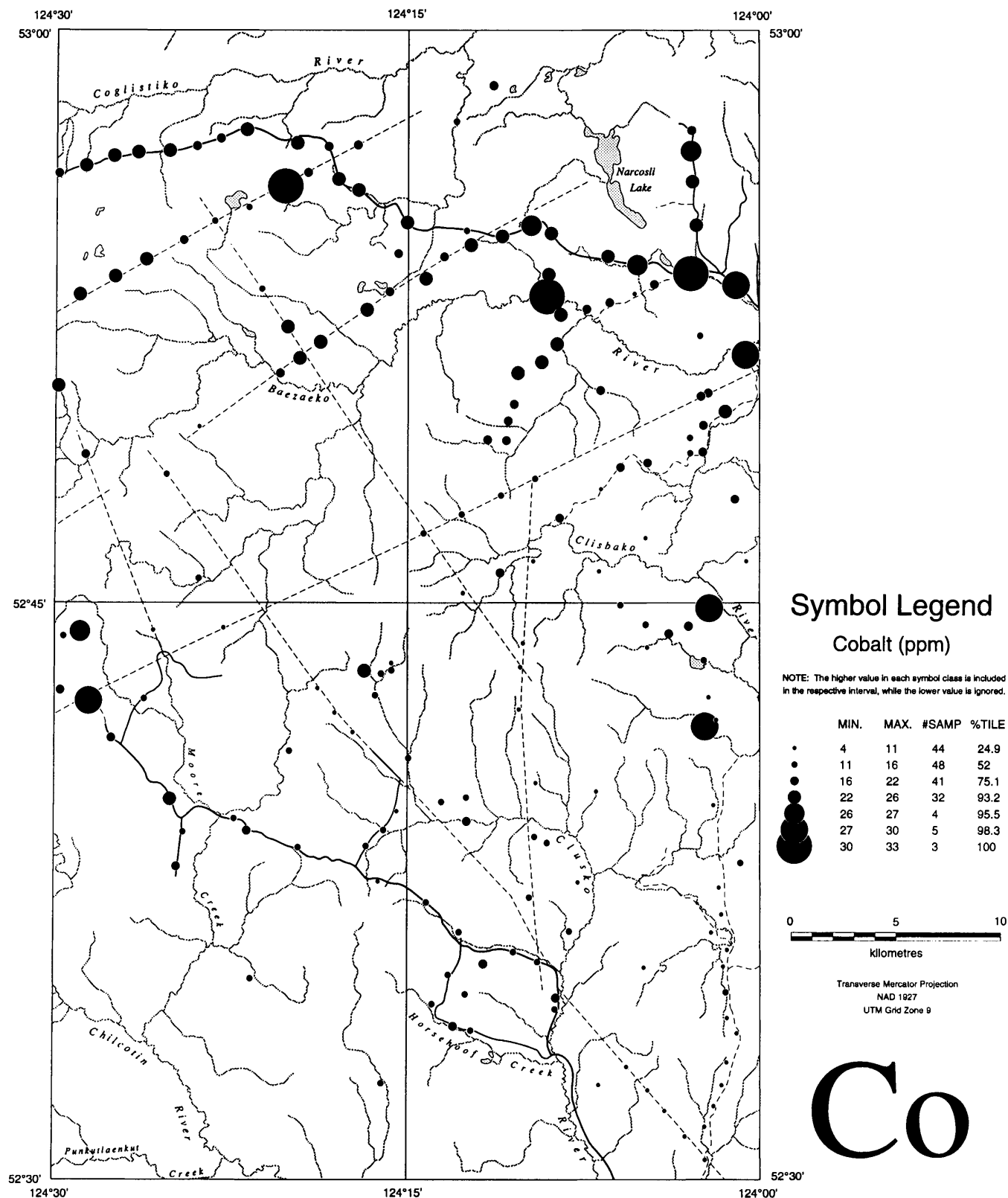
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 4
Maximum: 33
Mean: 16.9
Mode: 23
Median: 16
Lower quartile: 12
Upper quartile: 22
Standard deviation: 6.4
Coefficient of variation: 2.6

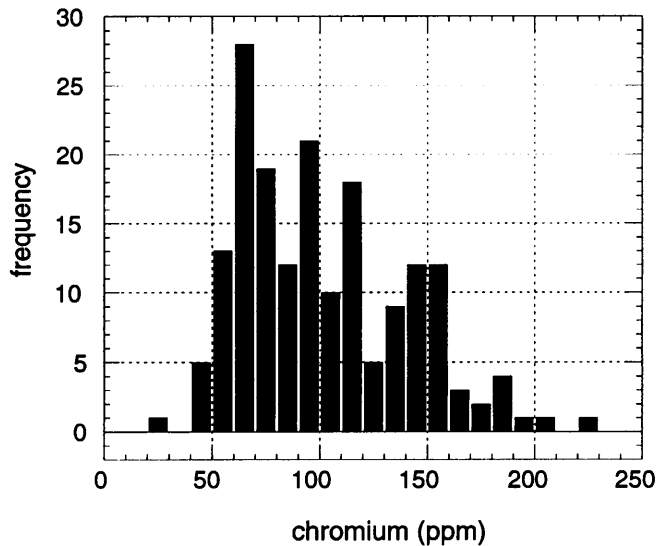
Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Chromium

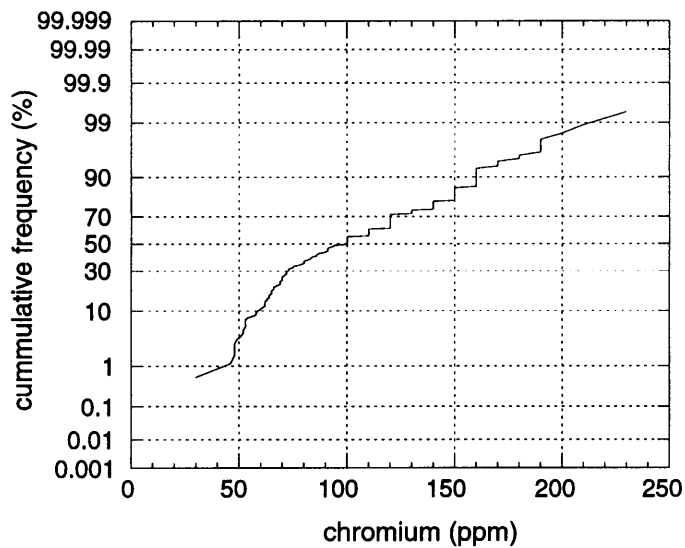
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 5 ppm

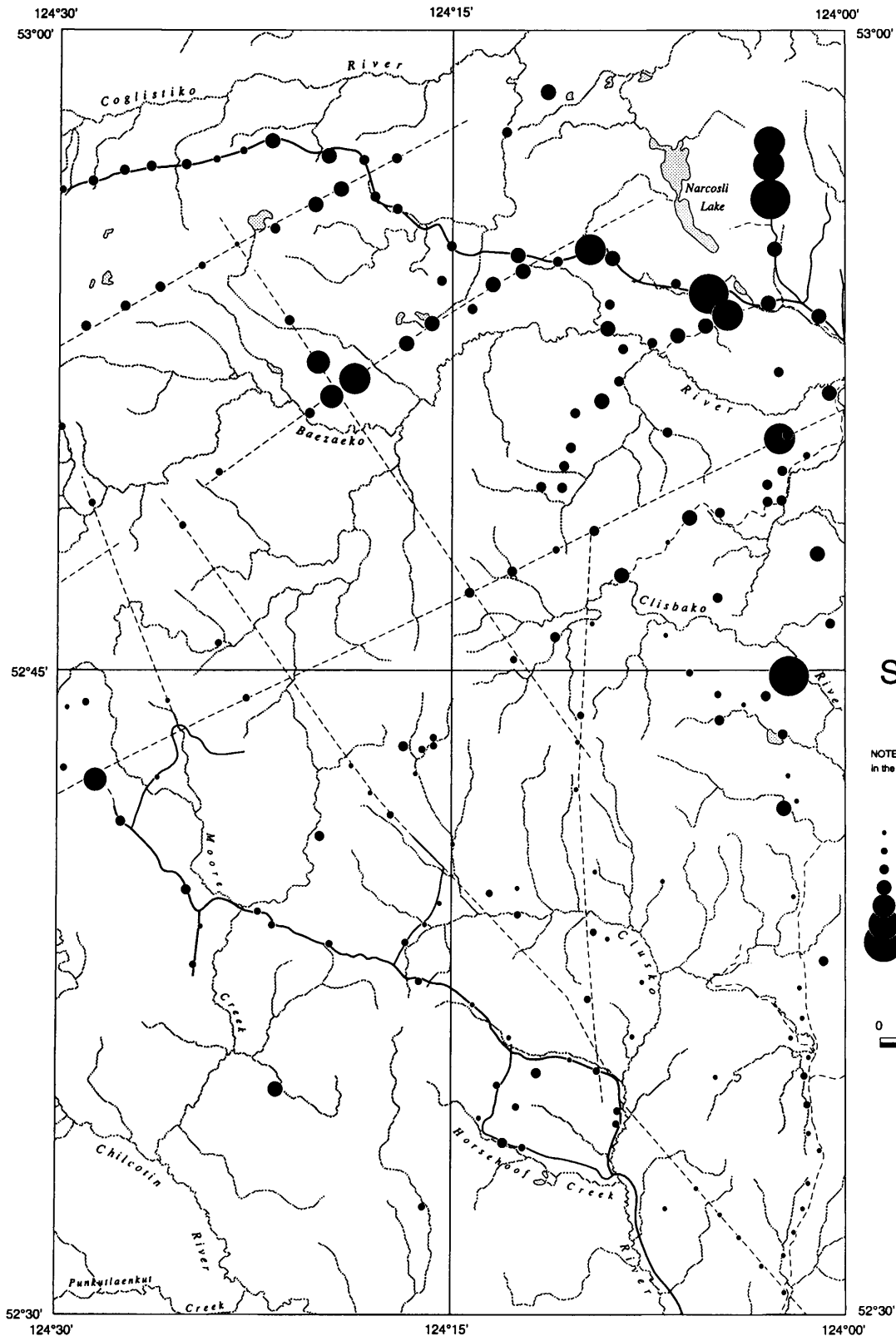
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 30
Maximum: 230
Mean: 104.3
Mode: 120
Median: 100
Lower quartile: 70
Upper quartile: 140
Standard deviation: 40.5
Coefficient of variation: 2.5

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Chromium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	30	70	47	26.6
•	70	99	41	49.7
•	99	140	53	79.7
•	140	160	24	93.2
•	160	170	3	94.9
•	170	190	6	98.3
•	190	230	3	100



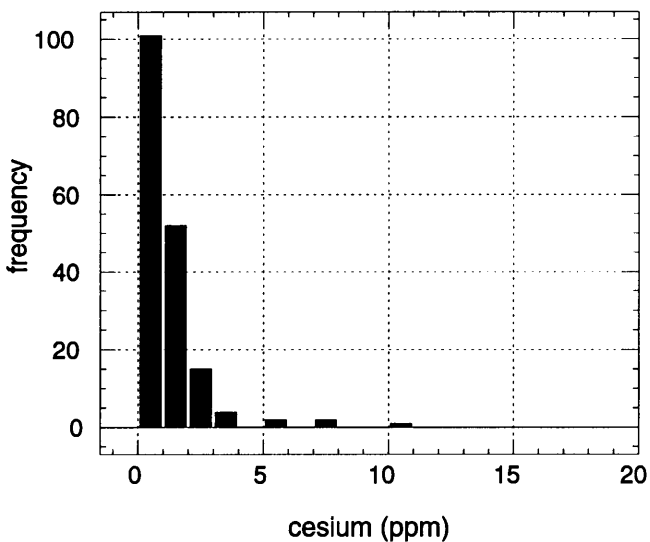
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Cr

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Cesium

Frequency Histogram



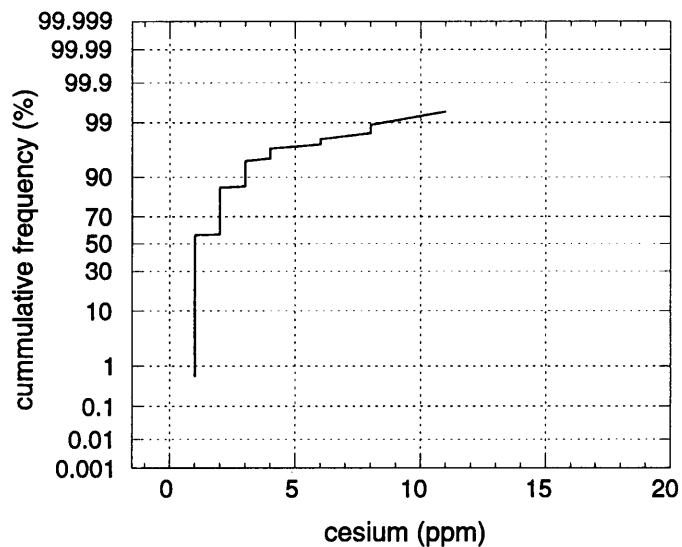
Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 1 ppm

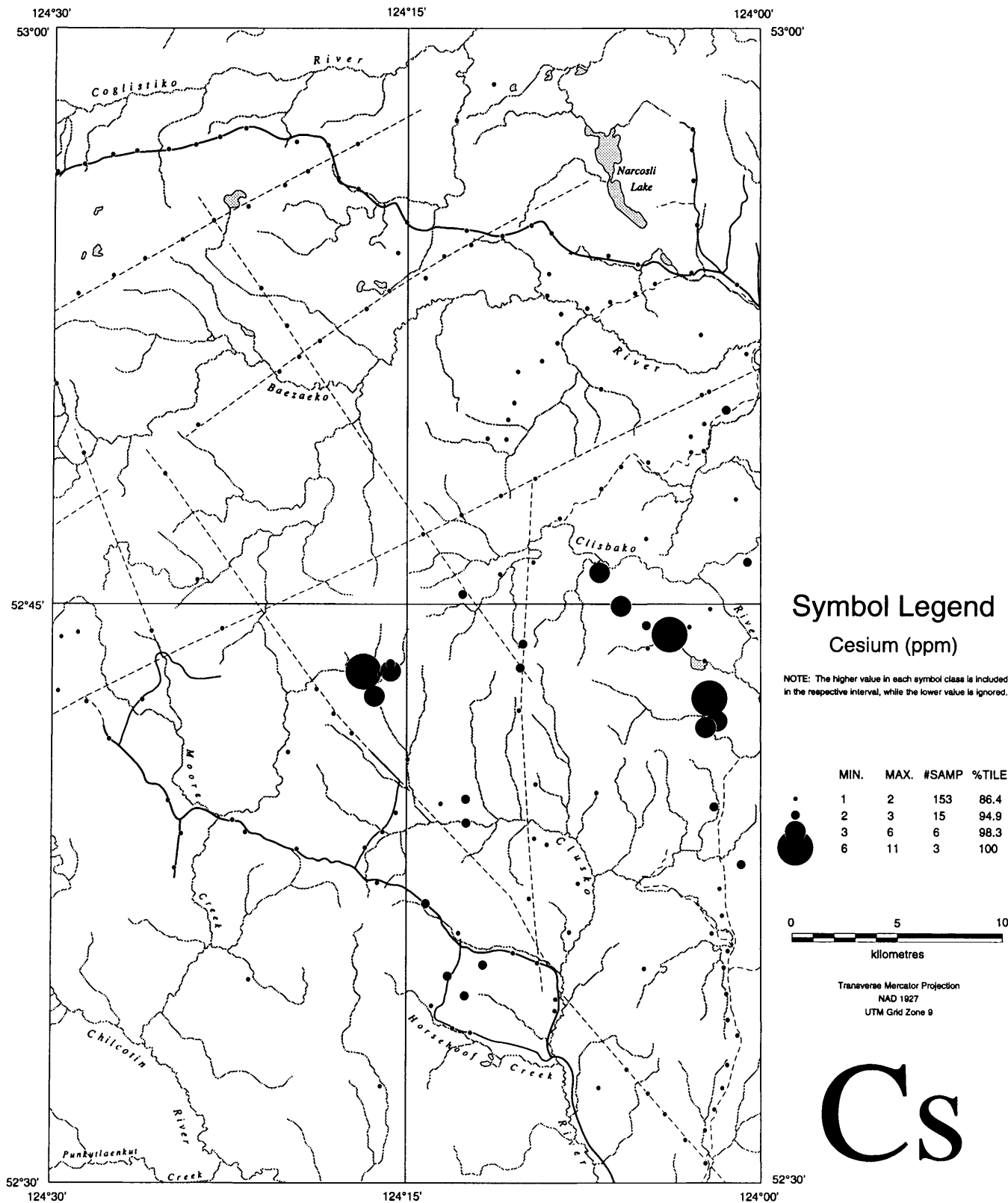
Summary Statistics

Number of samples: 177
Minimum: 1
Maximum: 11
Mean: 1.7
Mode: 1
Median: 1
Lower quartile: 1
Upper quartile: 2
Standard deviation: 1.3
Coefficient of variation: 1.3

Normal Probability Curve



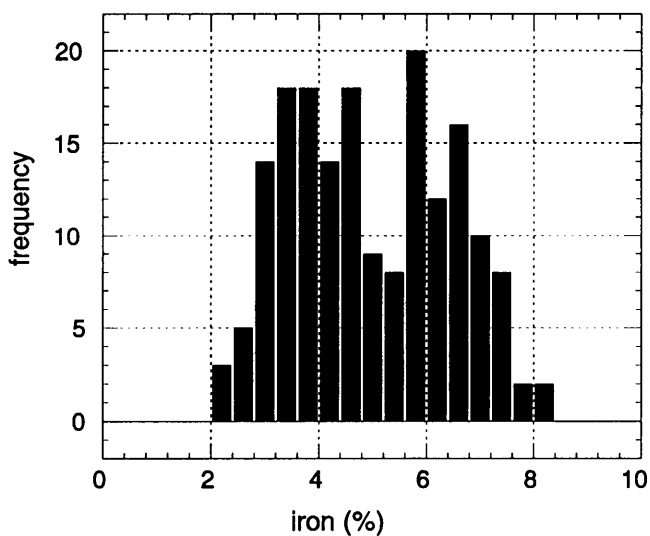
Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Iron

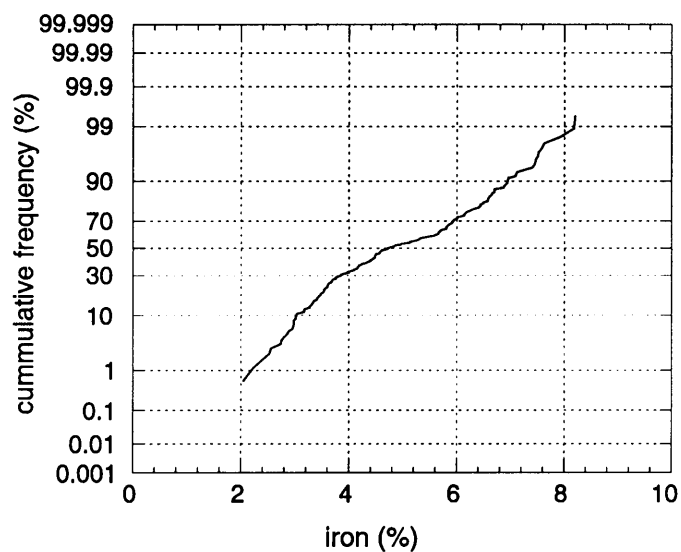
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 0.01 %

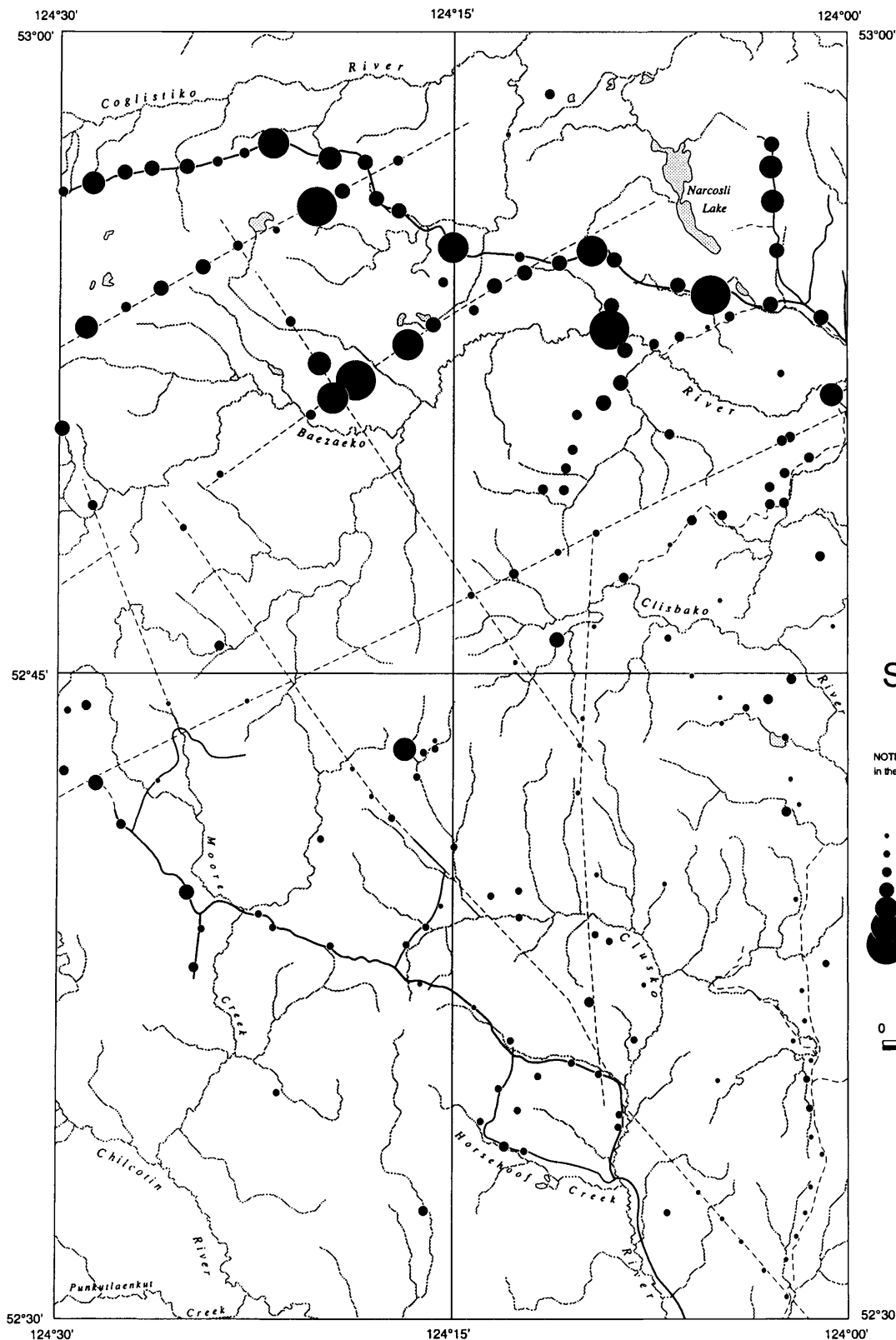
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 2.04
Maximum: 8.2
Mean: 4.95
Mode: 2.98
Median: 4.72
Lower quartile: 3.64
Upper quartile: 6.16
Standard deviation: 1.4
Coefficient of variation: 3.5

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Iron (%)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	2.04	3.62	44	24.9
•	3.62	4.71	44	49.7
•	4.71	6.16	45	75.1
•	6.16	6.94	27	90.4
•	6.94	7.44	8	94.9
•	7.44	7.58	5	97.7
•	7.58	8.2	4	100



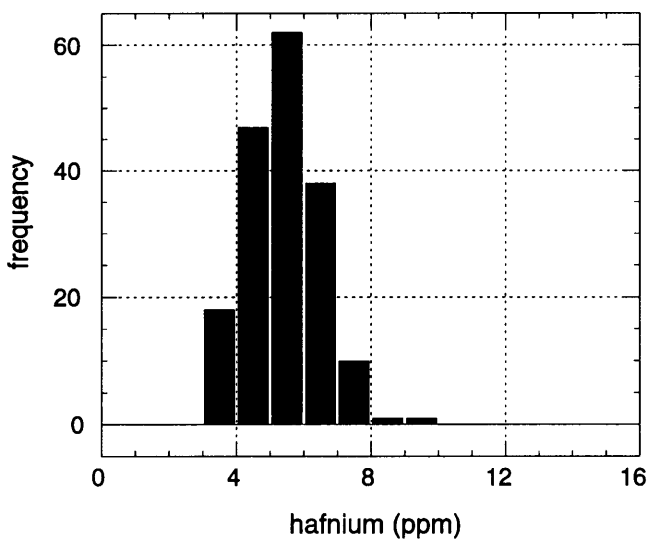
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Fe

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Hafnium

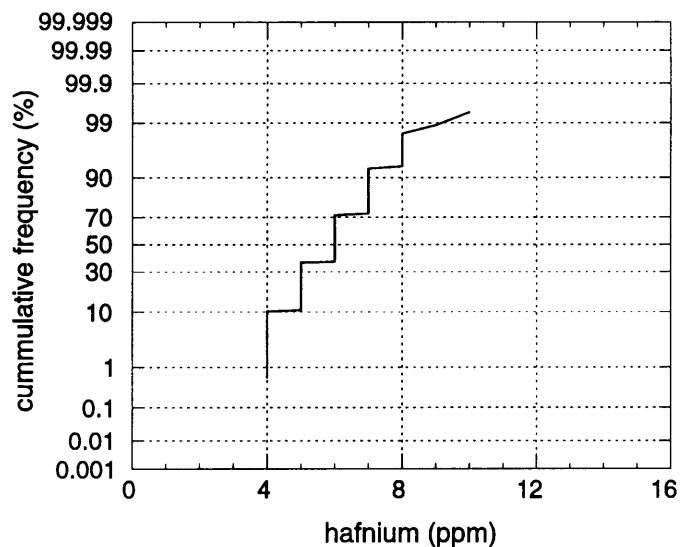
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 1 ppm

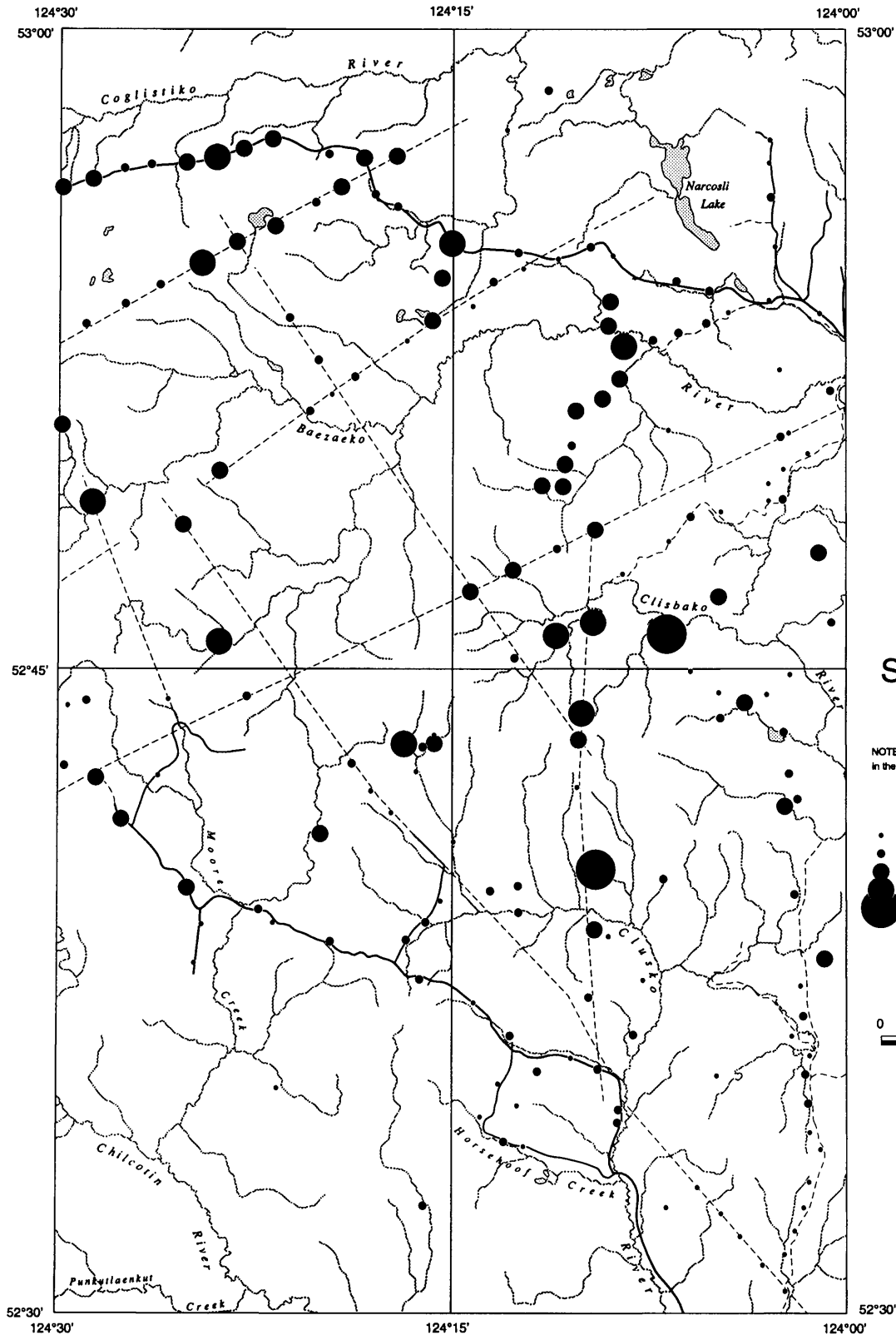
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 4
Maximum: 10
Mean: 5.9
Mode: 6
Median: 6
Lower quartile: 5
Upper quartile: 7
Standard deviation: 1.1
Coefficient of variation: 5.4

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Hafnium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	4	5	65	36.7
•	5	6	62	71.8
•	6	7	38	93.2
•	7	8	10	98.9
•	8	10	2	100



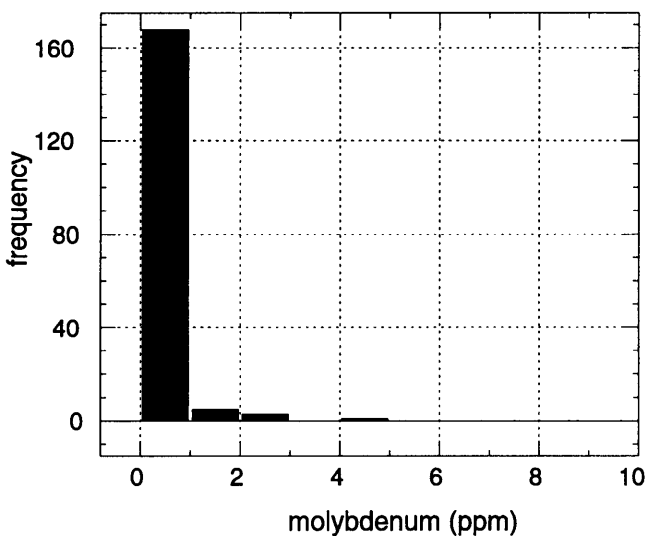
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Hf

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Molybdenum

Frequency Histogram



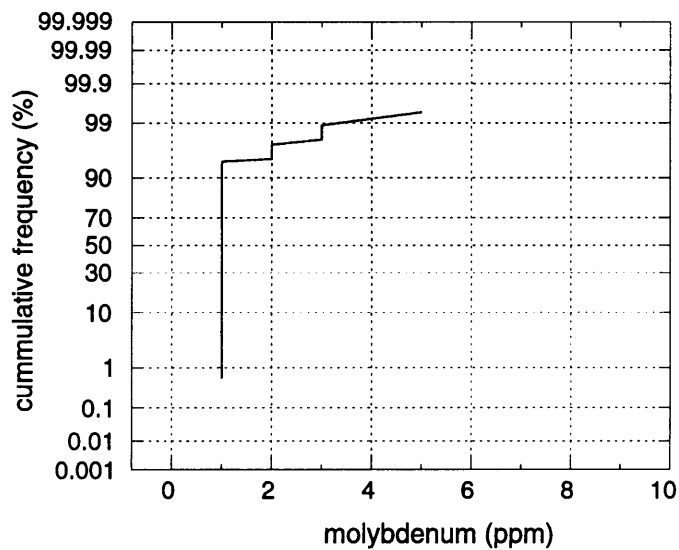
Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 1 ppm

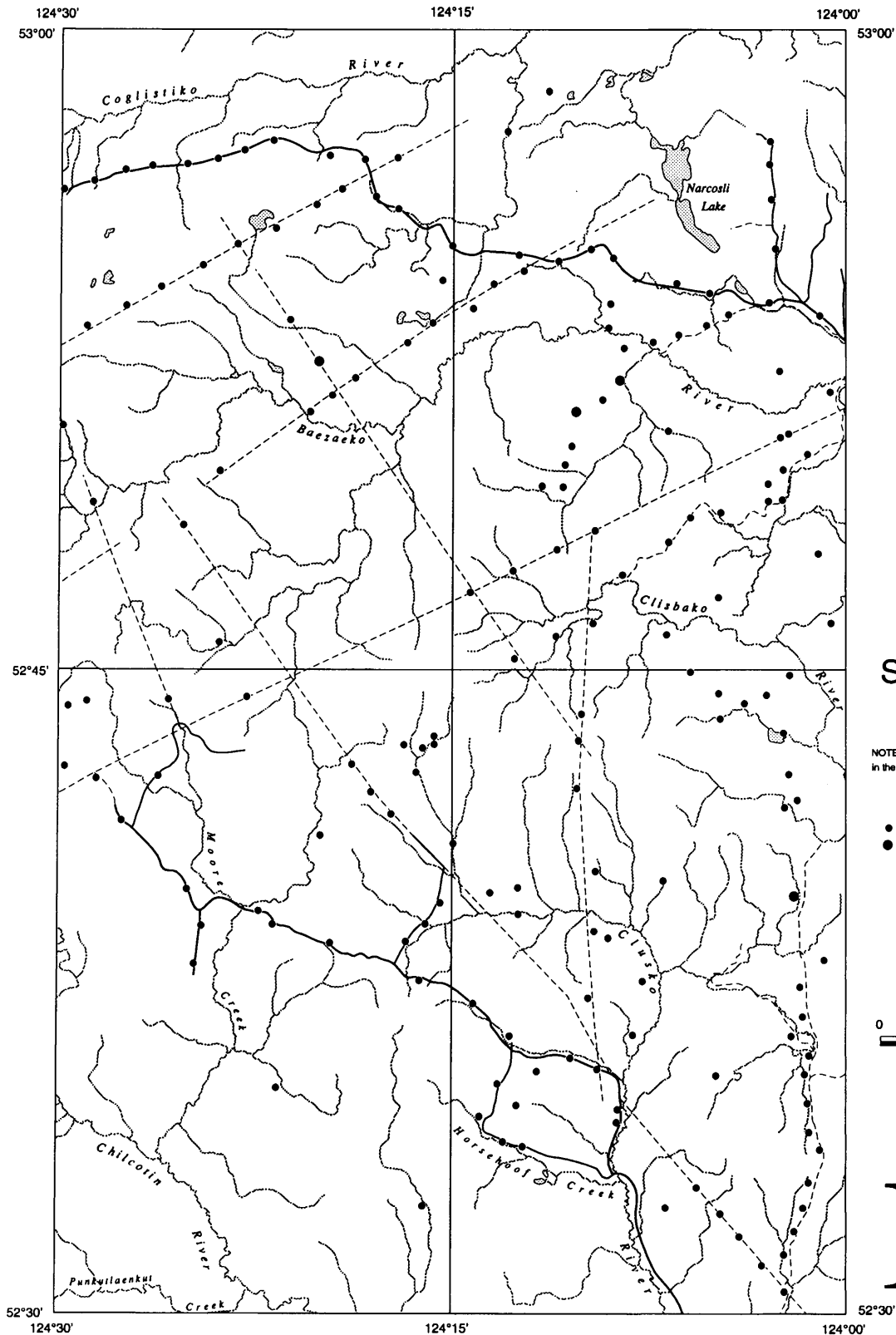
Summary Statistics

Number of samples: 177
Minimum: 1
Maximum: 5
Mean: 1.1
Mode: 1
Median: 1
Lower quartile: 1
Upper quartile: 1
Standard deviation: 0.4
Coefficient of variation: 2.8

Normal Probability Curve



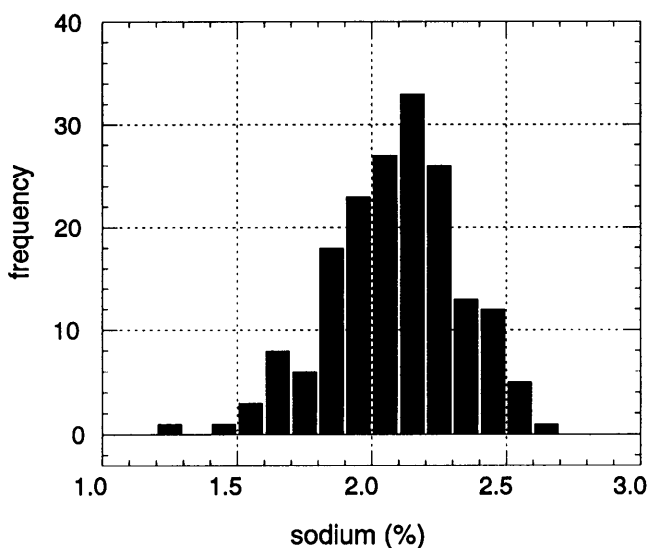
Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Sodium

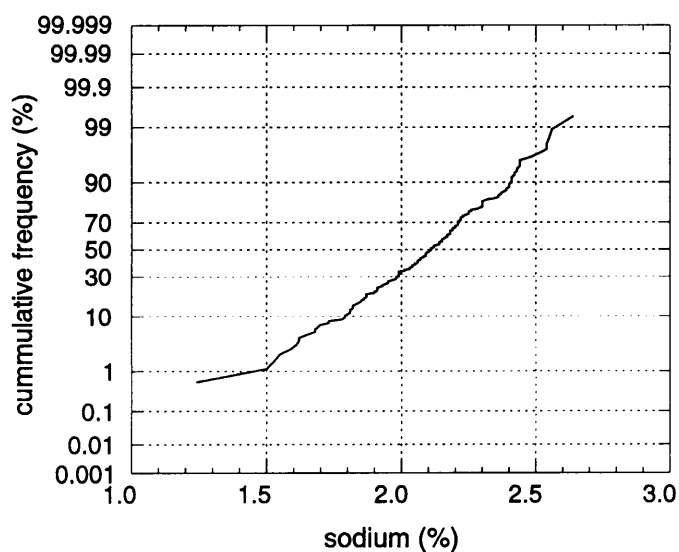
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 0.01 %

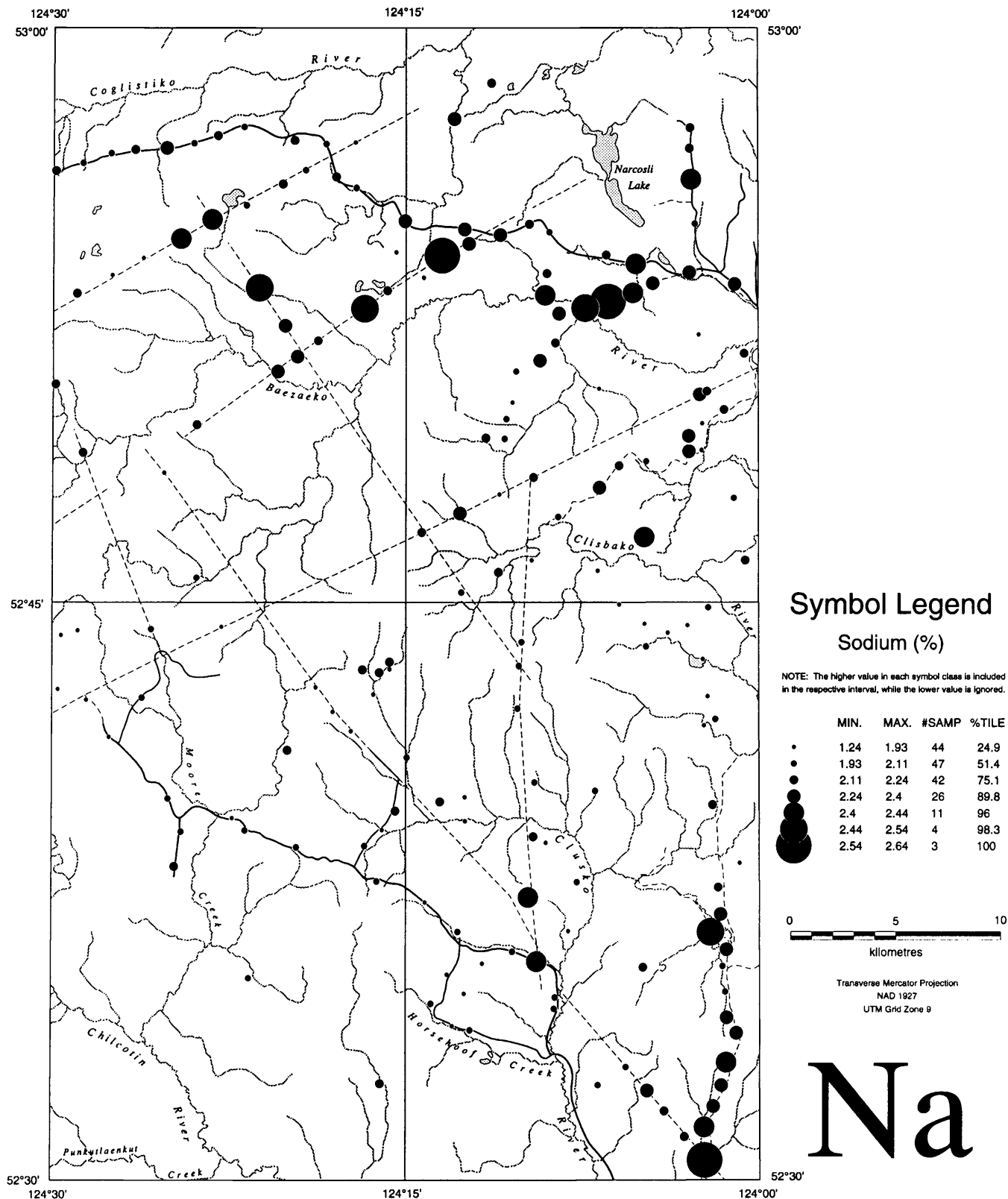
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 1.24
Maximum: 2.64
Mean: 2.09
Mode: 1.99
Median: 2.11
Lower quartile: 1.94
Upper quartile: 2.24
Standard deviation: 0.24
Coefficient of variation: 8.71

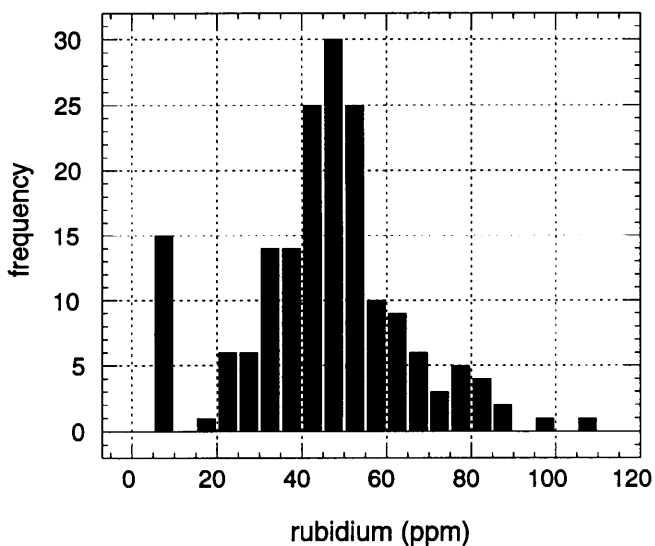
Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Rubidium

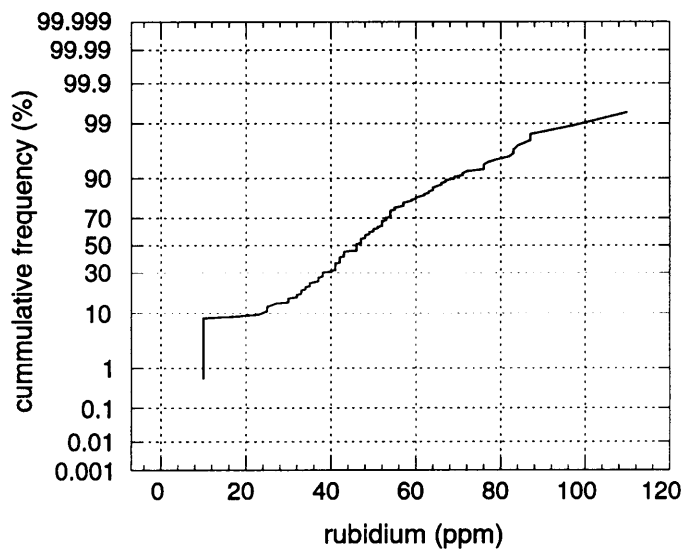
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 15 ppm

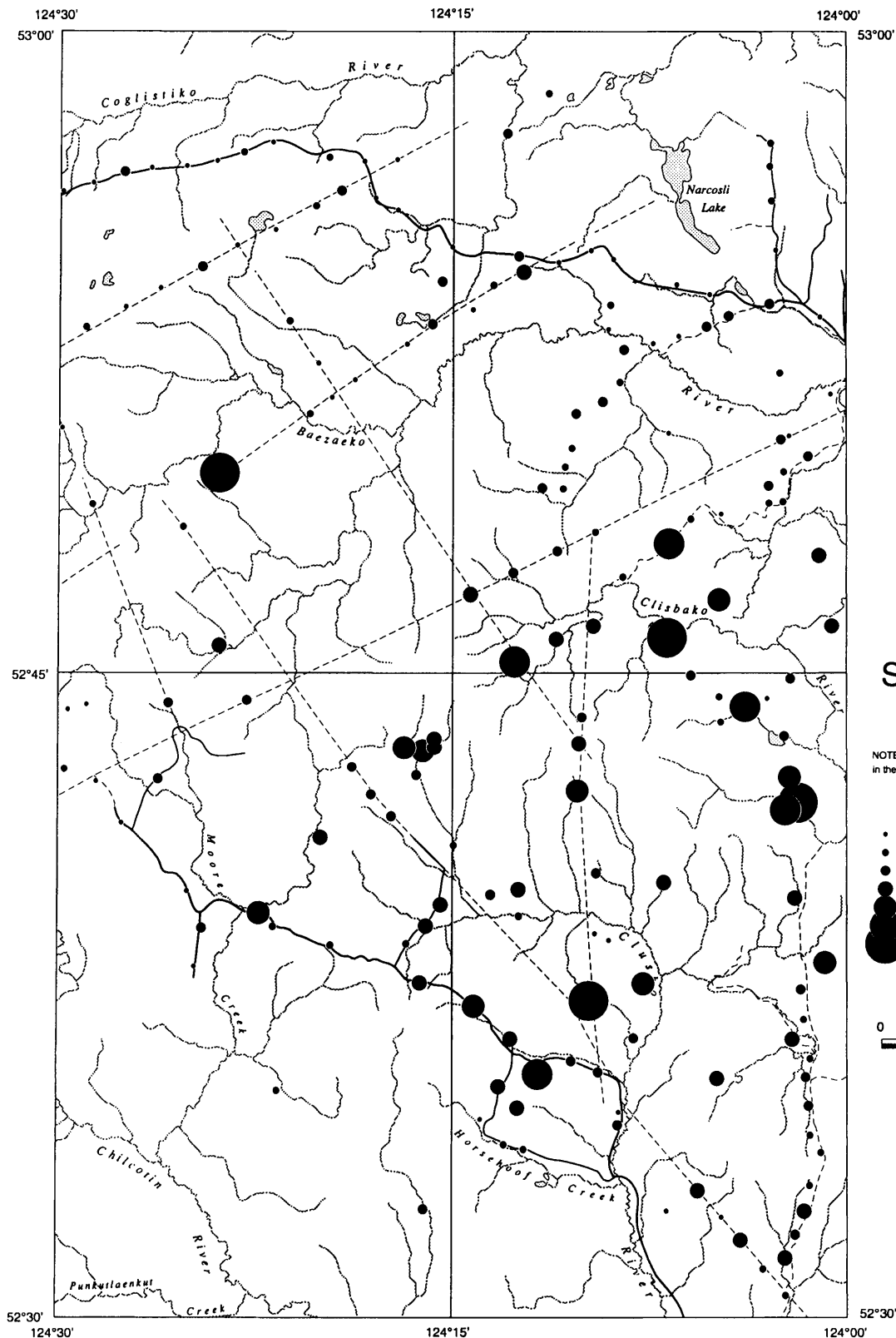
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: <15
Maximum: 110
Mean: 46.0
Mode: 10
Median: 46
Lower quartile: 37
Upper quartile: 54
Standard deviation: 18.2
Coefficient of variation: 2.5

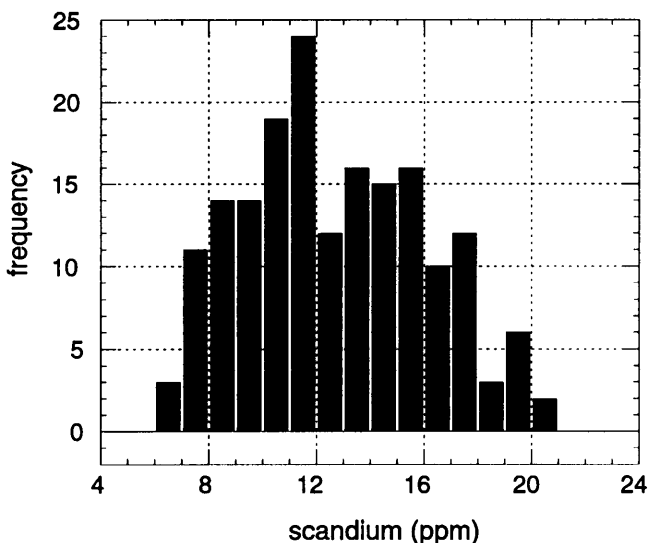
Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Scandium

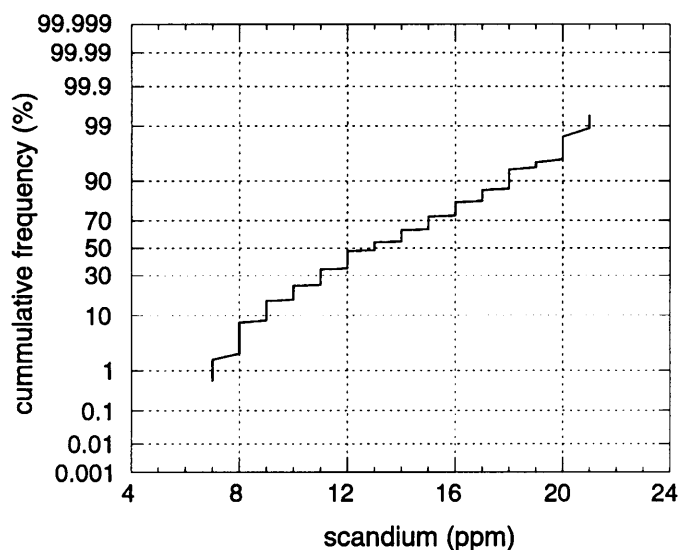
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 0.1 ppm

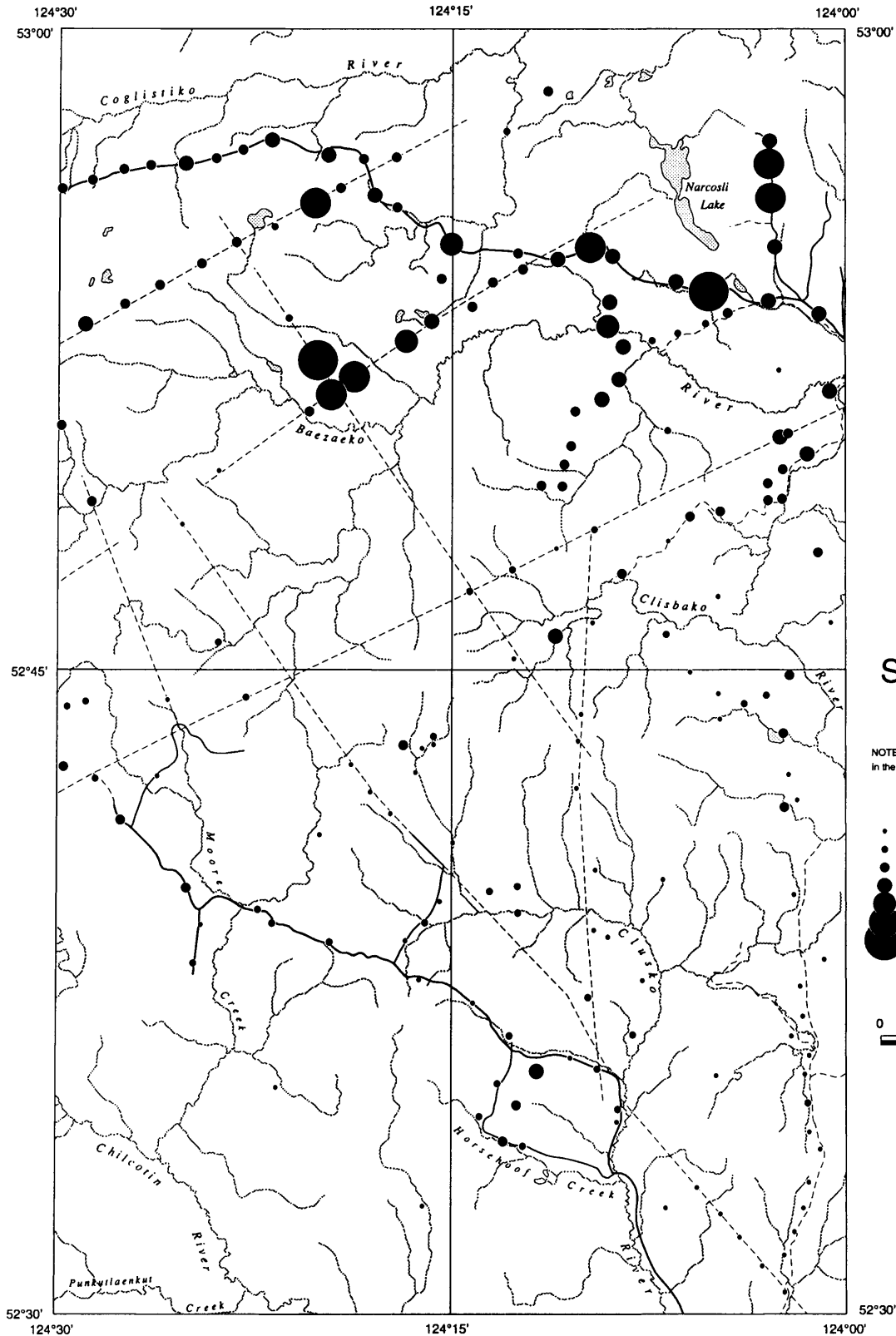
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 7
Maximum: 21
Mean: 13.2
Mode: 12
Median: 13
Lower quartile: 11
Upper quartile: 16
Standard deviation: 3.4
Coefficient of variation: 3.9

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Scandium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	7	11	61	34.5
•	11	13	36	54.8
•	13	16	47	81.4
•	16	18	22	93.8
•	18	19	3	95.5
•	19	20	6	98.9
•	20	21	2	100



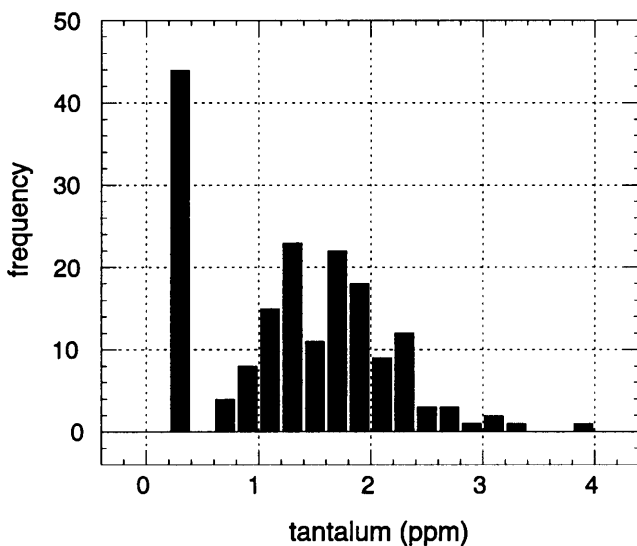
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Sc

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Tantalum

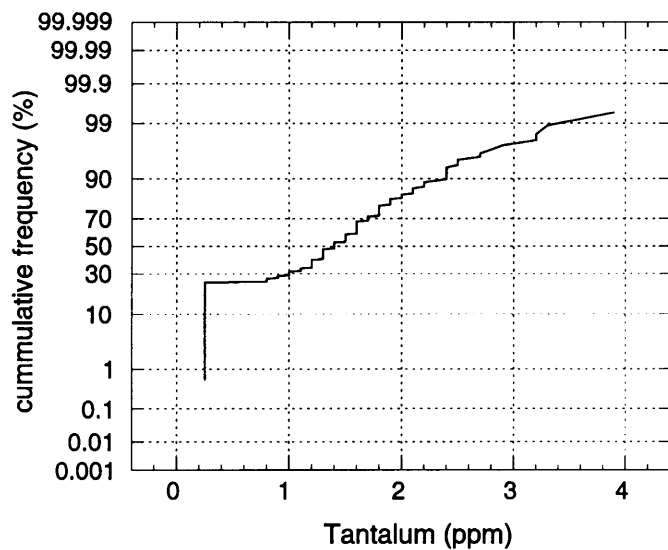
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 0.5 ppm

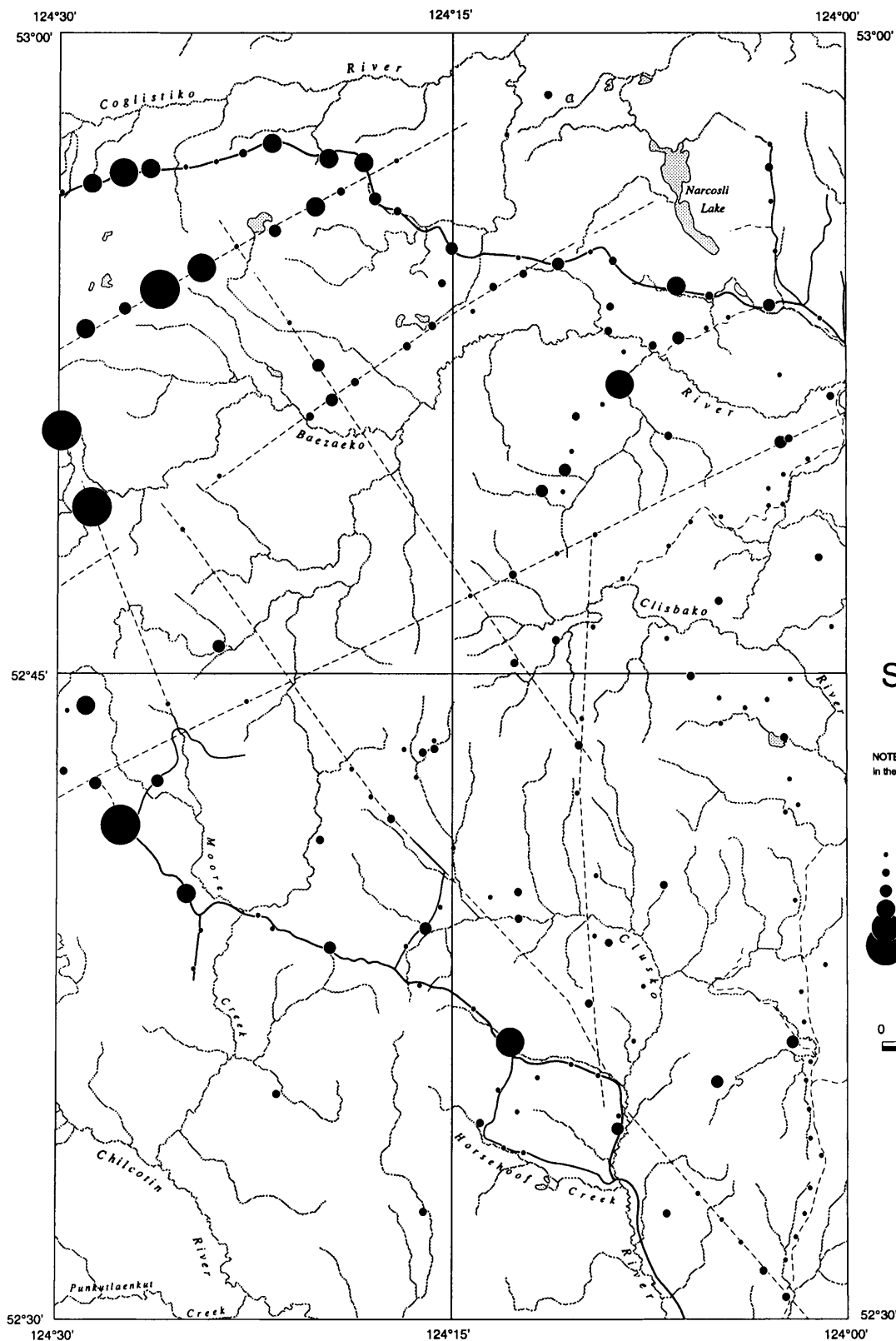
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: <0.5
Maximum: 3.9
Mean: 1.3
Mode: 0.25
Median: 1.4
Lower quartile: 0.8
Upper quartile: 1.8
Standard deviation: 0.8
Coefficient of variation: 1.6

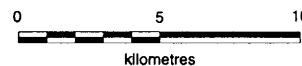
Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Tantalum (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	.25	1.4	94	53.1
•	1.4	1.8	45	78.5
•	1.8	2.3	20	89.8
•	2.3	2.5	10	95.5
•	2.5	2.9	4	97.7
•	2.9	3.9	4	100



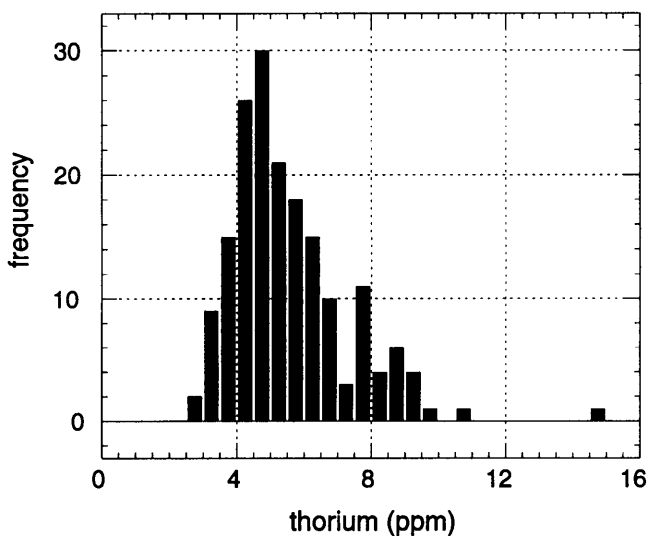
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Ta

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Thorium

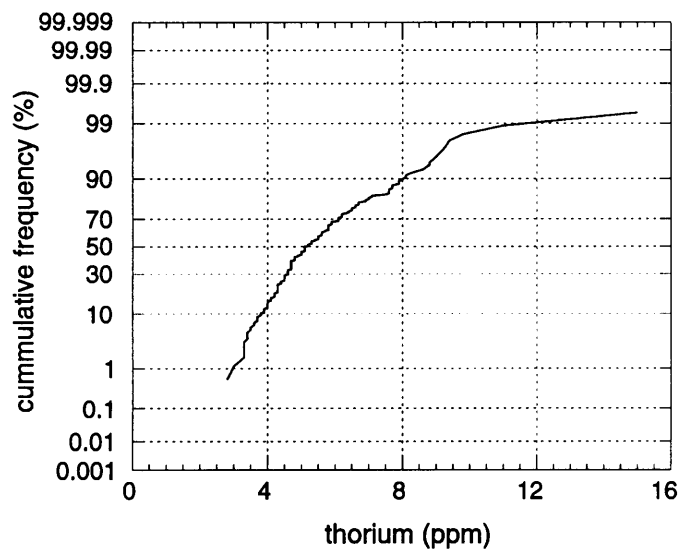
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 0.5 ppm

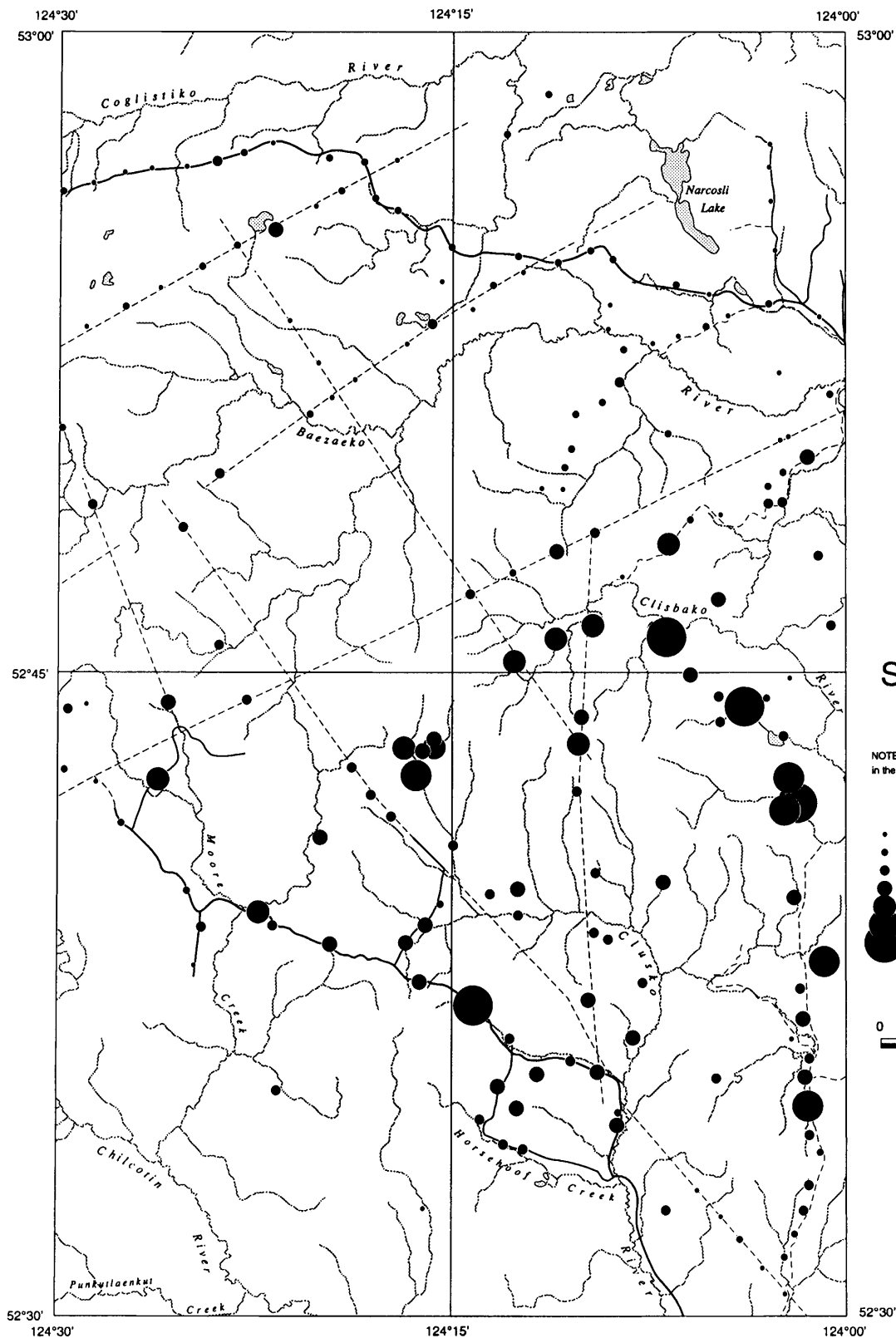
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 2.8
Maximum: 15
Mean: 5.6
Mode: 4.7
Median: 5.1
Lower quartile: 4.4
Upper quartile: 6.4
Standard deviation: 1.7
Coefficient of variation: 3.3

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Thorium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	2.8	4.4	45	25.4
•	4.4	5.1	44	50.3
•	5.1	6.4	44	75.1
•	6.4	7.9	26	89.8
•	7.9	8.8	9	94.9
•	8.8	9.3	5	97.7
•	9.3	15	4	100



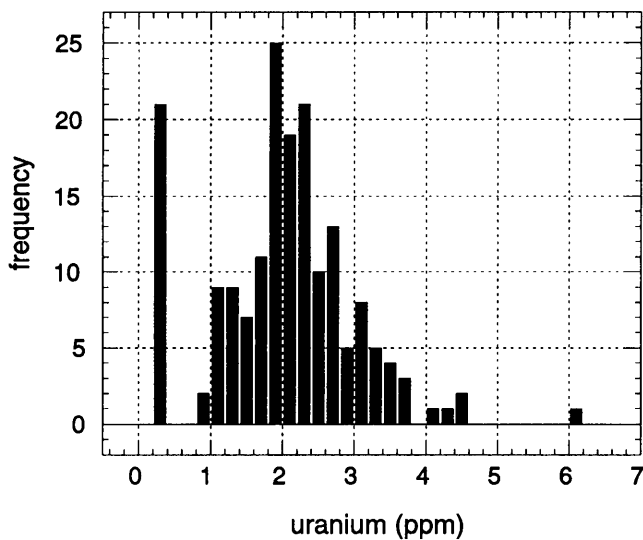
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Th

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Uranium

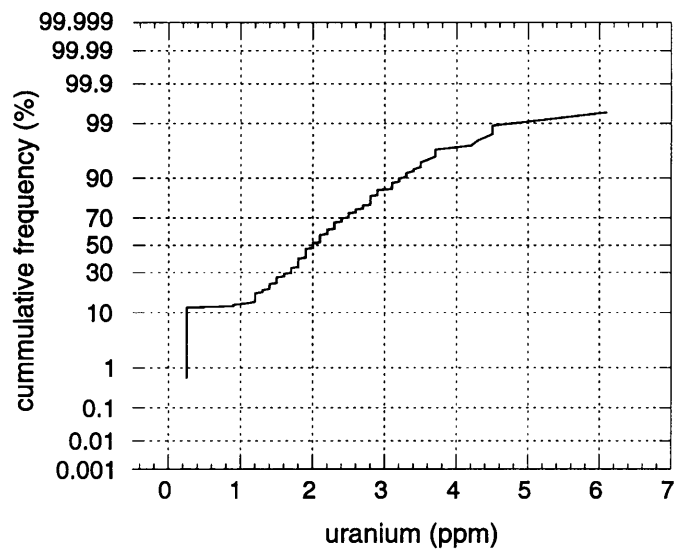
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 0.5 ppm

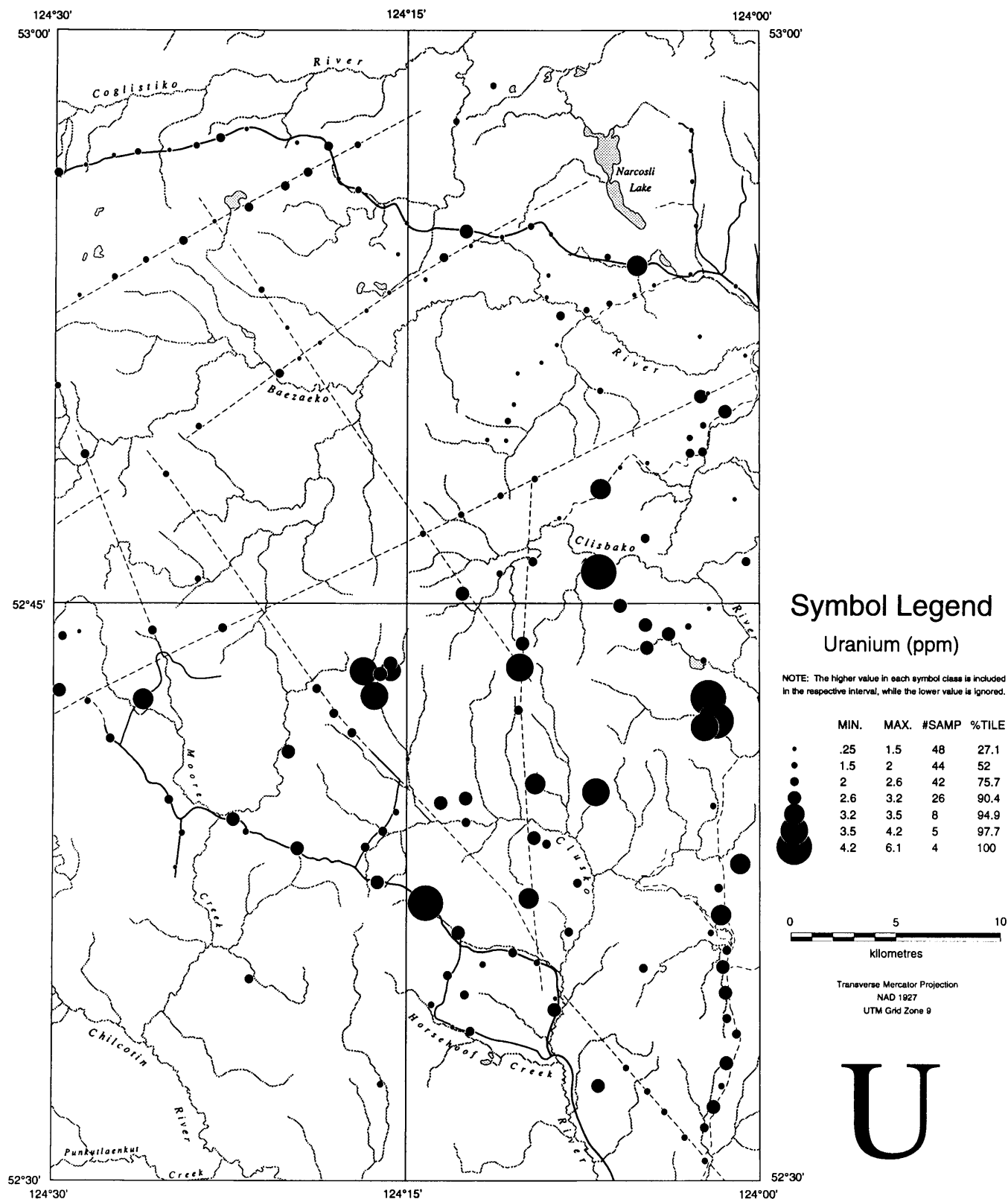
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: <0.5
Maximum: 6.1
Mean: 2.0
Mode: 0.25
Median: 2.0
Lower quartile: 1.5
Upper quartile: 2.6
Standard deviation: 1.0
Coefficient of variation: 2.0

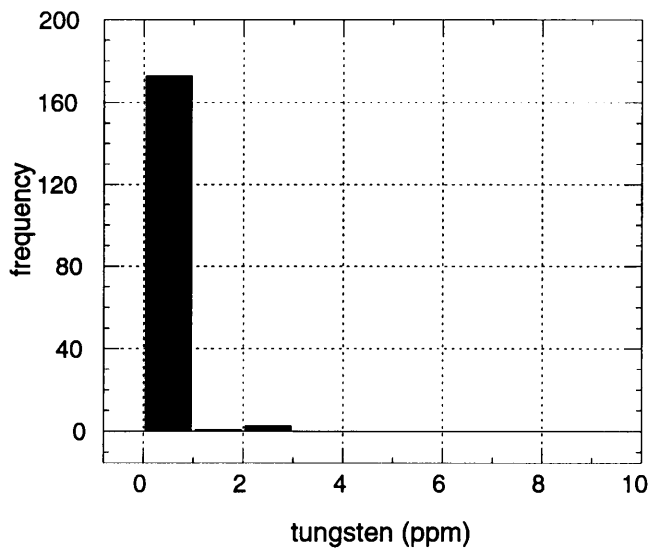
Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Tungsten

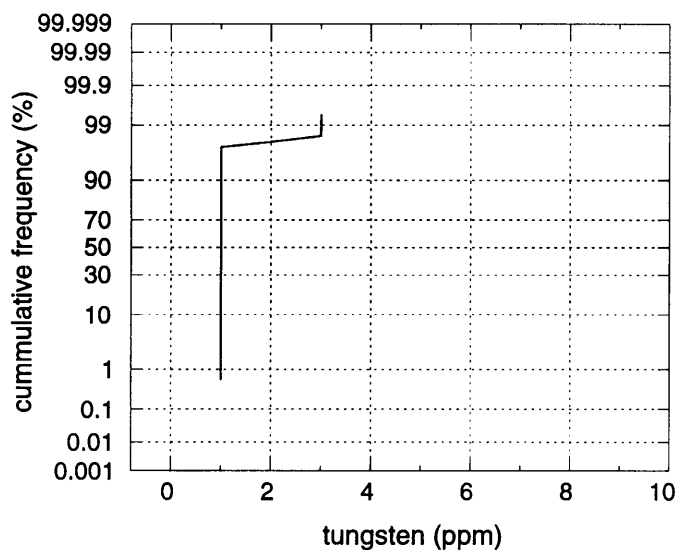
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 1 ppm

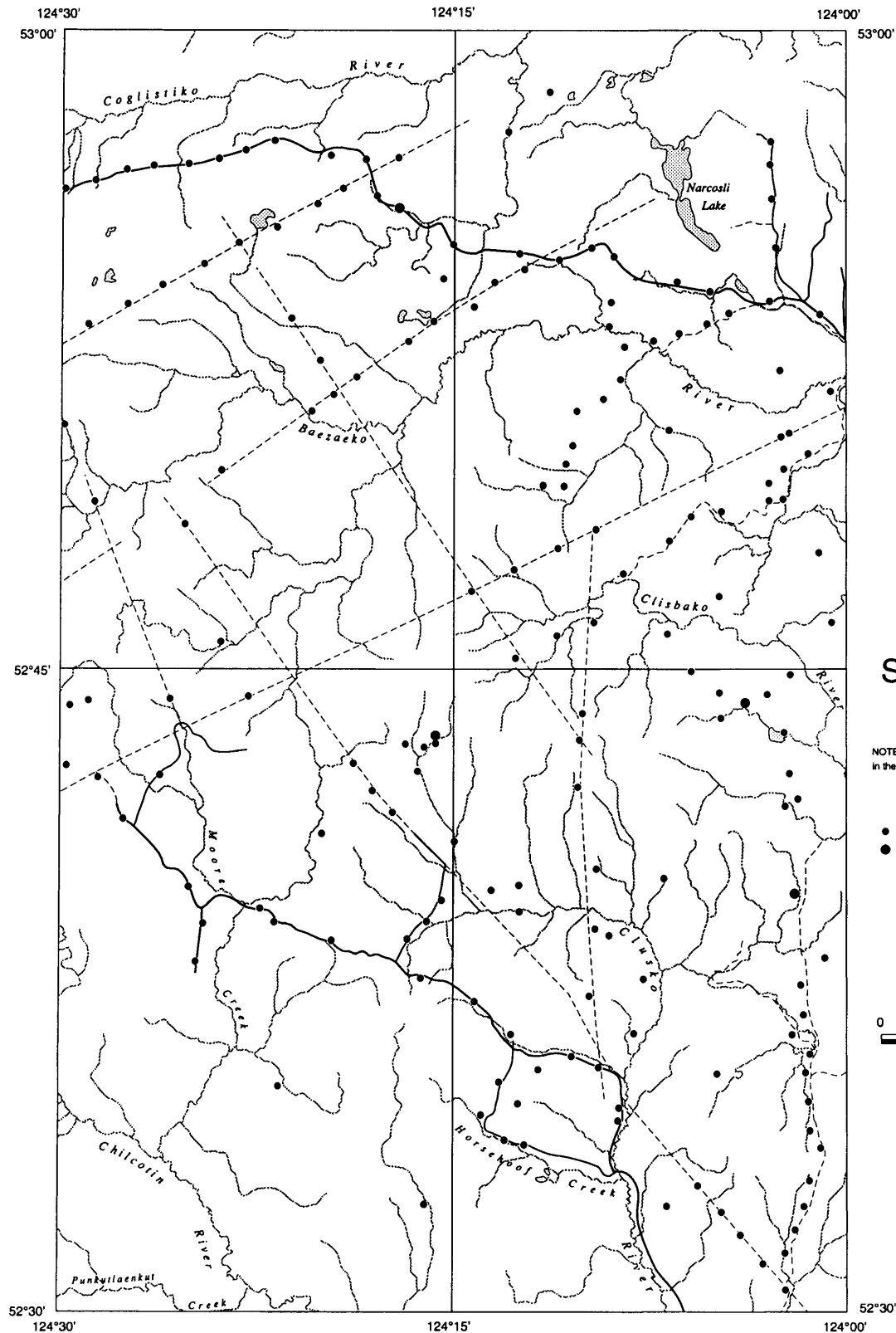
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 1
Maximum: 3
Mean: 1.0
Mode: 1
Median: 1
Lower quartile: 1
Upper quartile: 1
Standard deviation: 0.3
Coefficient of variation: 3.3

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Tungsten (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	0	1	173	97.7
●	1	3	4	100



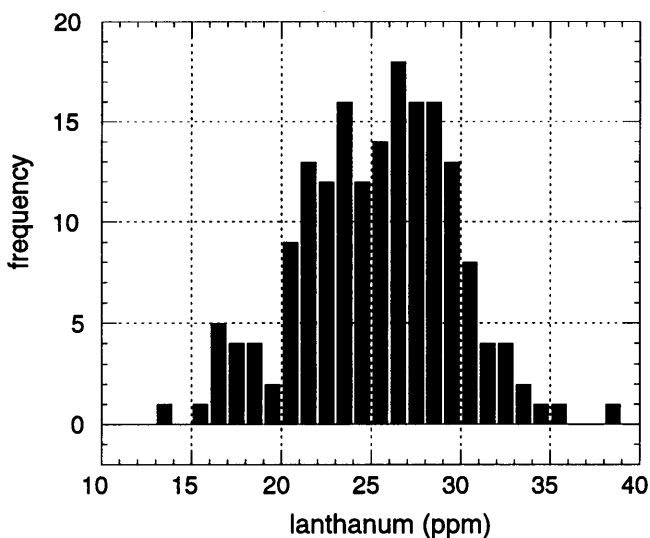
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

W

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Lanthanum

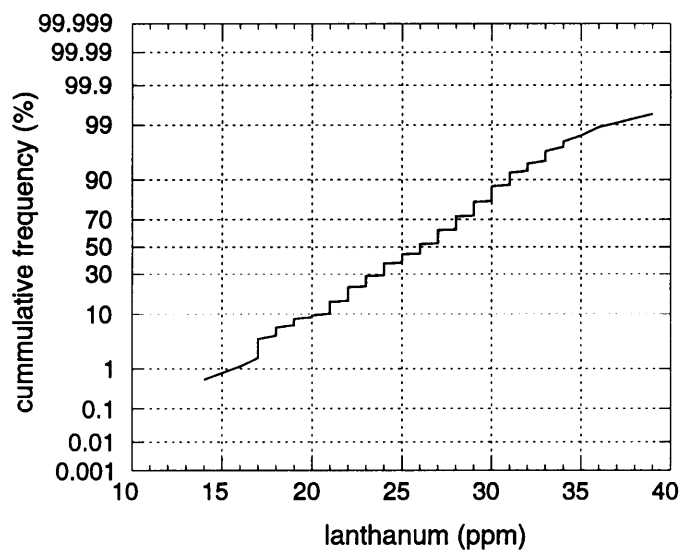
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 1 ppm

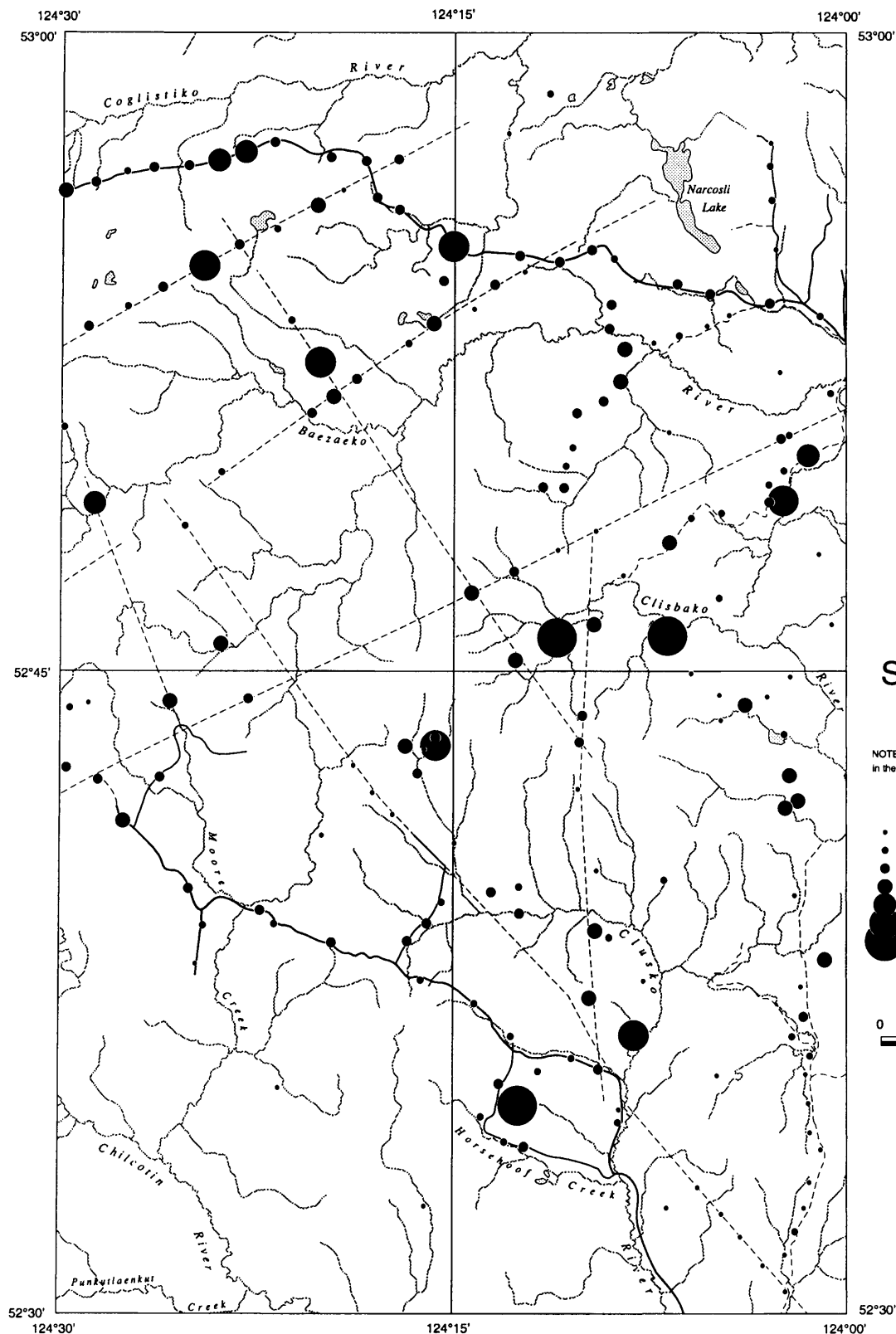
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 14
Maximum: 39
Mean: 25.8
Mode: 27
Median: 26
Lower quartile: 23
Upper quartile: 29
Standard deviation: 4.3
Coefficient of variation: 6.0

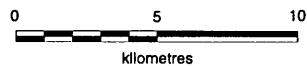
Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Lanthanum (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	14	23	51	28.8
•	23	26	42	52.5
•	26	29	50	80.8
•	29	31	21	92.7
•	31	32	4	94.9
•	32	34	6	98.3
•	34	39	3	100

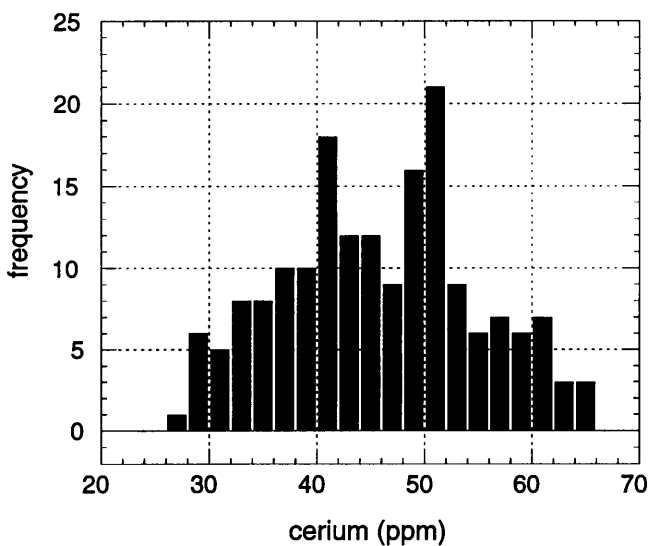


Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Cerium

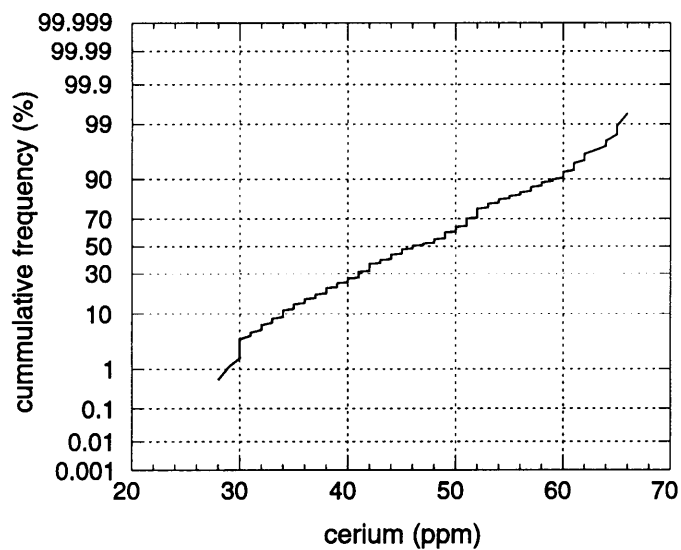
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 3 ppm

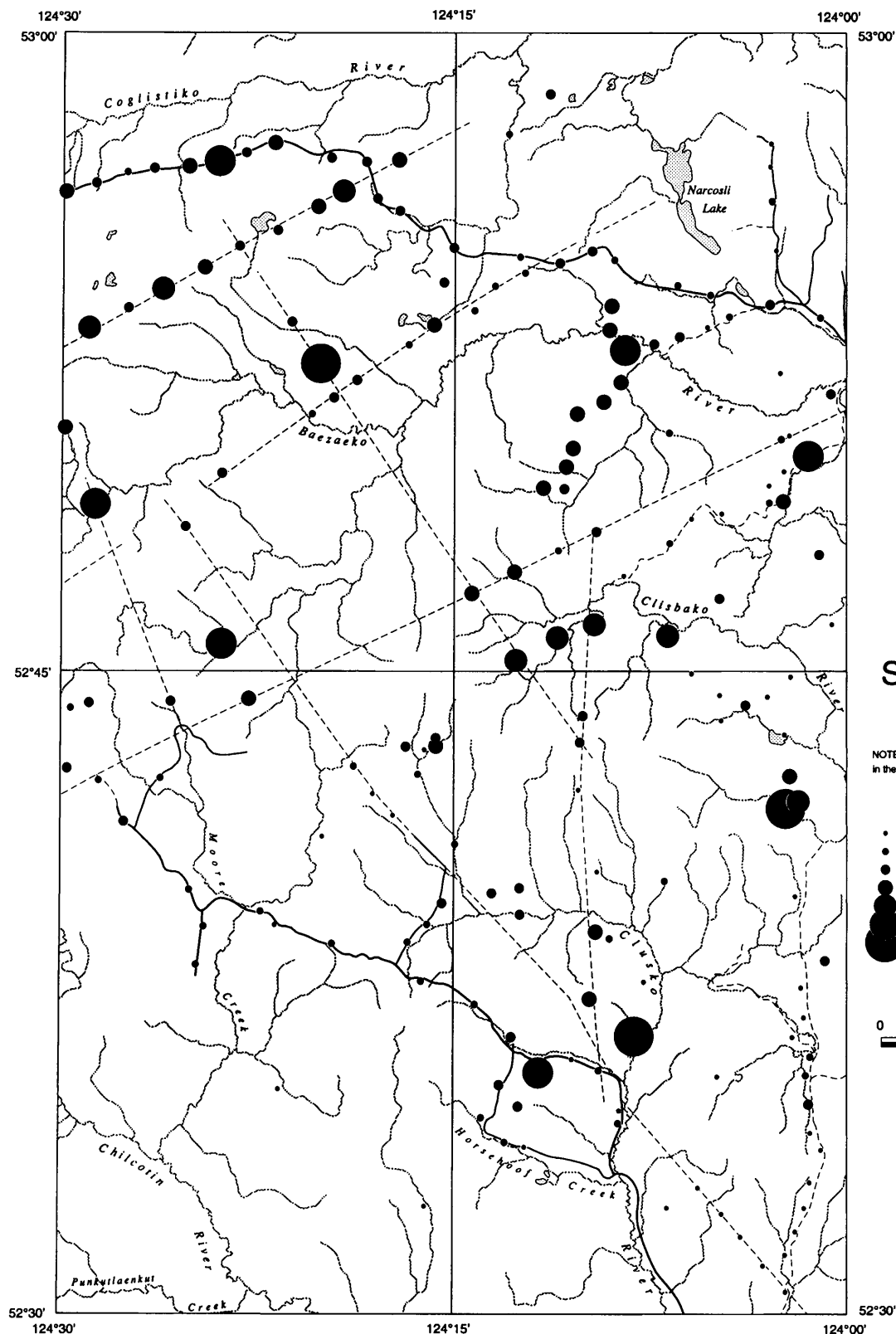
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 28
Maximum: 66
Mean: 46.3
Mode: 52
Median: 46
Lower quartile: 40
Upper quartile: 52
Standard deviation: 9.0
Coefficient of variation: 5.1

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Cerium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	28	40	48	27.1
•	40	46	42	50.8
•	46	52	46	76.8
•	52	59	24	90.4
•	59	61	8	94.9
•	61	64	6	98.3
•	64	66	3	100



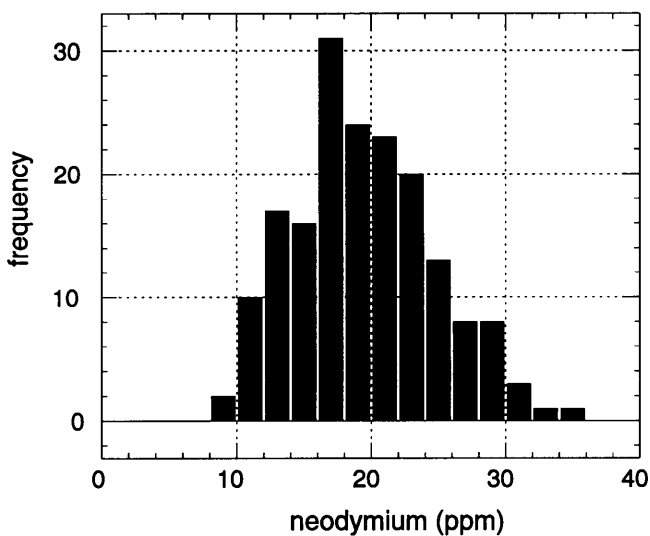
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Ce

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Neodymium

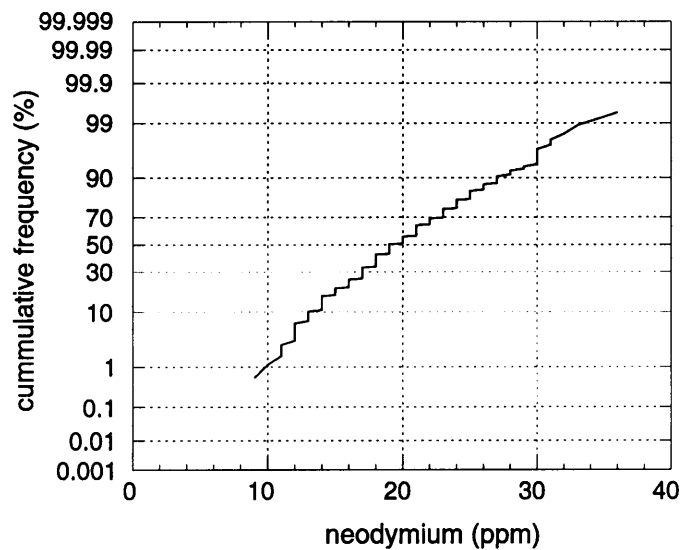
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 5 ppm

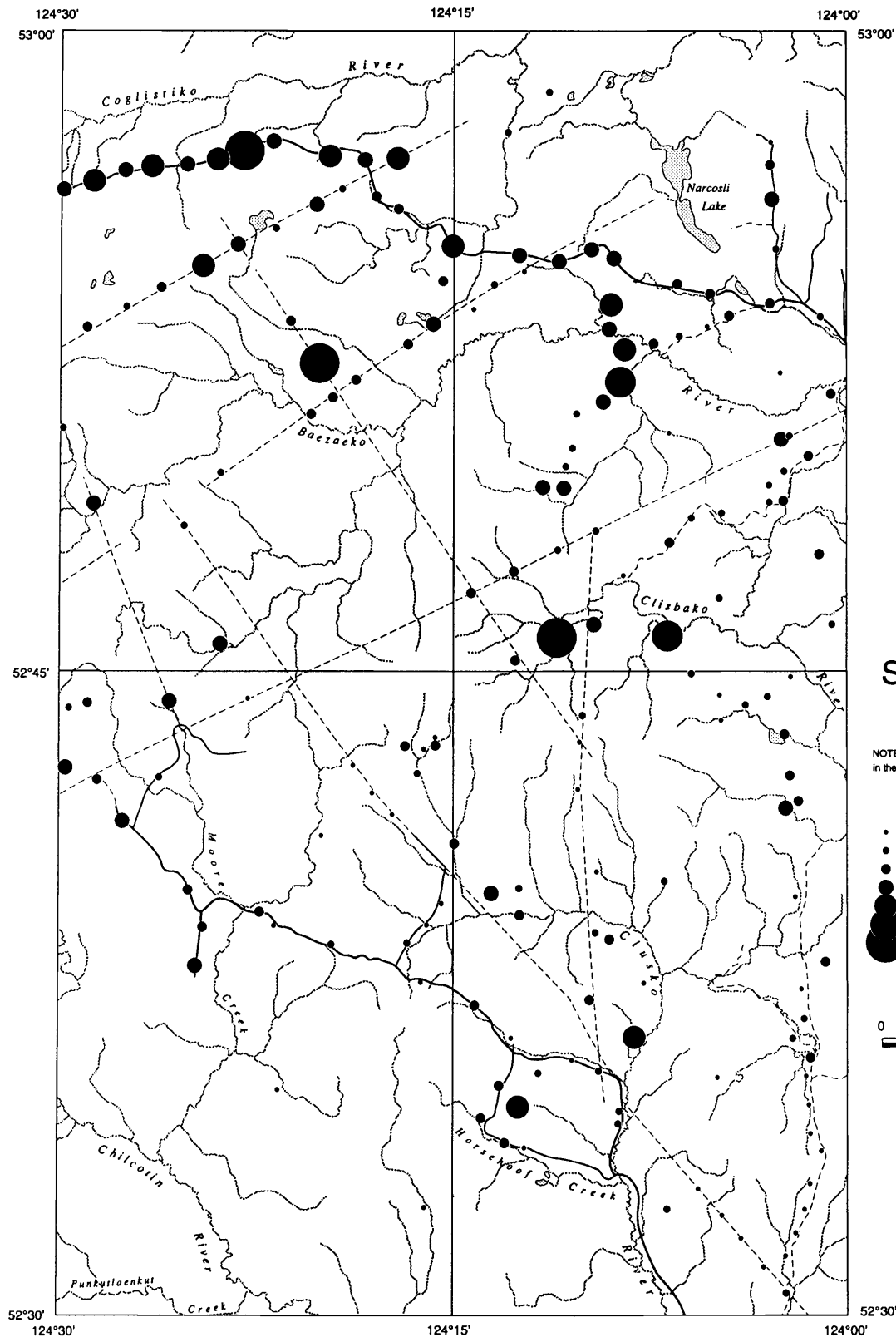
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 9
Maximum: 36
Mean: 20.0
Mode: 18
Median: 19
Lower quartile: 16
Upper quartile: 23
Standard deviation: 5.2
Coefficient of variation: 3.8

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Neodymium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	9	16	45	25.4
•	16	19	45	50.8
•	19	23	44	75.7
•	23	27	27	91
•	27	30	11	97.2
•	30	31	2	98.3
•	31	36	3	100



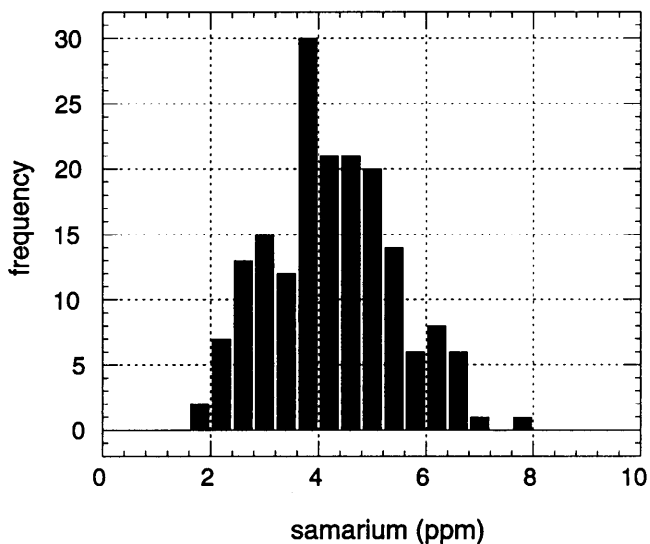
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Nd

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Samarium

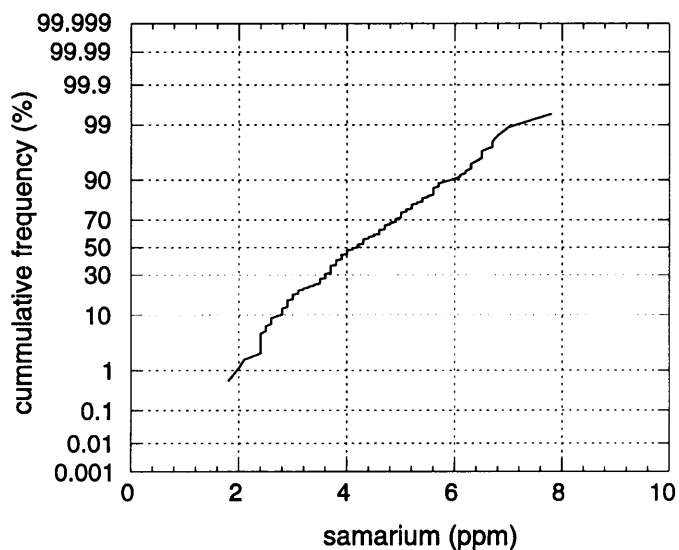
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 0.1 ppm

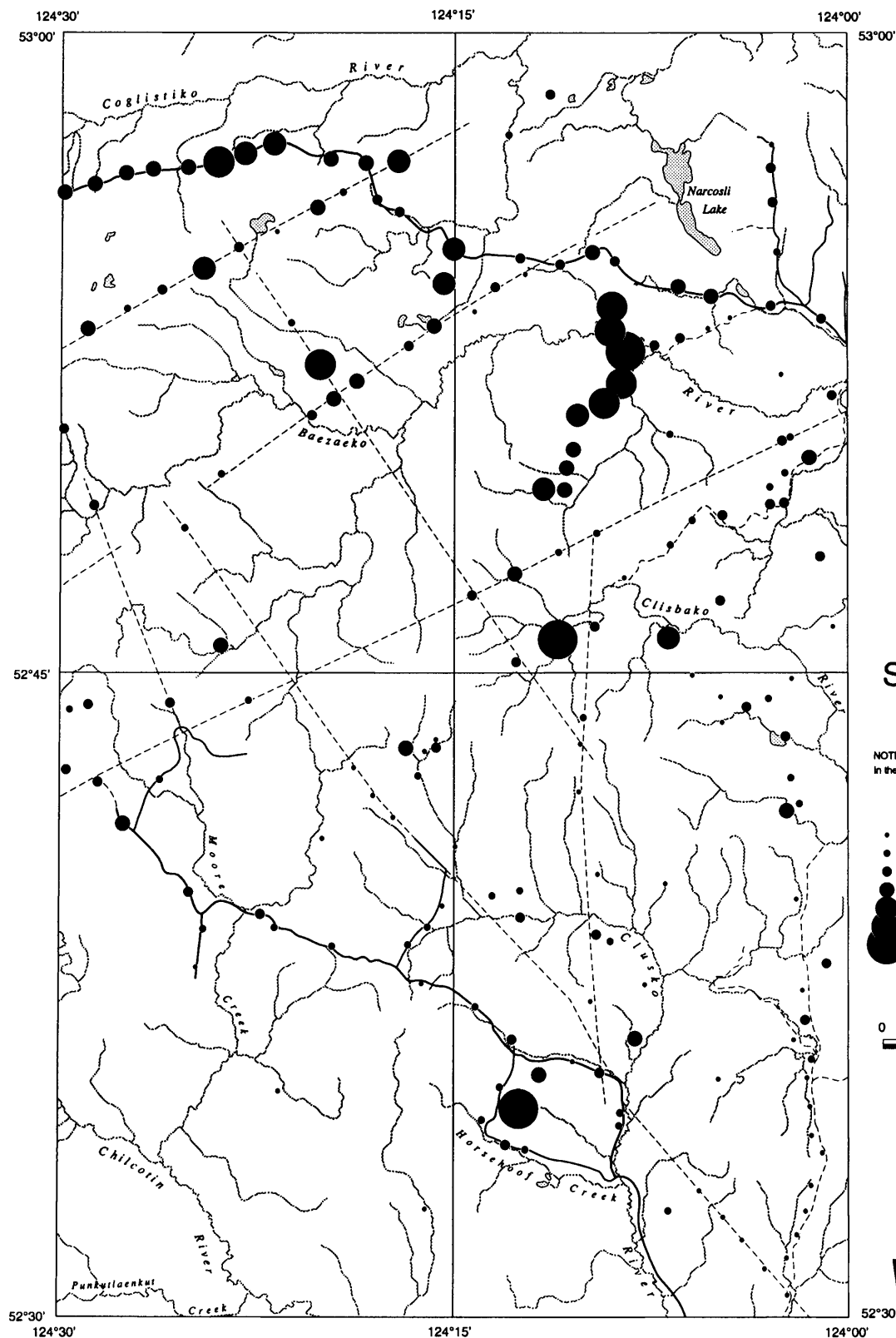
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 1.8
Maximum: 7.8
Mean: 4.3
Mode: 3.7
Median: 4.2
Lower quartile: 3.5
Upper quartile: 5
Standard deviation: 1.2
Coefficient of variation: 3.6

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Samarium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	1.8	3.5	49	27.7
•	3.5	4.1	39	49.7
•	4.1	5	45	75.1
•	5	5.8	26	89.8
•	5.8	6.3	9	94.9
•	6.3	6.7	6	98.3
•	6.7	7.8	3	100



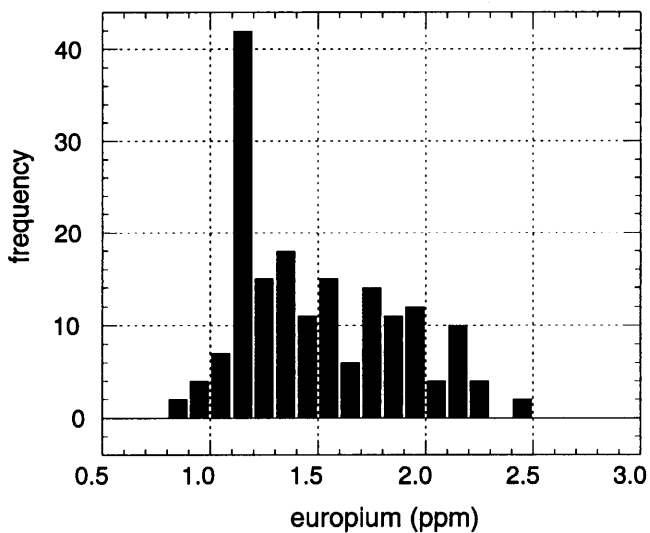
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Sm

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Europium

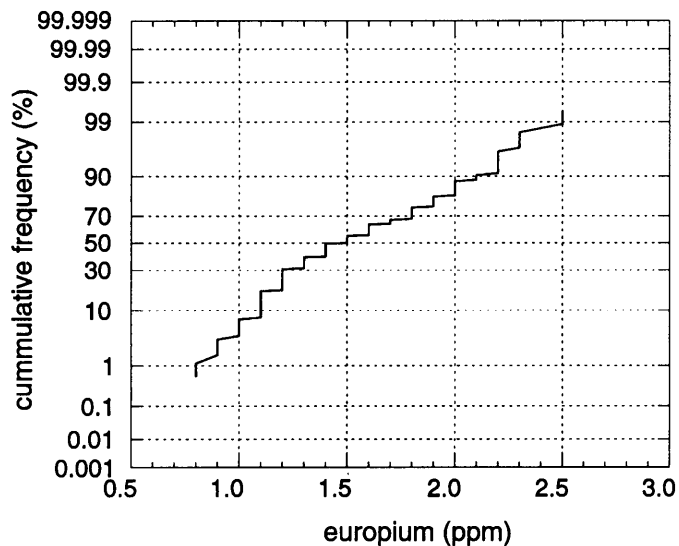
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 0.2 ppm

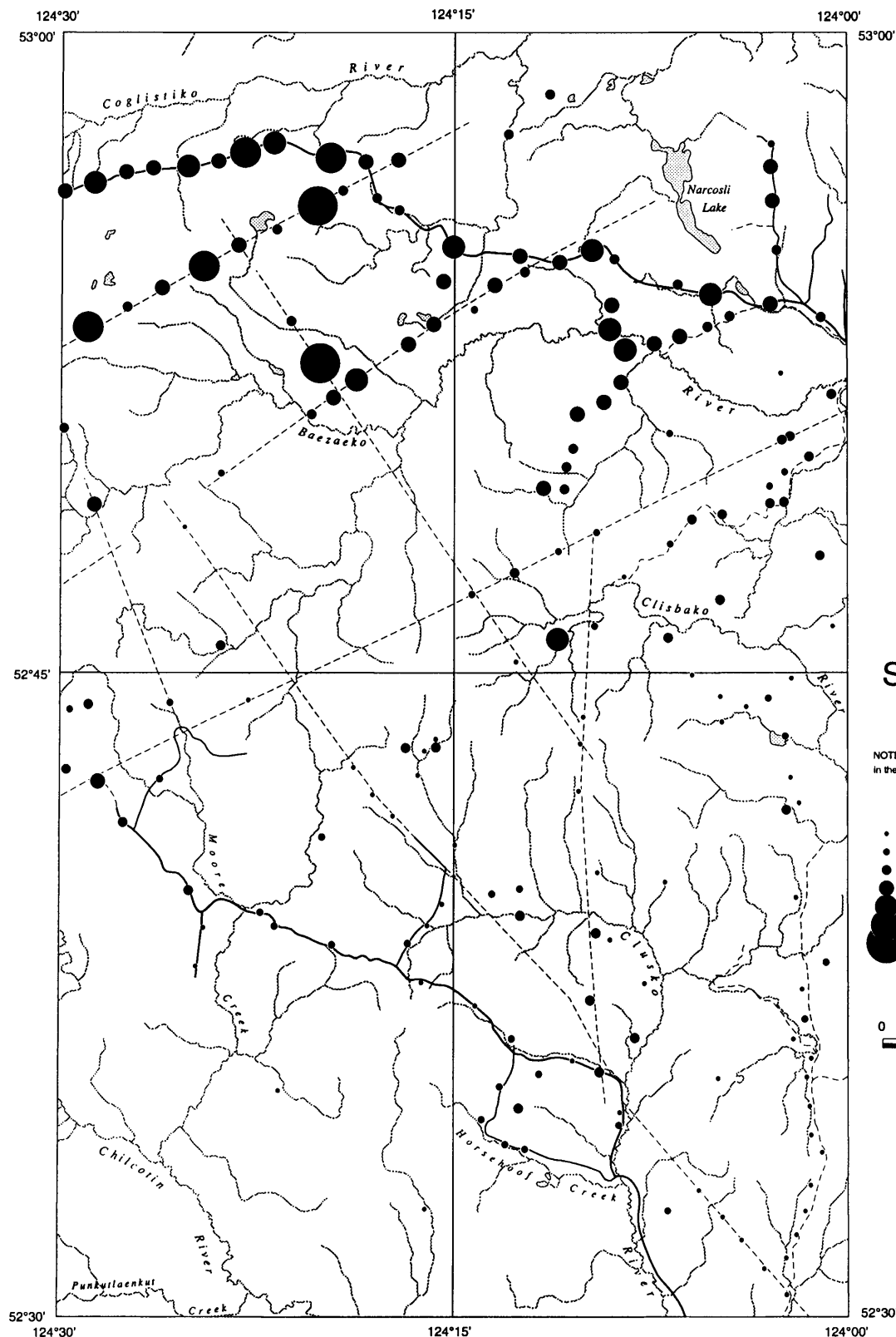
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 0.8
Maximum: 2.5
Mean: 1.5
Mode: 1.2
Median: 1.5
Lower quartile: 1.2
Upper quartile: 1.8
Standard deviation: 0.4
Coefficient of variation: 3.8

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Europium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	0.8	1.2	55	31.1
•	1.2	1.4	33	49.7
•	1.4	1.8	46	75.7
•	1.8	2.1	27	91
•	2.1	2.2	10	96.6
•	2.2	2.3	4	98.9
•	2.3	2.5	2	100



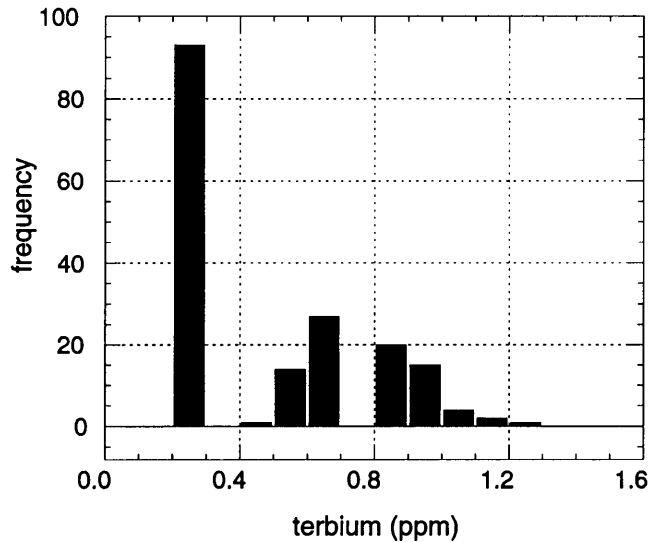
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Eu

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Terbium

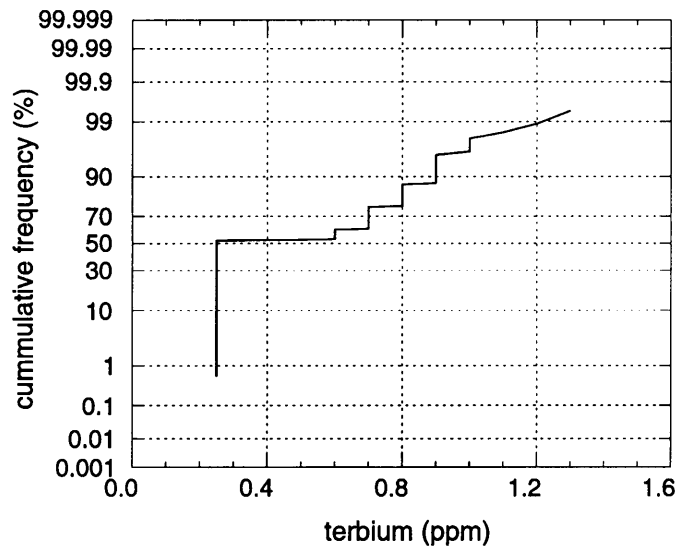
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 0.5 ppm

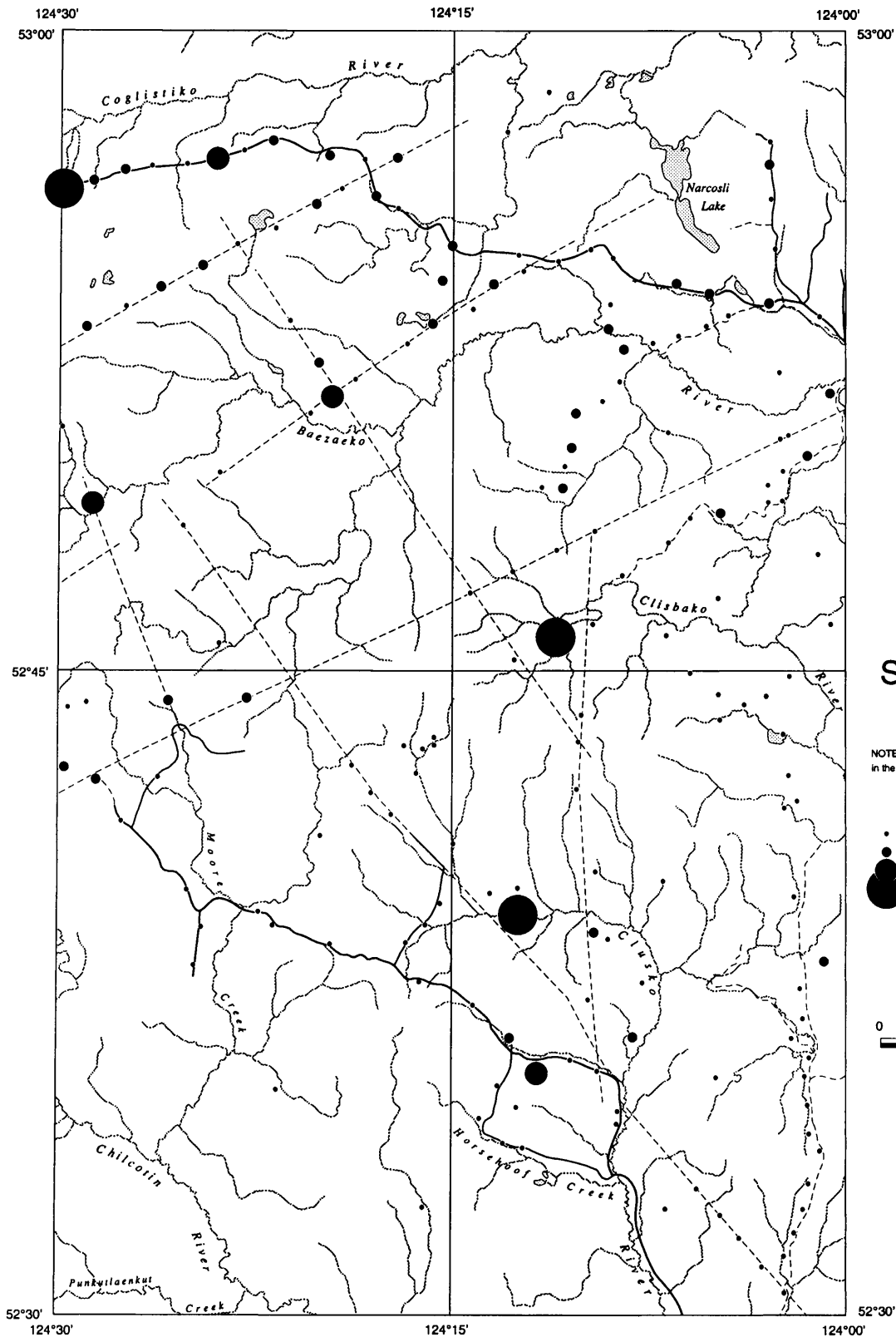
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: <0.5
Maximum: 1.3
Mean: 0.5
Mode: 0.25
Median: <0.5
Lower quartile: <0.5
Upper quartile: 0.7
Standard deviation: 0.3
Coefficient of variation: 1.7

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Terbium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	.25	.7	135	76.3
•	.7	.9	35	96
•	.09	1	4	98.3
•	1	1.3	3	100



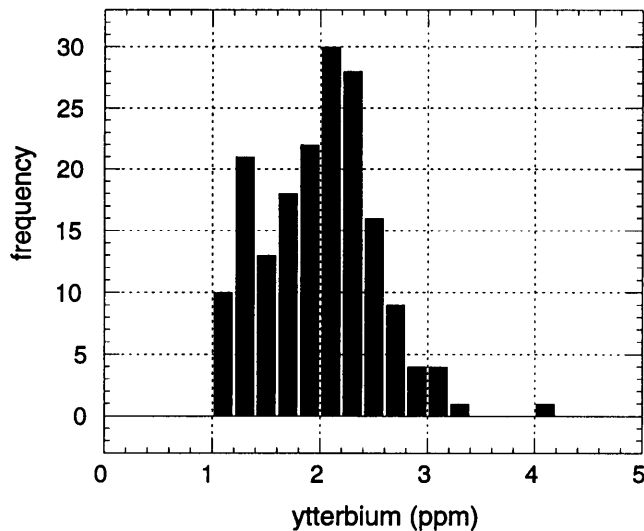
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Tb

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Ytterbium

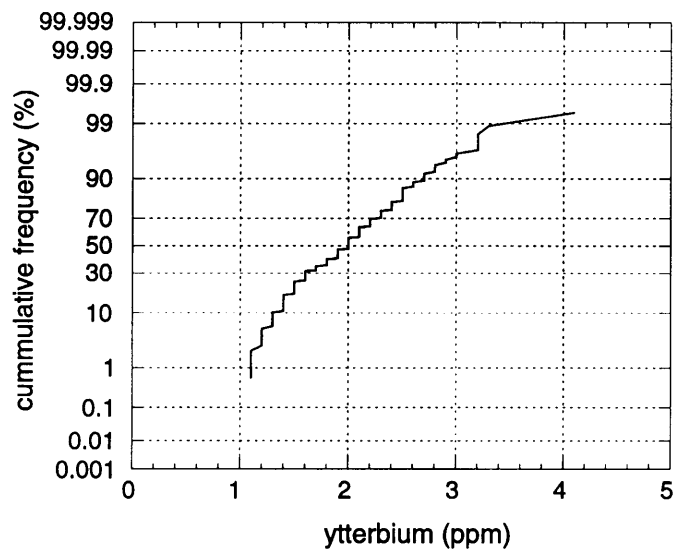
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 0.2 ppm

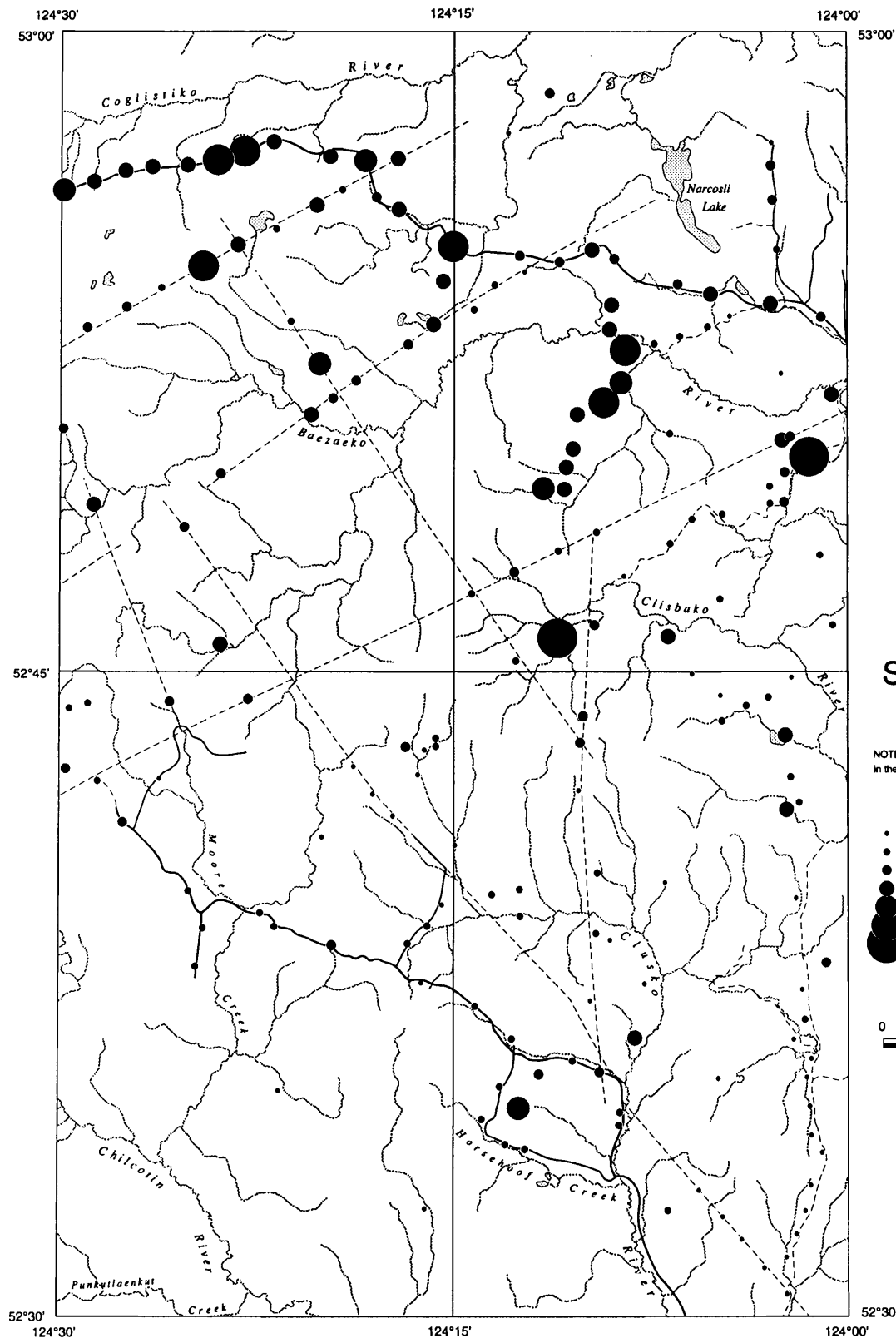
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 1.1
Maximum: 4.1
Mean: 2.0
Mode: 2
Median: 2
Lower quartile: 1.6
Upper quartile: 2.3
Standard deviation: 0.5
Coefficient of variation: 4.0

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Ytterbium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	1.1	1.5	44	24.9
•	1.5	2	56	56.5
•	2	2.3	33	75.1
•	2.3	2.7	30	92.1
•	2.7	2.9	6	95.5
•	2.9	3.2	6	98.9
•	3.2	4.1	2	100



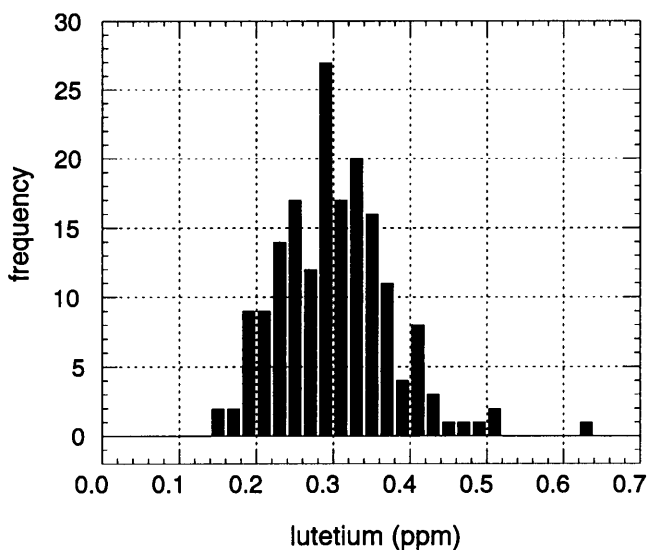
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Yb

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Lutetium

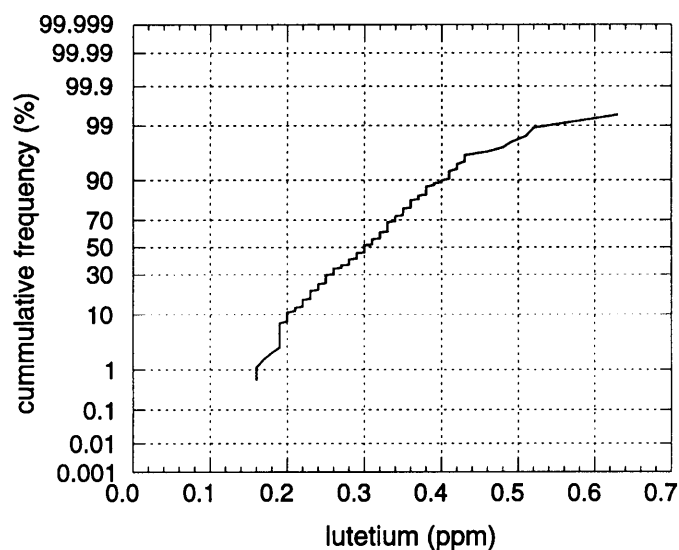
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 0.05 ppm

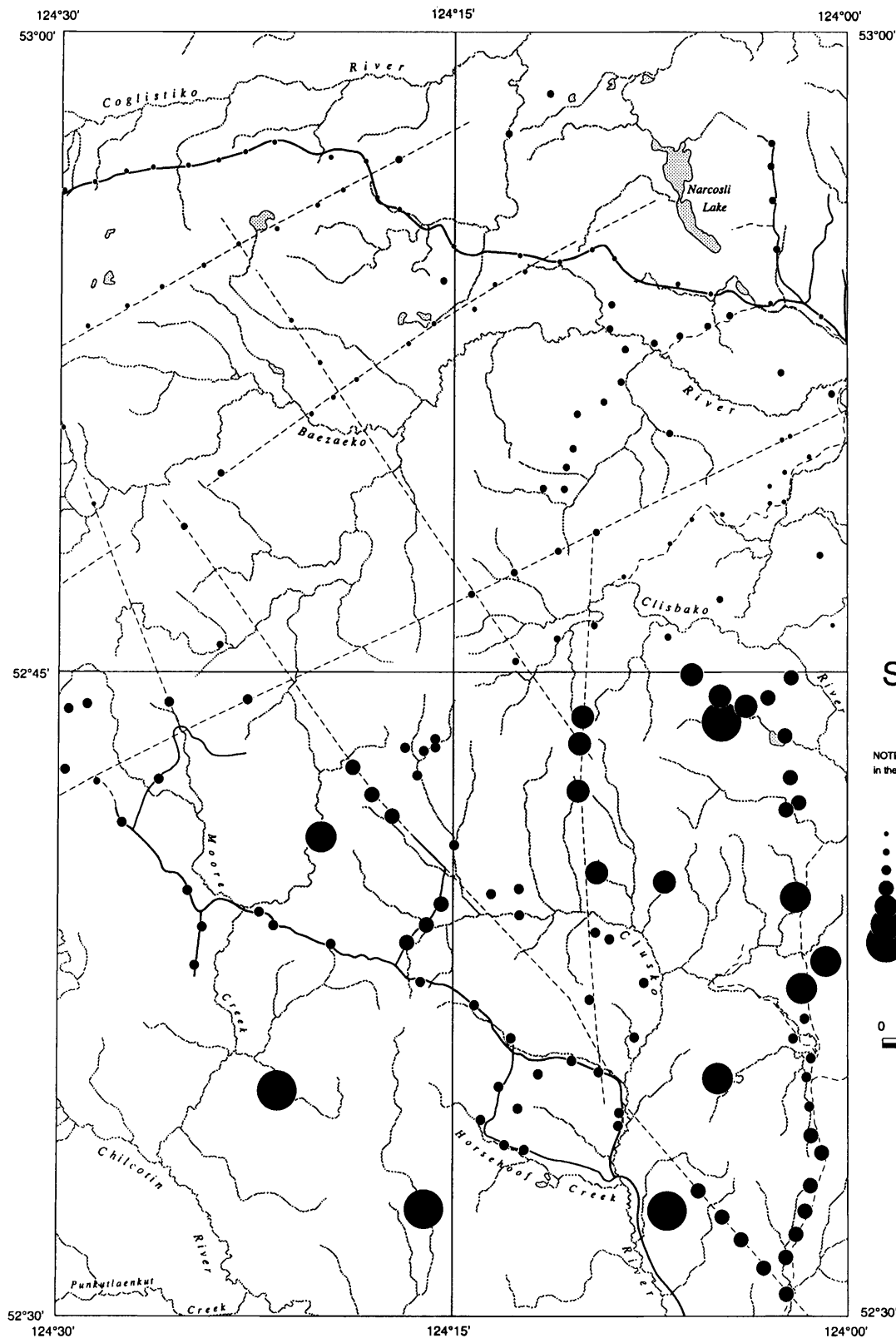
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 0.16
Maximum: 0.63
Mean: 0.30
Mode: 0.33
Median: 0.3
Lower quartile: 0.25
Upper quartile: 0.35
Standard deviation: 0.08
Coefficient of variation: 3.75

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Lutetium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	.16	.25	53	29.9
•	.25	.3	39	52
•	.3	.35	45	77.4
•	.35	.4	23	90.4
•	.4	.42	8	94.9
•	.42	.48	5	97.7
•	.48	.63	4	100



Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Lu

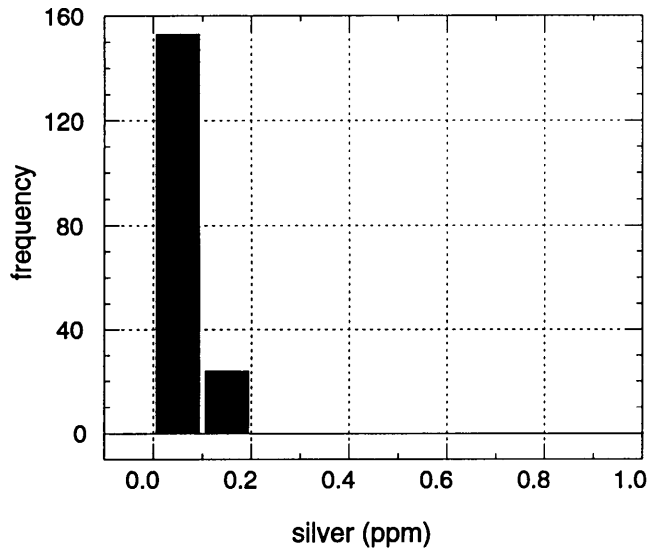
GEOFILE 2006_1 – CLUSKO RIVER – TOIL MOUNTAIN MAPS

Acid Digestion-ICP-ES Results.

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Silver

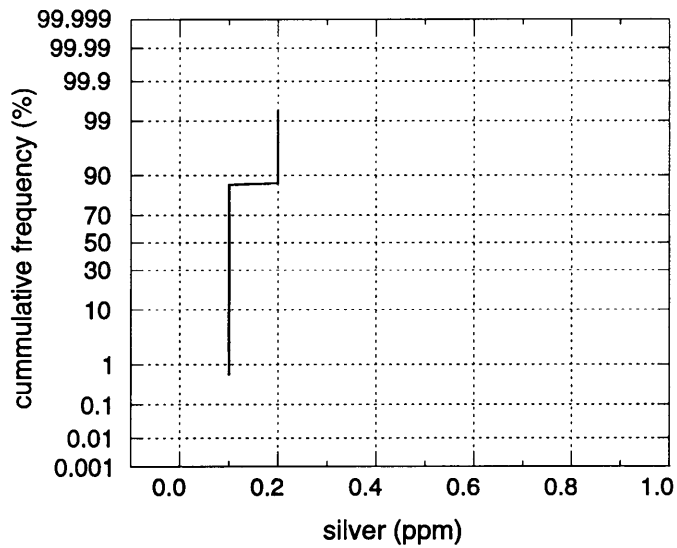
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 0.2 ppm

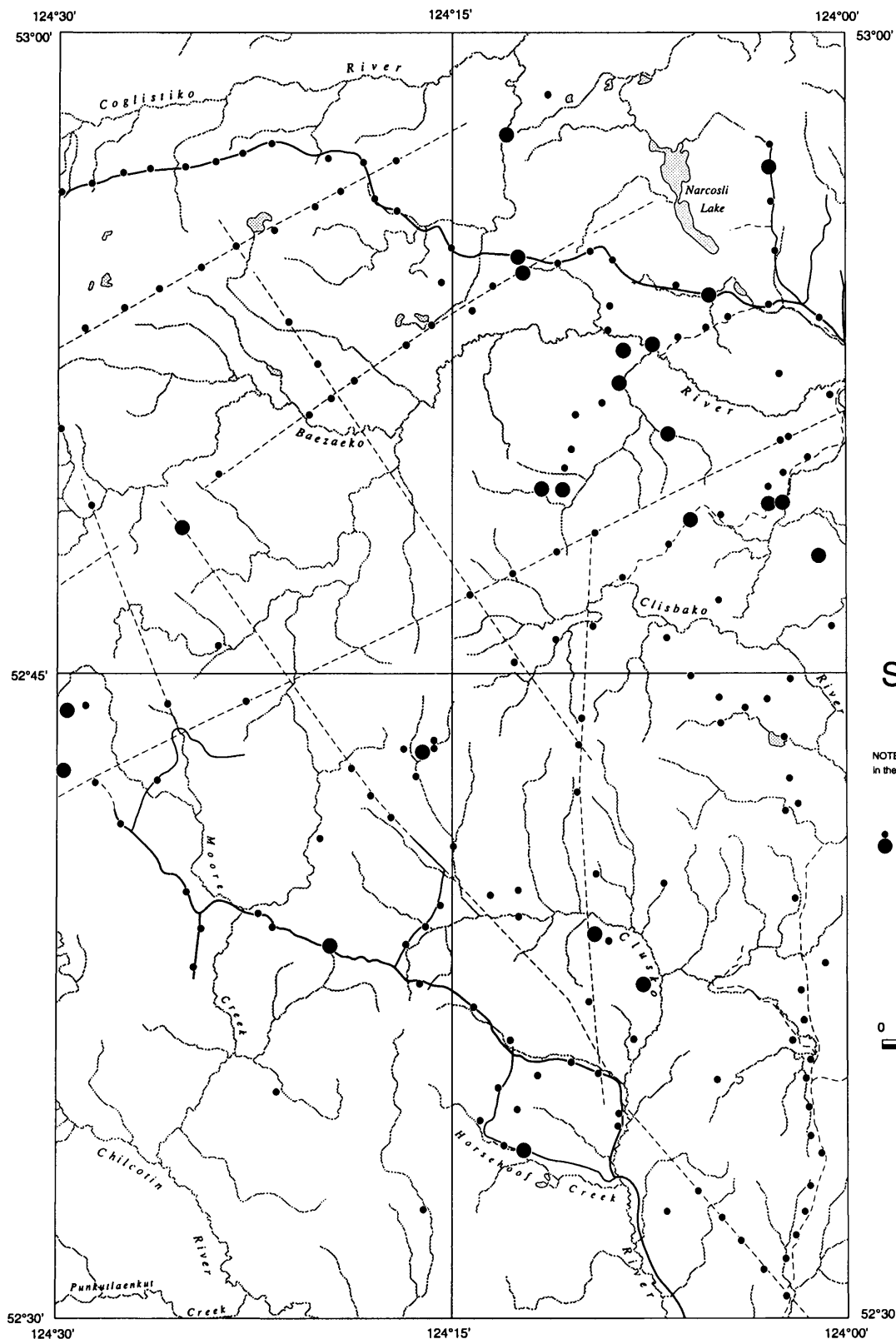
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: <.02
Maximum: 0.2
Mean: 0.1
Mode: 0.1
Median: <0.2
Lower quartile: <0.2
Upper quartile: <0.2
Standard deviation: 0.03
Coefficient of variation: 3.3

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Silver (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

MIN.	MAX.	#SAMP	%TILE
0	.1	154	87
.1	.2	23	100



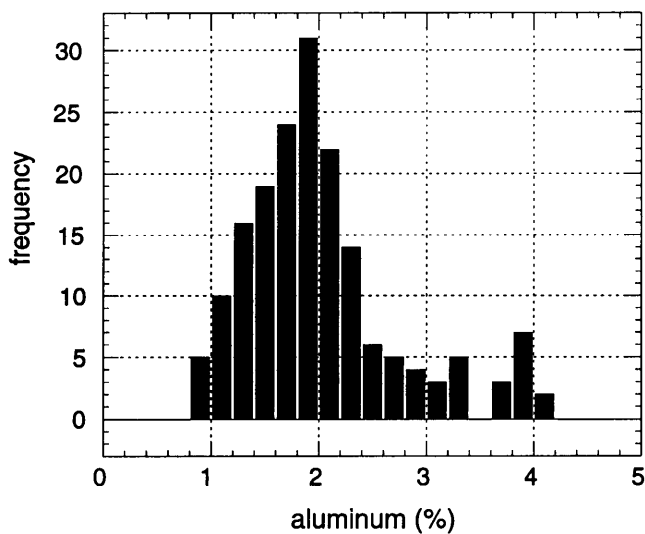
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Ag

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Aluminum

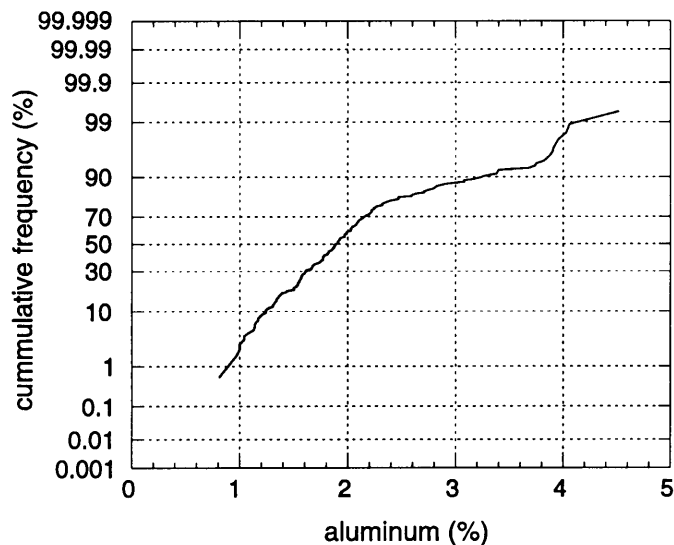
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 0.01 %

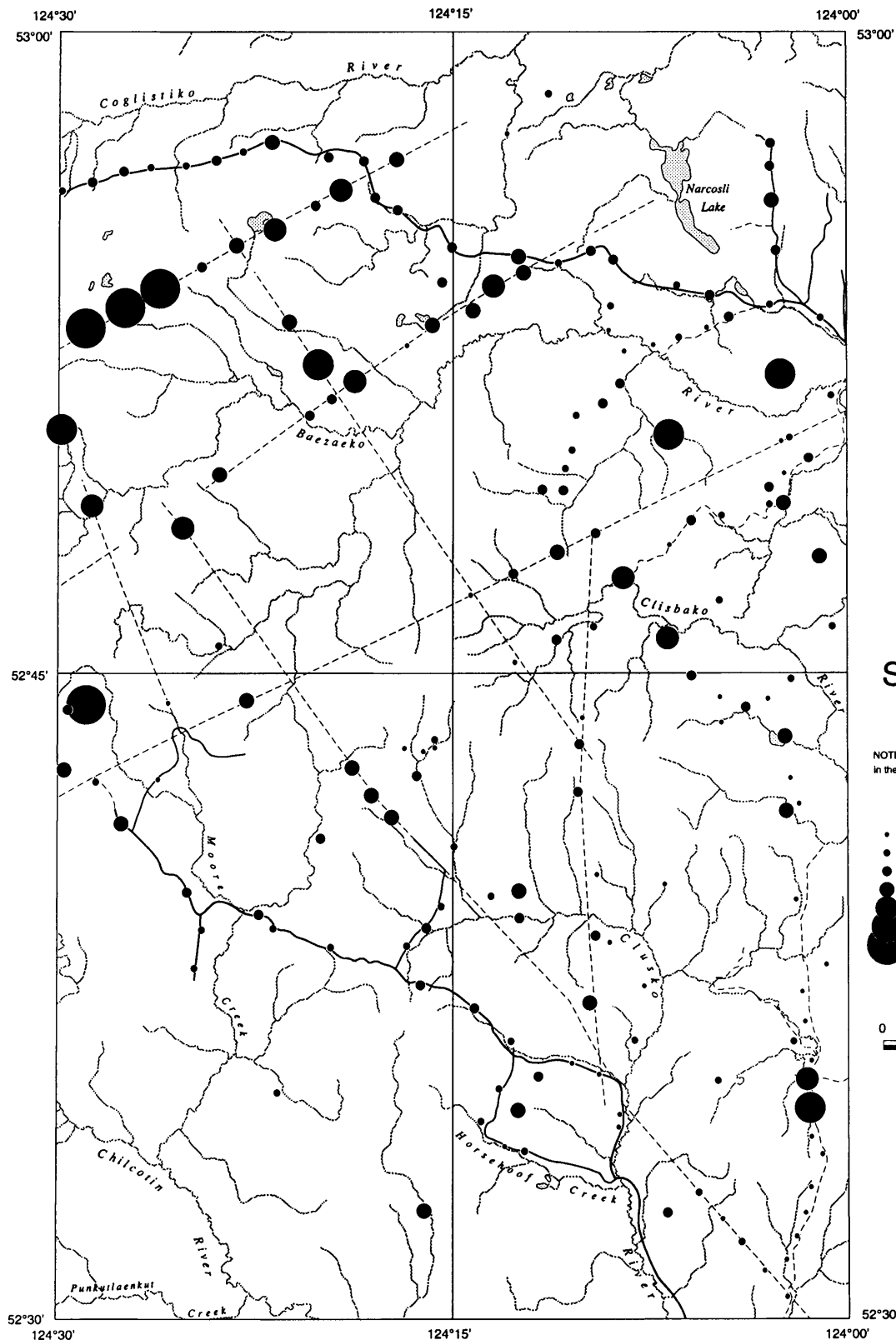
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 0.81
Maximum: 4.52
Mean: 2.04
Mode: 1.77
Median: 1.89
Lower quartile: 1.56
Upper quartile: 2.24
Standard deviation: 0.74
Coefficient of variation: 2.74

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Aluminum (%)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	0.81	1.56	45	25.4
•	1.56	1.88	43	49.7
•	1.88	2.24	46	75.7
•	2.24	3.18	25	89.8
•	3.18	3.82	9	94.9
•	3.82	3.93	5	97.7
•	3.93	4.52	4	100



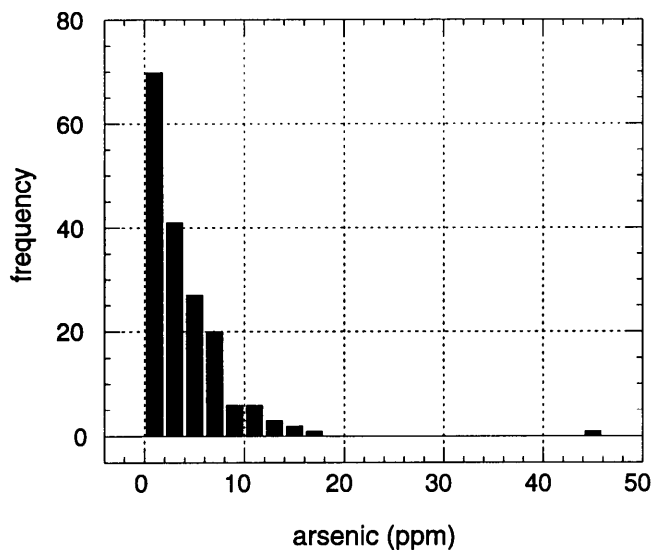
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

A1

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Arsenic

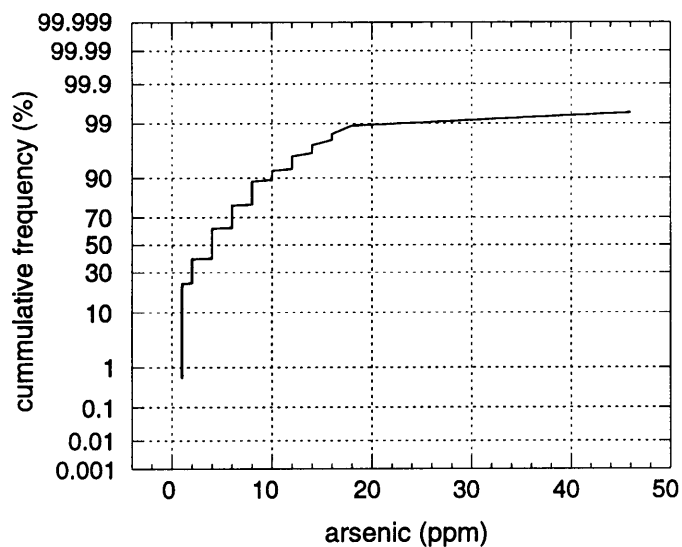
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 2 ppm

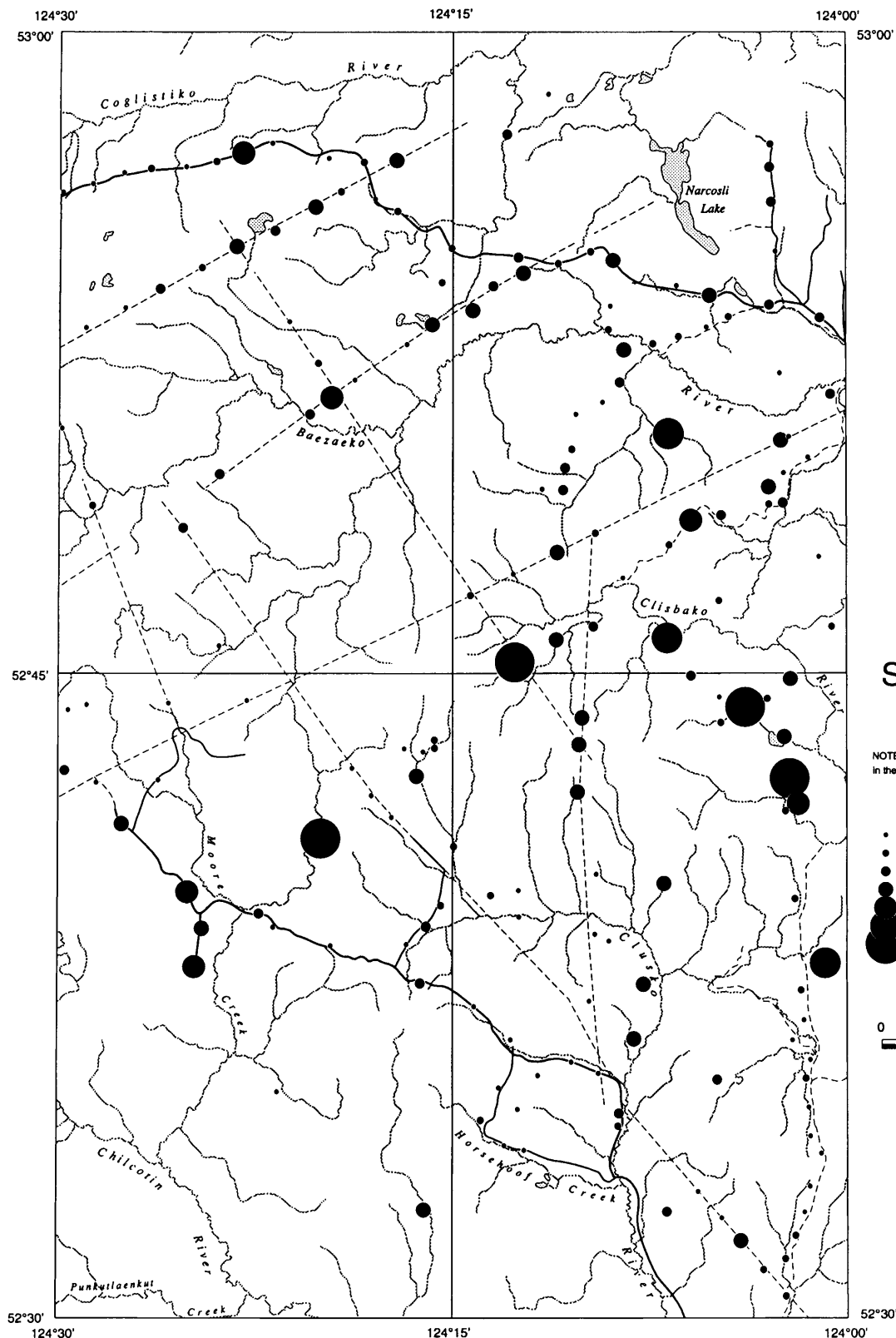
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: <2
Maximum: 46
Mean: 4.8
Mode: 4
Median: 4
Lower quartile: 2
Upper quartile: 6
Standard deviation: 4.7
Coefficient of variation: 1.0

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Arsenic (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	1	2	70	39.5
•	2	4	41	62.7
•	4	6	27	78
•	6	10	26	92.7
•	10	12	6	96
•	12	14	3	97.7
•	14	46	4	100



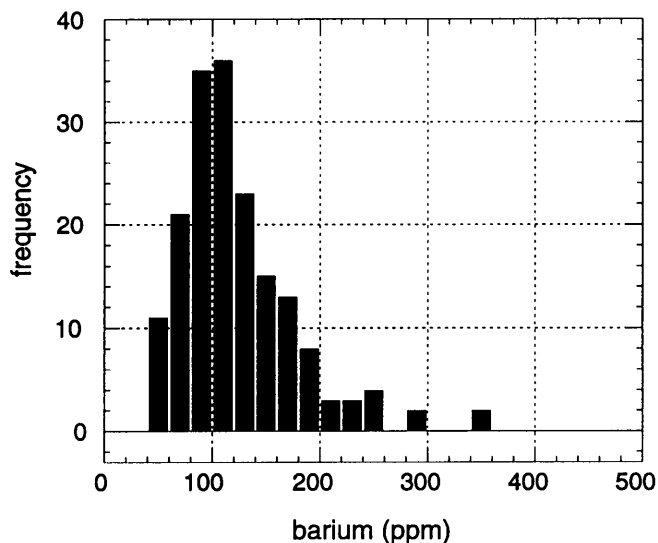
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

As

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Barium

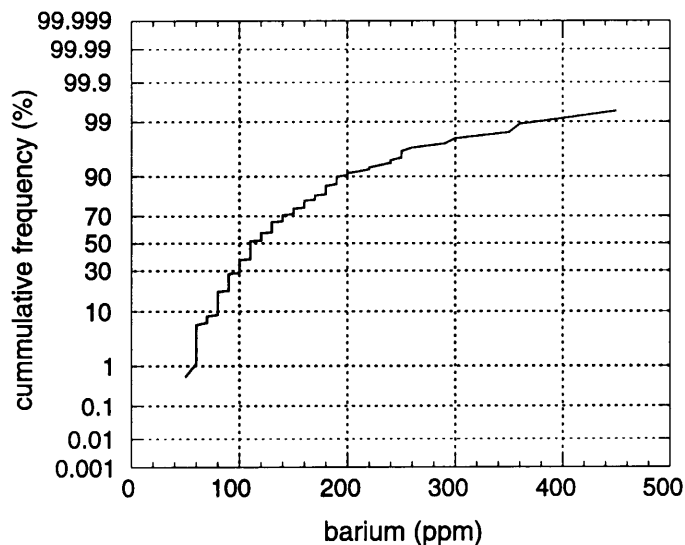
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 10 ppm

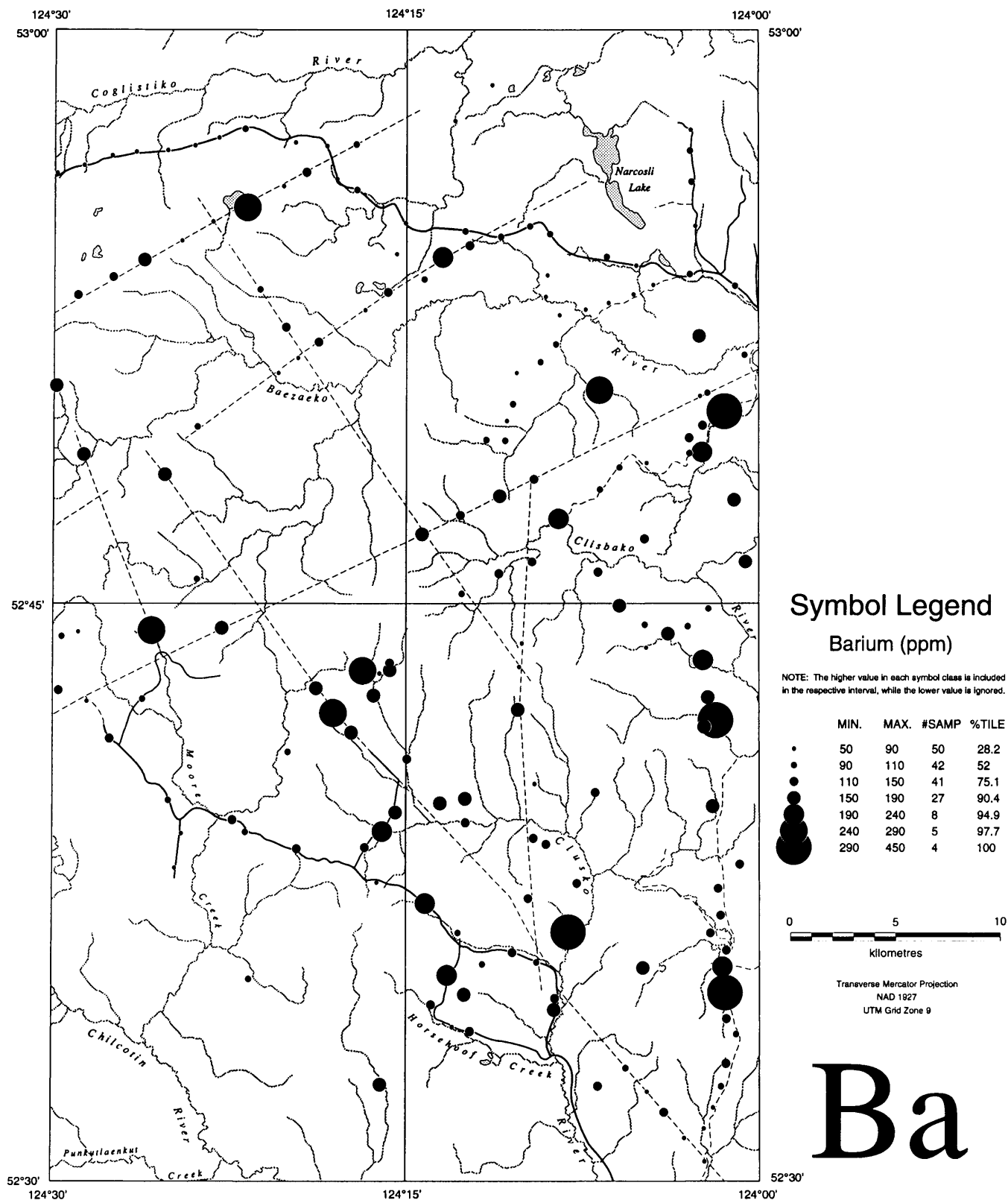
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 50
Maximum: 450
Mean: 130.2
Mode: 110
Median: 110
Lower quartile: 90
Upper quartile: 150
Standard deviation: 59.0
Coefficient of variation: 2.2

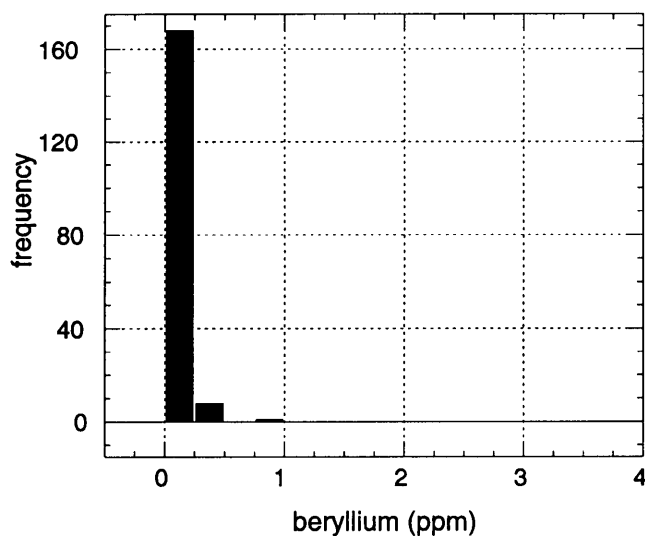
Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Beryllium

Frequency Histogram



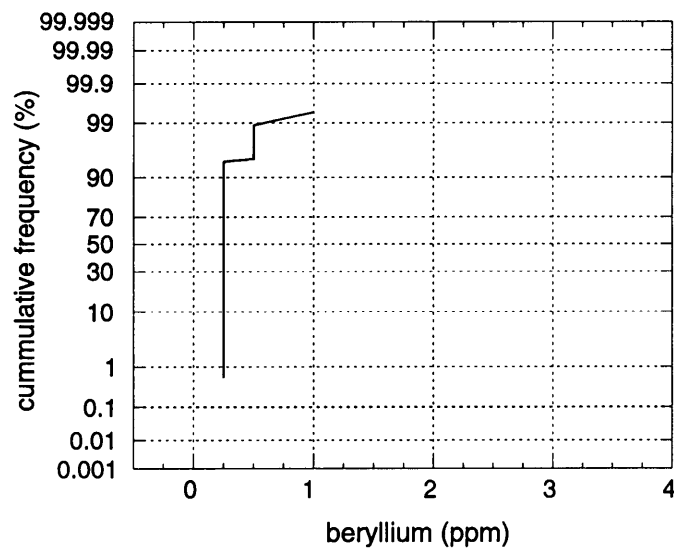
Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 0.5 ppm

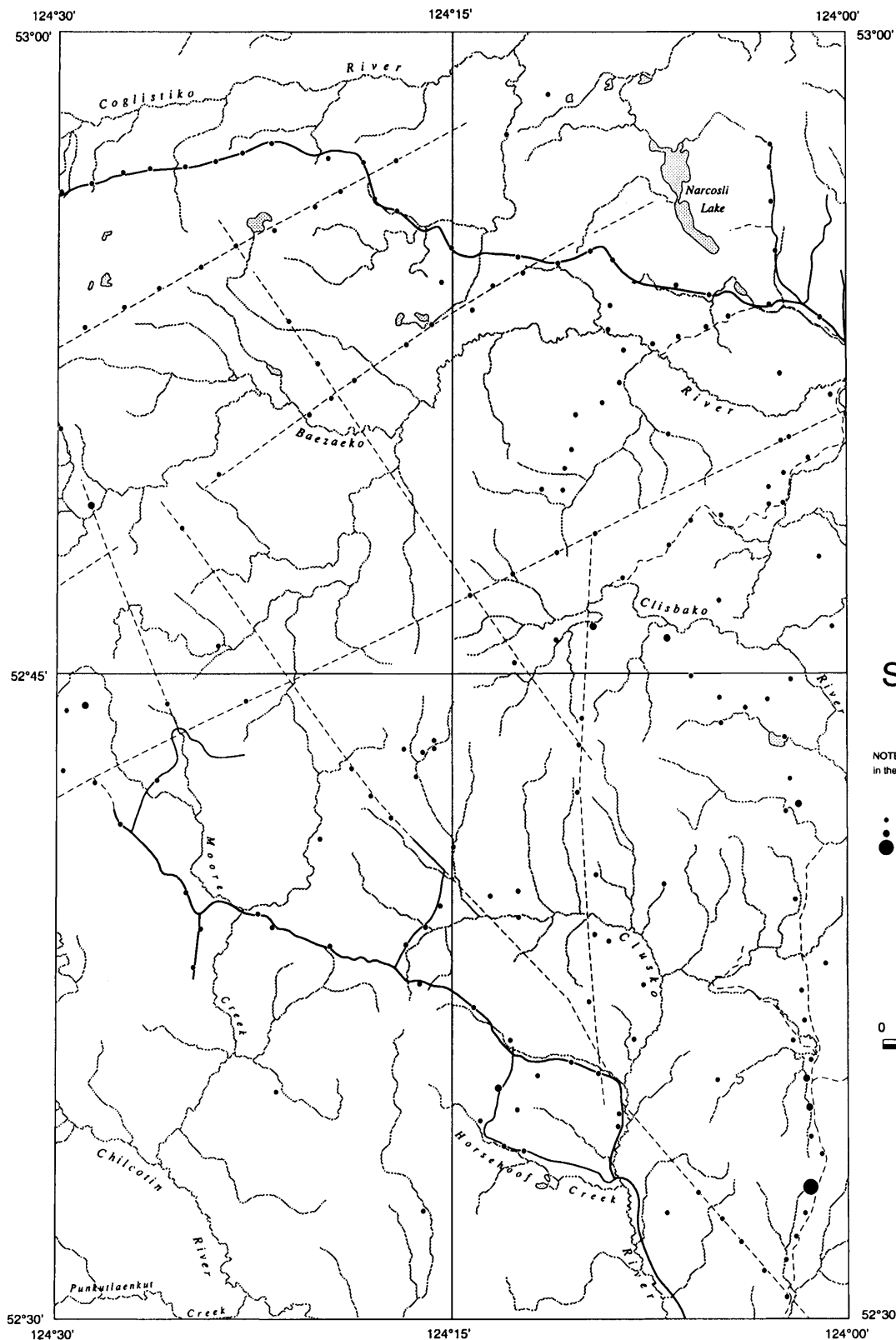
Summary Statistics

Number of samples: 177
Minimum: <0.5
Maximum: 1
Mean: 0.3
Mode: 0.25
Median: <0.5
Lower quartile: <0.5
Upper quartile: <0.5
Standard deviation: 0.1
Coefficient of variation: 3.0

Normal Probability Curve



Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Beryllium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

MIN.	MAX.	#SAMP	%TILE
0	.25	168	94.9
.25	.5	8	99.4
.5	1	1	100



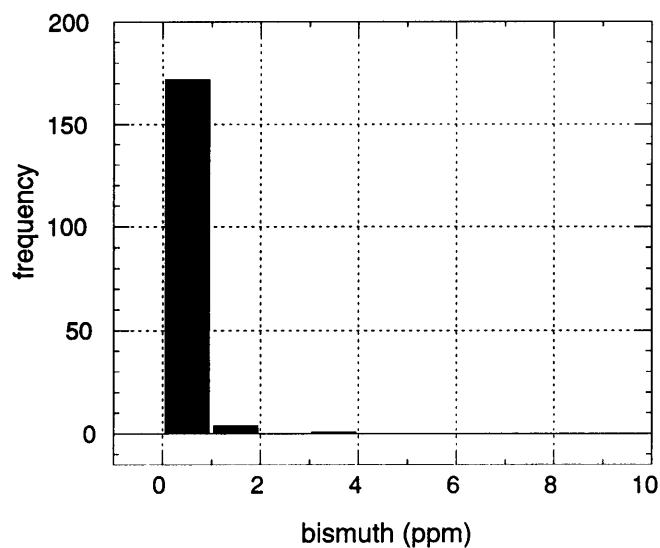
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Be

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Bismuth

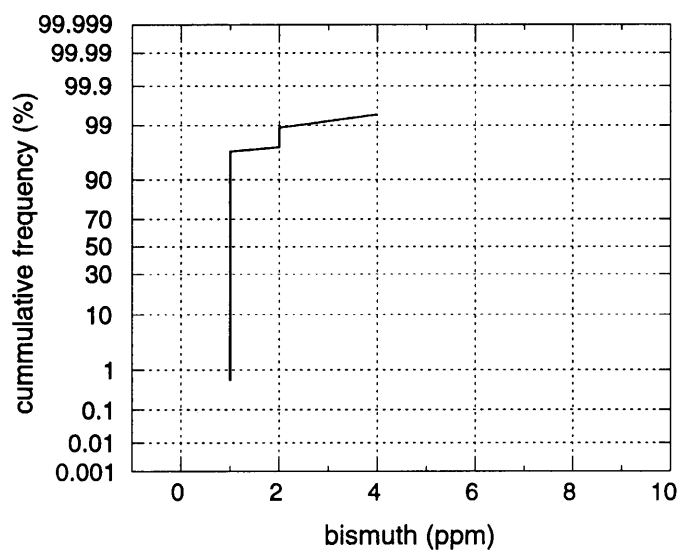
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 2 ppm

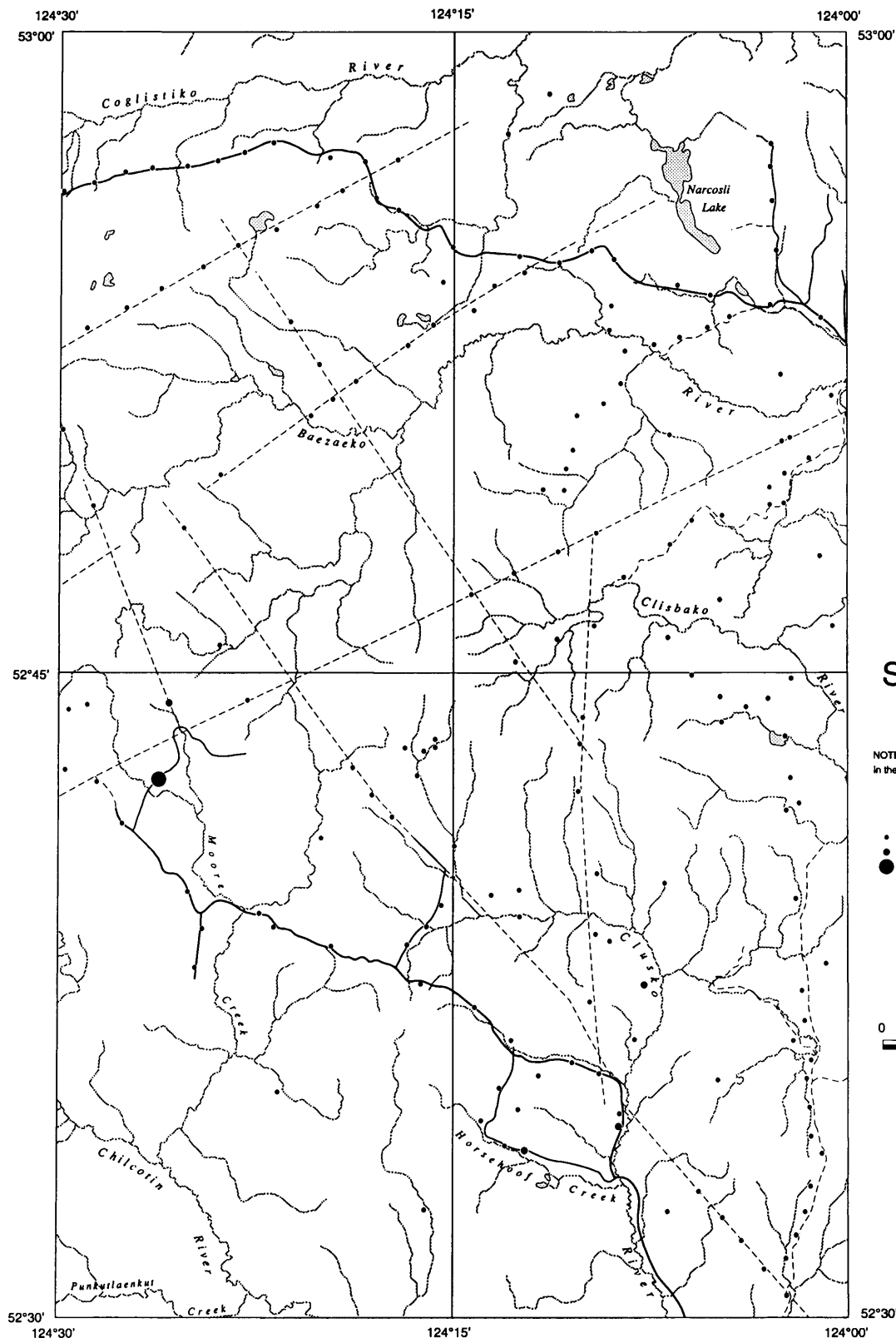
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: <2
Maximum: 4
Mean: 1.0
Mode: 1
Median: <2
Lower quartile: <2
Upper quartile: <2
Standard deviation: 0.3
Coefficient of variation: 3.3

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Bismuth (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	0	1	172	97.2
•	1	2	4	99.4
●	2	4	1	100



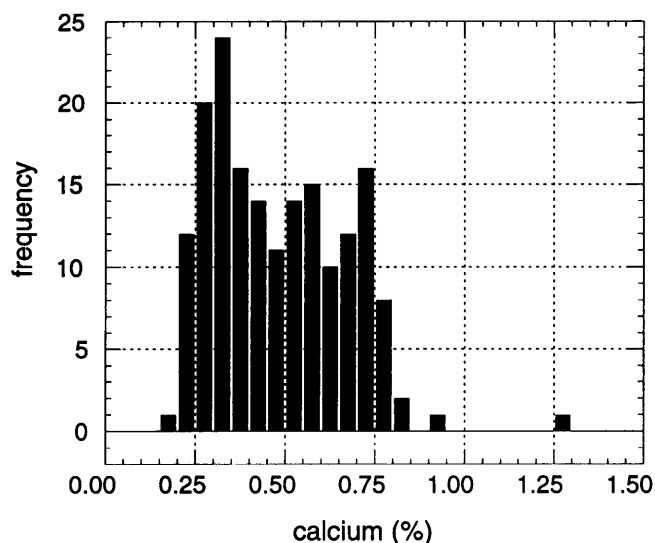
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Bi

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Calcium

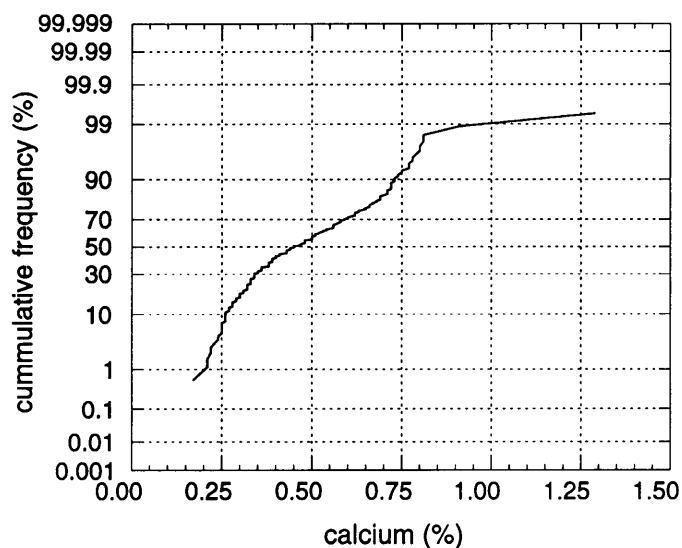
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 0.01 %

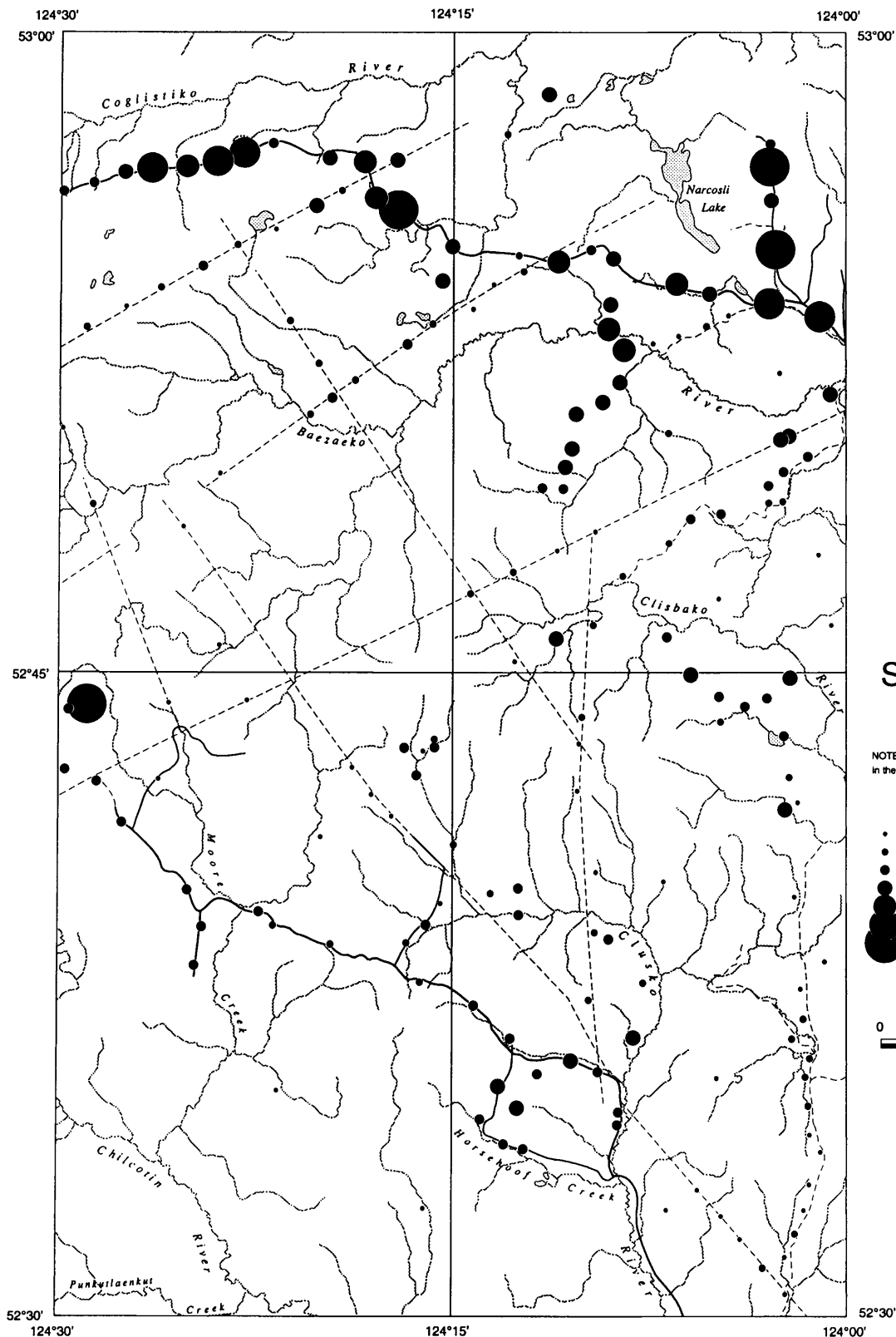
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 0.17
Maximum: 1.29
Mean: 0.48
Mode: 0.32
Median: 0.45
Lower quartile: 0.33
Upper quartile: 0.63
Standard deviation: 0.18
Coefficient of variation: 2.66

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Calcium (%)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	0.17	.33	48	27.1
•	.33	.45	42	50.8
•	.45	.63	44	75.7
•	.63	.73	27	91
•	.73	.77	7	94.9
•	.77	.8	5	97.7
•	.8	1.29	4	100



Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Ca

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Cadmium

Frequency Histogram

No Data Graphed.

Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 0.5 ppm

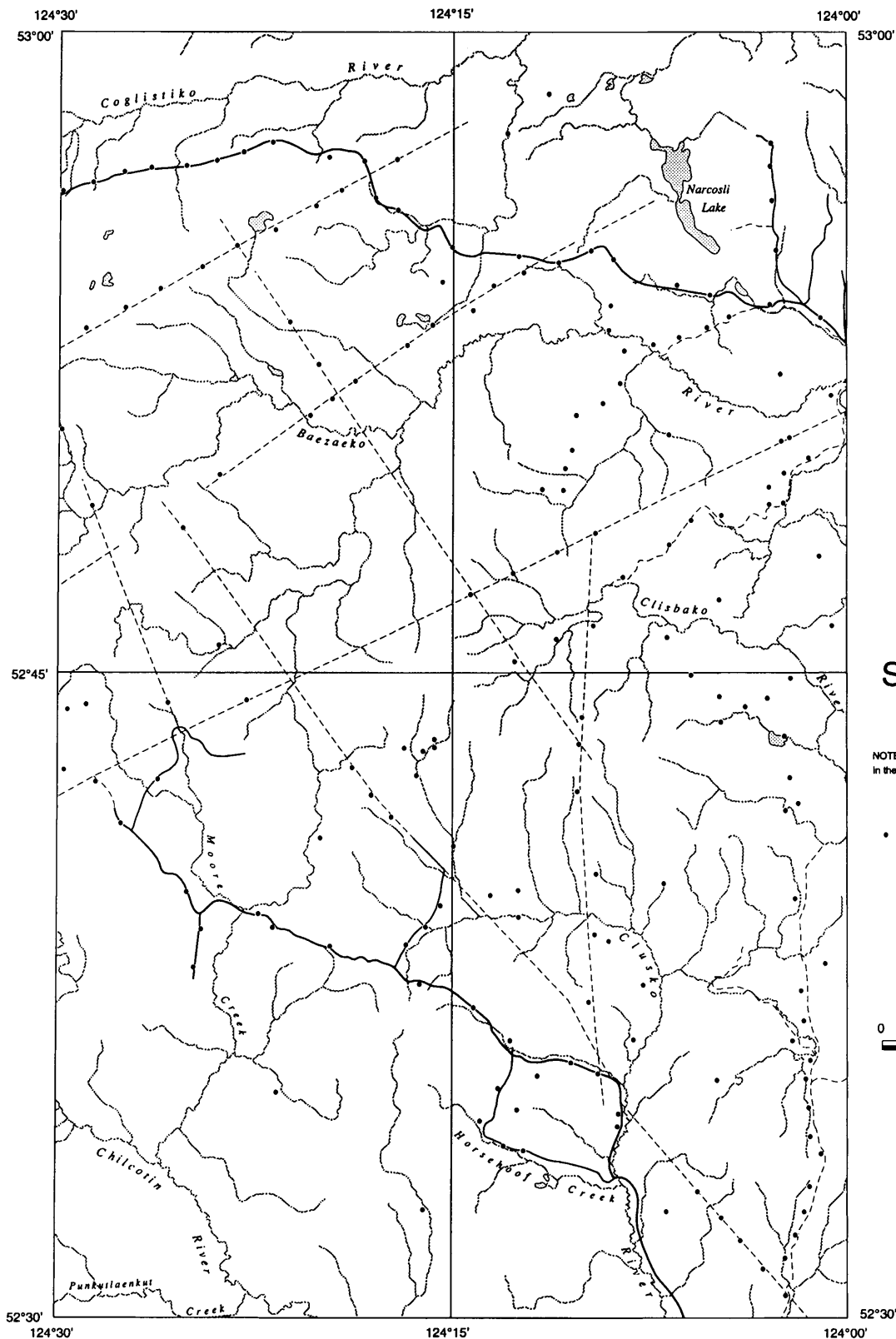
Normal Probability Curve

No Data Graphed.

Summary Statistics

Number of samples: 177
Minimum: <0.5
Maximum: <0.5
Mean: <0.5
Mode: <0.5
Median: <0.5
Lower quartile: 52.5
Upper quartile: <0.5
Standard deviation: 0
Coefficient of variation: 0

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Cadmium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

MIN.	MAX.	#SAMP	%TILE
.025	0.25	177	100



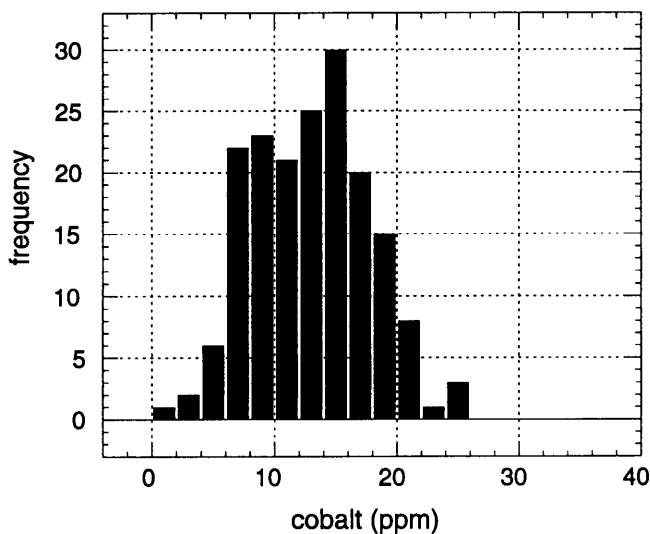
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Cd

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Cobalt

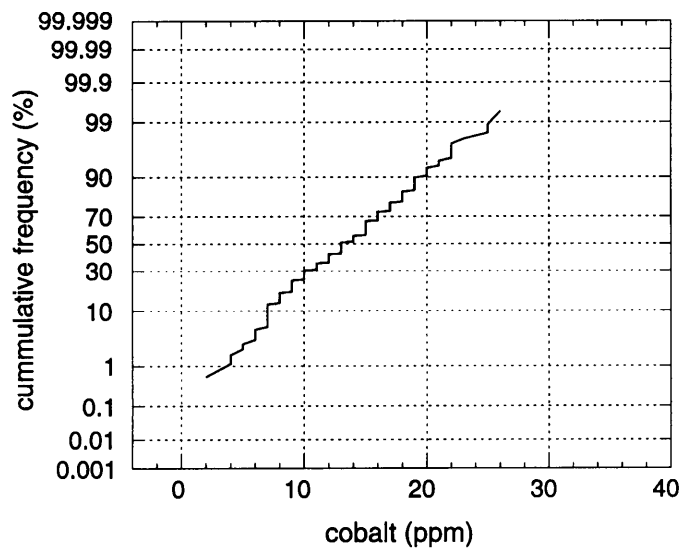
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 1 ppm

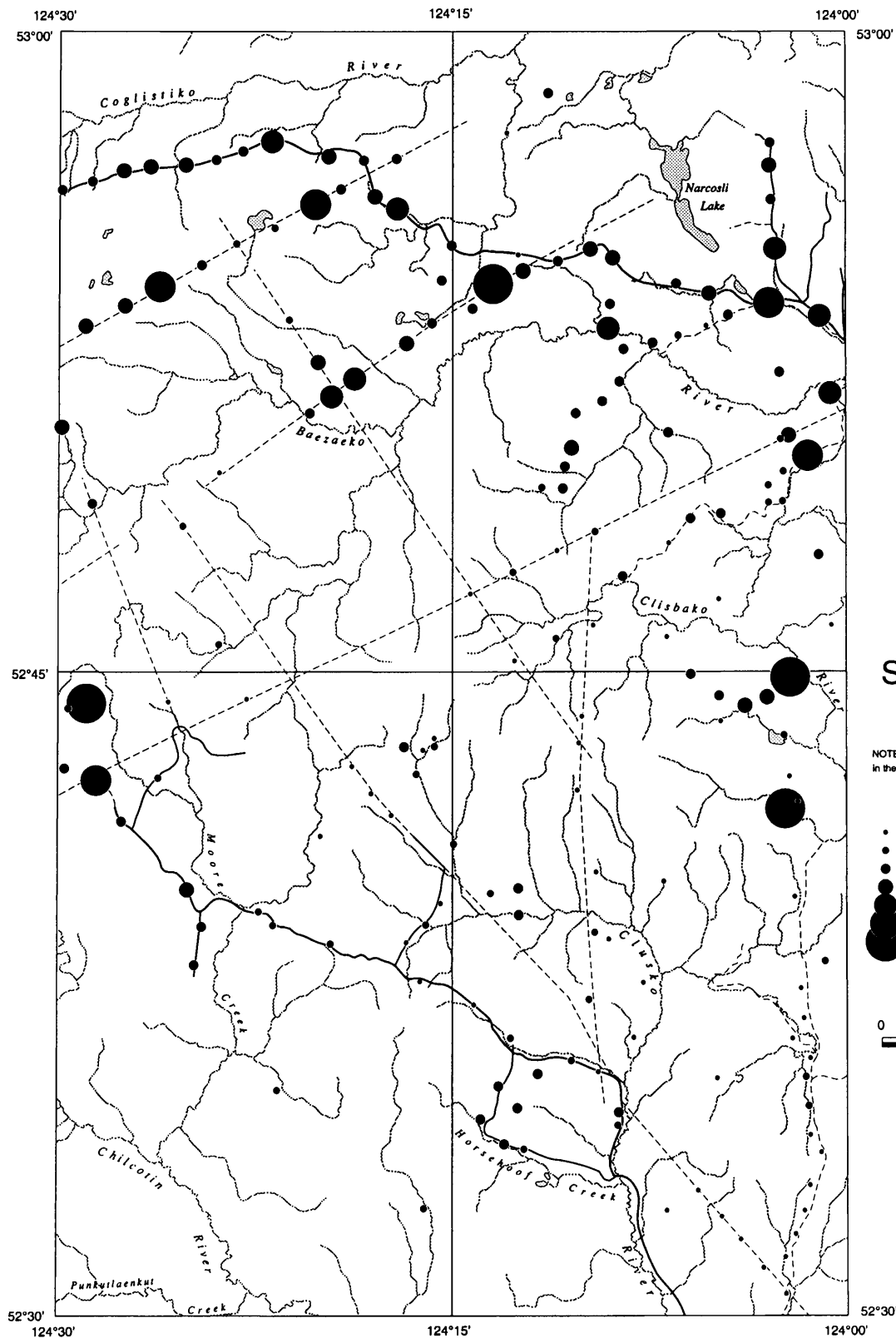
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 2
Maximum: 26
Mean: 13.4
Mode: 15
Median: 13
Lower quartile: 10
Upper quartile: 17
Standard deviation: 4.7
Coefficient of variation: 2.9

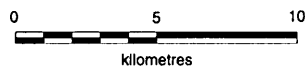
Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Cobalt (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	2	10	54	30.5
•	10	13	37	51.4
•	13	17	49	79.1
•	17	19	20	90.4
•	19	21	8	94.9
•	21	22	5	97.7
•	22	26	4	100



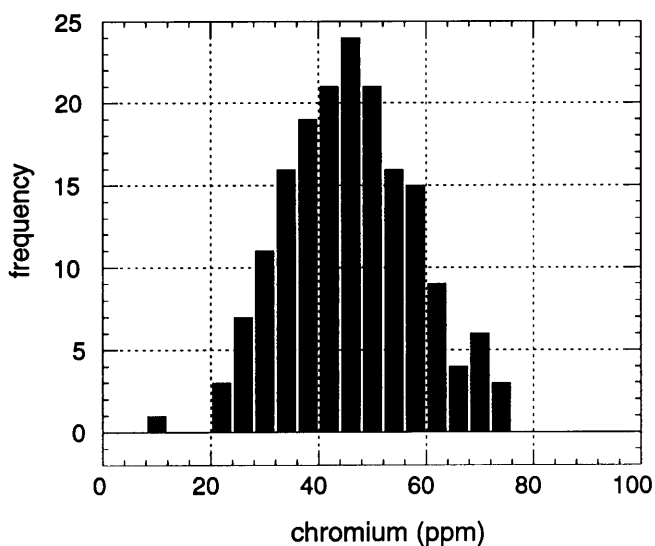
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Co

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Chromium

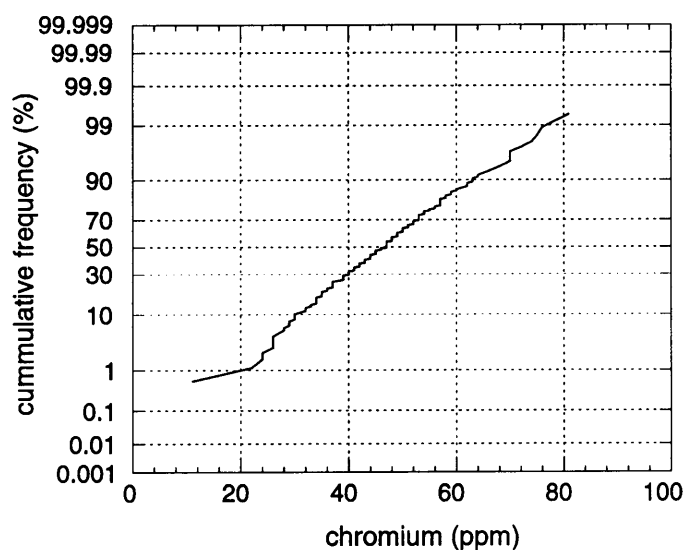
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 1 ppm

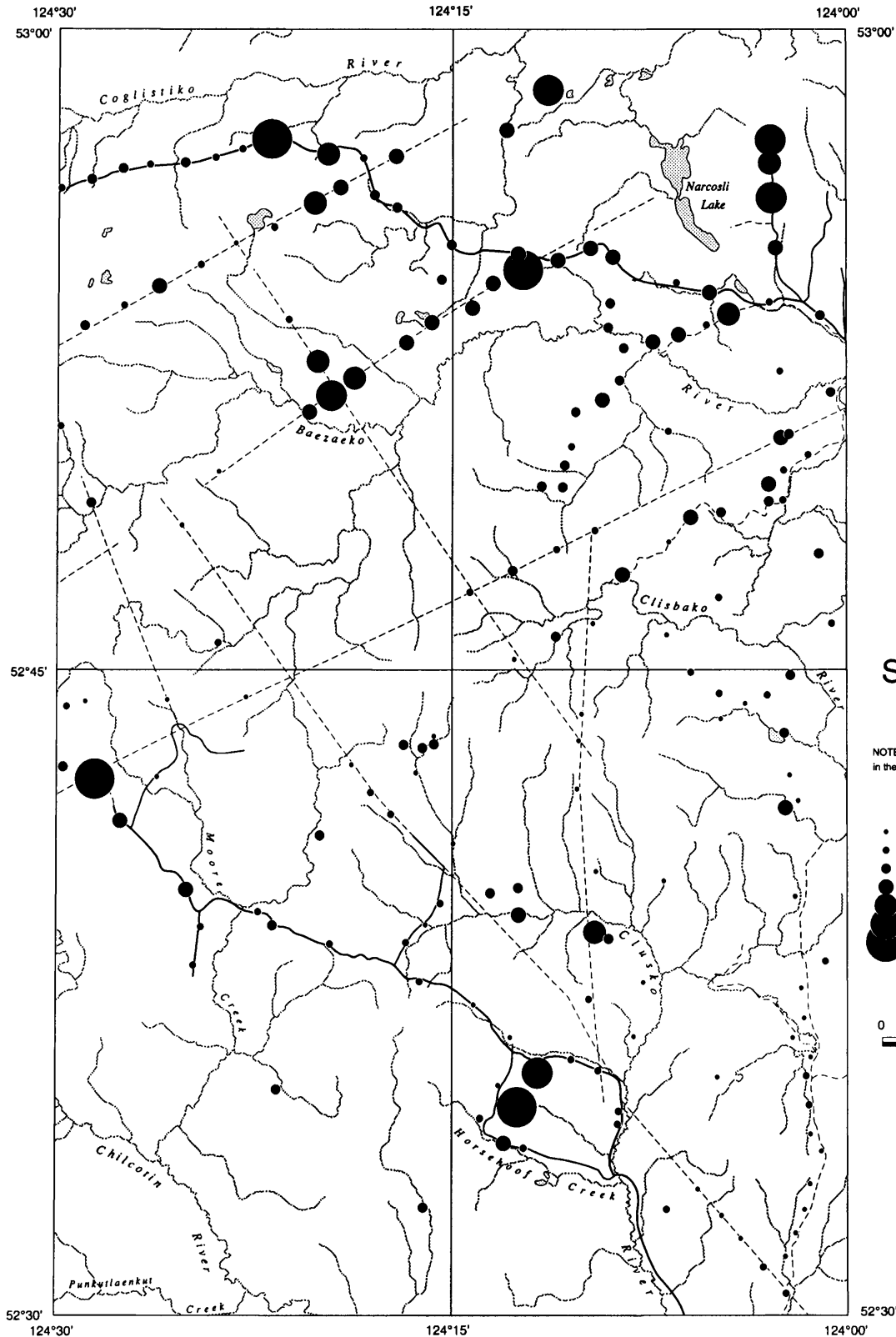
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 11
Maximum: 81
Mean: 46.6
Mode: 47
Median: 47
Lower quartile: 37
Upper quartile: 54
Standard deviation: 12.3
Coefficient of variation: 3.8

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Chromium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	11	37	45	25.4
•	37	47	51	54.2
•	47	54	38	75.7
•	54	63	27	91
•	63	69	7	94.9
•	69	72	5	97.7
•	72	81	4	100



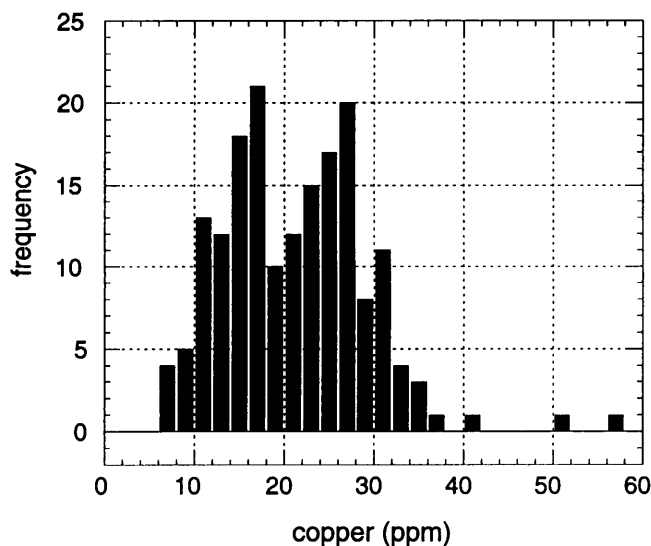
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Cr

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Copper

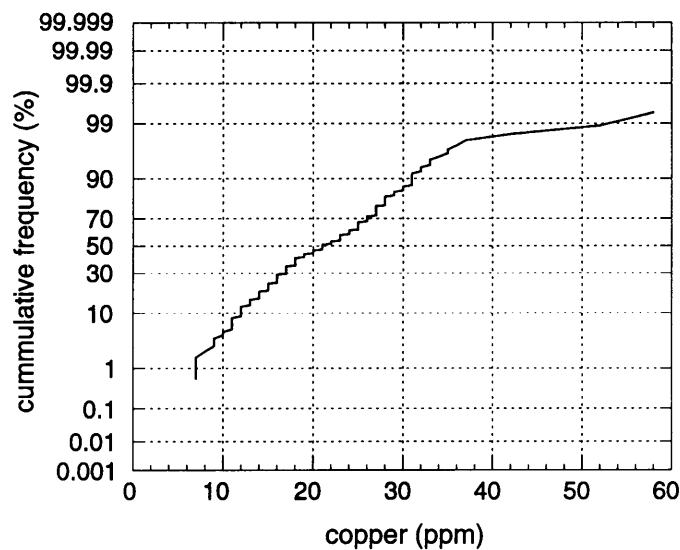
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 1 ppm

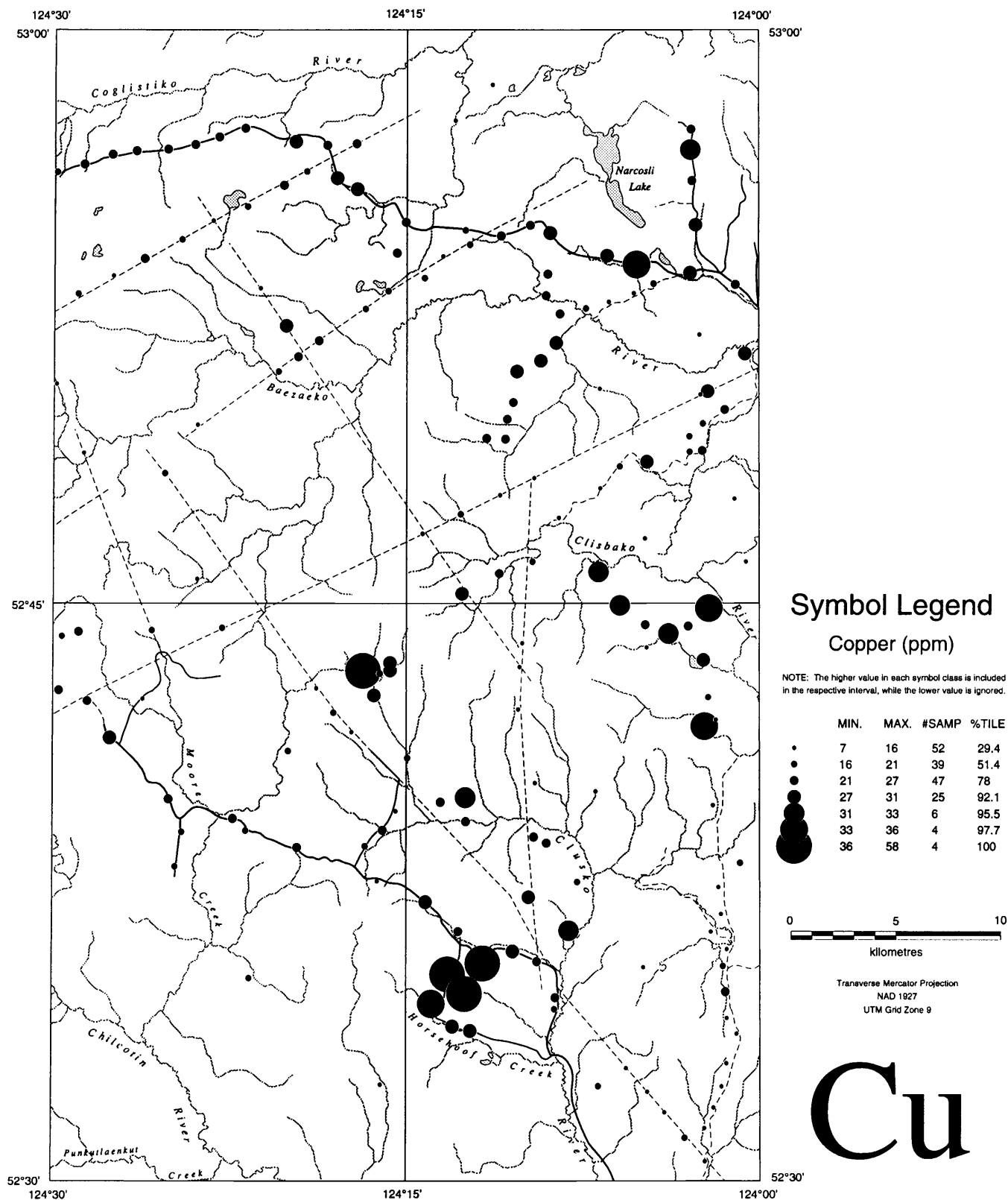
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 7
Maximum: 58
Mean: 21.6
Mode: 27
Median: 21
Lower quartile: 16
Upper quartile: 27
Standard deviation: 8.0
Coefficient of variation: 2.7

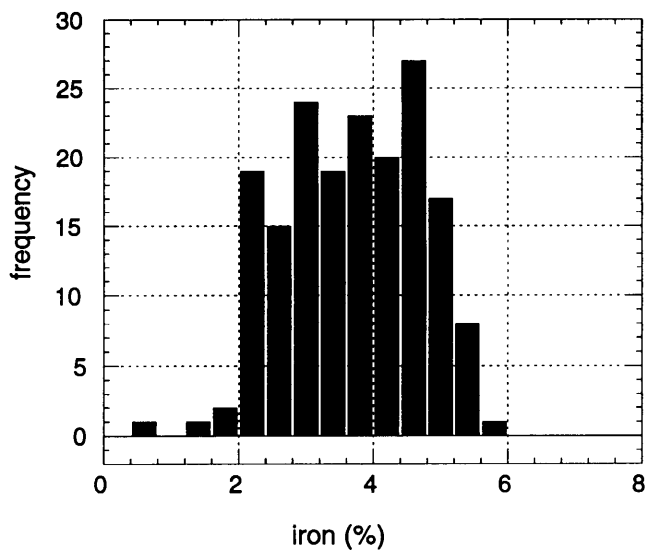
Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Iron

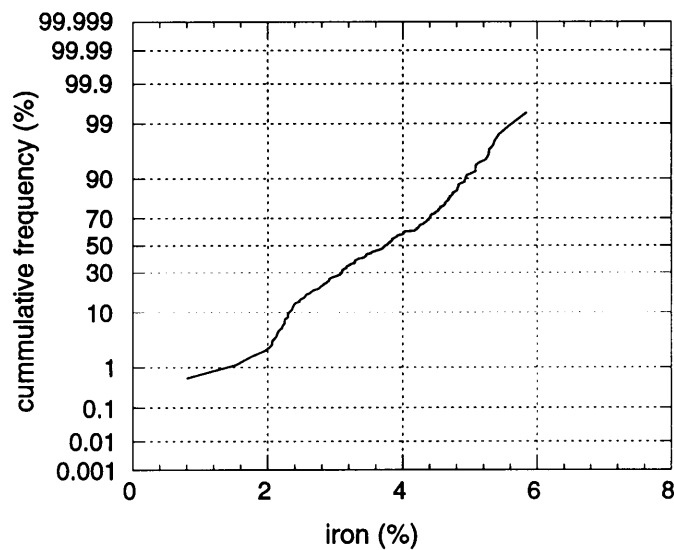
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 0.01 %

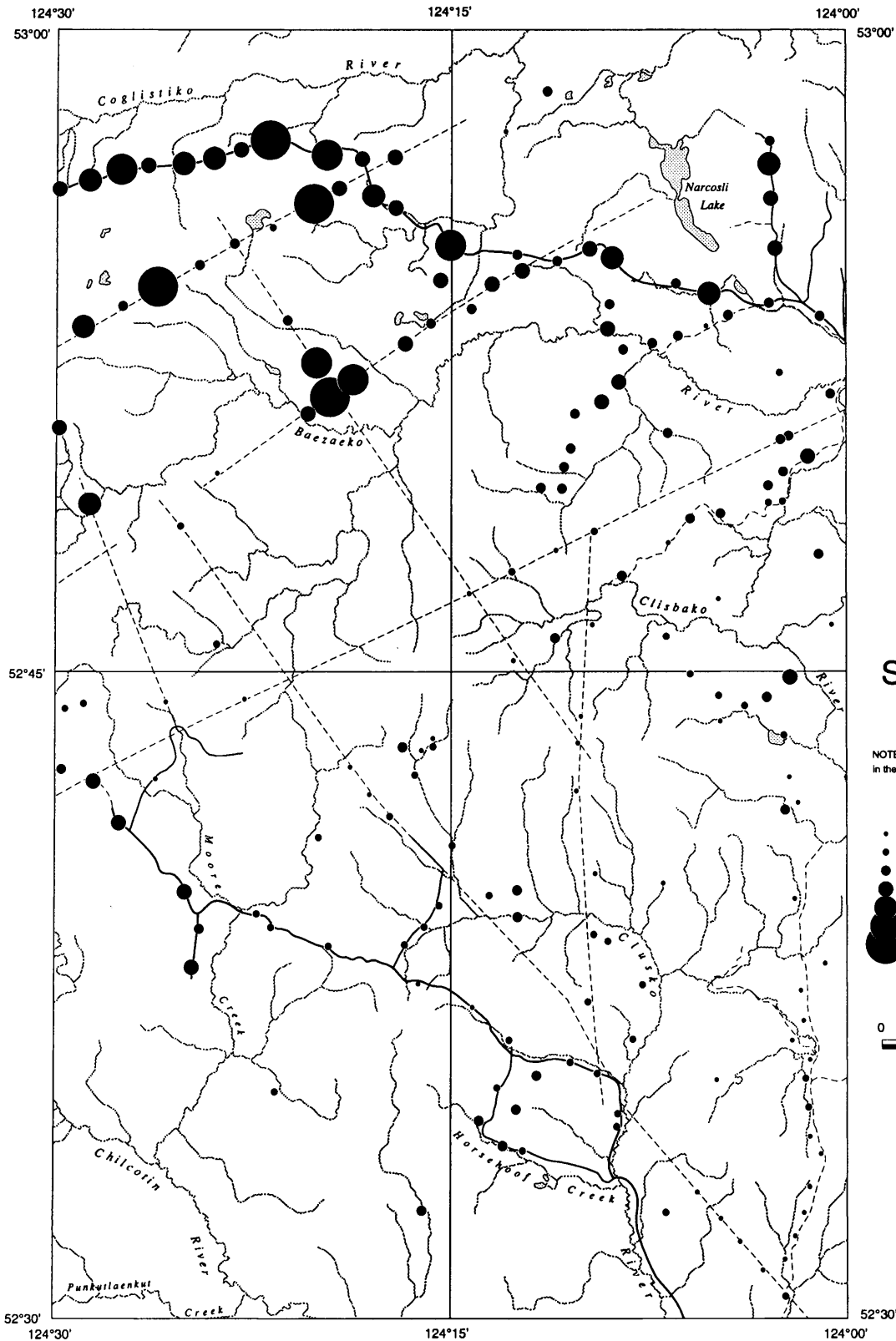
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 0.8
Maximum: 5.84
Mean: 3.69
Mode: 2.30
Median: 3.74
Lower quartile: 2.91
Upper quartile: 4.53
Standard deviation: 0.99
Coefficient of variation: 3.73

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Iron (%)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	0.8	2.9	44	24.9
•	2.9	3.73	44	49.7
•	3.73	4.53	46	75.7
•	4.53	4.92	25	89.8
•	4.92	5.14	9	94.9
•	5.14	5.34	5	97.7
•	5.34	5.84	4	100



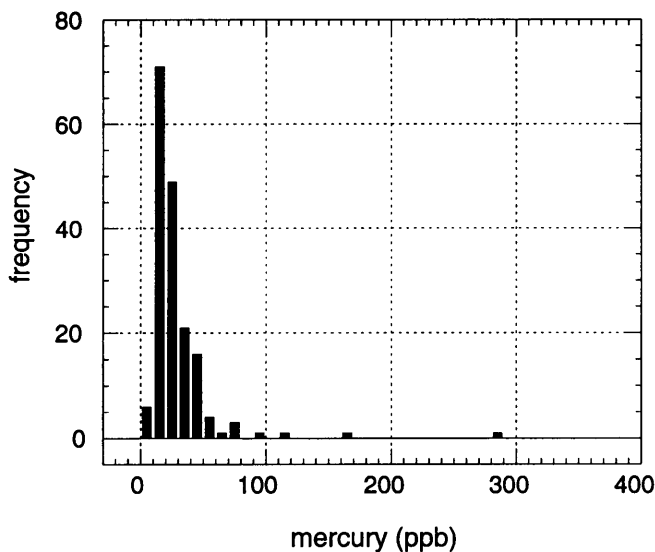
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Fe

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Mercury

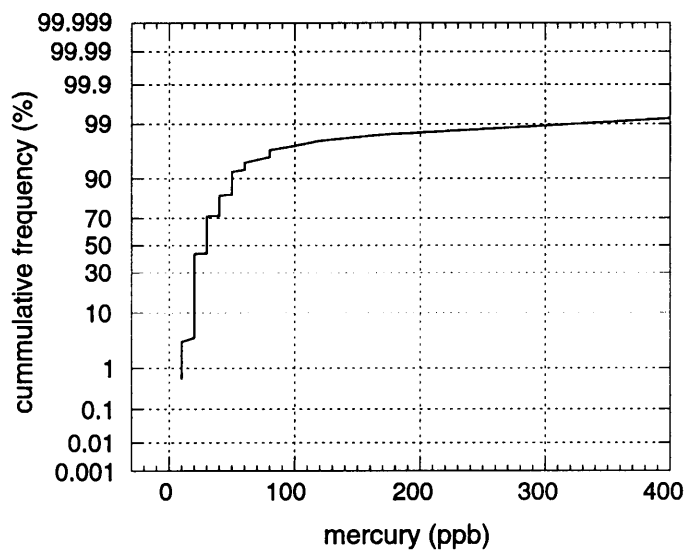
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 10 ppb

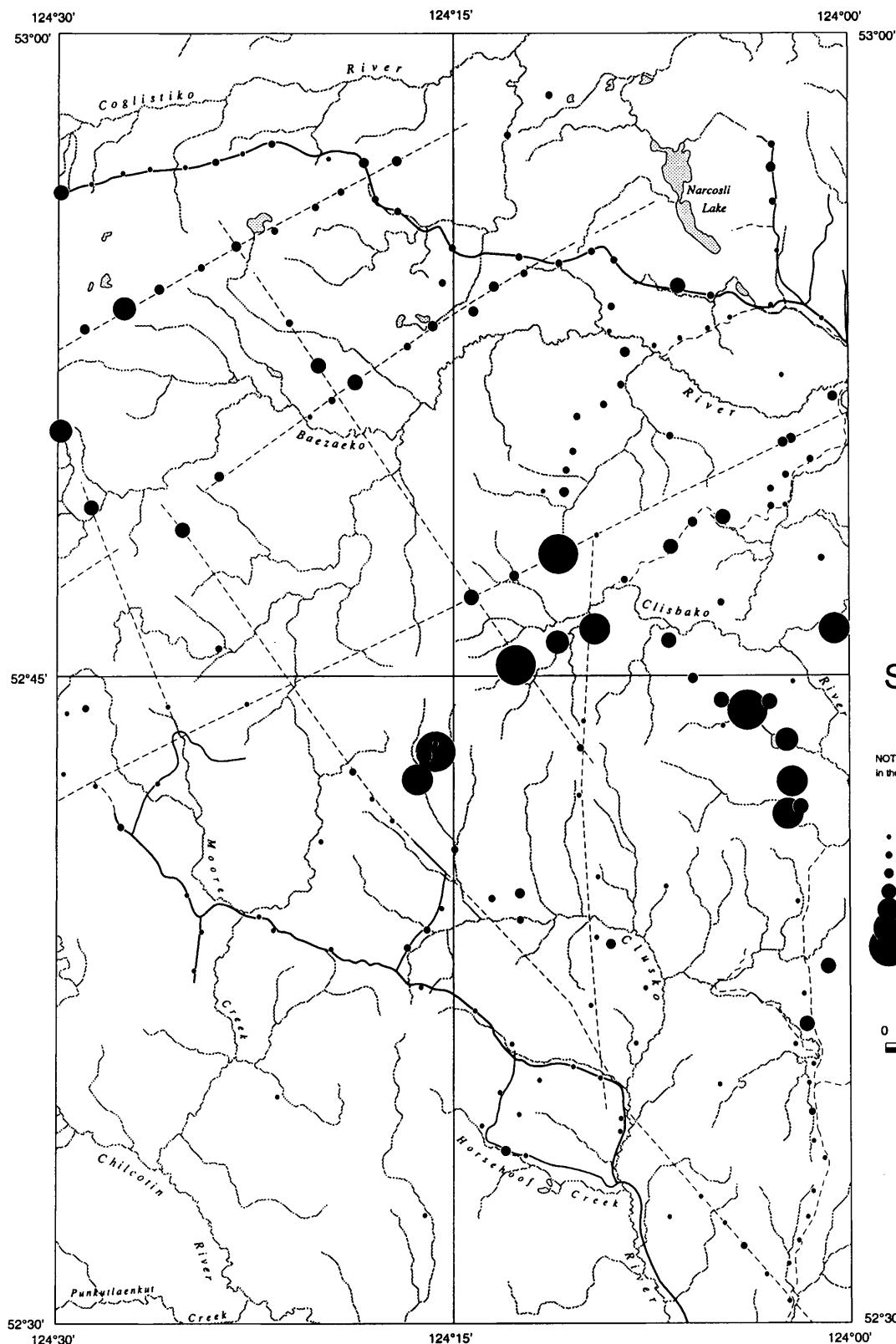
Normal Probability Curve



Summary Statistics

Number of samples: 176
Minimum: 10
Maximum: 470
Mean: 35.7
Mode: 20
Median: 30
Lower quartile: 20
Upper quartile: 40
Standard deviation: 42.7
Coefficient of variation: 0.8

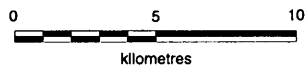
Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Mercury (ppb)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	10	20	77	43.8
•	20	30	49	71.6
•	30	40	21	83.5
•	40	50	16	92.6
•	50	60	4	94.9
•	60	100	5	97.7
•	100	470	4	100



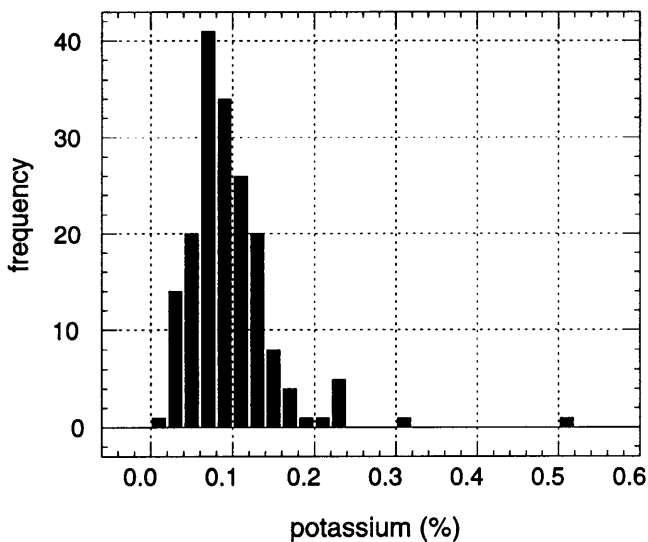
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Hg

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Potassium

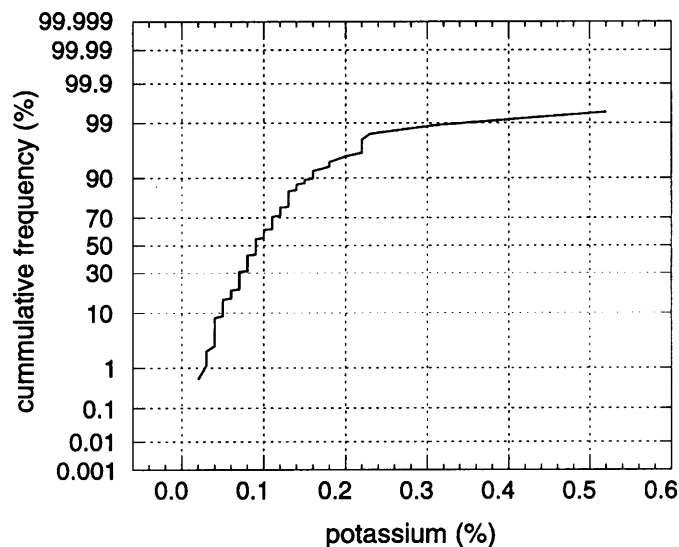
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 0.01 %

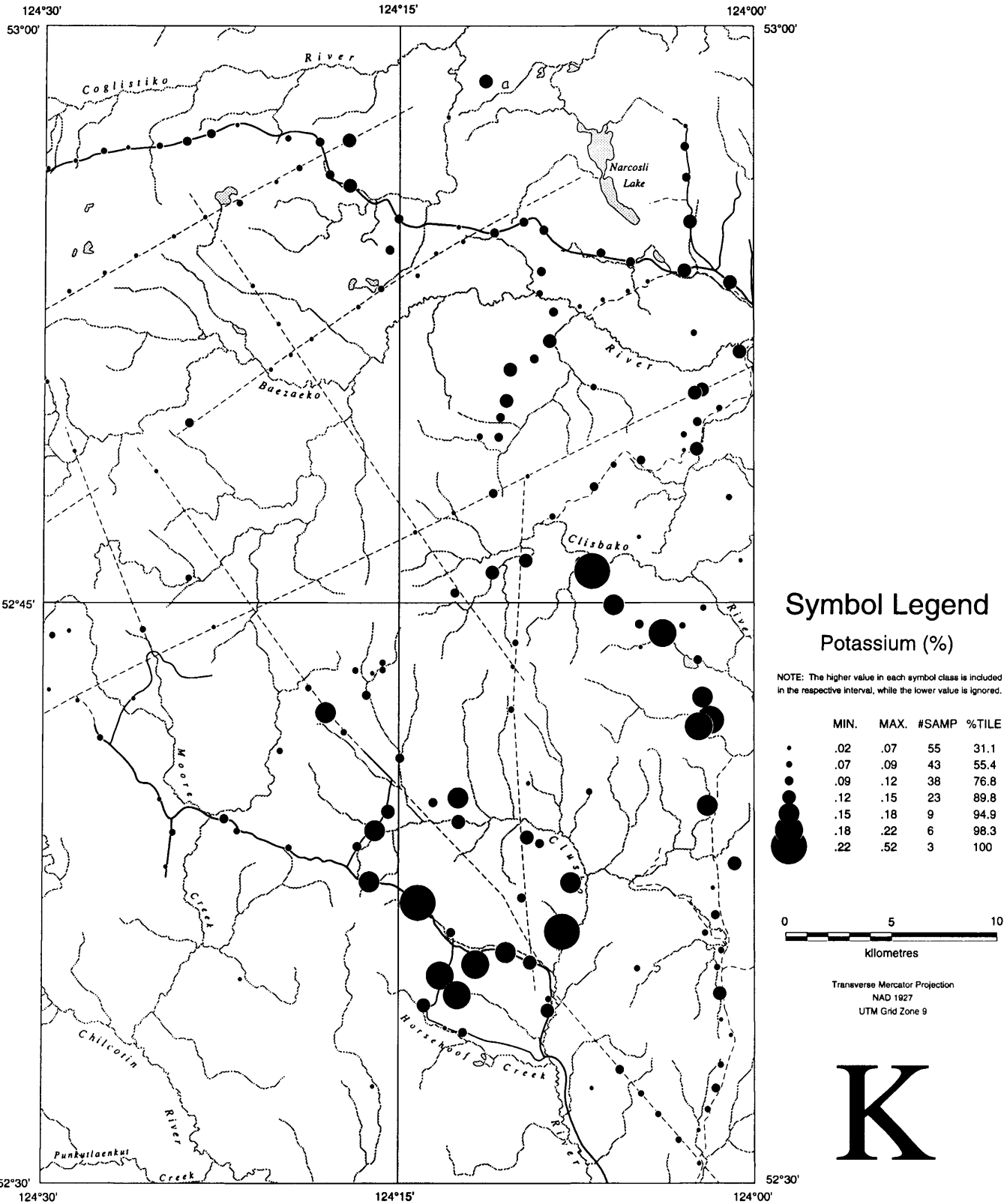
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 0.02
Maximum: 0.52
Mean: 0.10
Mode: 0.09
Median: 0.09
Lower quartile: 0.07
Upper quartile: 0.12
Standard deviation: 0.05
Coefficient of variation: 2.00

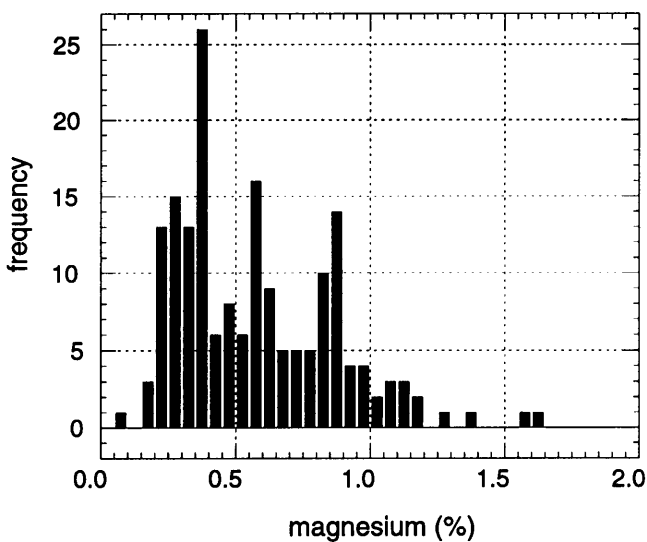
Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Magnesium

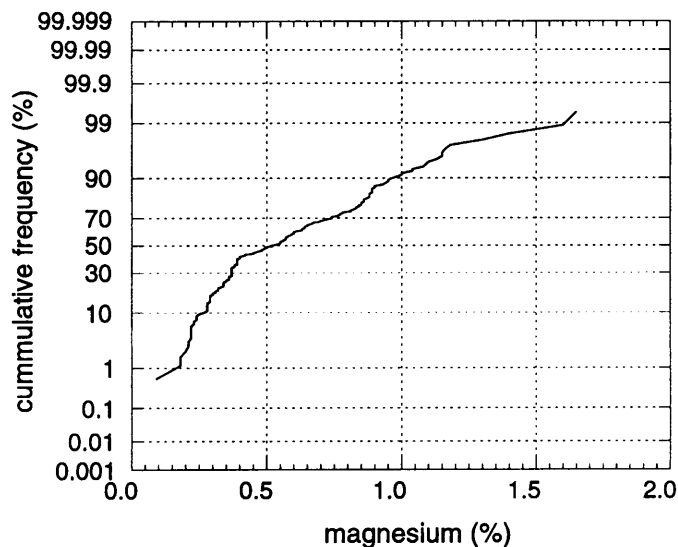
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 0.01 %

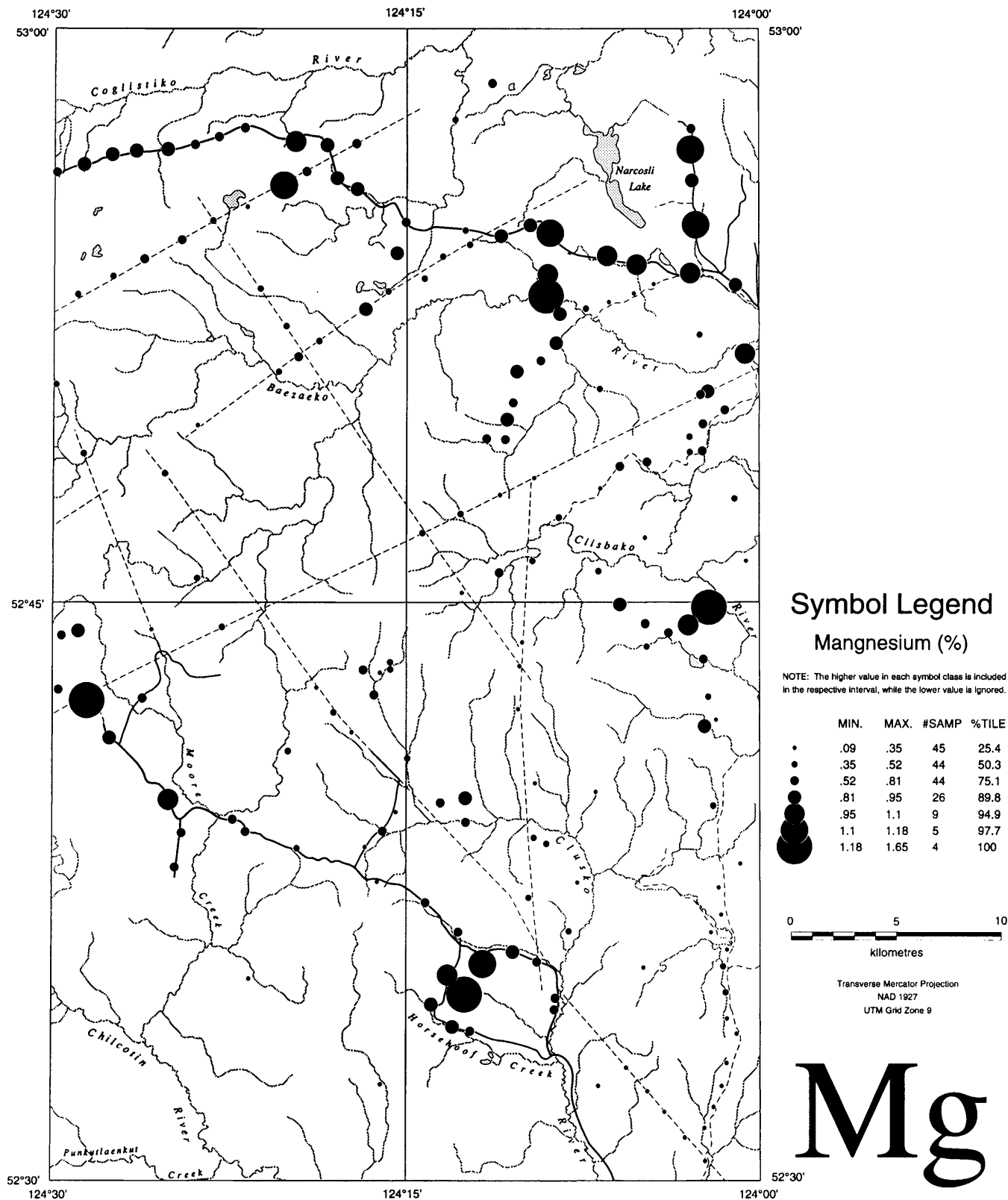
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 0.09
Maximum: 1.65
Mean: 0.58
Mode: 0.37
Median: 0.52
Lower quartile: 0.35
Upper quartile: 0.81
Standard deviation: 0.30
Coefficient of variation: 1.93

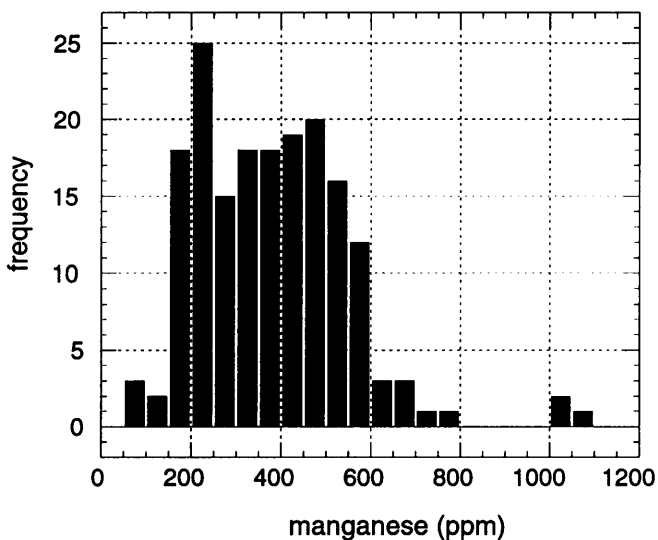
Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Manganese

Frequency Histogram



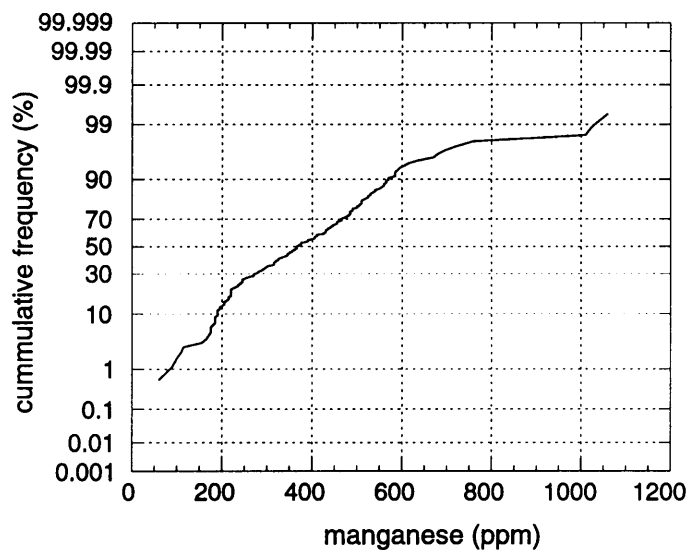
Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 5 ppm

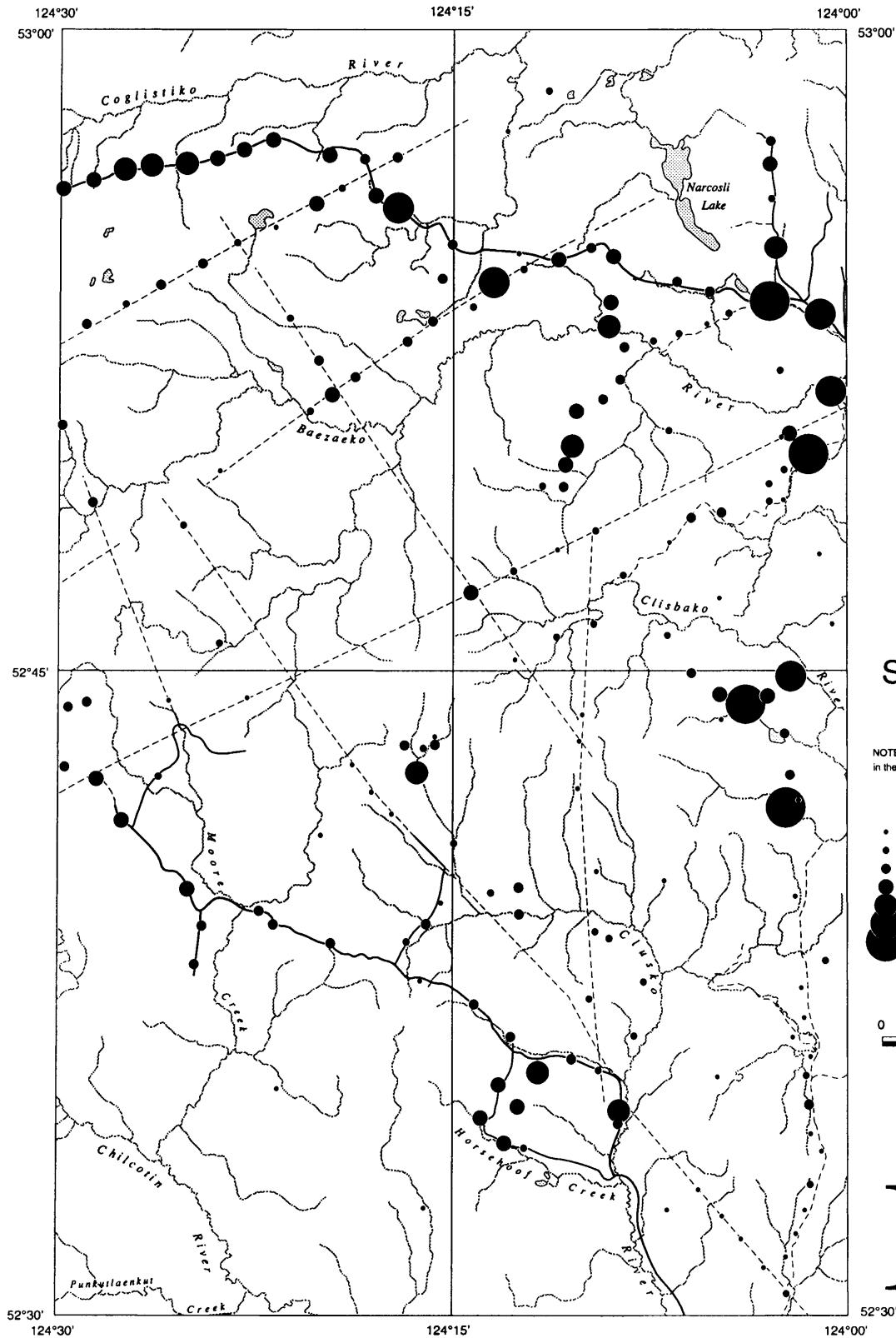
Summary Statistics

Number of samples: 177
Minimum: 60
Maximum: 1060
Mean: 382
Mode: 220
Median: 365
Lower quartile: 245
Upper quartile: 485
Standard deviation: 167
Coefficient of variation: 2.3

Normal Probability Curve



NTS 93C/09 and 93C/16



Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Molybdenum

Frequency Histogram

No Data Graphed.

Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 1 ppm

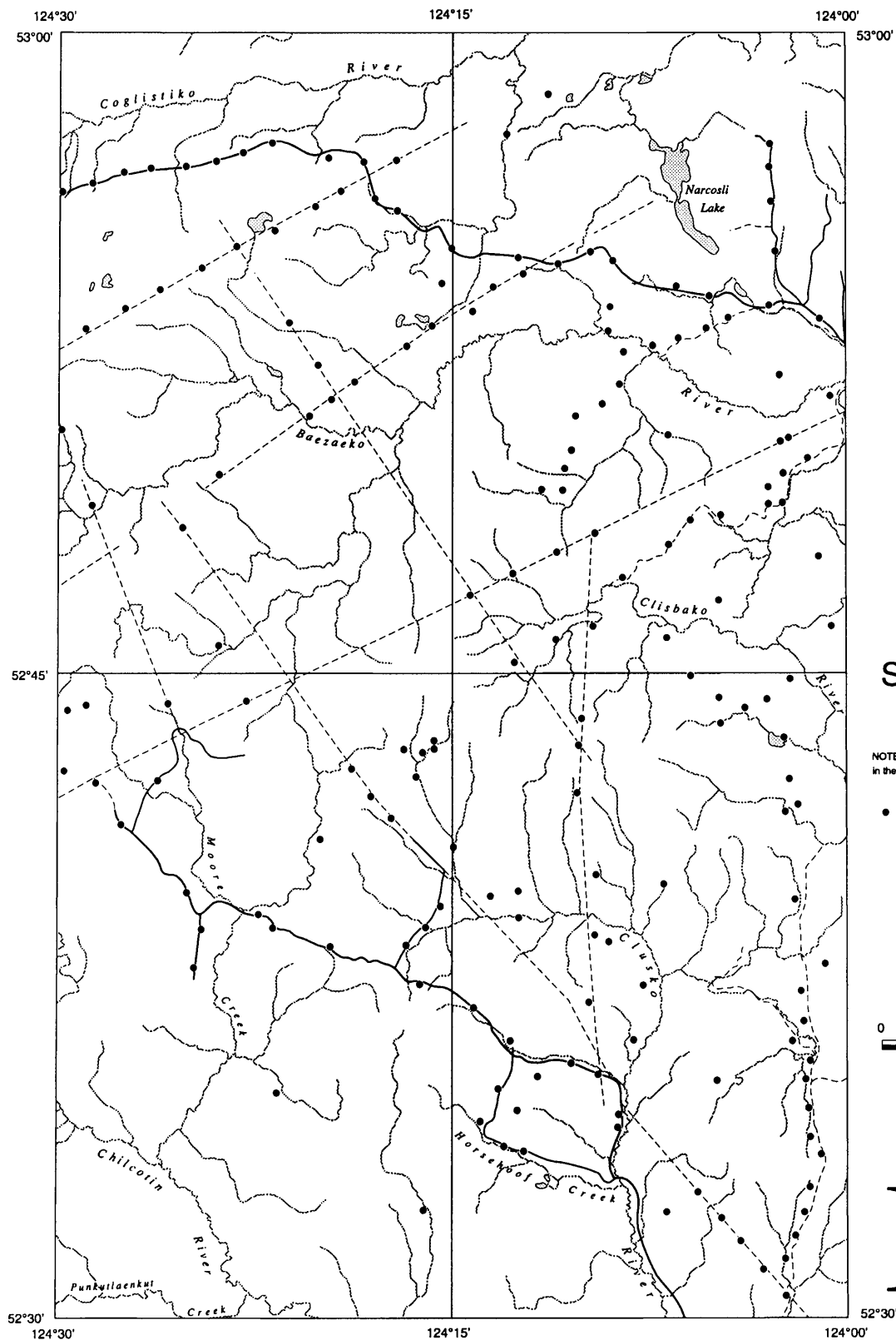
Normal Probability Curve

No Data Graphed.

Summary Statistics

Number of samples: 177
Minimum: 1
Maximum: 1
Mean: 1
Mode: 1
Median: 1
Lower quartile: 1
Upper quartile: 1
Standard deviation: 0
Coefficient of variation: 0

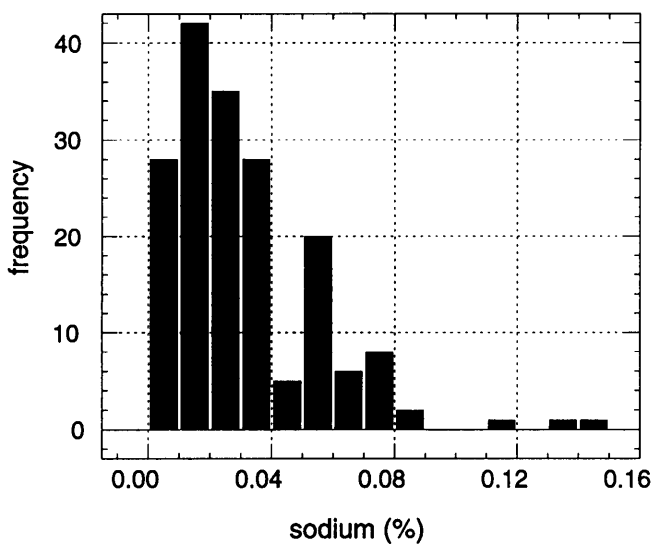
Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Sodium

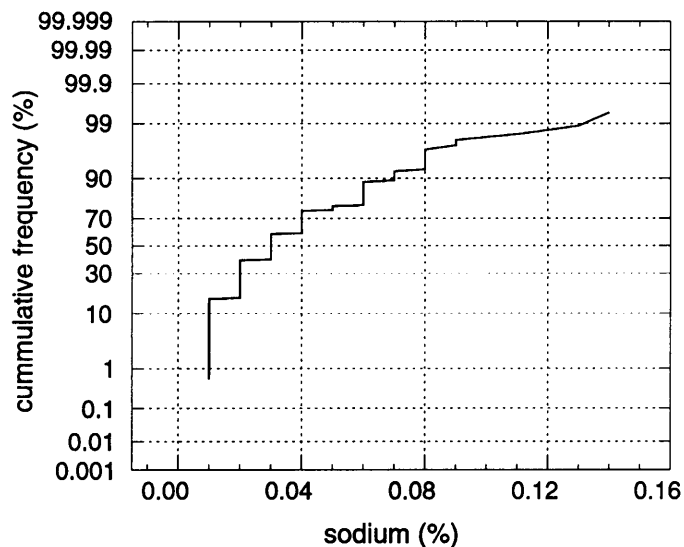
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 0.01 %

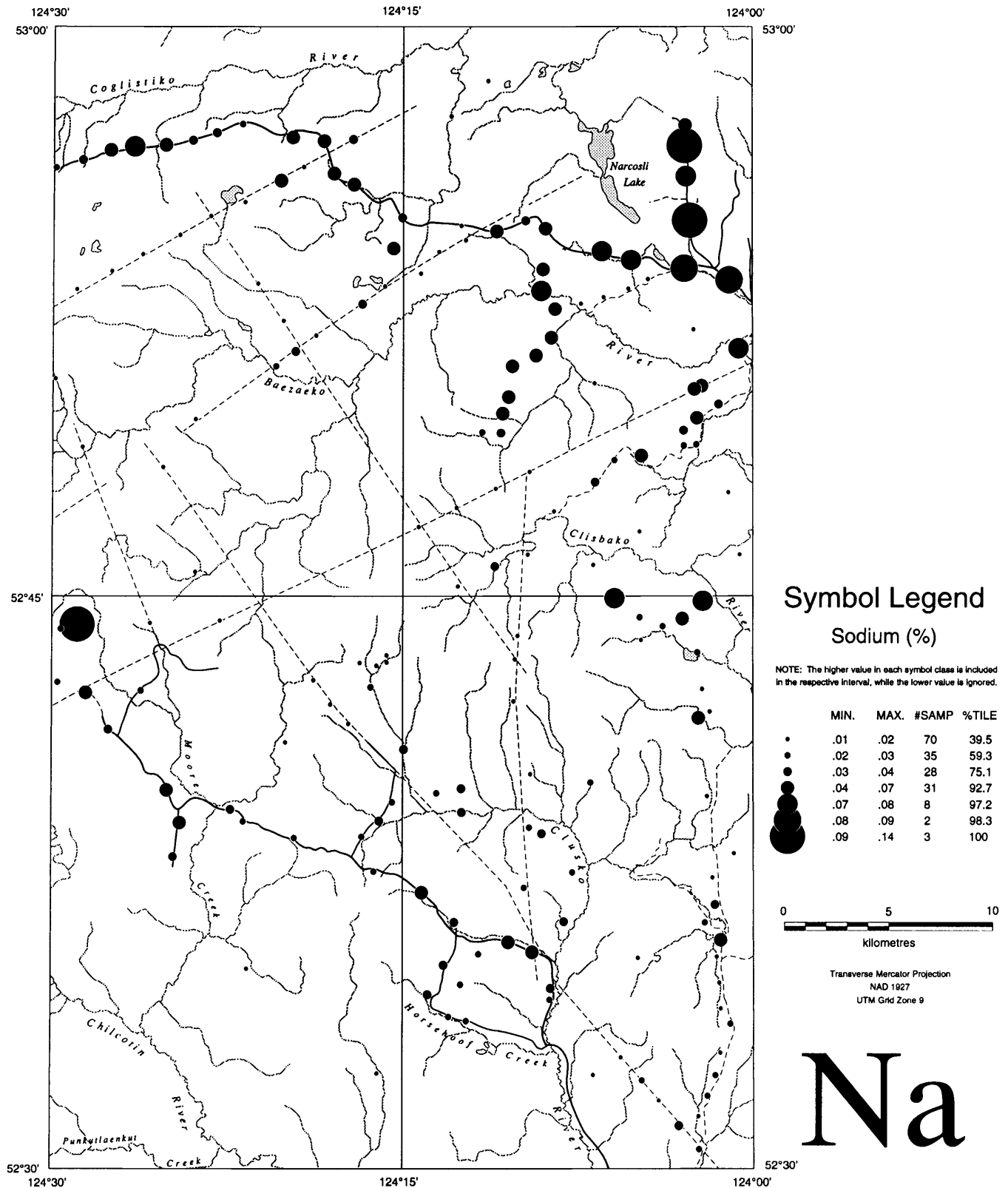
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 0.01
Maximum: 0.14
Mean: 0.04
Mode: 0.02
Median: 0.03
Lower quartile: 0.02
Upper quartile: 0.04
Standard deviation: 0.02
Coefficient of variation: 2.0

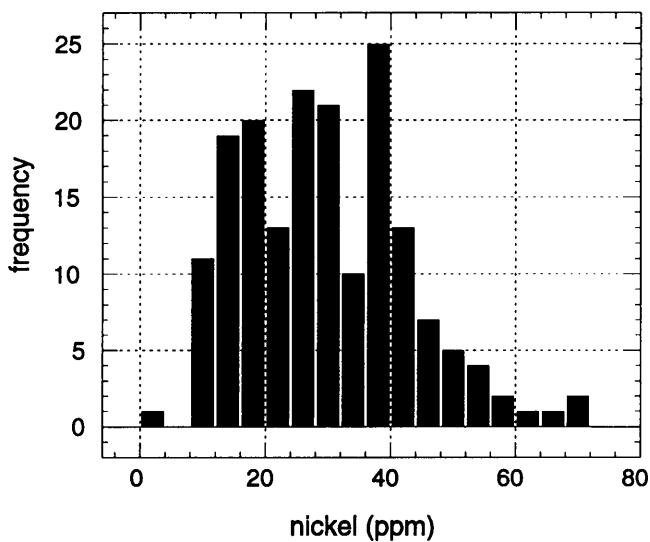
Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Nickel

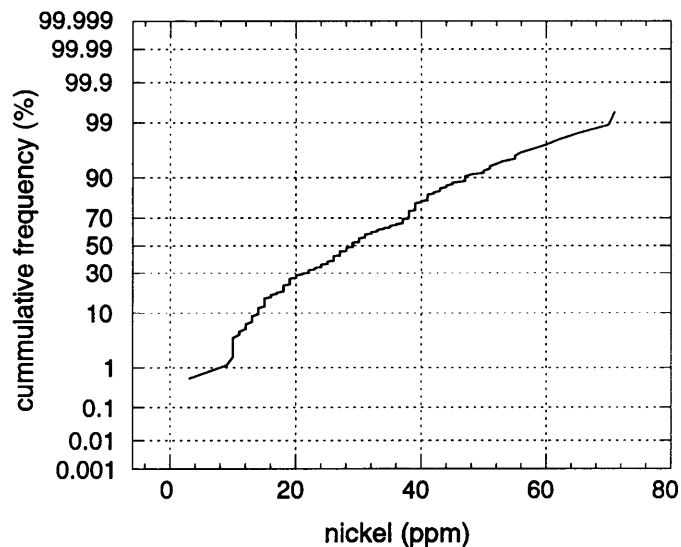
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 1 ppm

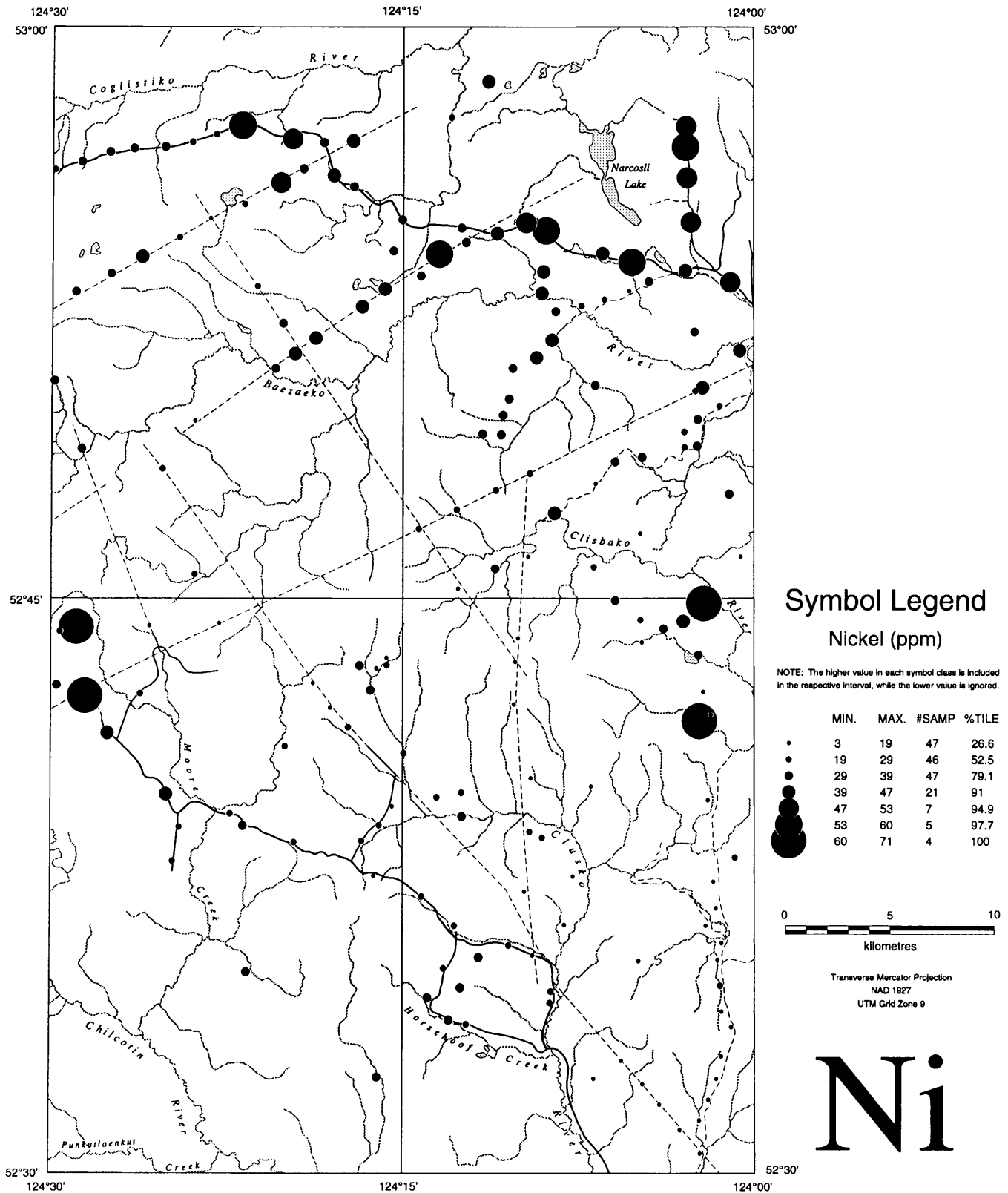
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 3
Maximum: 71
Mean: 30.0
Mode: 38
Median: 29
Lower quartile: 19
Upper quartile: 39
Standard deviation: 13.2
Coefficient of variation: 2.3

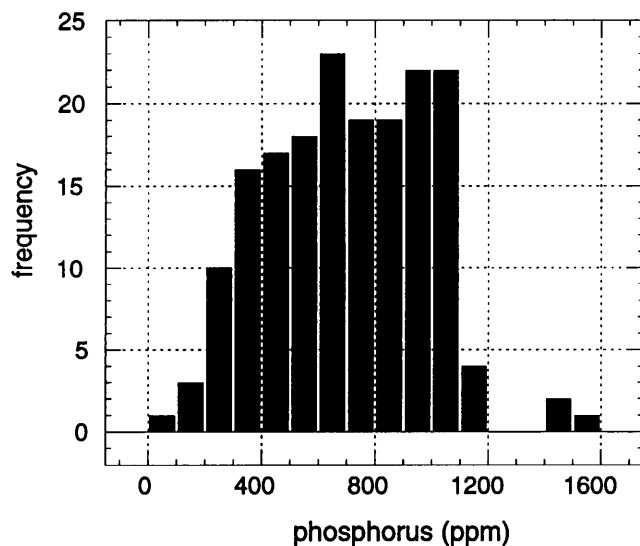
Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Phosphorus

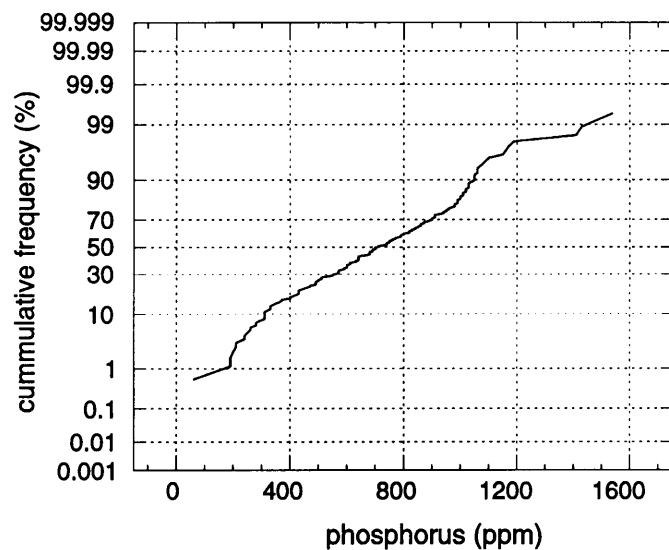
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 10 ppm

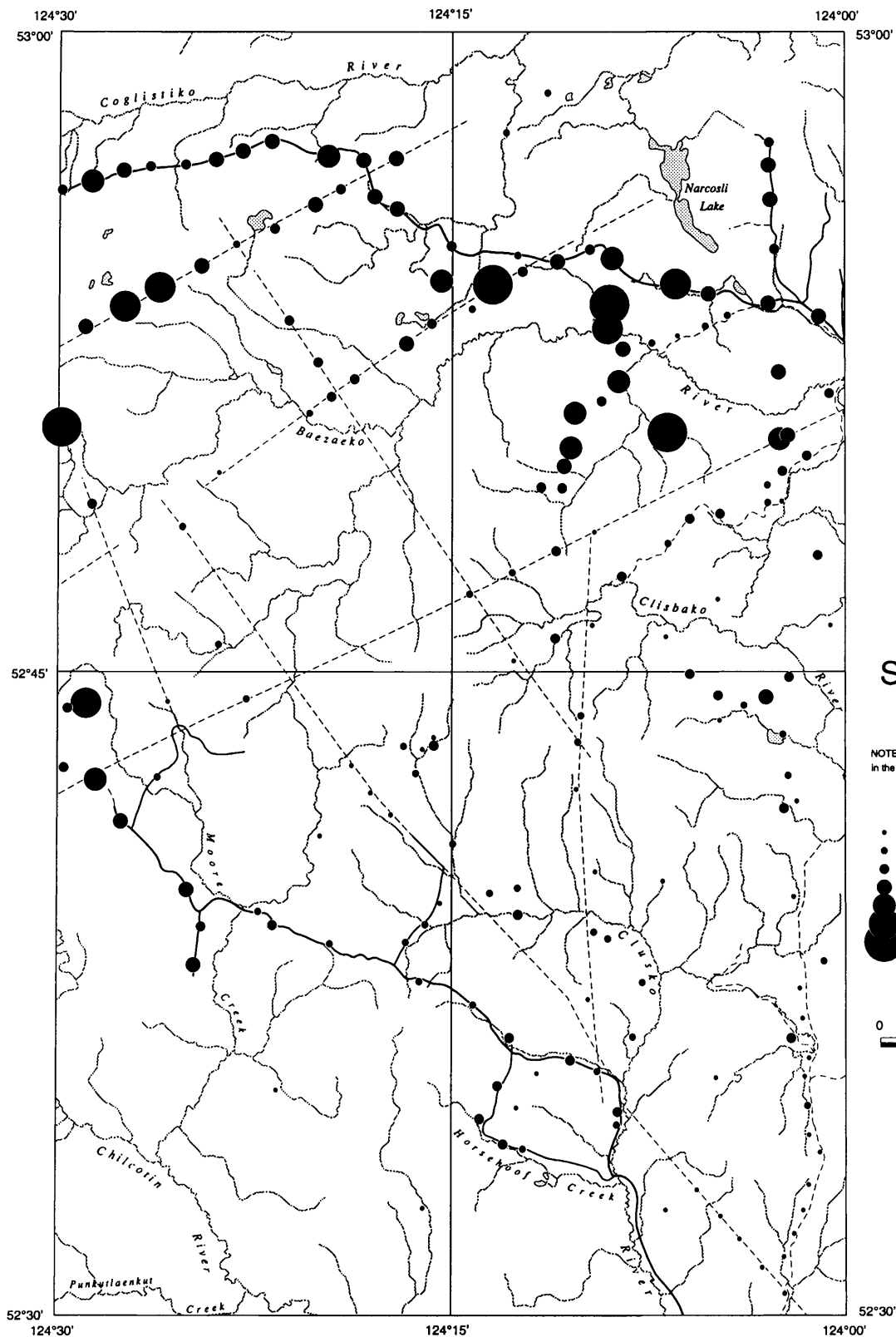
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 60
Maximum: 1540
Mean: 709
Mode: 640
Median: 710
Lower quartile: 490
Upper quartile: 940
Standard deviation: 282
Coefficient of variation: 2.5

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Phosphorus (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	60	490	45	25.4
•	490	700	43	49.7
•	700	940	45	75.1
•	940	1040	26	89.8
•	1040	1080	9	94.9
•	1080	1170	5	97.7
•	1170	1540	4	100



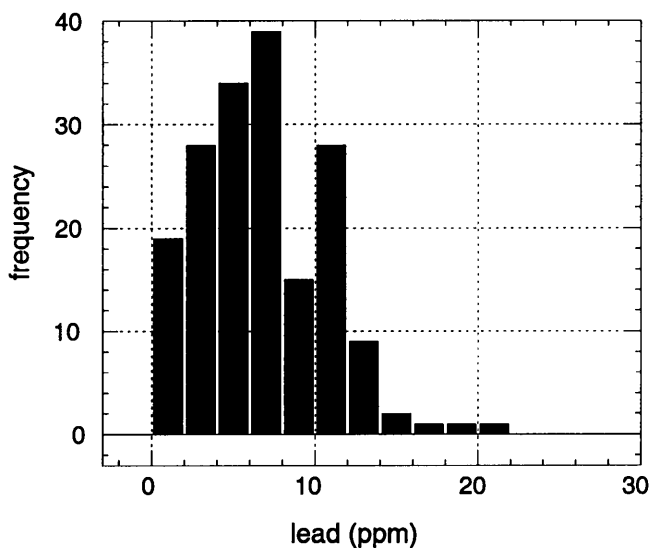
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

P

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Lead

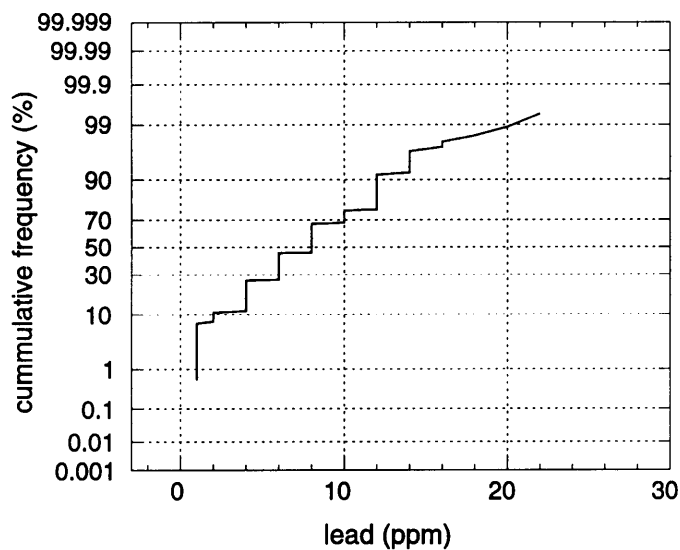
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 2 ppm

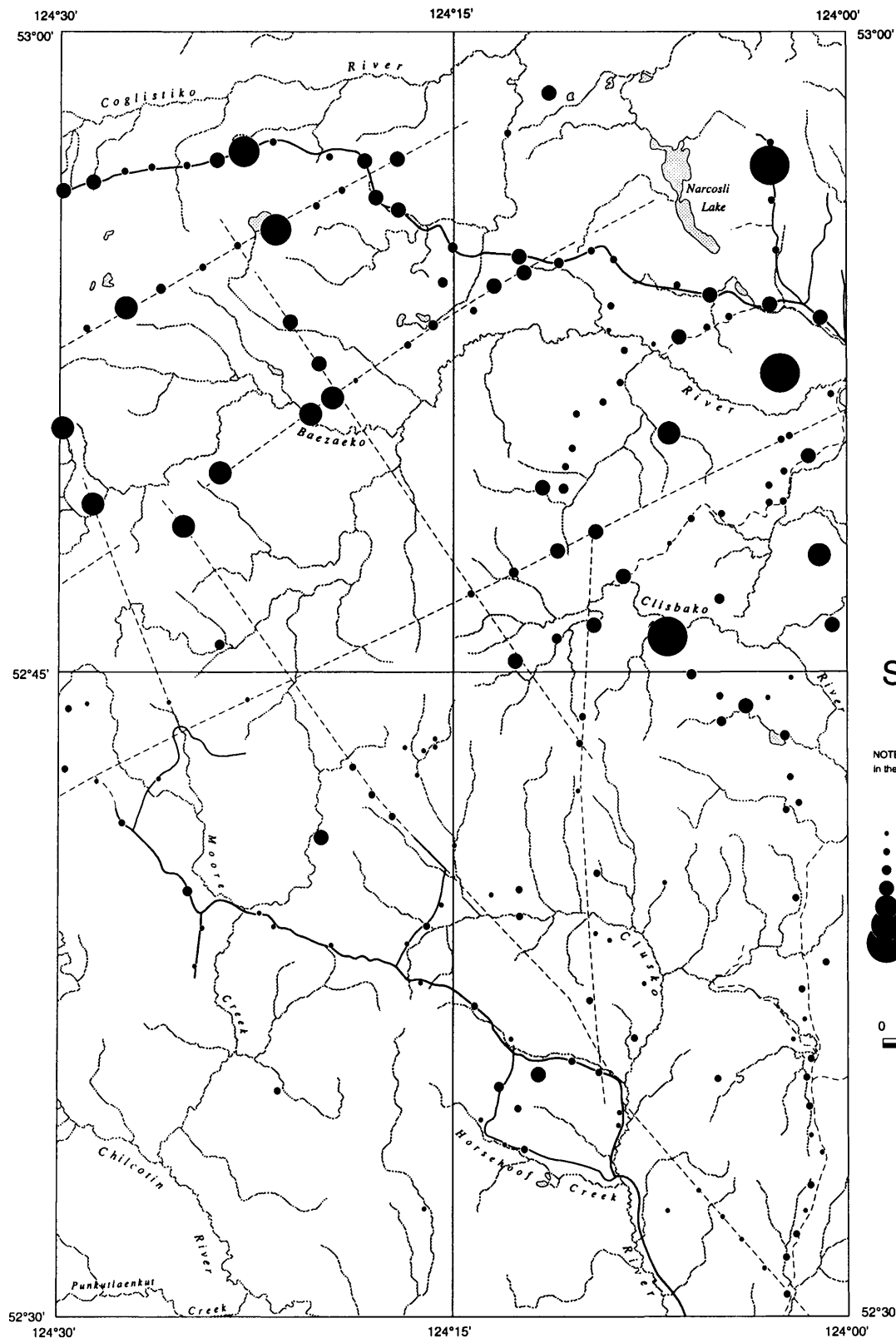
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: <2
Maximum: 22
Mean: 7.7
Mode: 8
Median: 8
Lower quartile: 4
Upper quartile: 10
Standard deviation: 4.0
Coefficient of variation: 1.9

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Lead (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	1	4	47	26.6
•	4	8	73	67.8
•	8	10	15	76.3
•	10	12	28	92.1
•	12	14	9	97.2
•	14	16	2	98.3
•	16	22	3	100



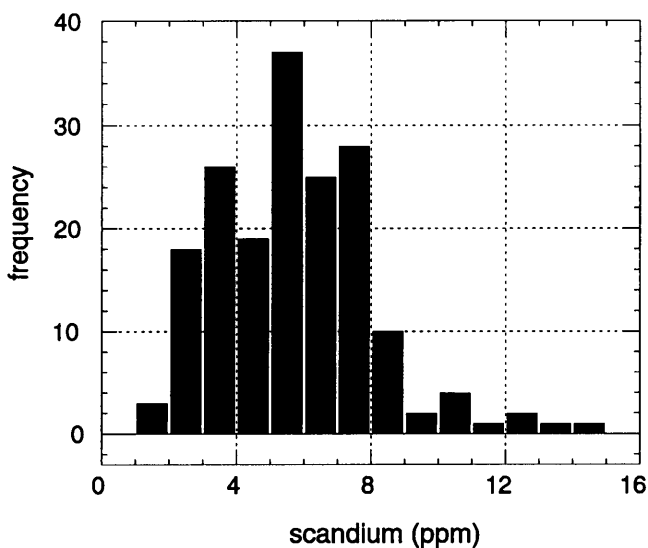
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Pb

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Scandium

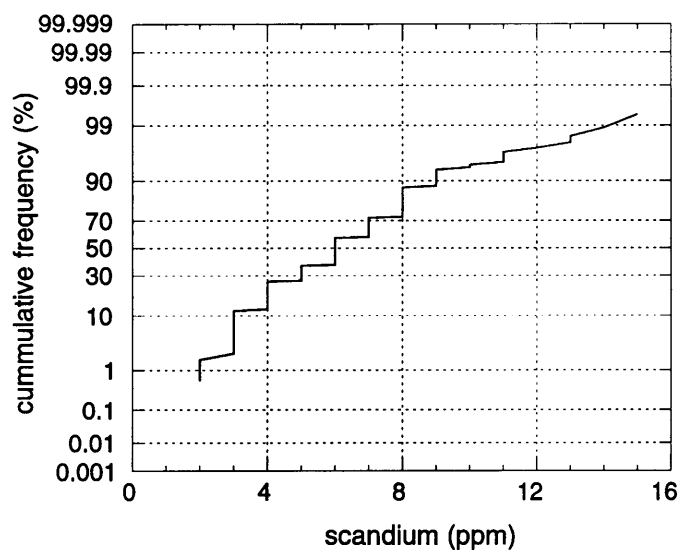
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 1 ppm

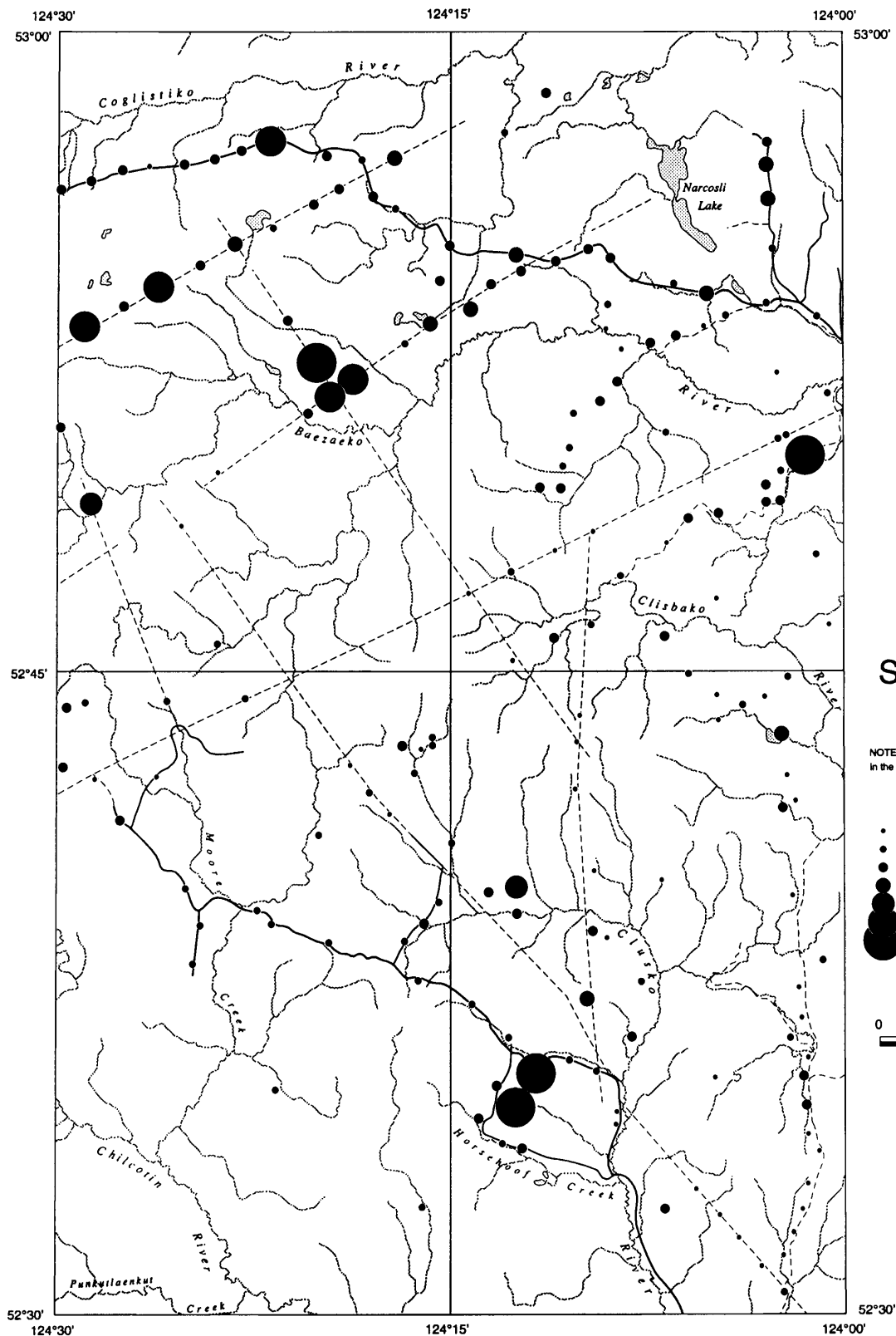
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 2
Maximum: 15
Mean: 6.2
Mode: 6
Median: 6
Lower quartile: 4
Upper quartile: 8
Standard deviation: 2.3
Coefficient of variation: 2.7

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Scandium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	2	4	47	26.6
•	4	6	56	58.2
•	6	8	53	88.1
•	8	9	10	93.8
•	9	10	2	94.9
•	10	12	5	97.7
•	12	15	4	100



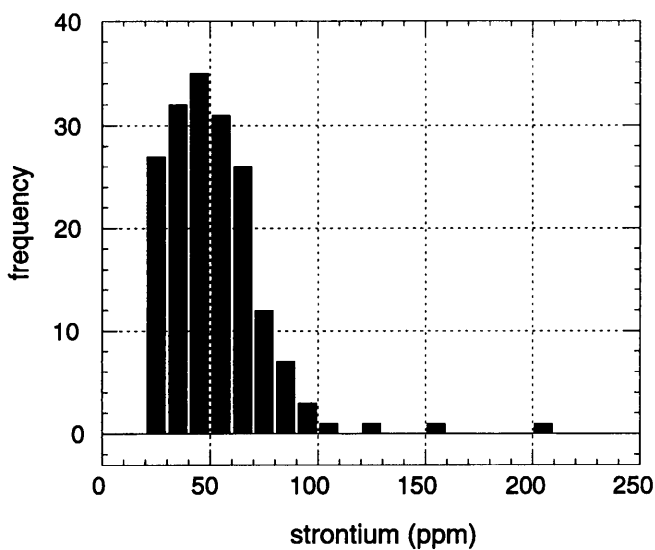
Transverse Mercator Projection
NAD 1927
UTM Grd Zone 9

Sc

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Strontium

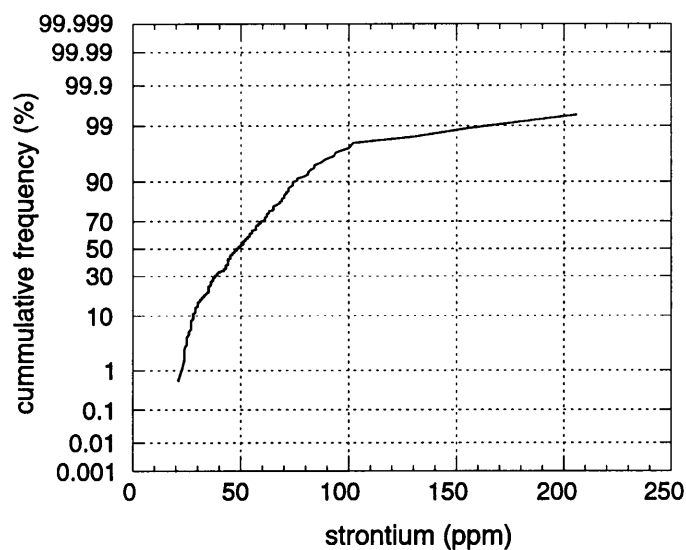
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 1 ppm

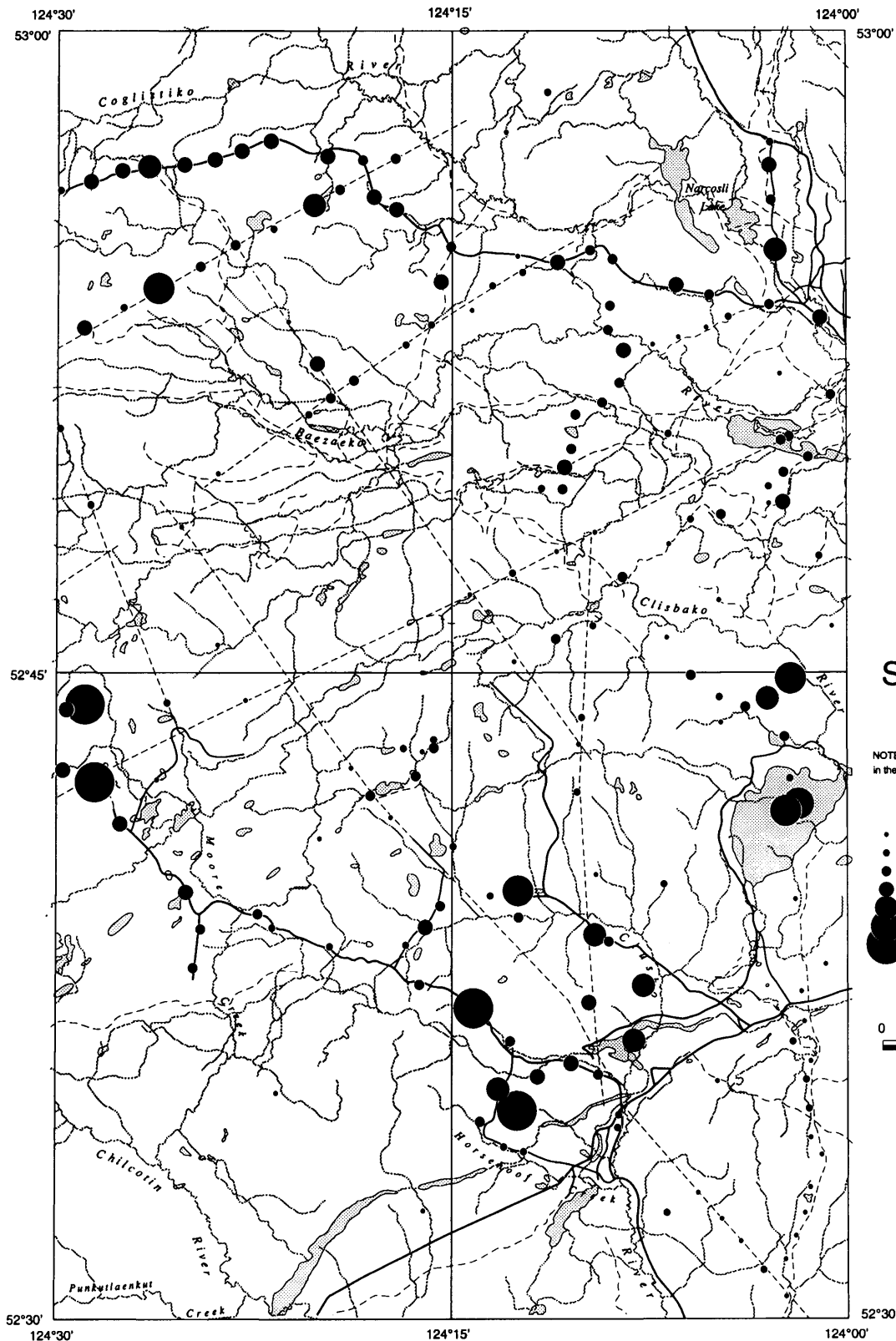
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 21
Maximum: 206
Mean: 52.0
Mode: 44
Median: 48
Lower quartile: 36
Upper quartile: 62
Standard deviation: 23.2
Coefficient of variation: 2.2

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Strontium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	21	36	47	26.6
•	36	48	42	50.3
•	48	62	44	75.1
•	62	74	27	90.4
•	74	84	8	94.9
•	84	100	5	97.7
•	100	206	4	100



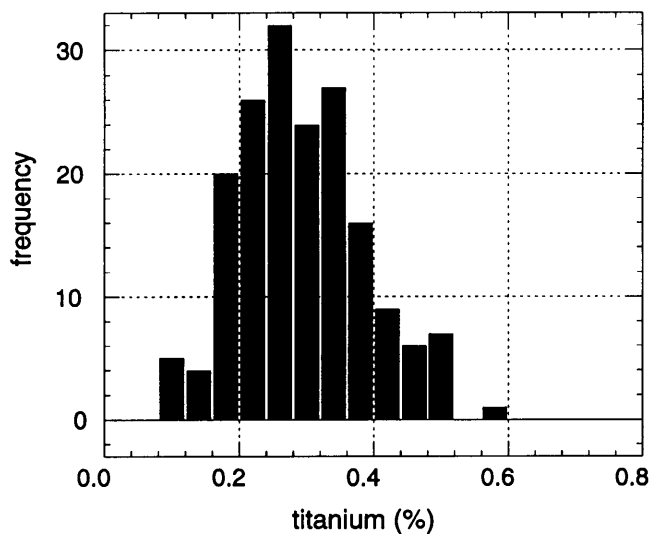
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Sr

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Titanium

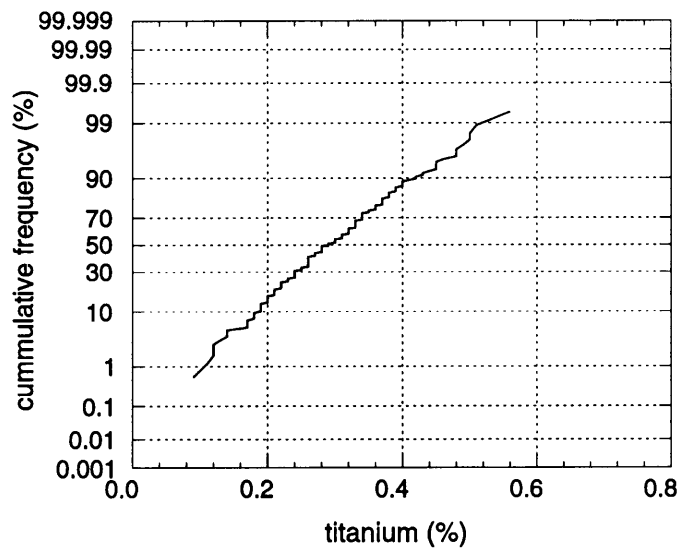
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 0.01 %

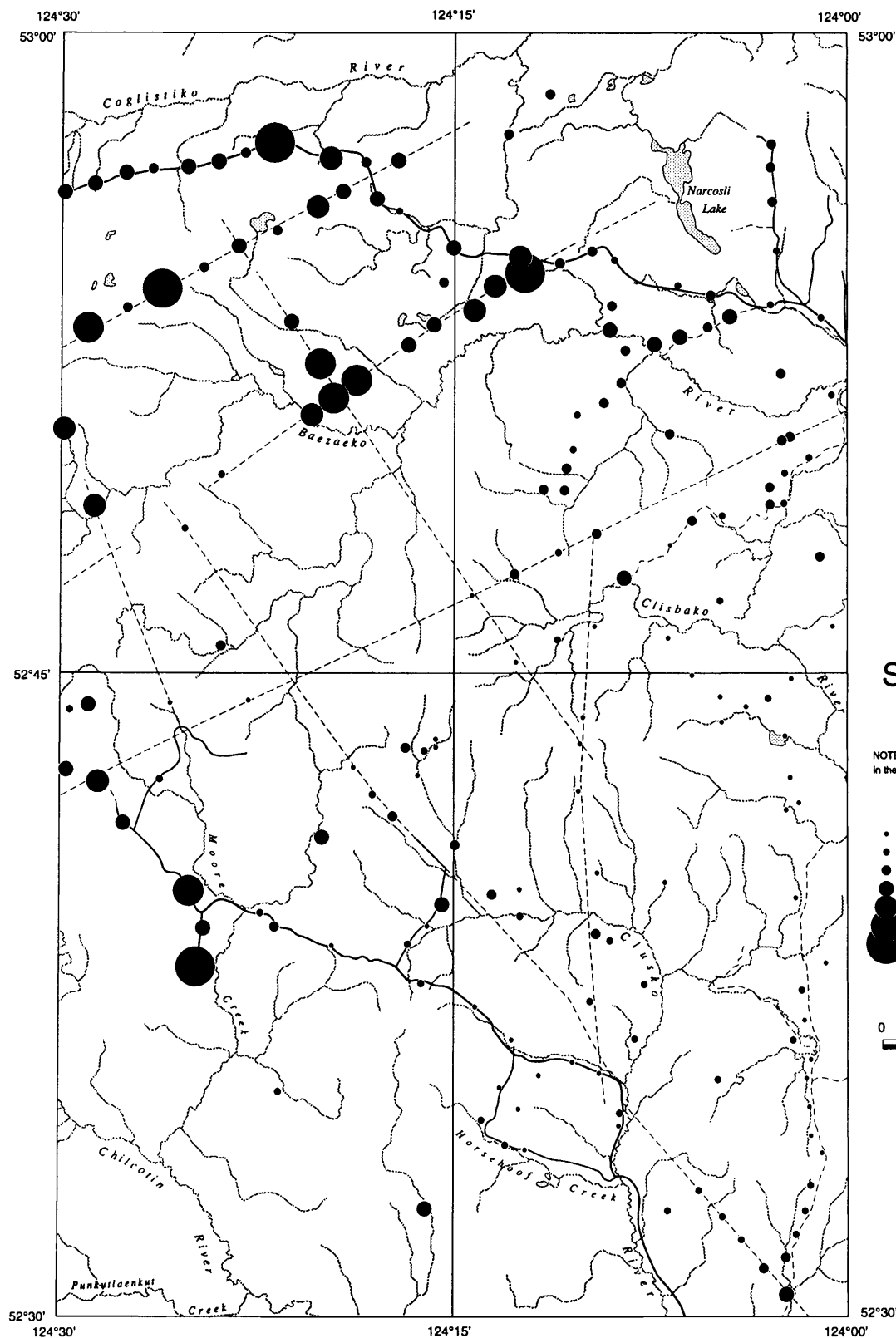
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 0.09
Maximum: 0.56
Mean: 0.30
Mode: 0.26
Median: 0.29
Lower quartile: 0.23
Upper quartile: 0.35
Standard deviation: 0.09
Coefficient of variation: 3.33

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Titanium (%)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	.09	.23	46	26
•	.23	.29	45	51.4
•	.29	.35	42	75.1
•	.35	.41	26	89.8
•	.41	.45	9	94.9
•	.45	.49	5	97.7
•	.49	.56	4	100



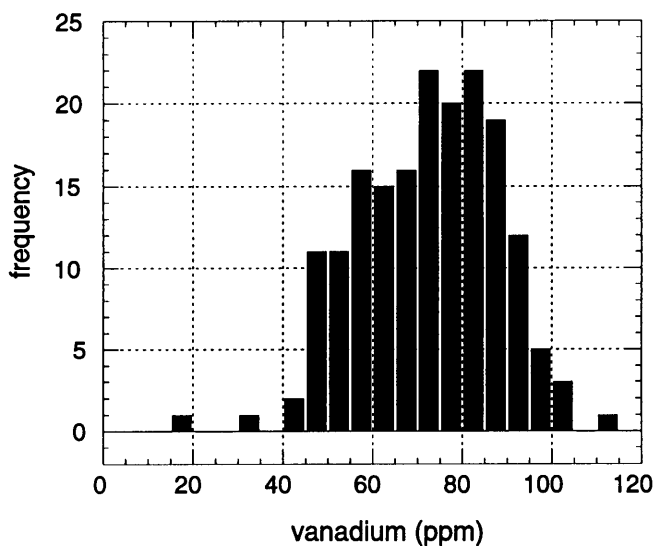
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Ti

Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C.

Vanadium

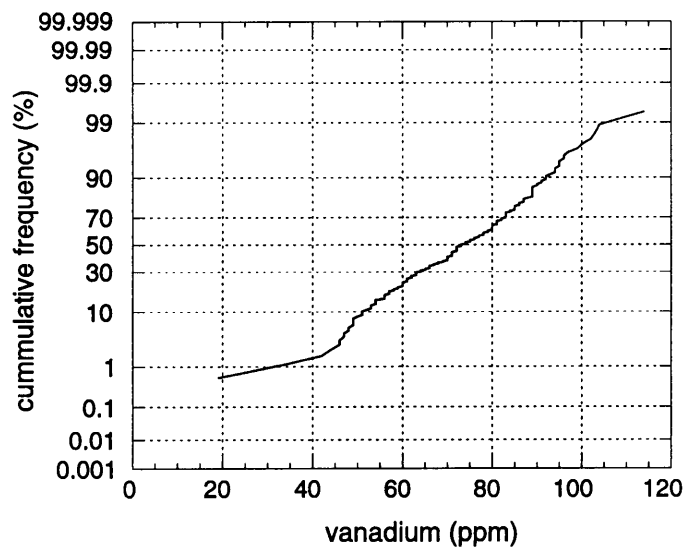
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 1 ppm

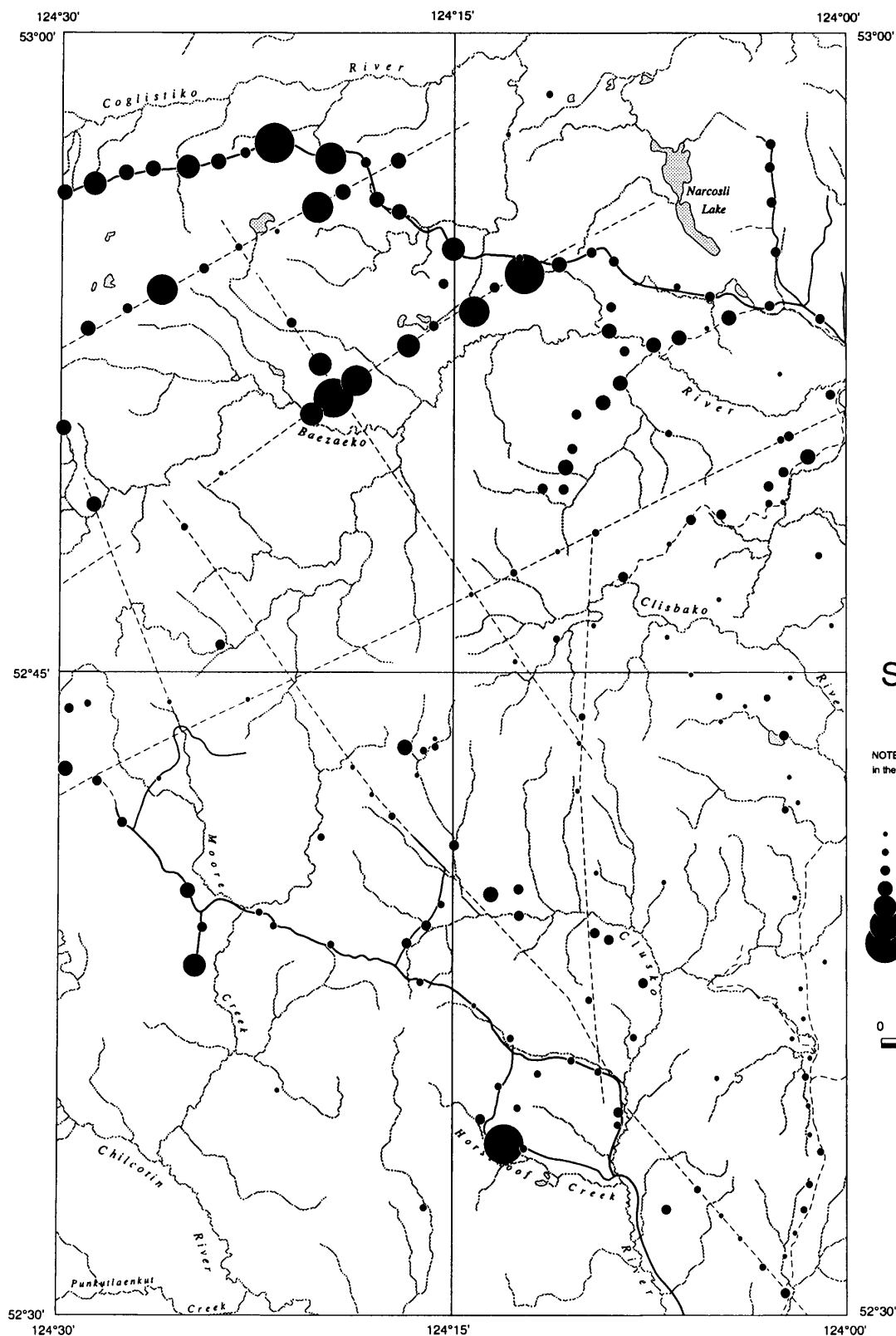
Normal Probability Curve



Summary Statistics

Number of samples: 177
Minimum: 19
Maximum: 114
Mean: 72.9
Mode: 89
Median: 73
Lower quartile: 61
Upper quartile: 85
Standard deviation: 15.6
Coefficient of variation: 4.7

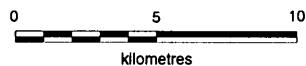
Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Vanadium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	19	61	46	26
•	61	73	43	50.3
•	73	85	48	77.4
•	85	92	24	91
•	92	95	7	94.9
•	95	100	5	97.7
•	100	114	4	100



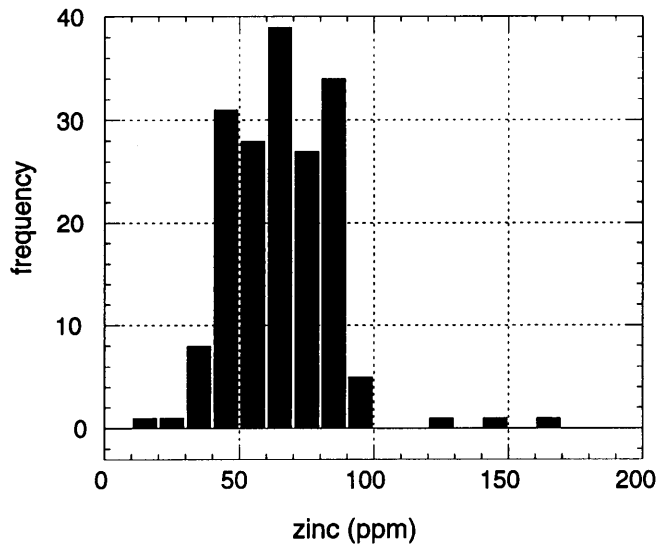
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

V

Till Geochemistry of the Clusko River - Toit Mtn. Map Areas, B.C.

Zinc

Frequency Histogram



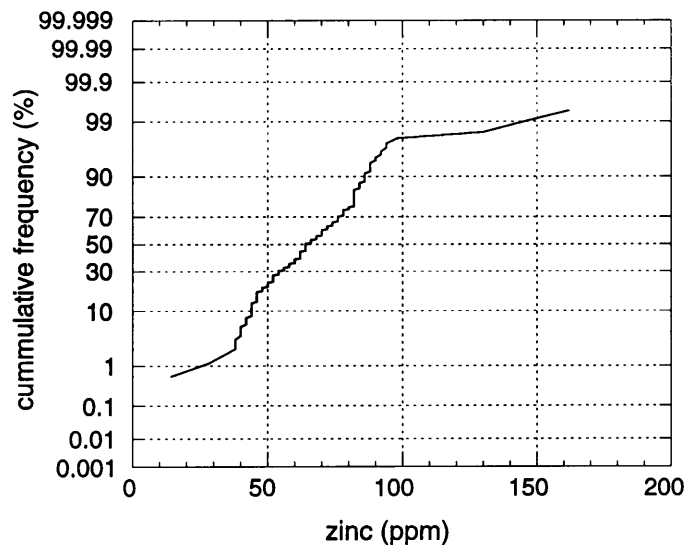
Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 2 ppm

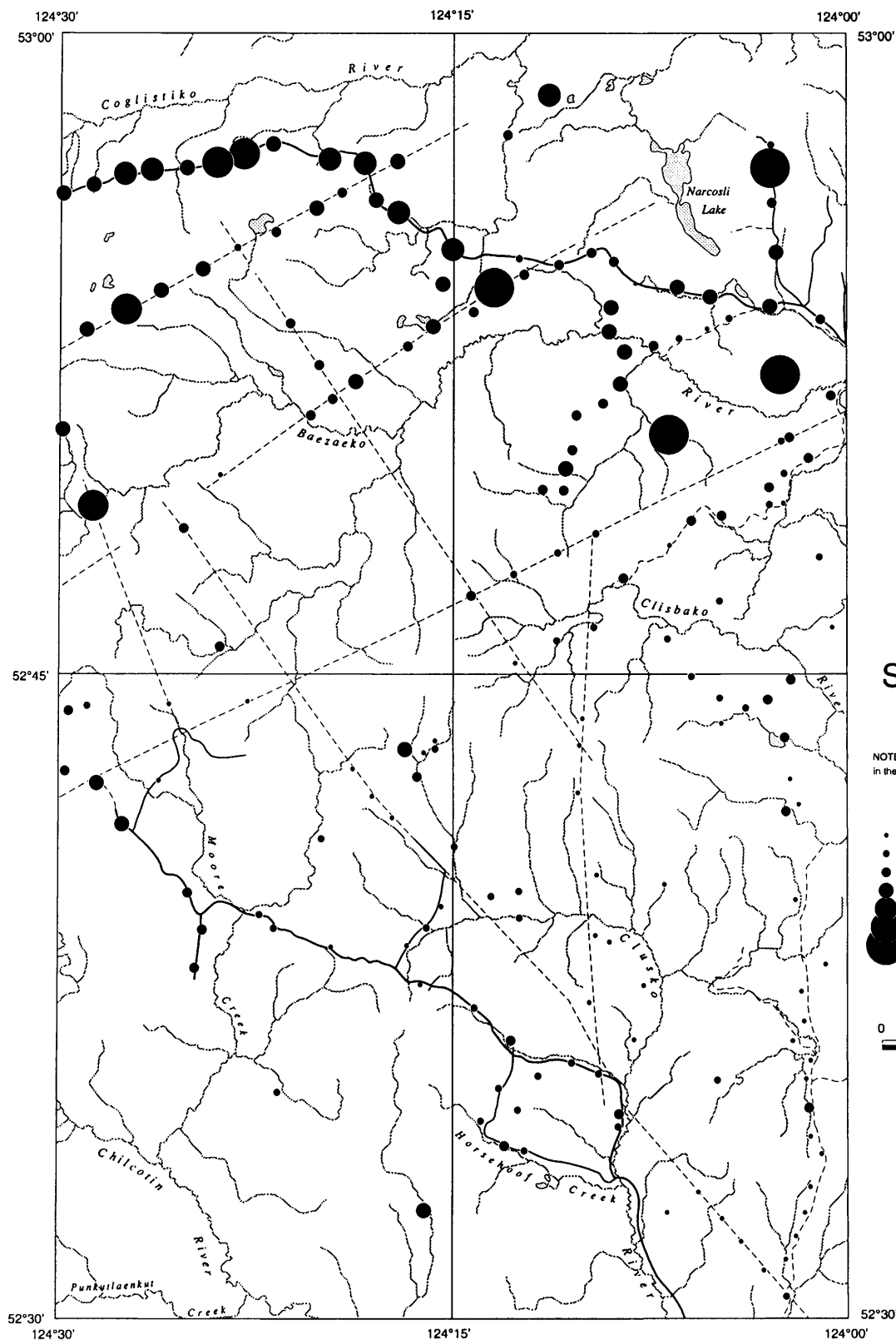
Summary Statistics

Number of samples: 177
Minimum: 14
Maximum: 162
Mean: 66.1
Mode: 82
Median: 64
Lower quartile: 52
Upper quartile: 80
Standard deviation: 19.1
Coefficient of variation: 3.5

Normal Probability Curve



Till Geochemistry of the Clusko River - Toil Mtn. Map Areas, B.C. NTS 93C/09 and 93C/16



Symbol Legend Zinc (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	14	52	49	27.7
•	52	64	41	50.8
•	64	80	45	76.3
•	80	86	27	91.5
•	86	90	7	95.5
•	90	94	4	97.7
•	94	162	4	100



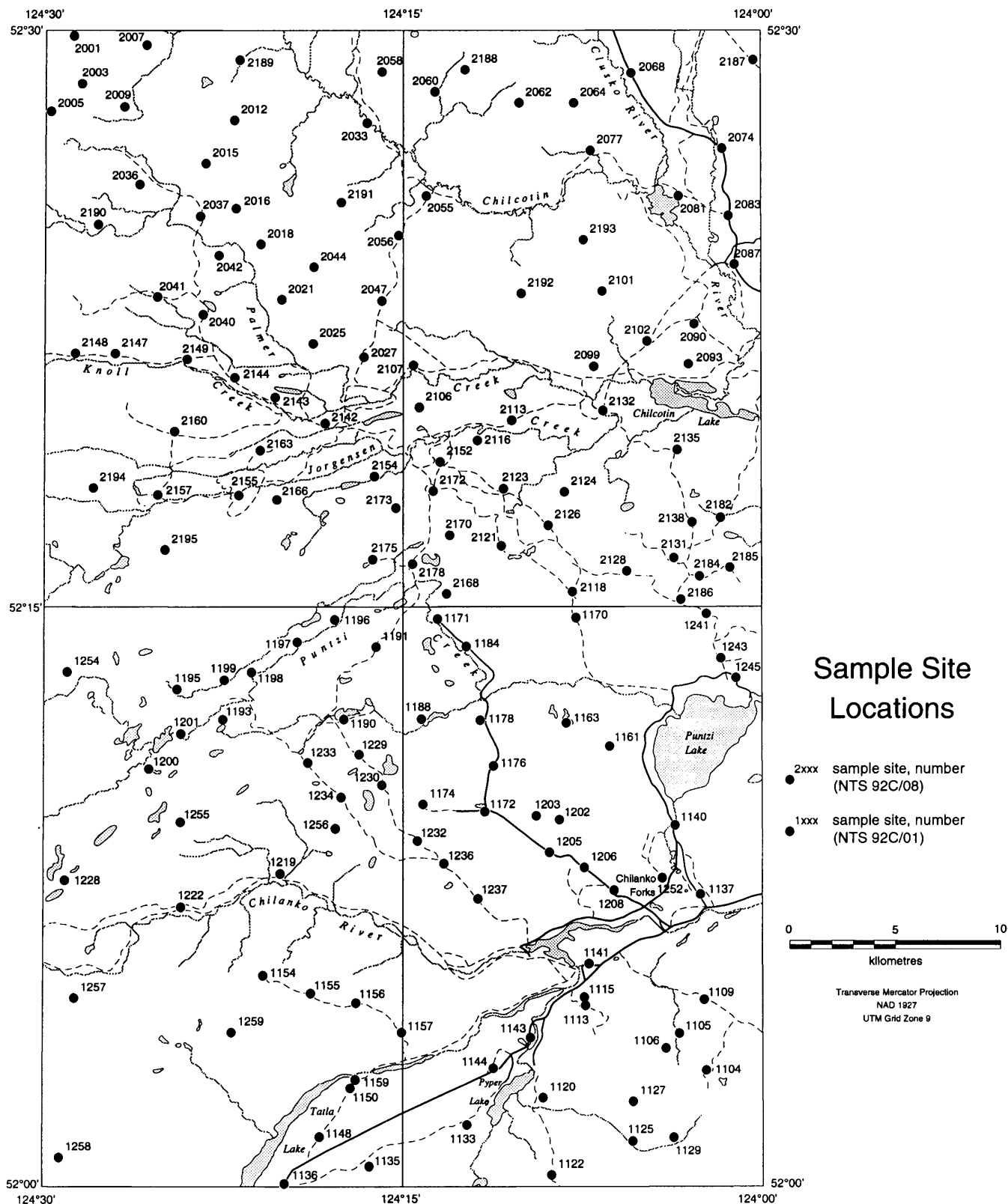
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Zn

GEOFILE 2006_1 – CHILANKO FORKS-CHEZACUT MAPS

Sample Locations.

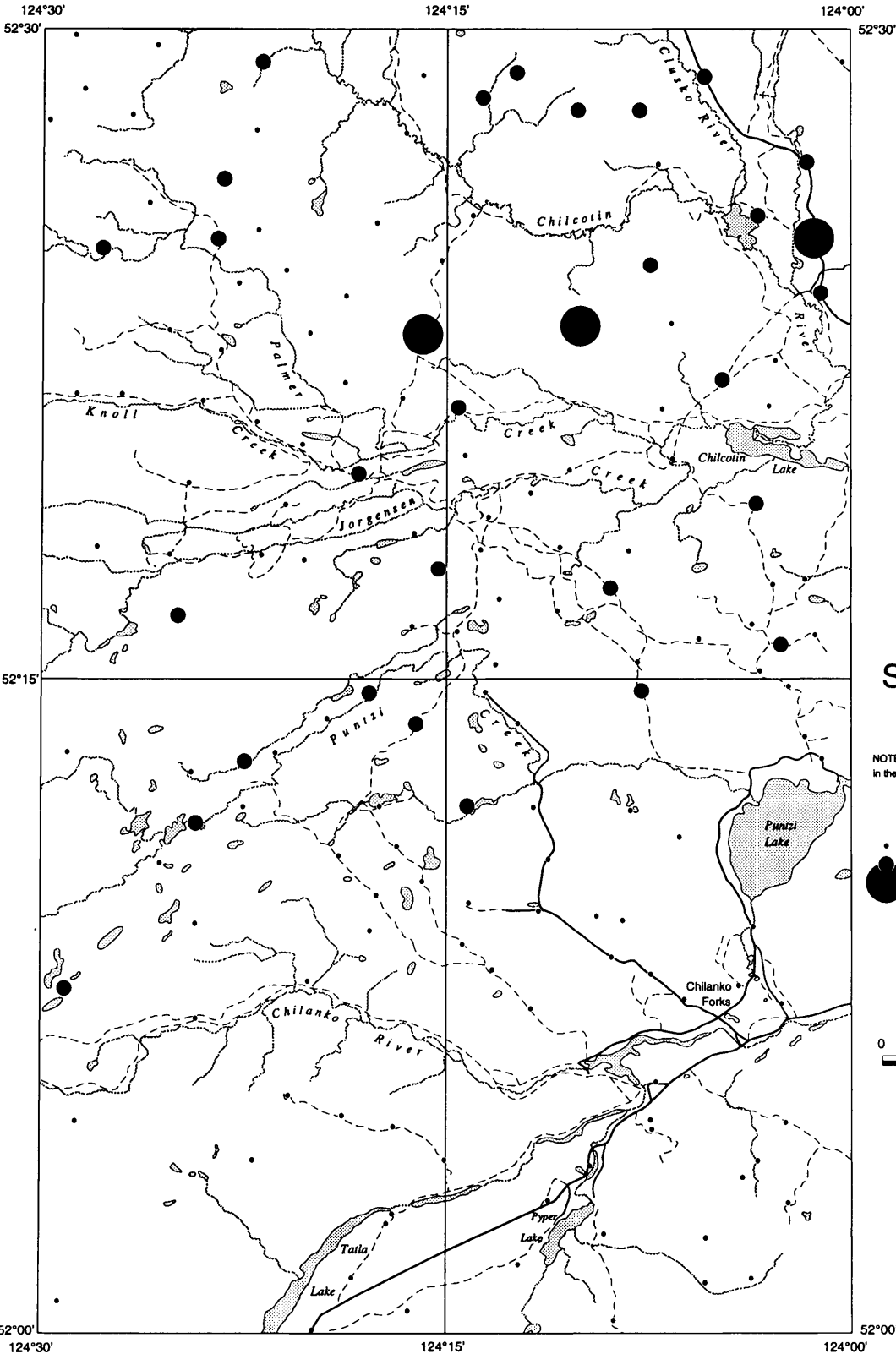
Till Geochemistry of the Chilanko Forks - Chezacut Area, B.C. NTS 93C/01 and 93C/08



GEOFILE 2006_1 – CHILANKO FORKS-CHEZACUT MAPS

Acid Digestion-ICP-ES Results.

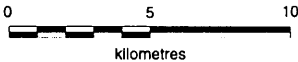
Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Silver (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
	.1	.2	123	79.9
	.2	.4	28	98.1
	.4	.6	3	100



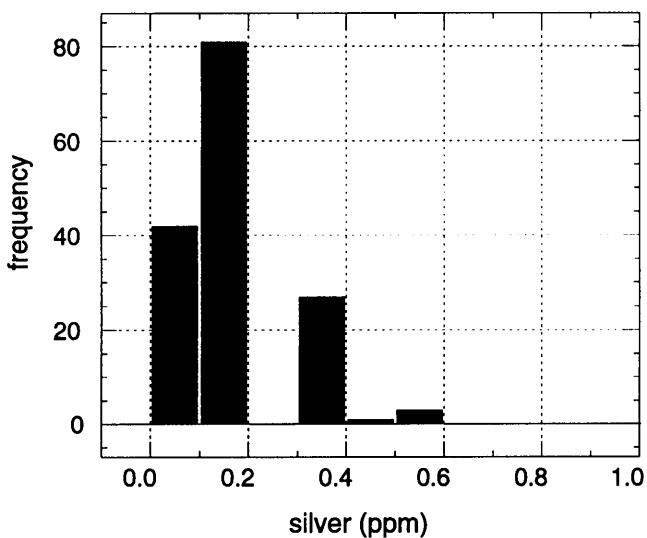
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Ag

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Silver

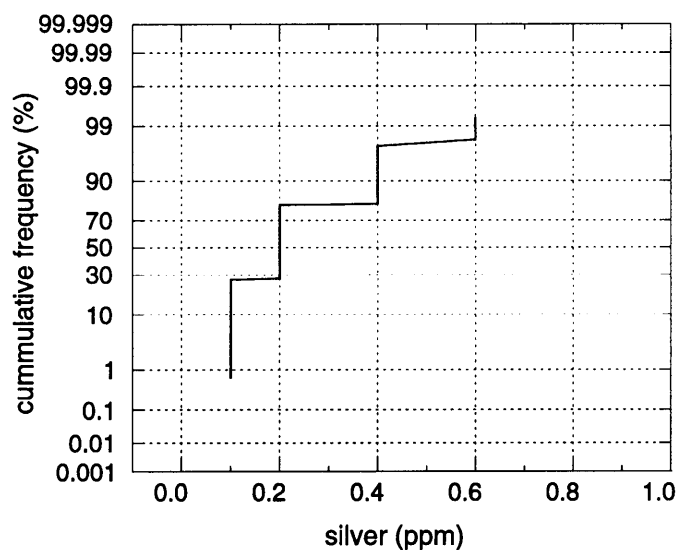
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 0.2 ppm

Normal Probability Curve



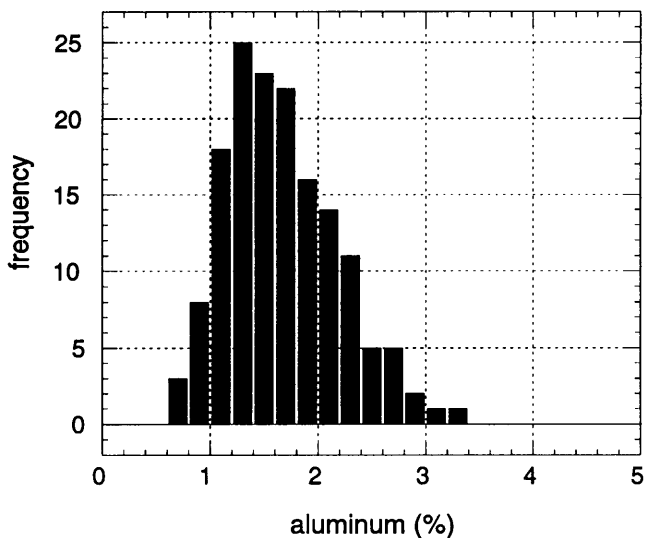
Summary Statistics

Number of samples: 154
Minimum: <0.2
Maximum: 0.6
Mean: 0.2
Mode: 0.2
Median: 0.2
Lower quartile: 0.1
Upper quartile: 0.2
Standard deviation: 0.1
Coefficient of variation: 2.0

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Aluminum

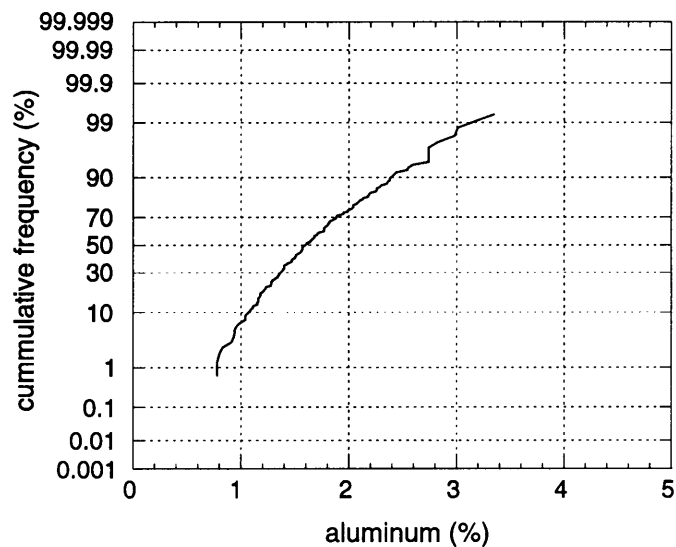
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 0.01 %

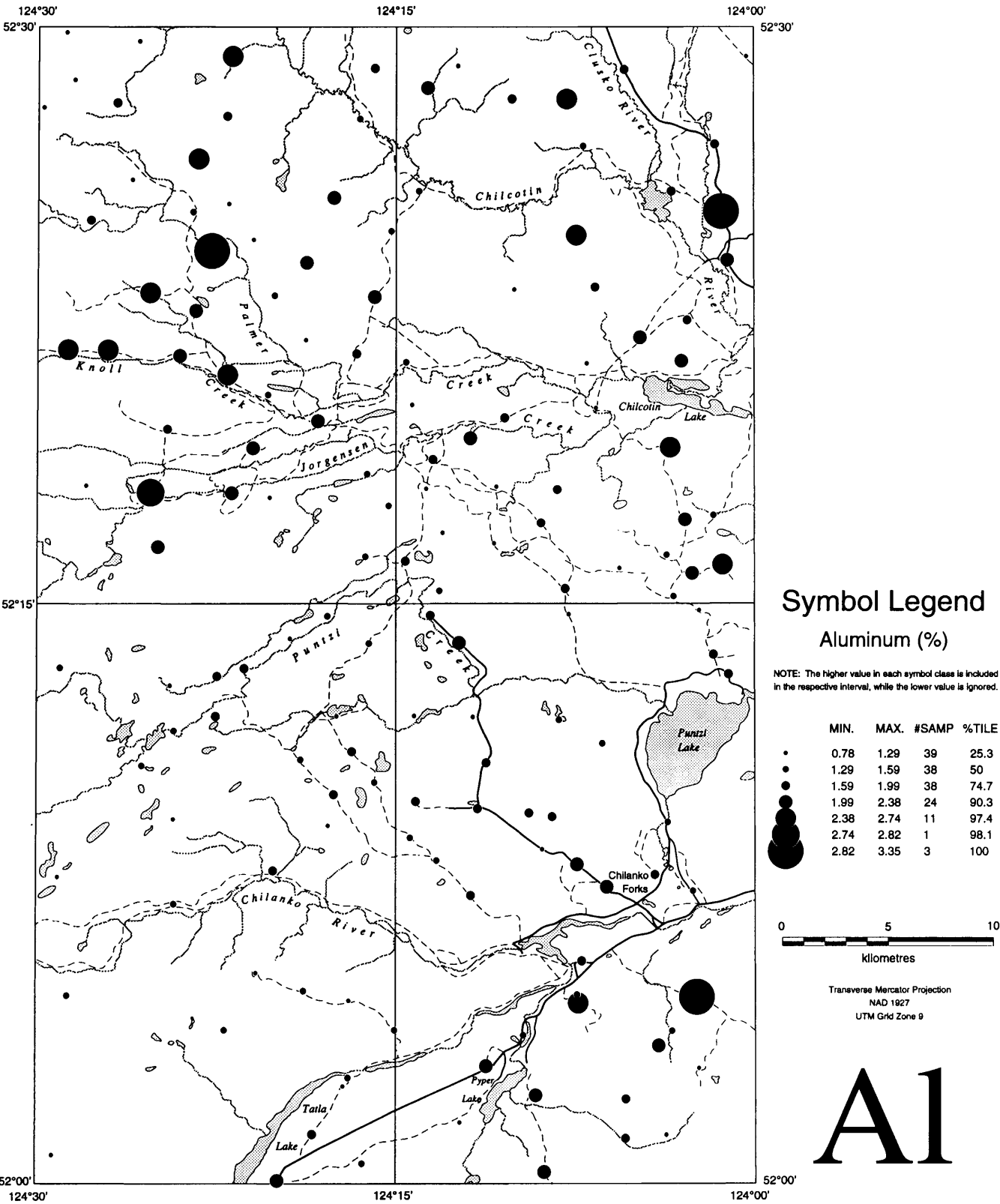
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 0.78
Maximum: 3.35
Mean: 1.68
Mode: 2.74
Median: 1.60
Lower quartile: 1.29
Upper quartile: 2.01
Standard deviation: 0.52
Coefficient of variation: 3.27

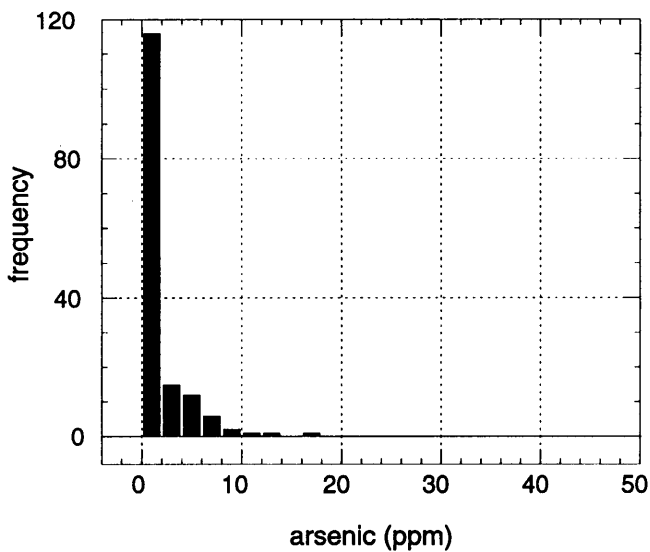
Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Arsenic

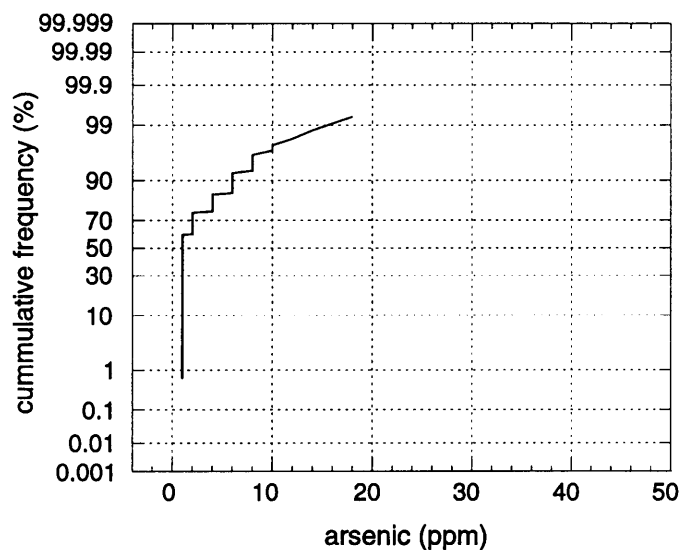
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 2 ppm

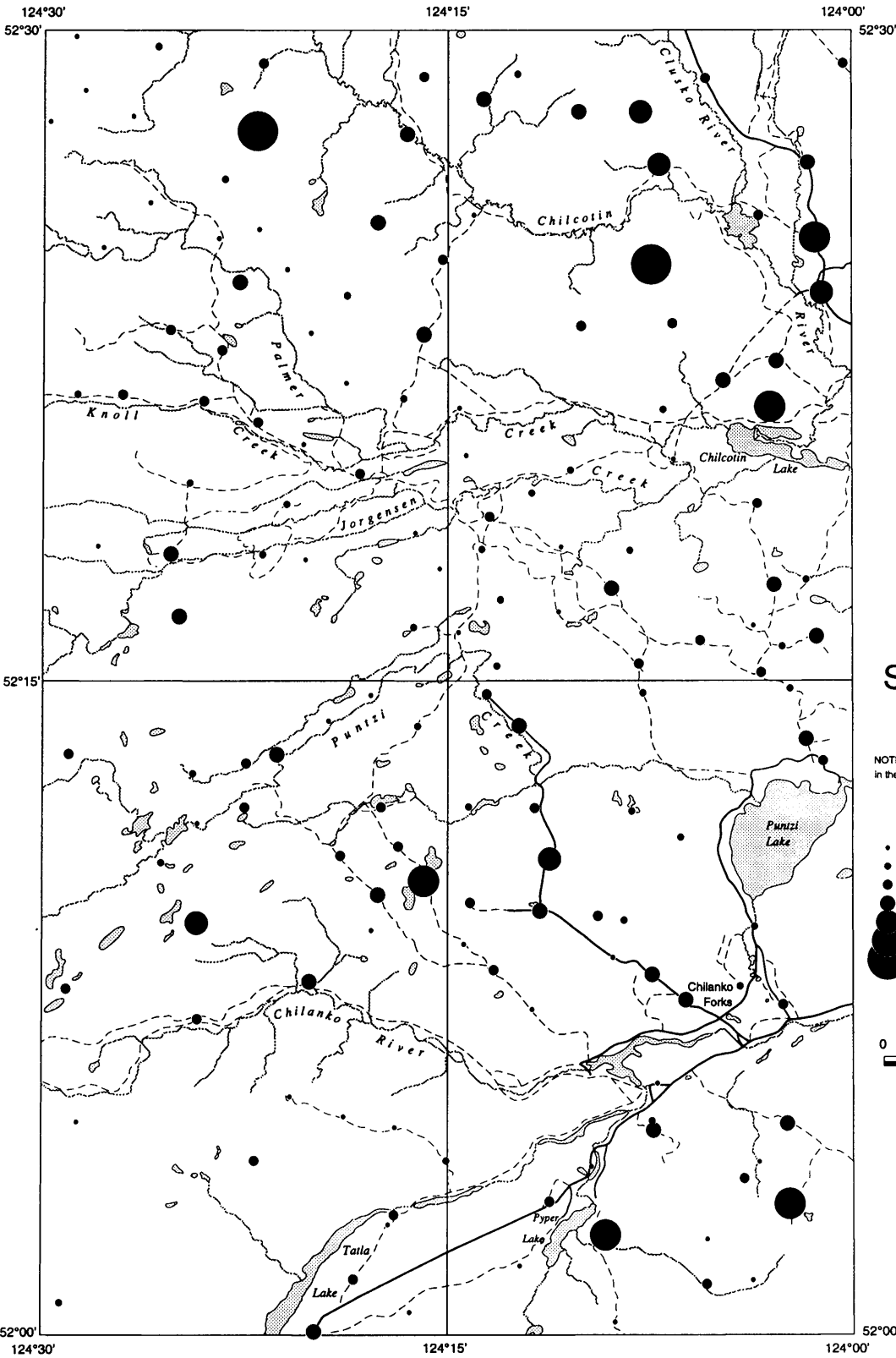
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 1
Maximum: 18
Mean: 2.5
Mode: 1
Median: 1
Lower quartile: 1
Upper quartile: 2
Standard deviation: 2.7
Coefficient of variation: 0.9

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Barium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

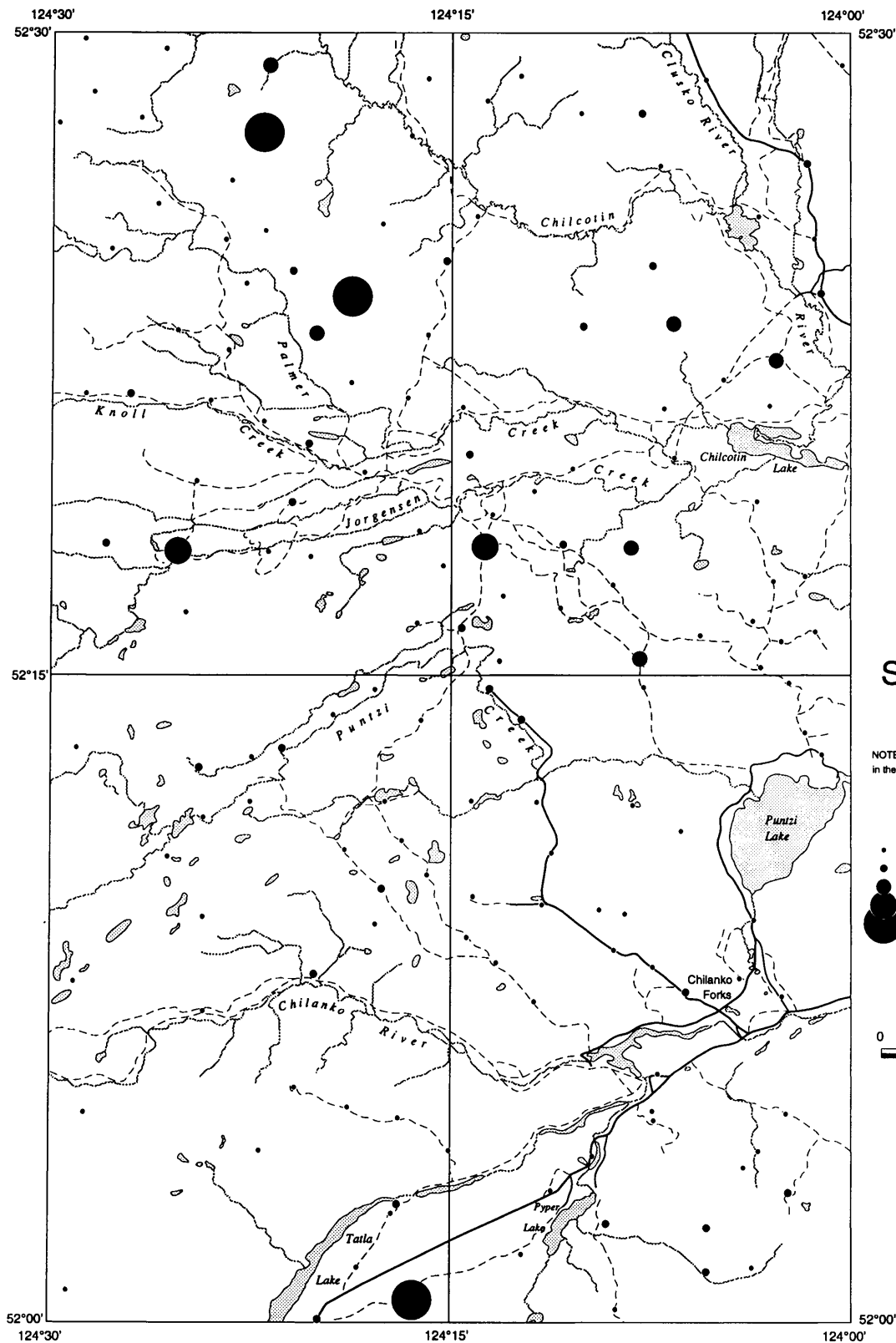
	MIN.	MAX.	#SAMP	%TILE
•	20	60	44	28.6
•	60	70	33	50
•	70	90	40	76
•	90	120	25	92.2
•	120	140	5	95.5
•	140	230	5	98.7
•	230	240	2	100



Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Ba

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Arsenic (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	1	2	116	75.3
•	2	6	27	92.9
•	6	8	6	96.8
•	8	10	2	98.1
•	10	18	3	100



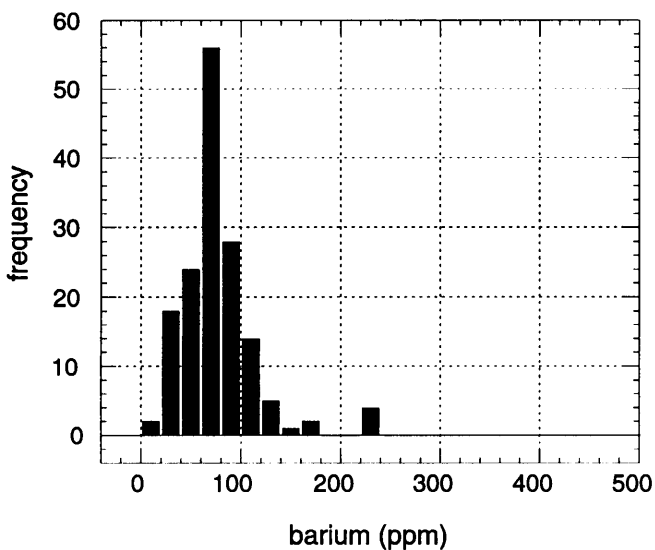
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

As

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Barium

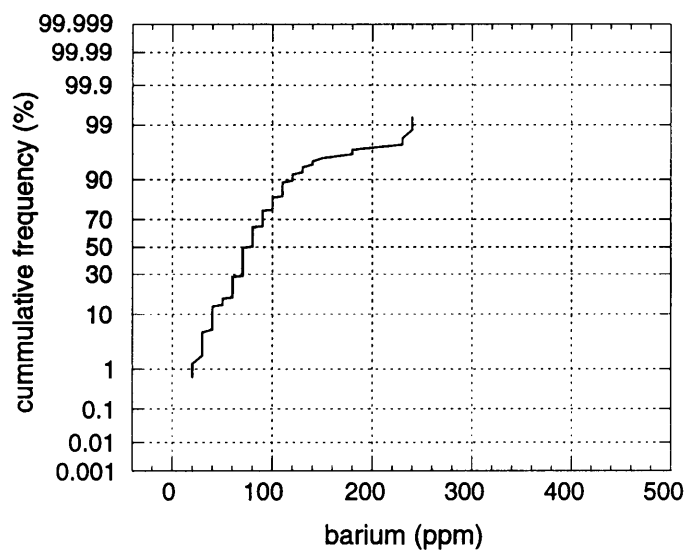
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 50 ppm

Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 20
Maximum: 240
Mean: 82
Mode: 70
Median: 75
Lower quartile: 60
Upper quartile: 90
Standard deviation: 37
Coefficient of variation: 2.2

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Beryllium

Frequency Histogram

No Data Graphed.

Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 0.5 ppm

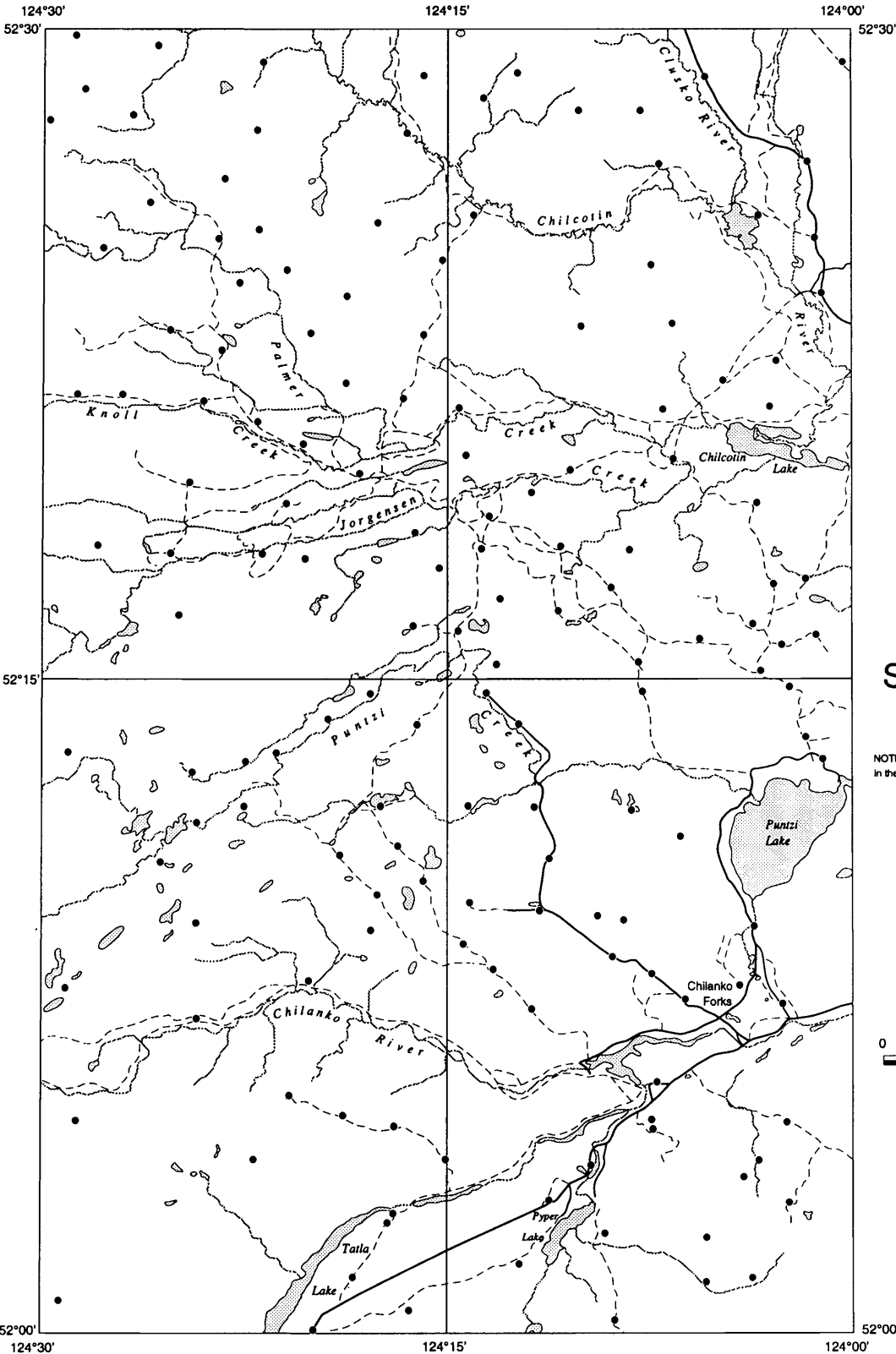
Normal Probability Curve

No Data Graphed.

Summary Statistics

Number of samples: 154
Minimum: 0.3
Maximum: 0.3
Mean: 0.3
Mode: 0.3
Median: 0.3
Lower quartile: 0.3
Upper quartile: 0.3
Standard deviation: 0
Coefficient of variation: 0

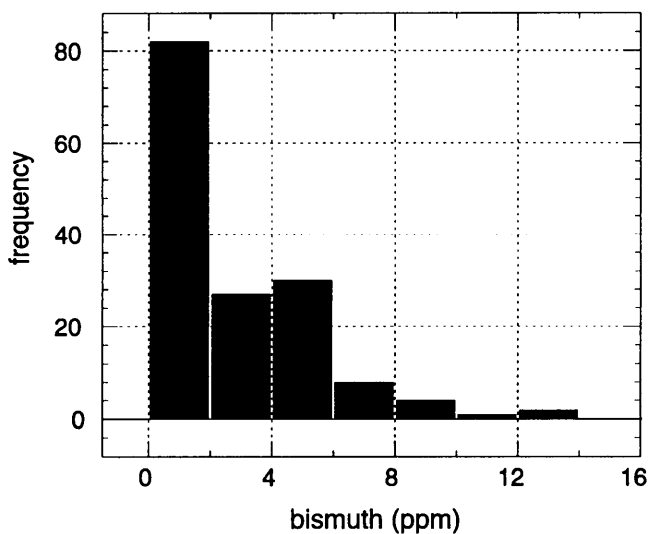
Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Bismuth

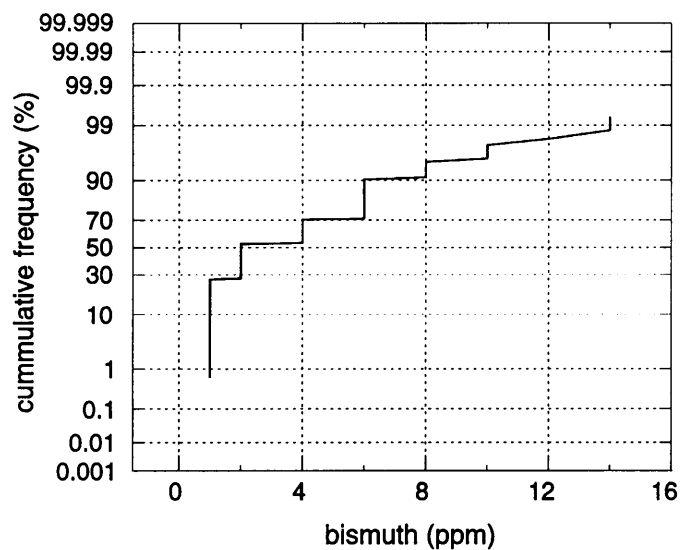
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 2 ppm

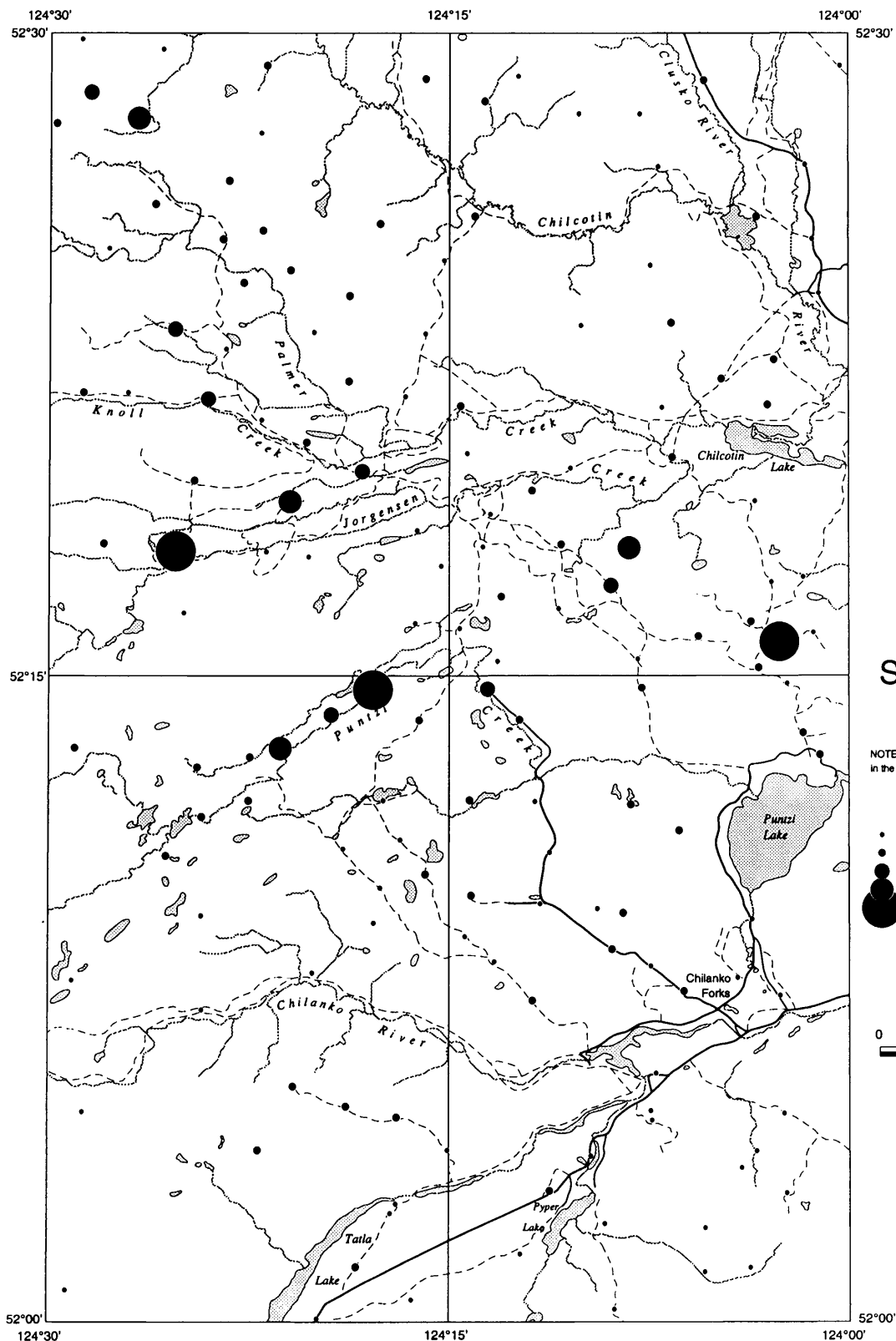
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: <2
Maximum: 14
Mean: 3.6
Mode: 1
Median: 2
Lower quartile: 1
Upper quartile: 6
Standard deviation: 2.7
Coefficient of variation: 1.3

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Bismuth (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

MIN.	MAX.	#SAMP	%TILE
1	2	82	53.2
2	6	58	90.9
6	8	7	95.5
8	10	4	98.1
10	14	3	100



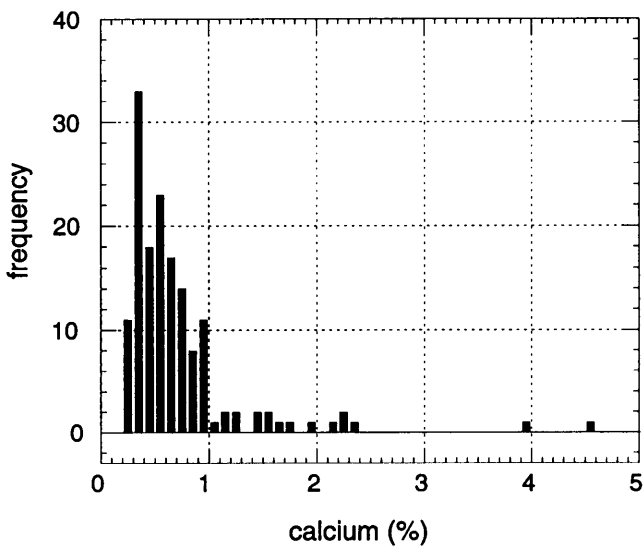
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Bi

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Calcium

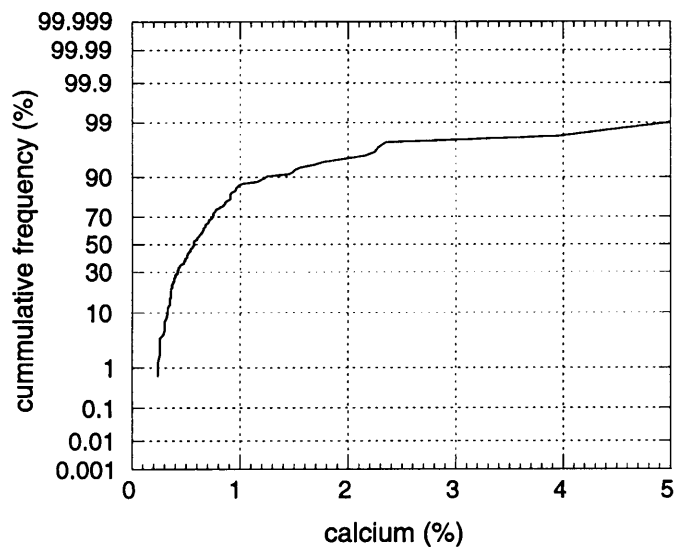
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 0.01 %

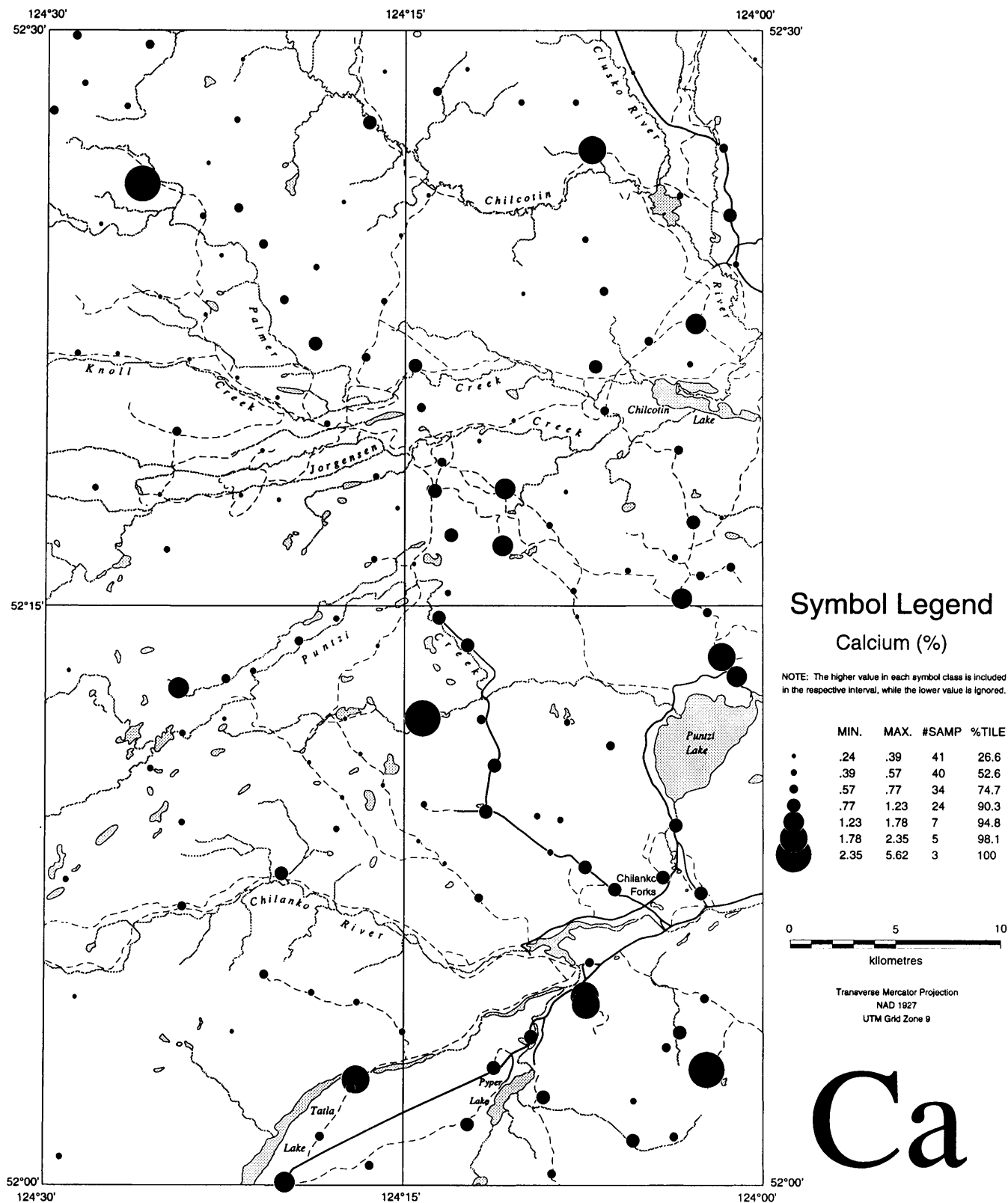
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 0.24
Maximum: 5.62
Mean: 0.75
Mode: 0.36
Median: 0.57
Lower quartile: 0.39
Upper quartile: 0.78
Standard deviation: 0.70
Coefficient of variation: 0.07

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Cadmium

Frequency Histogram

No Data Graphed.

Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 0.5 ppm

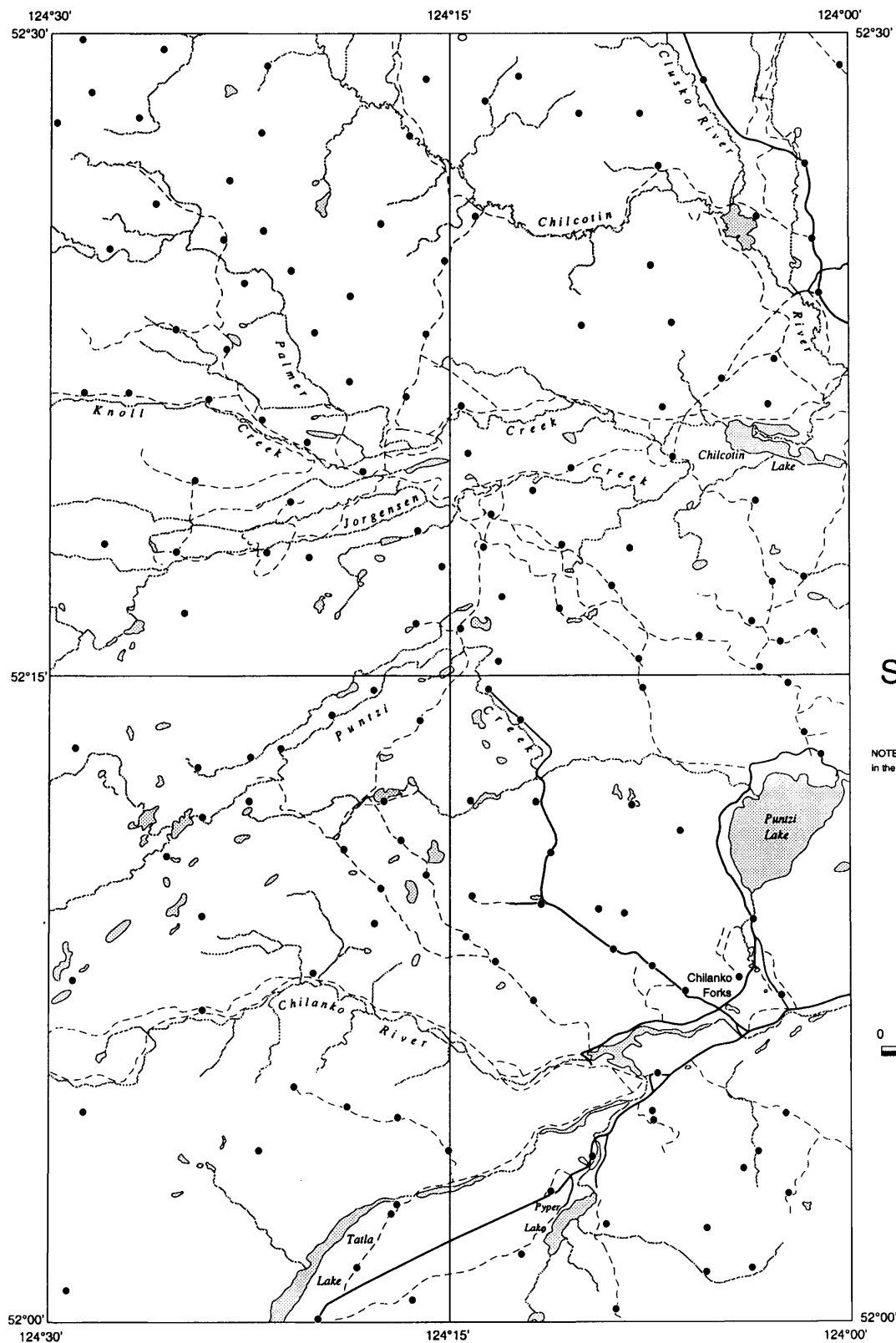
Normal Probability Curve

No Data Graphed.

Summary Statistics

Number of samples: 154
Minimum: 0.3
Maximum: 0.3
Mean: 0.3
Mode: 0.3
Median: 0.3
Lower quartile: 0.3
Upper quartile: 0.3
Standard deviation: 0
Coefficient of variation: 0

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend

Cadmium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

MIN.	MAX.	#SAMP	%TILE
• .25	.3	154	100



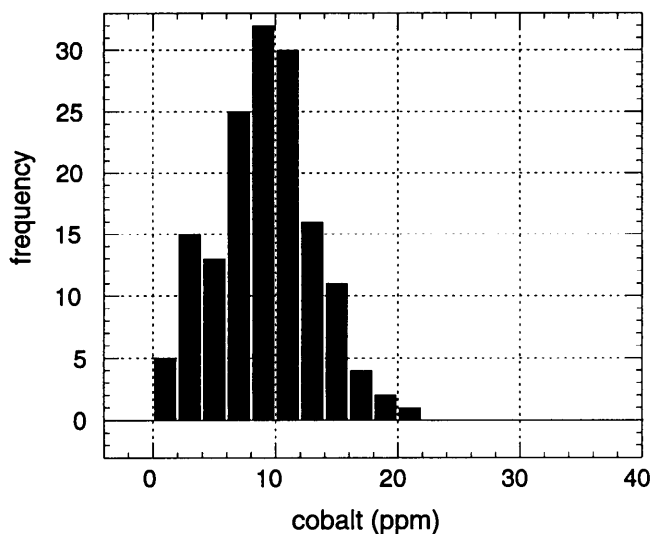
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Cd

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Cobalt

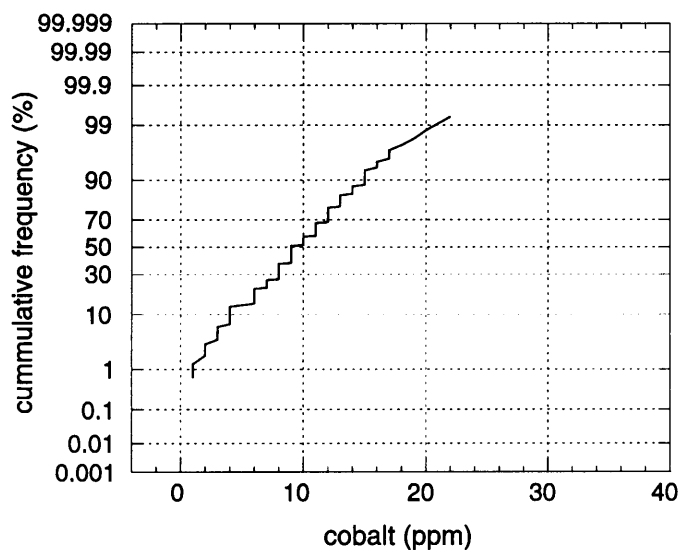
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 1 ppm

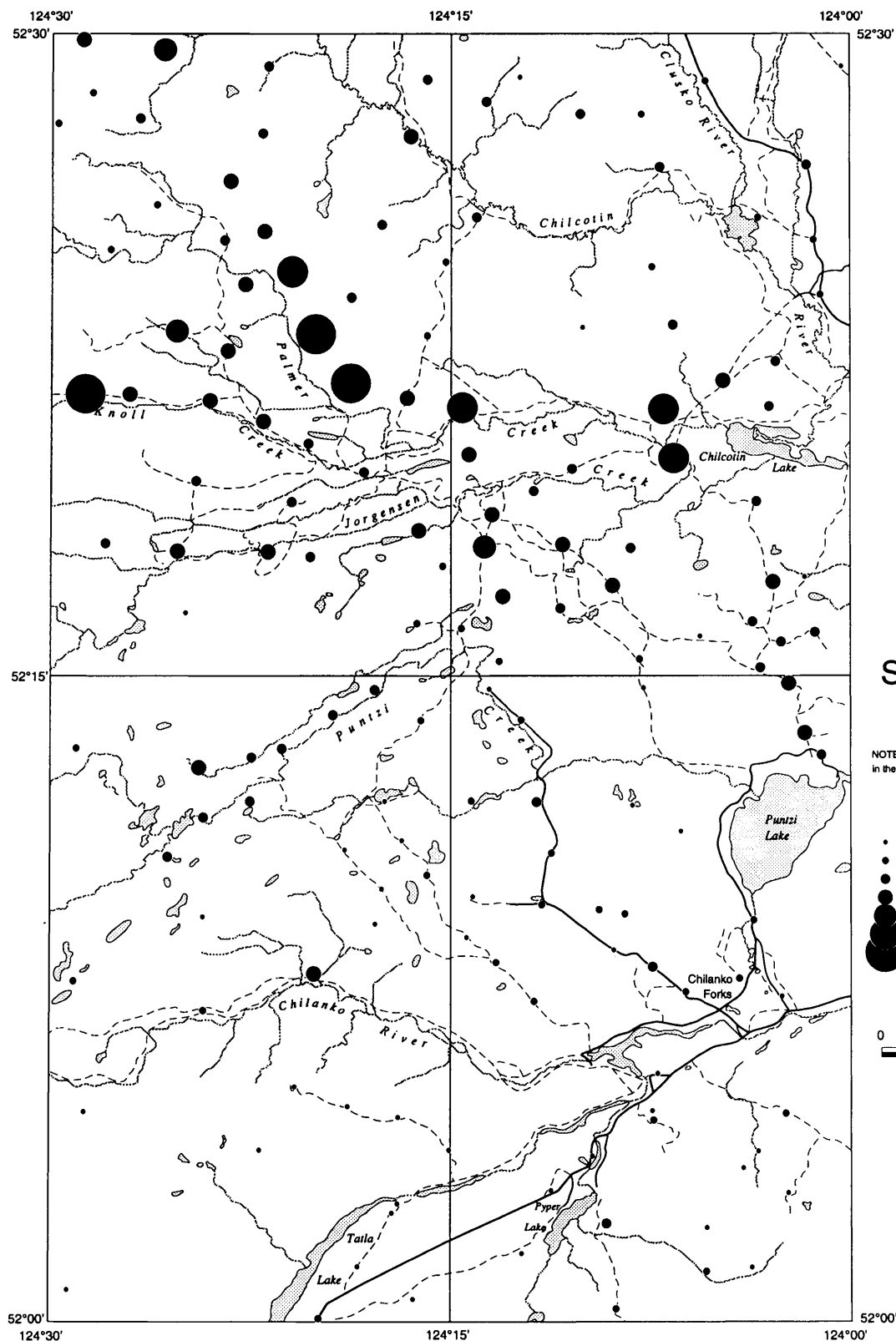
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 1
Maximum: 22
Mean: 9.7
Mode: 9
Median: 9
Lower quartile: 7
Upper quartile: 12
Standard deviation: 4.0
Coefficient of variation: 2.4

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend

Cobalt (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	1	7	41	26.6
•	7	9	38	51.3
•	9	12	41	77.9
•	12	15	24	93.5
•	15	16	3	95.5
•	16	18	4	98.1
•	18	22	3	100



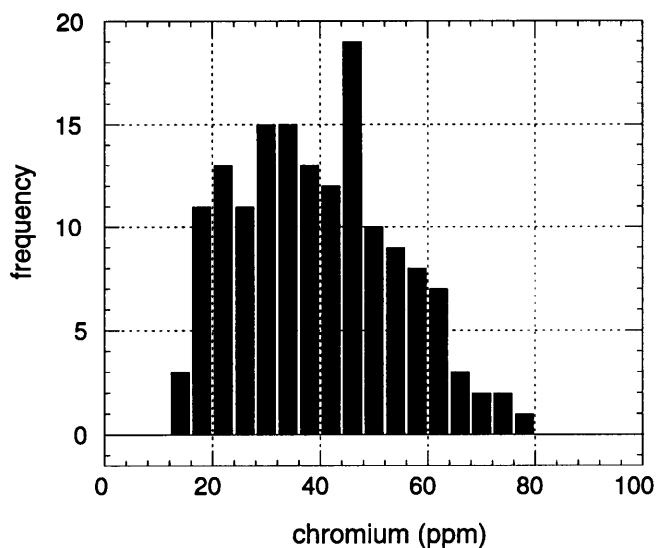
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Co

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Chromium

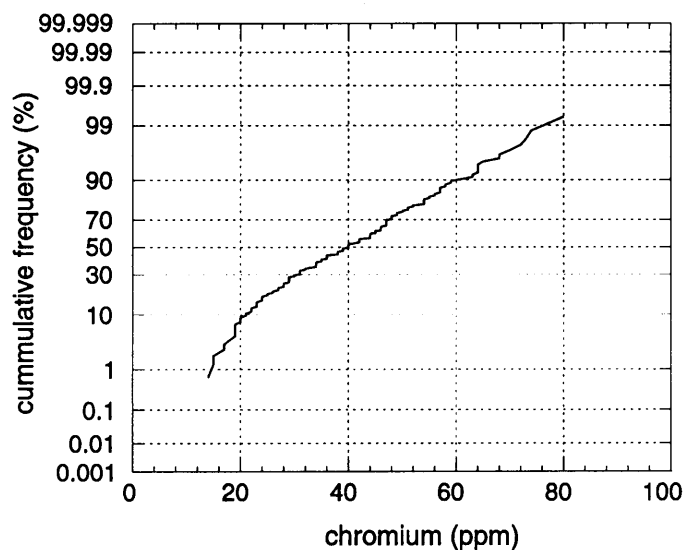
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 1 ppm

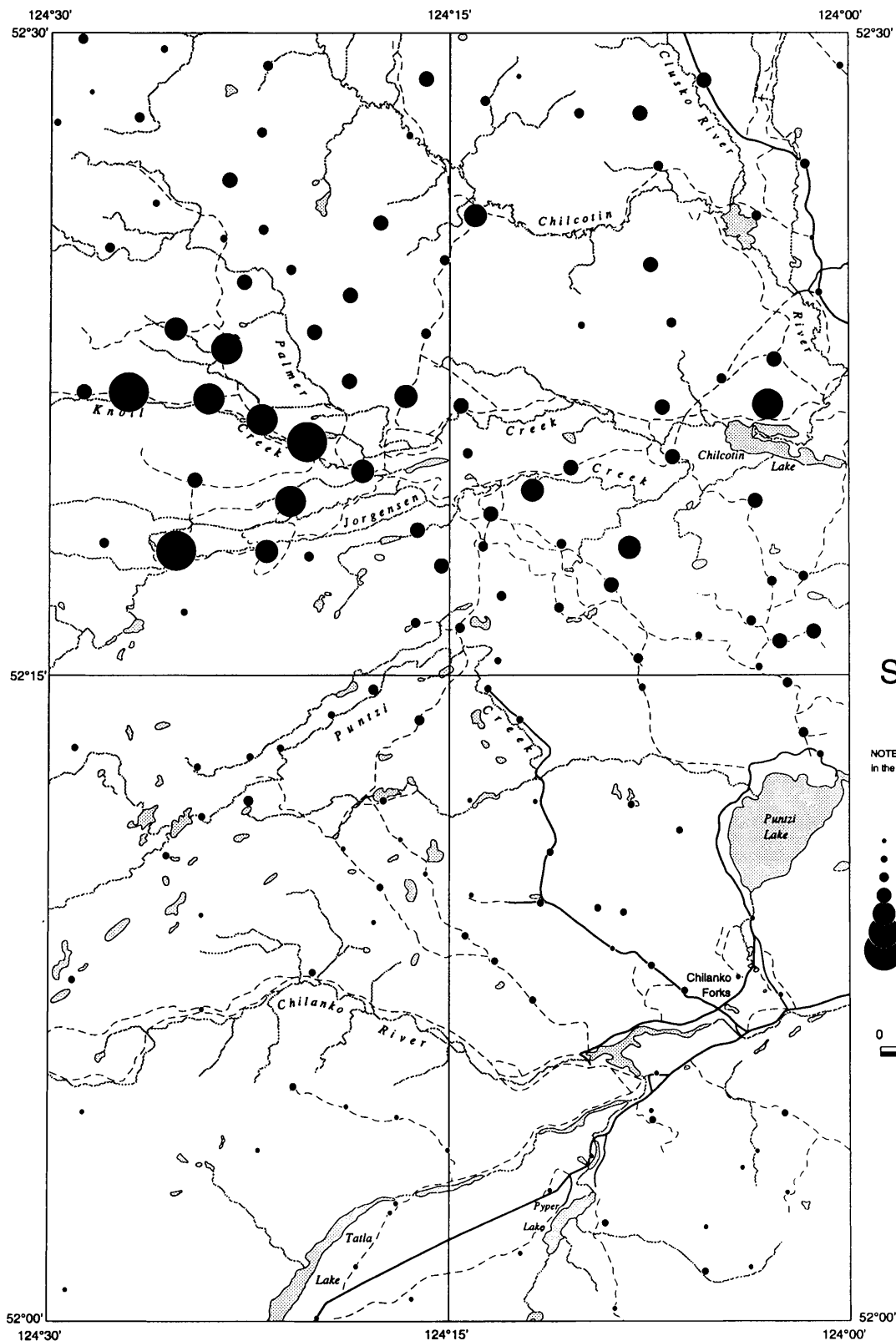
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 14
Maximum: 80
Mean: 40.2
Mode: 47
Median: 40
Lower quartile: 29
Upper quartile: 50
Standard deviation: 14.7
Coefficient of variation: 2.7

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Chromium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	14	28	38	24.7
•	28	40	43	52.6
•	40	49	34	74.7
•	49	59	24	90.3
•	59	64	7	94.8
•	64	72	5	98.1
•	72	80	3	100



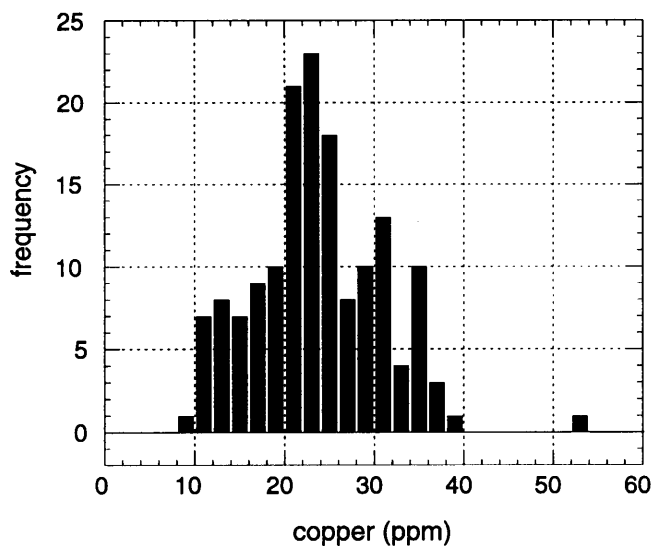
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Cr

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Copper

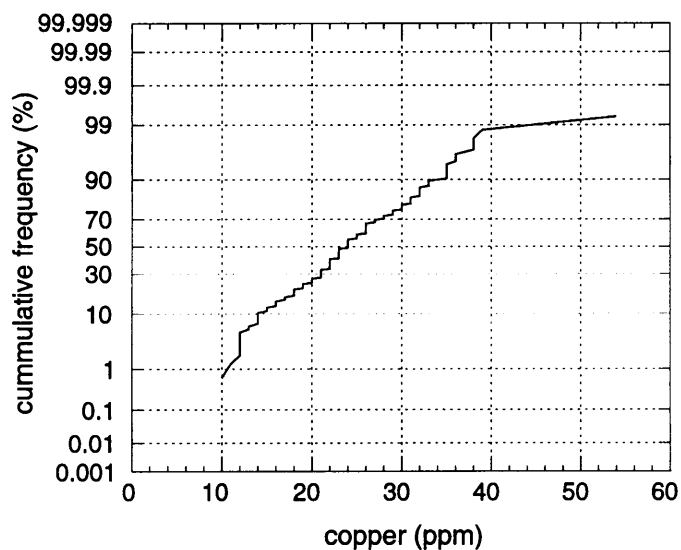
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 1 ppm

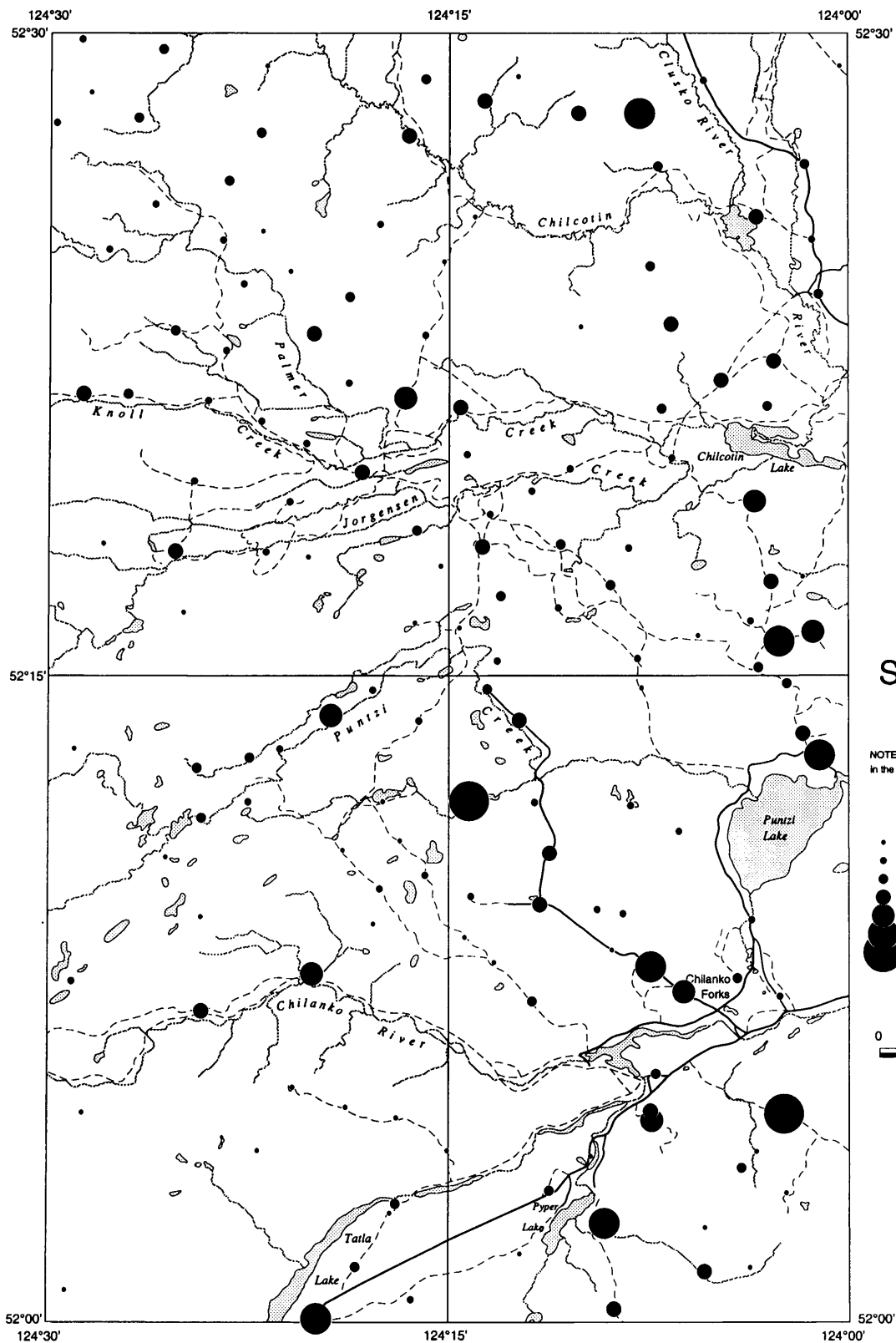
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 10
Maximum: 54
Mean: 24.3
Mode: 22
Median: 24
Lower quartile: 20
Upper quartile: 29
Standard deviation: 7.1
Coefficient of variation: 3.4

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend

Copper (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	10	20	42	27.3
•	20	24	44	55.8
•	24	29	31	76
•	29	33	22	90.3
•	33	35	7	94.8
•	35	38	6	98.7
•	38	54	2	100



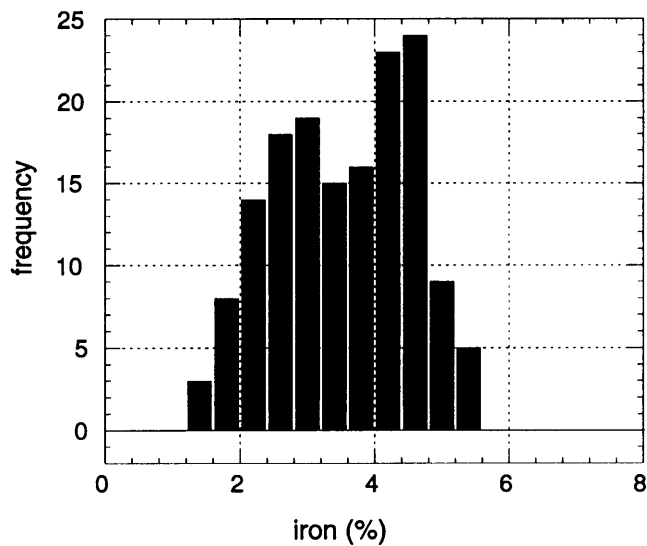
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Cu

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Iron

Frequency Histogram



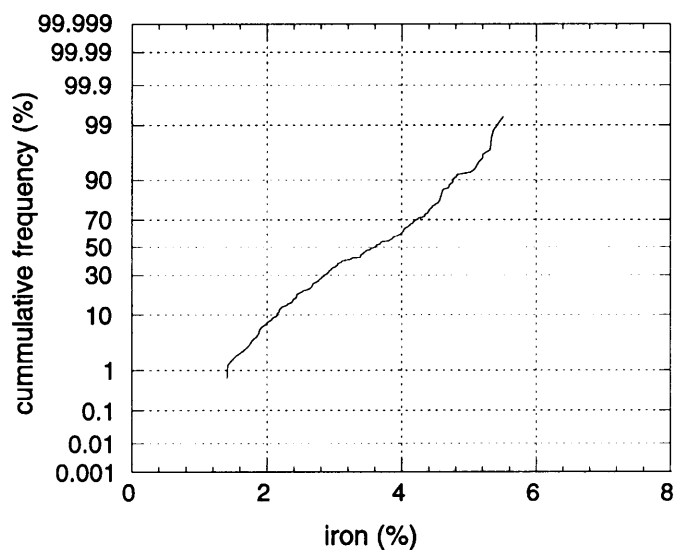
Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 0.01 %

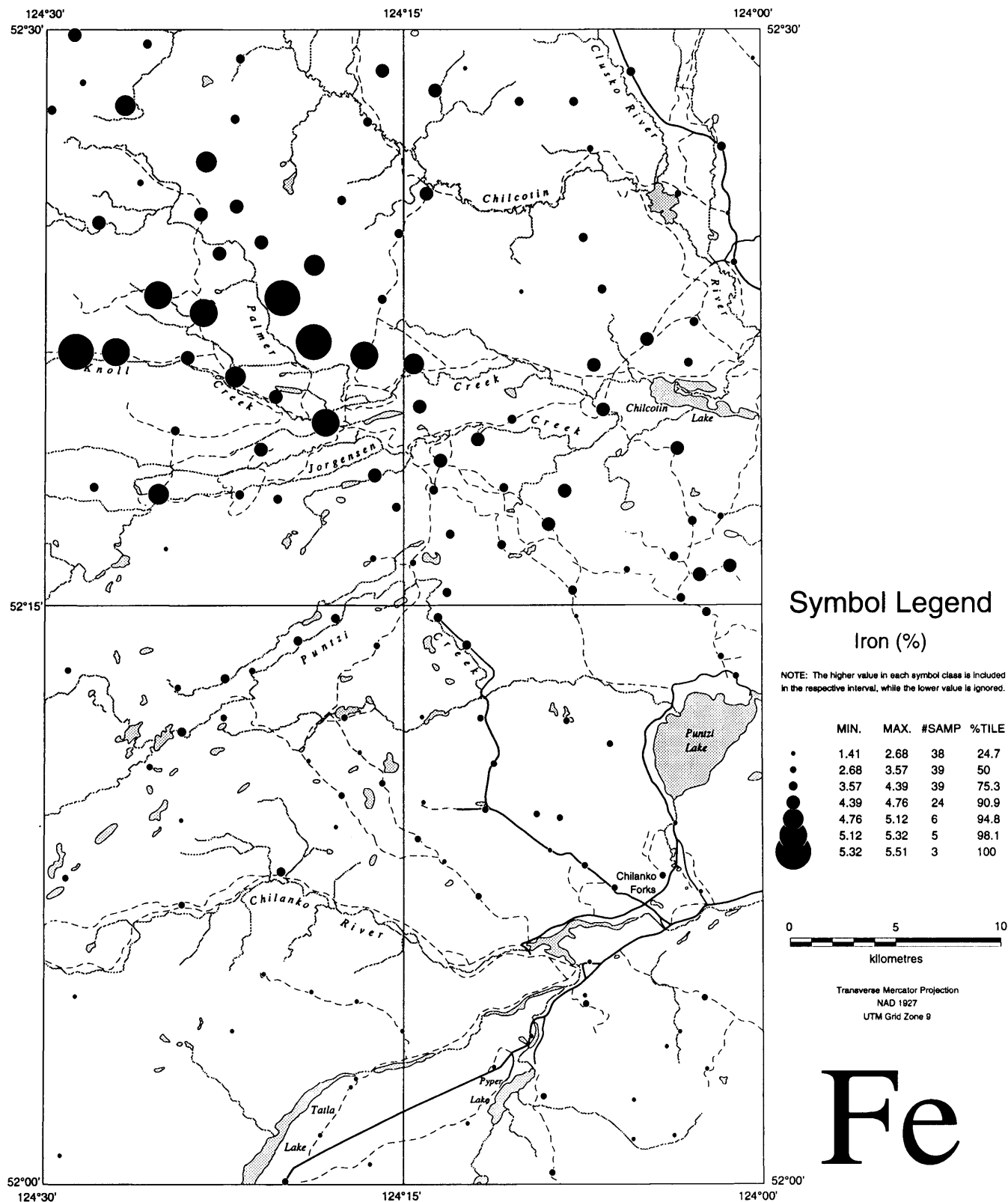
Summary Statistics

Number of samples: 154
Minimum: 1.41
Maximum: 5.51
Mean: 3.53
Mode: 3.05
Median: 3.59
Lower quartile: 2.71
Upper quartile: 4.39
Standard deviation: 1.02
Coefficient of variation: 3.46

Normal Probability Curve



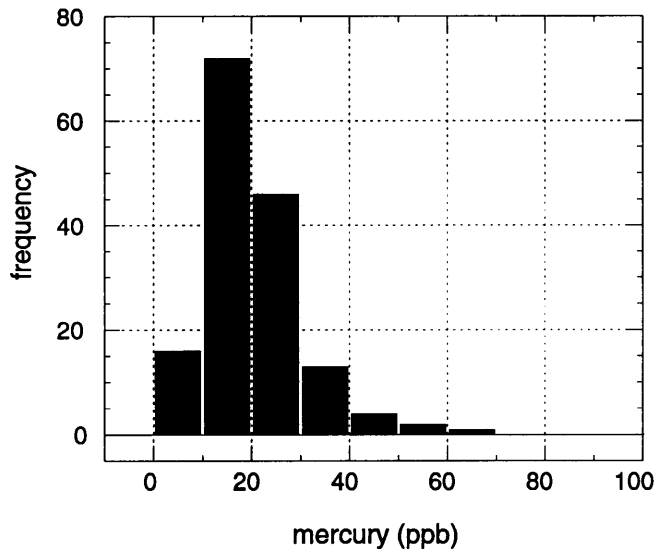
Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Mercury

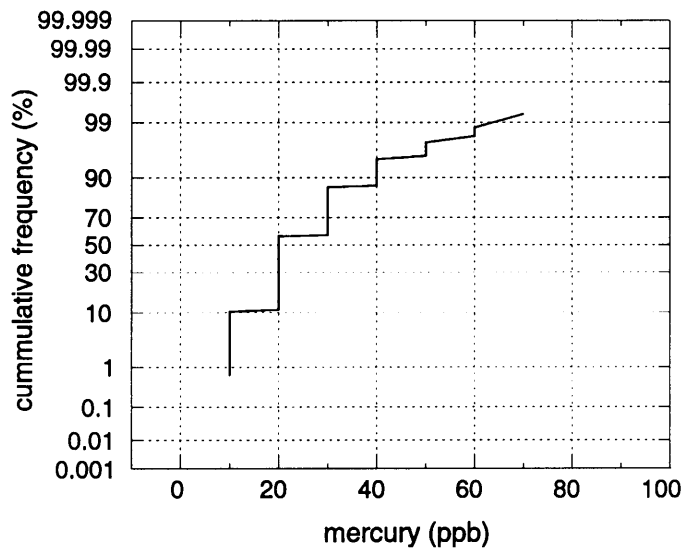
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 10 ppb

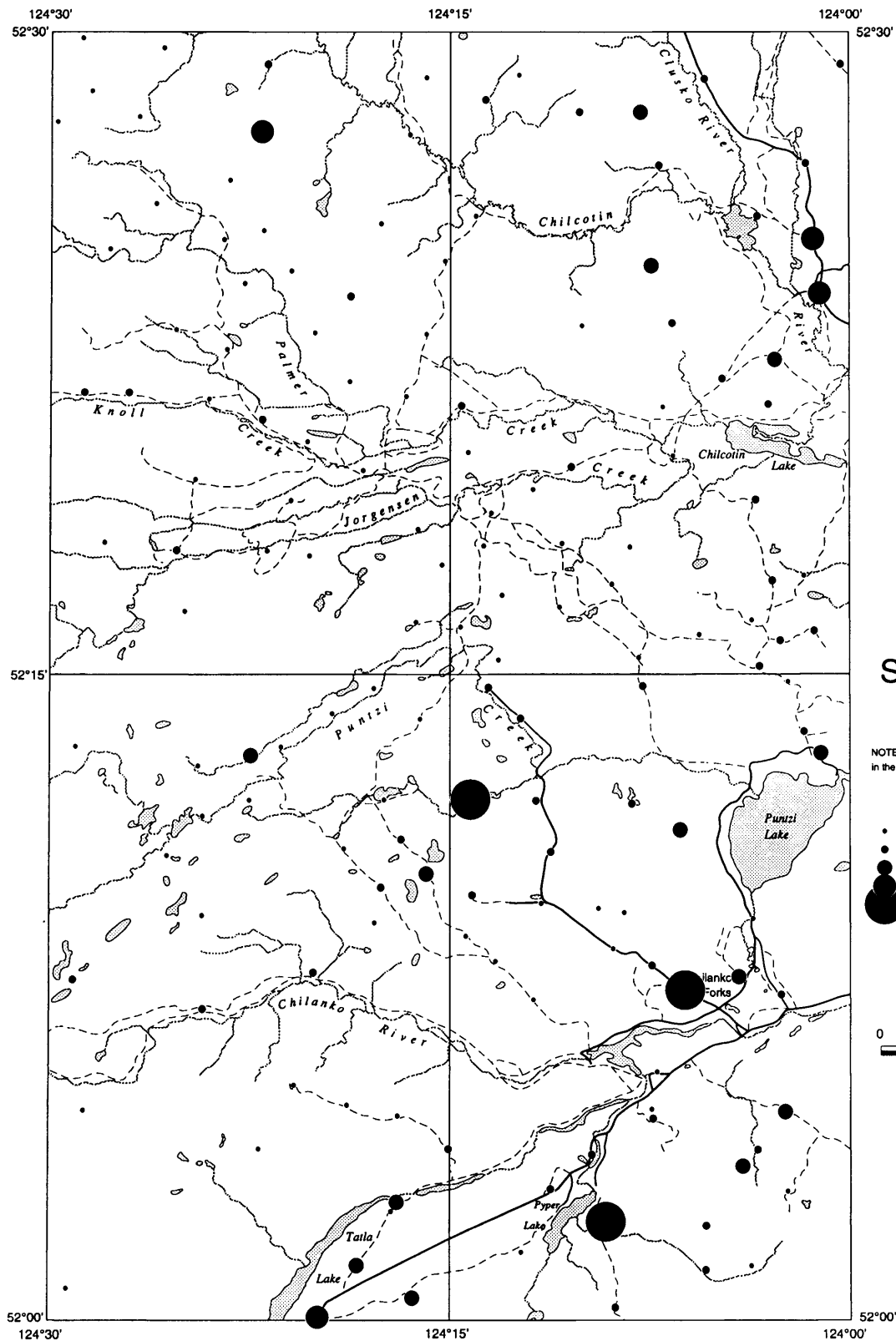
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 10
Maximum: 70
Mean: 25.3
Mode: 20
Median: 20
Lower quartile: 20
Upper quartile: 30
Standard deviation: 10.4
Coefficient of variation: 2.4

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08

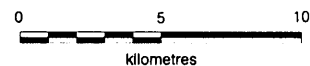


Symbol Legend

Mercury (ppb)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	10	20	88	57.1
•	20	30	46	87
•	30	40	13	95.5
•	40	50	4	98.1
•	50	70	3	100



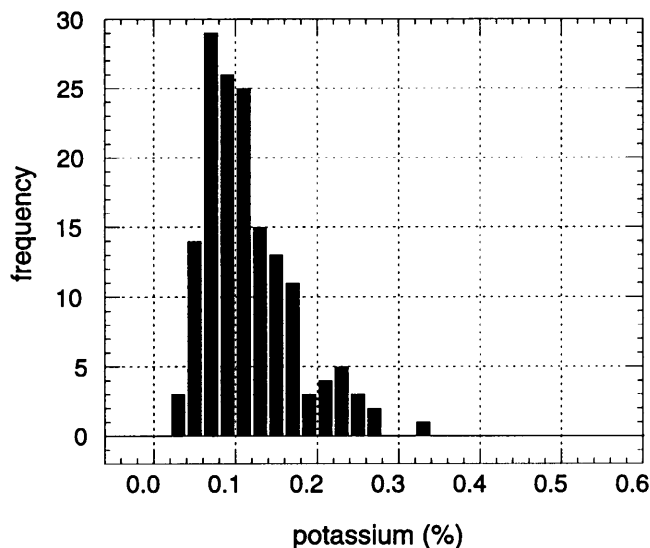
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Hg

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Potassium

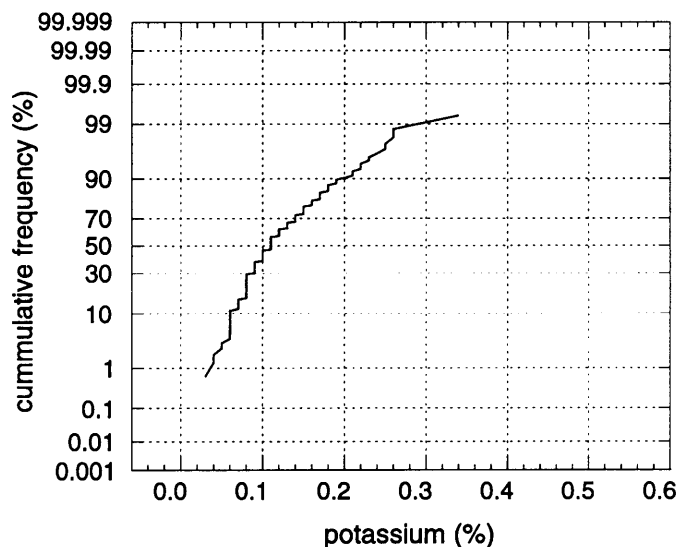
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 0.01 %

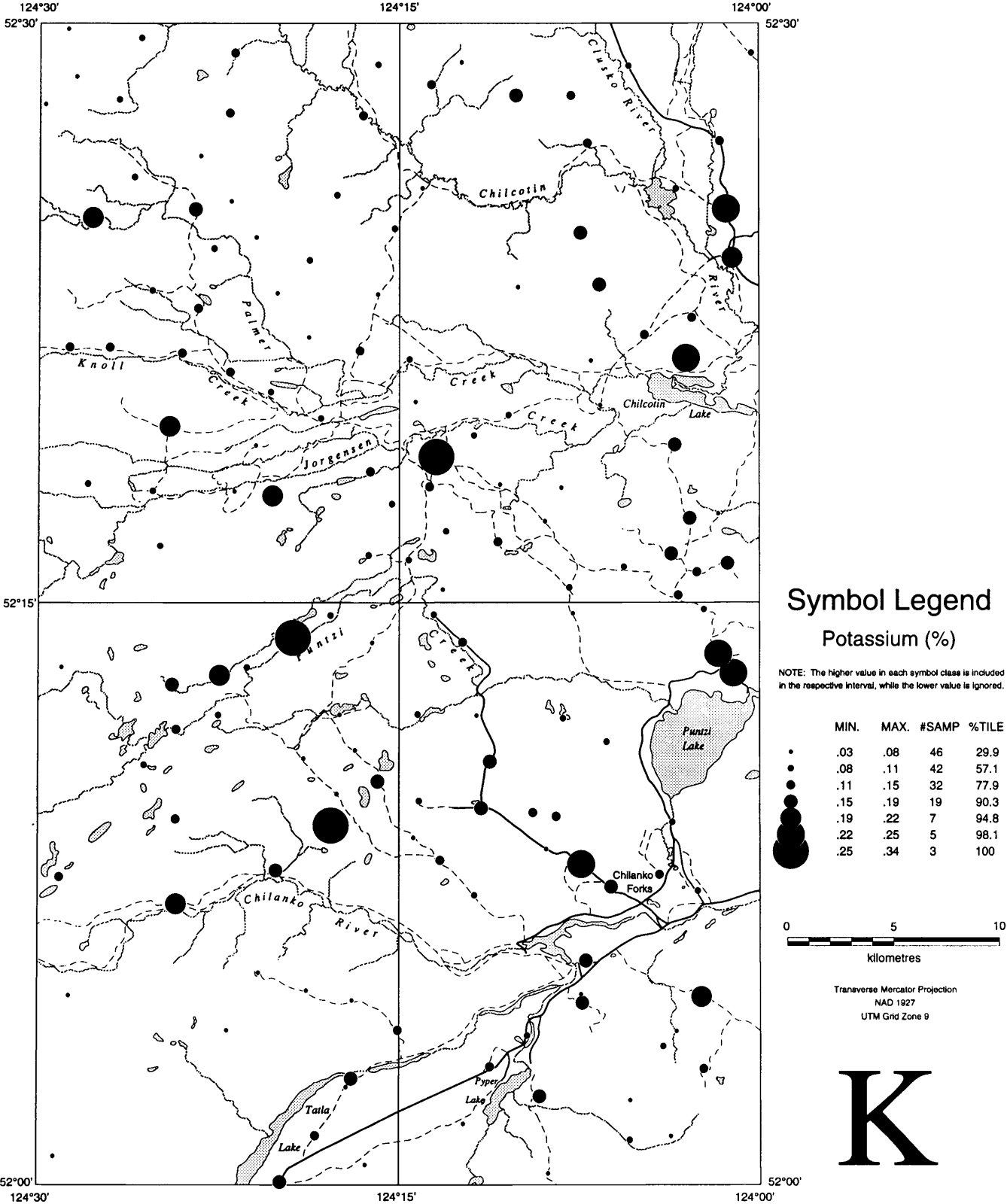
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 0.03
Maximum: 0.34
Mean: 0.12
Mode: 0.08
Median: 0.11
Lower quartile: 0.08
Upper quartile: 0.15
Standard deviation: 0.05
Coefficient of variation: 2.4

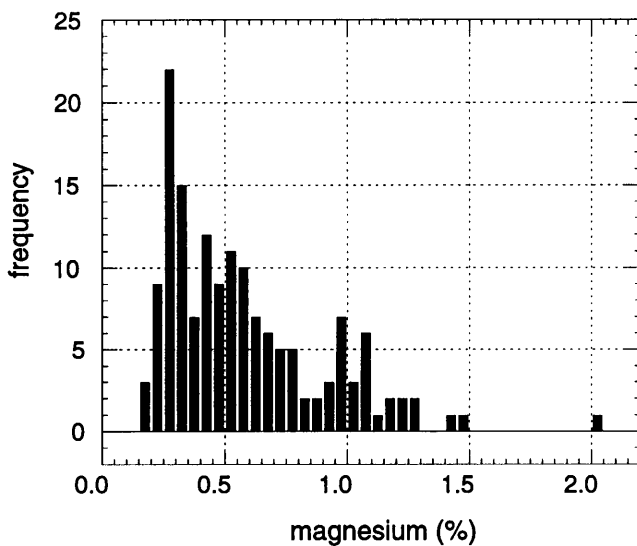
Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Magnesium

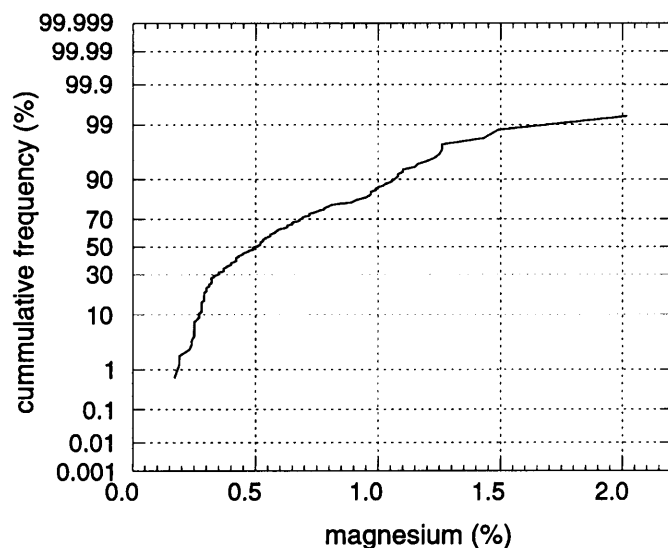
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 0.01 %

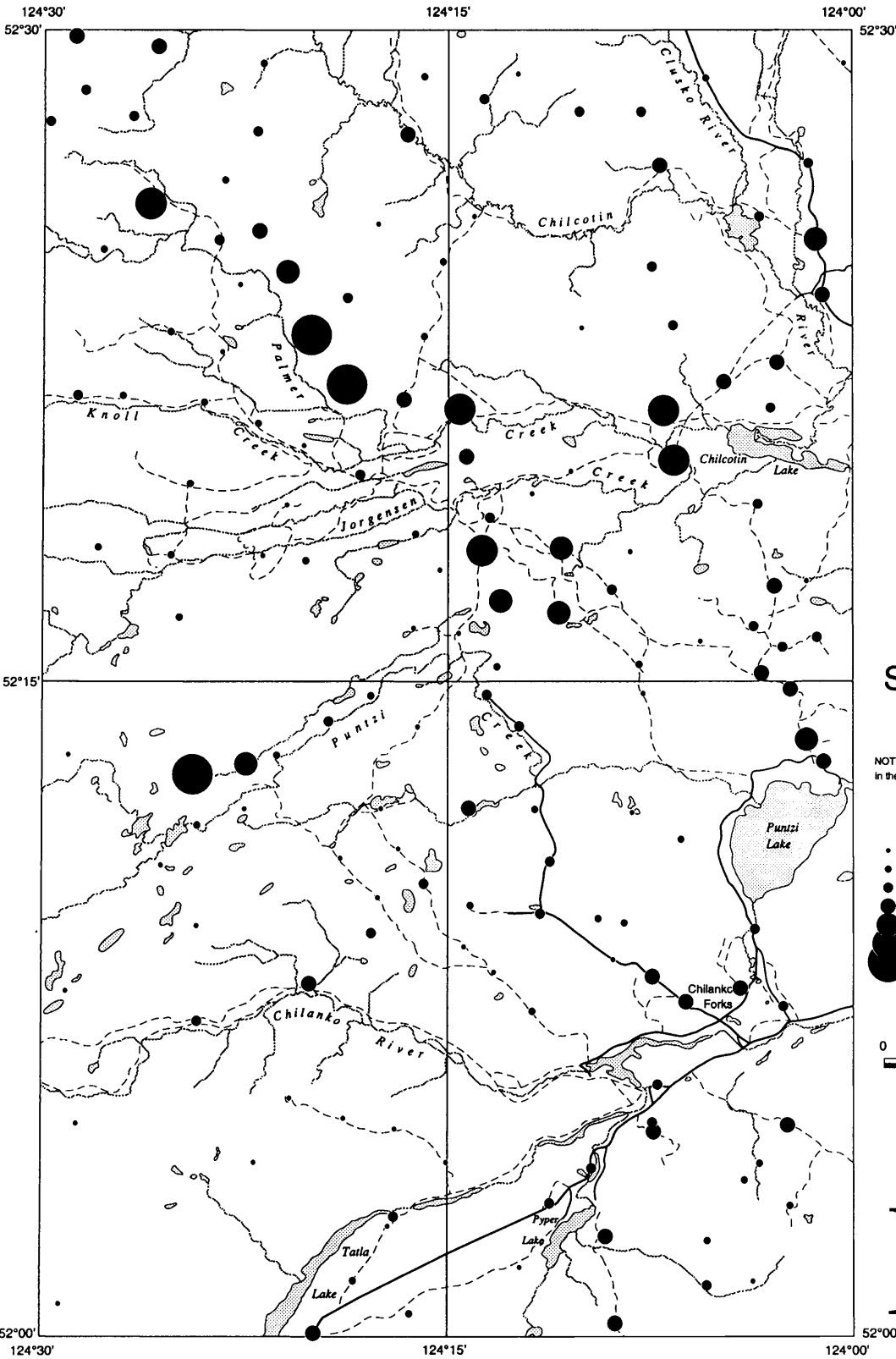
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 0.17
Maximum: 2.02
Mean: 0.58
Mode: 0.29
Median: 0.50
Lower quartile: 0.32
Upper quartile: 0.75
Standard deviation: 0.32
Coefficient of variation: 1.81

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Magnesium (%)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	.17	.32	43	27.9
•	.32	.49	34	50
•	.49	.74	38	74.7
•	.74	1.06	24	90.3
•	1.06	1.16	7	94.8
•	1.16	1.26	5	98.1
•	1.26	2.02	3	100



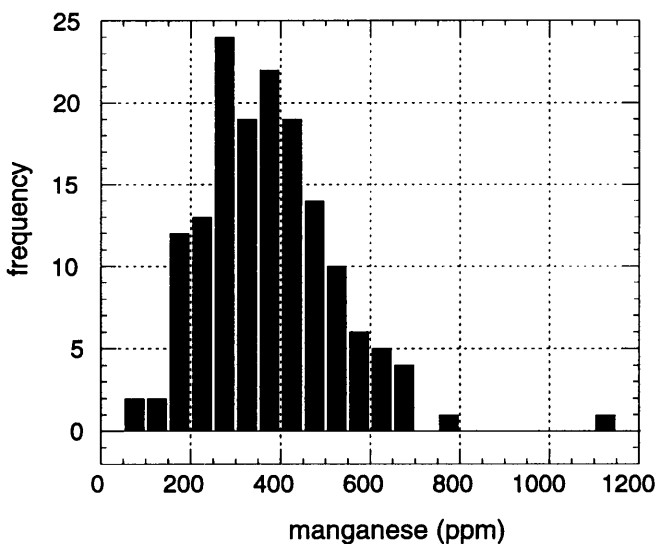
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Mg

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Manganese

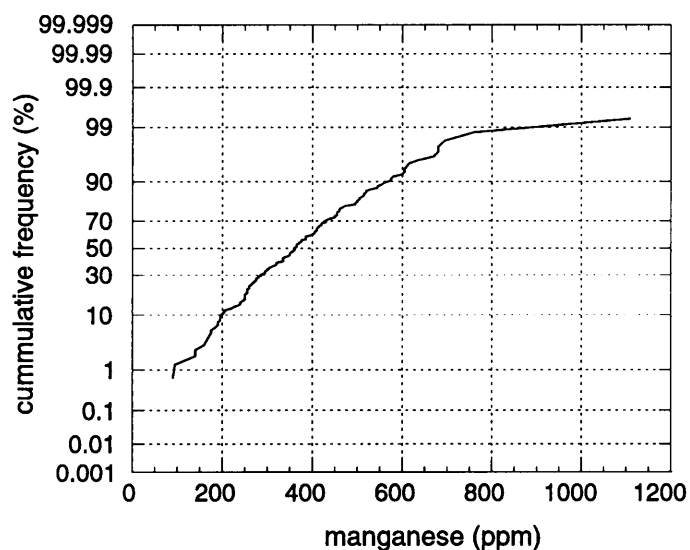
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 5 ppm

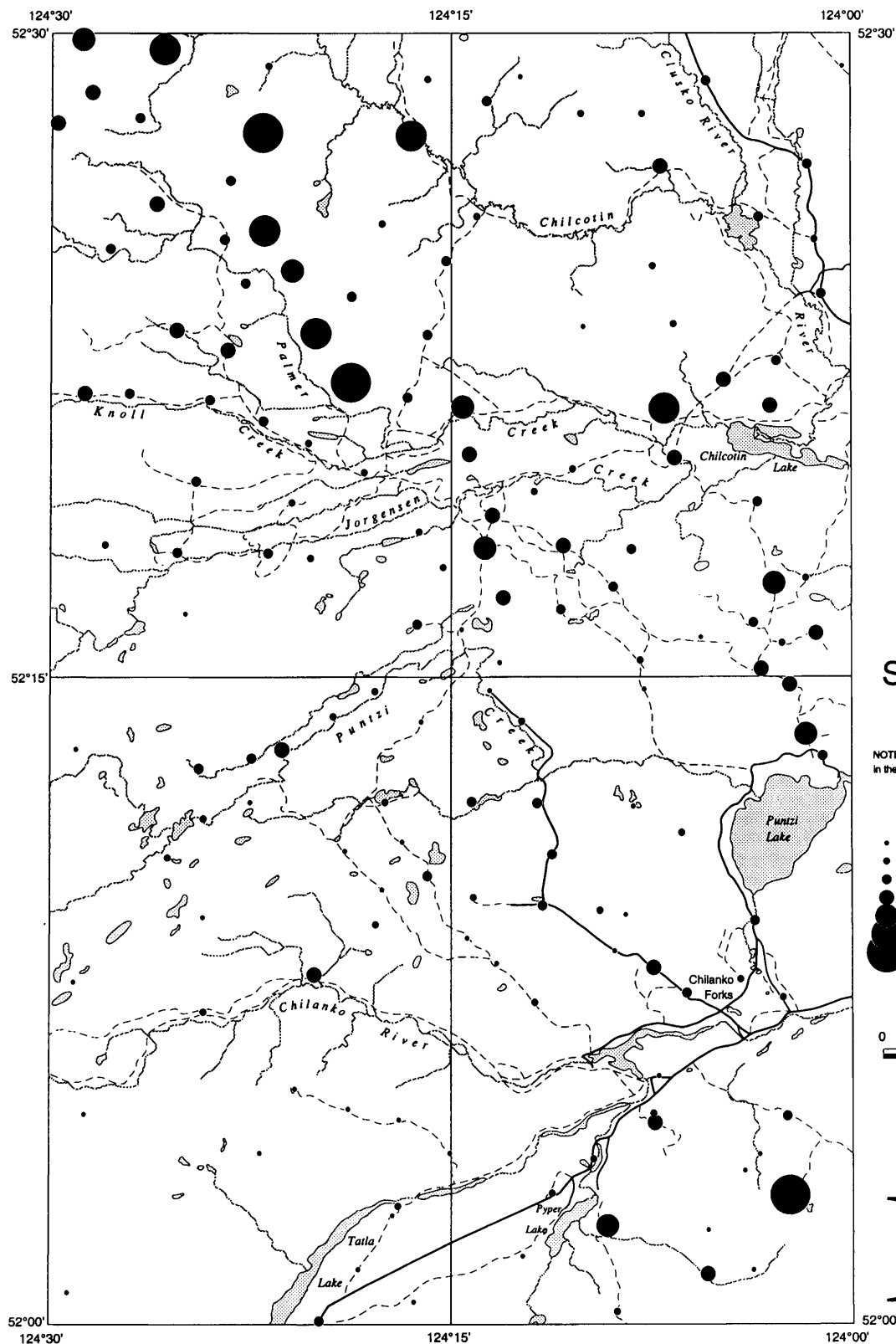
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 90
Maximum: 1110
Mean: 375
Mode: 335
Median: 360
Lower quartile: 270
Upper quartile: 455
Standard deviation: 146
Coefficient of variation: 2.6

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Molybdenum

Frequency Histogram

No Data Graphed.

Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 1 ppm

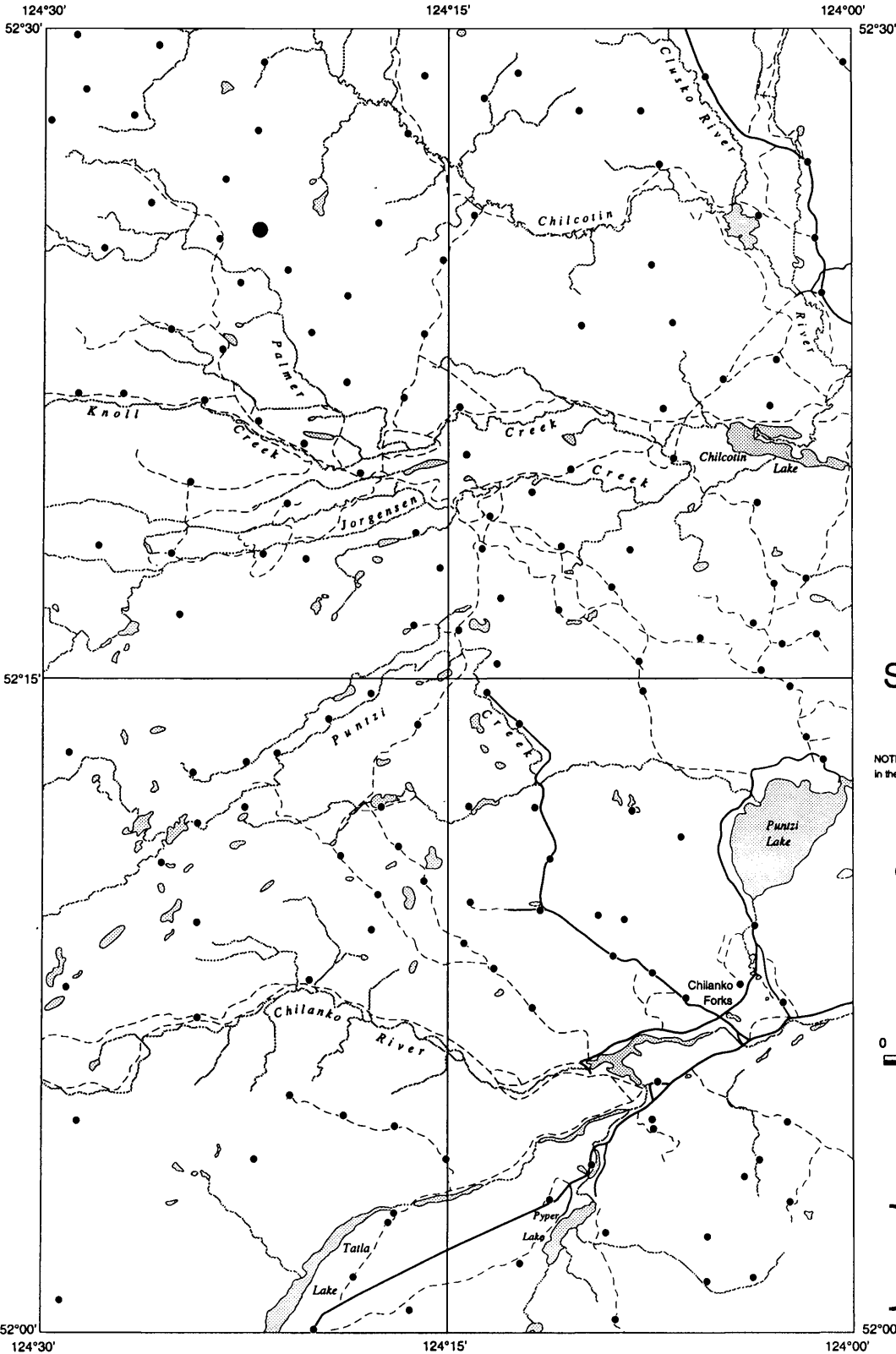
Normal Probability Curve

No Data Graphed.

Summary Statistics

Number of samples: 154
Minimum: 1
Maximum: 2
Mean: 1
Mode: 1
Median: 1
Lower quartile: 1
Upper quartile: 1
Standard deviation: 0
Coefficient of variation: 0

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend

Molybdenum (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

MIN.	MAX.	#SAMP	%TILE
•	1	153	99.4
●	2	1	100



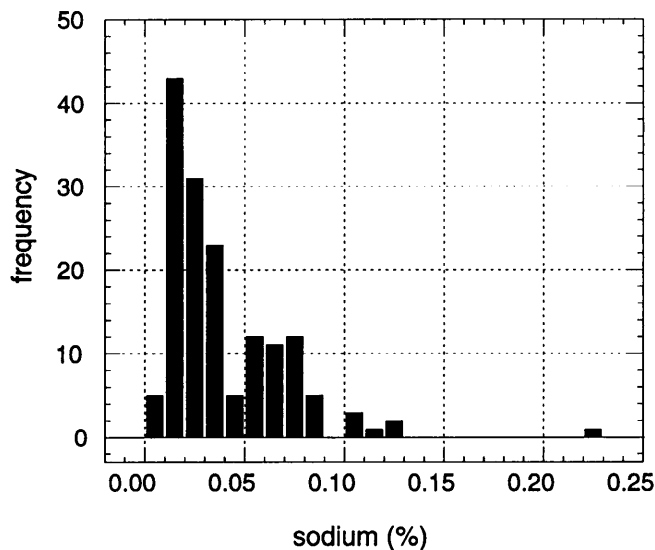
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Mo

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Sodium

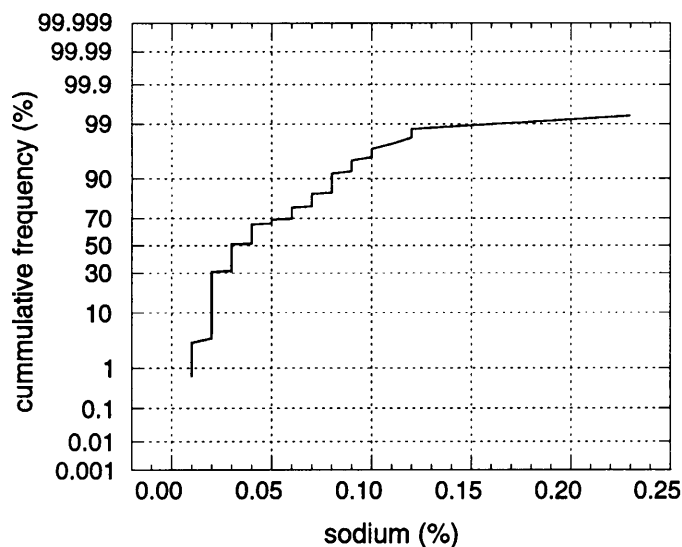
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 0.01 %

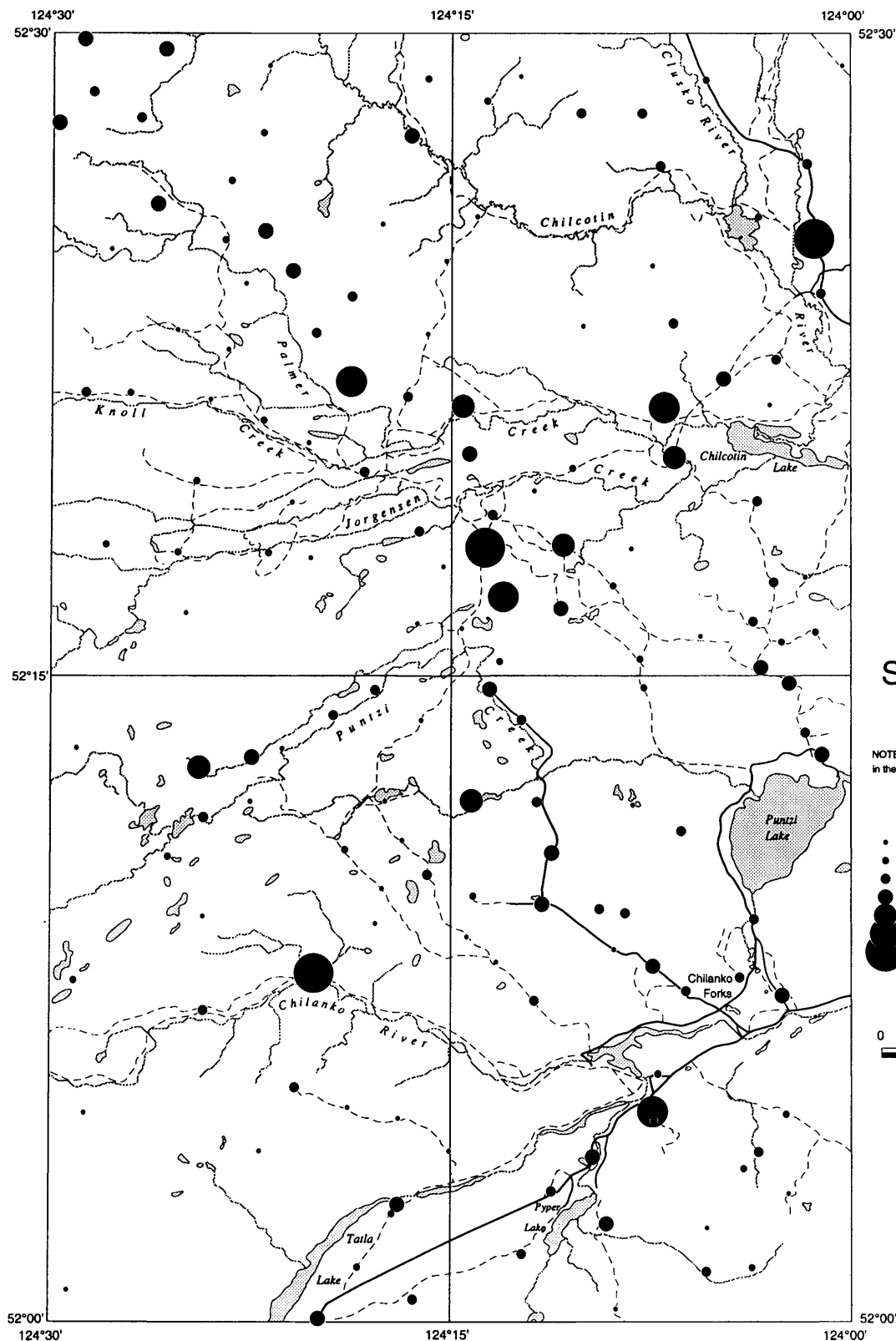
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 0.01
Maximum: 0.23
Mean: 0.04
Mode: 0.02
Median: 0.03
Lower quartile: 0.02
Upper quartile: 0.06
Standard deviation: 0.03
Coefficient of variation: 1.3

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Sodium (%)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	.01	.02	48	31.2
•	.02	.03	31	51.3
•	.03	.06	40	77.3
•	.06	.08	23	92.2
•	.08	.09	5	95.5
•	.09	.11	4	98.1
•	.11	.23	3	100



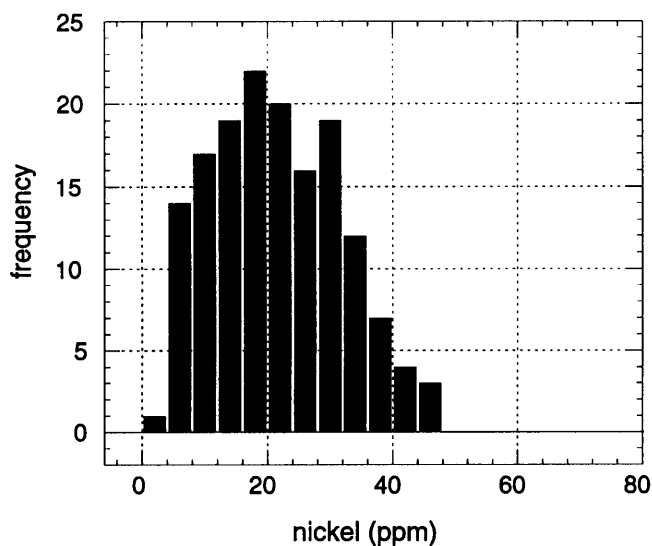
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Na

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Nickel

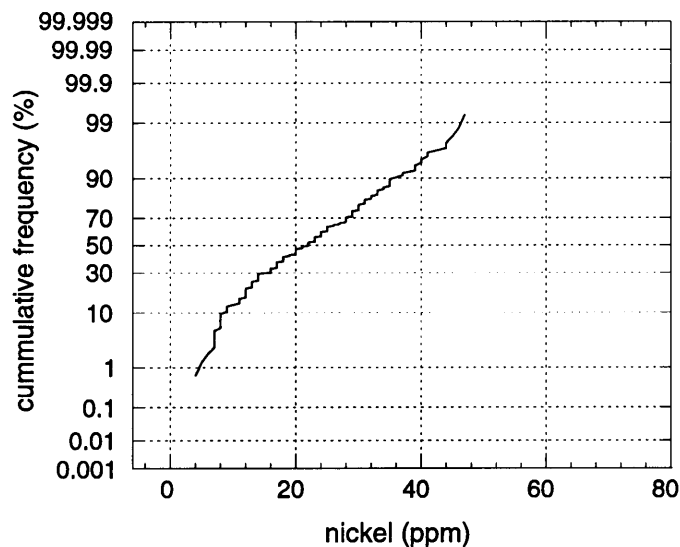
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 1 ppm

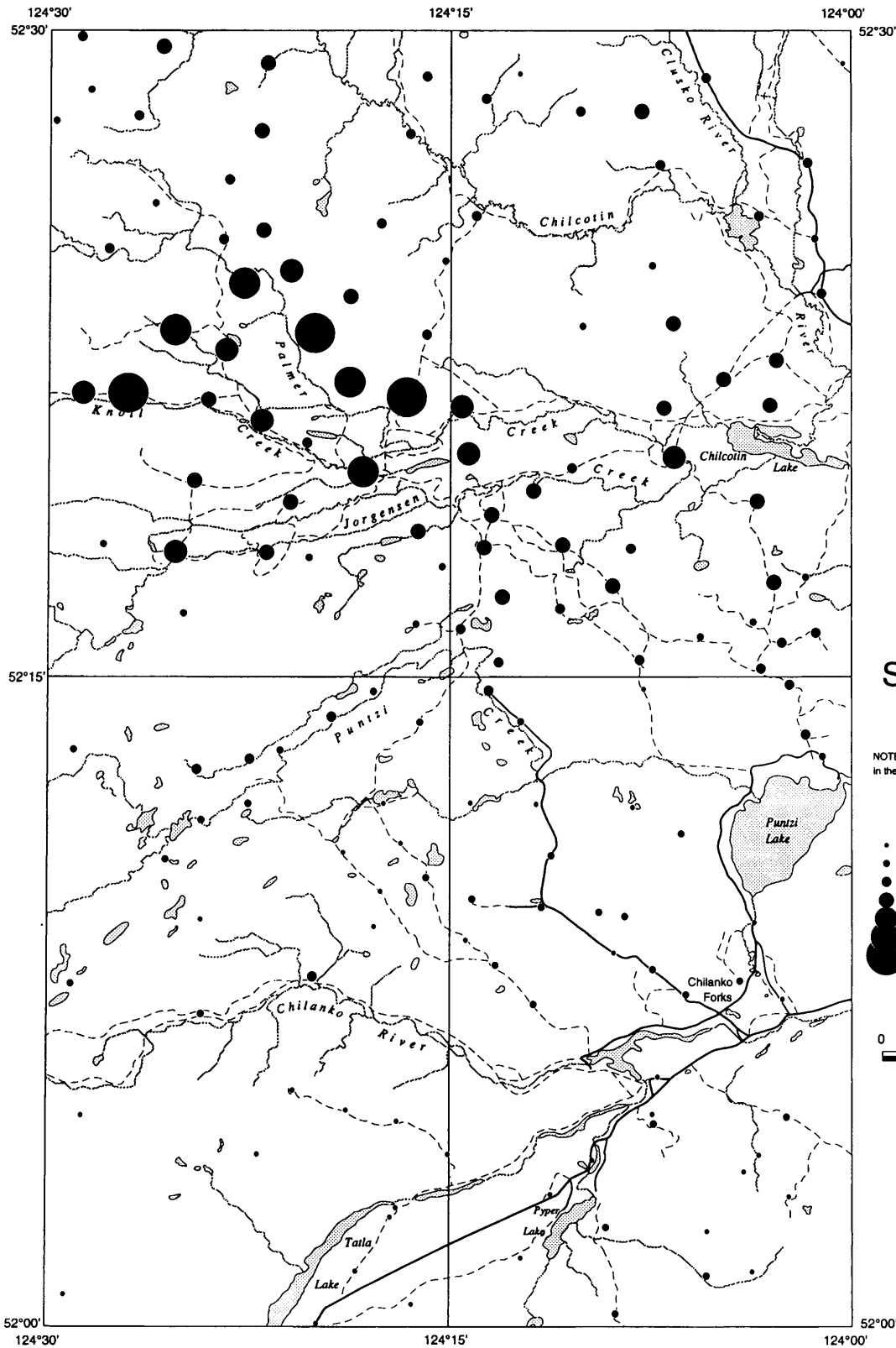
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 4
Maximum: 47
Mean: 22.1
Mode: 14
Median: 22
Lower quartile: 14
Upper quartile: 30
Standard deviation: 10.2
Coefficient of variation: 2.1

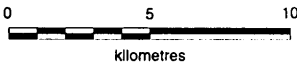
Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Nickel (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	4	13	38	24.7
•	13	22	43	52.6
•	22	29	34	74.7
•	29	35	24	90.3
•	35	40	8	95.5
•	40	44	4	98.1
•	44	47	3	100



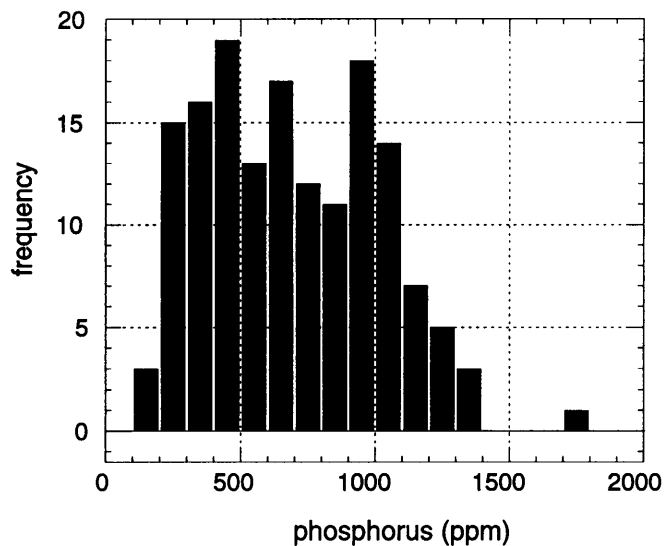
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Ni

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Phosphorus

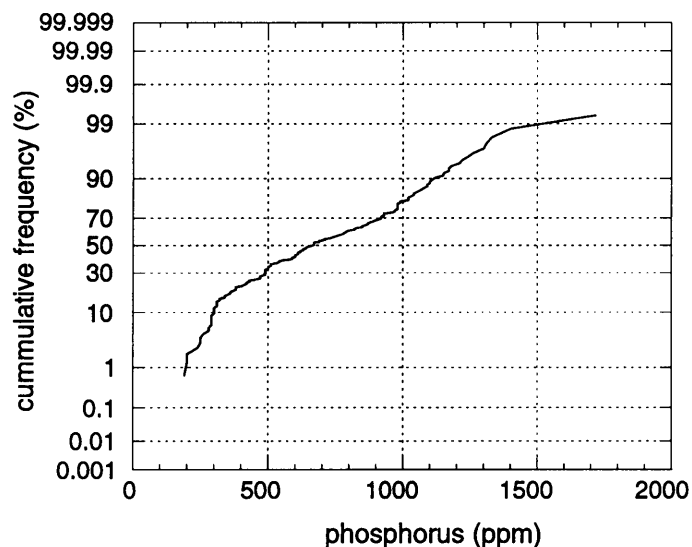
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 10 ppm

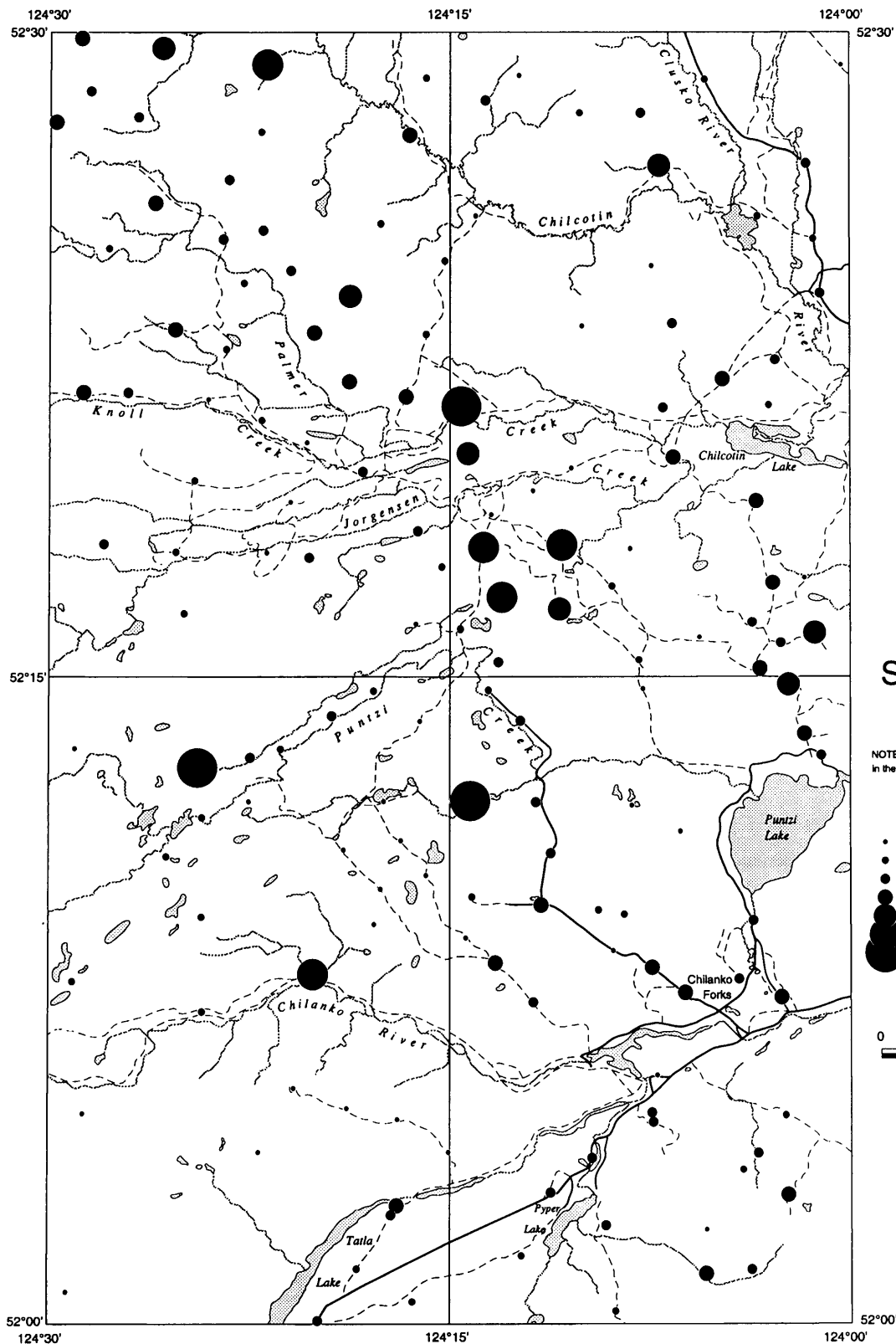
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 190
Maximum: 1720
Mean: 702
Mode: 980
Median: 665
Lower quartile: 430
Upper quartile: 970
Standard deviation: 317
Coefficient of variation: 2.2

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Phosphorus (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

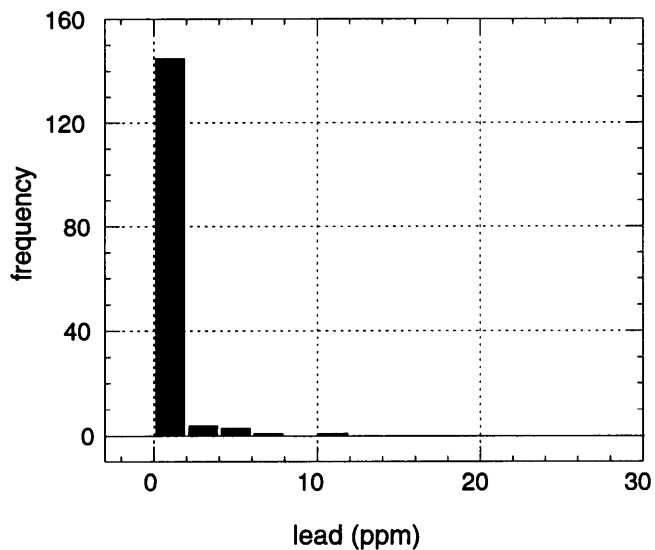
	MIN.	MAX.	#SAMP	%TILE
•	190	430	39	25.3
•	430	660	38	50
•	660	970	39	75.3
•	970	1110	23	90.3
•	1110	1210	7	94.8
•	1210	1310	5	98.1
•	1310	1720	3	100

P

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Lead

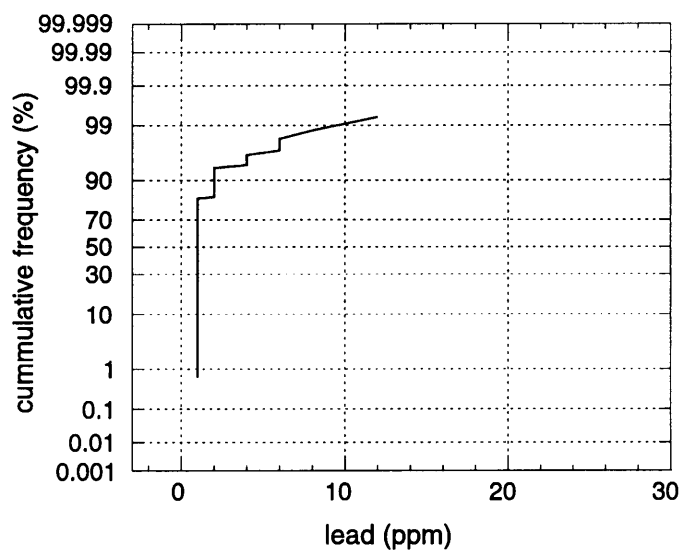
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 2 ppm

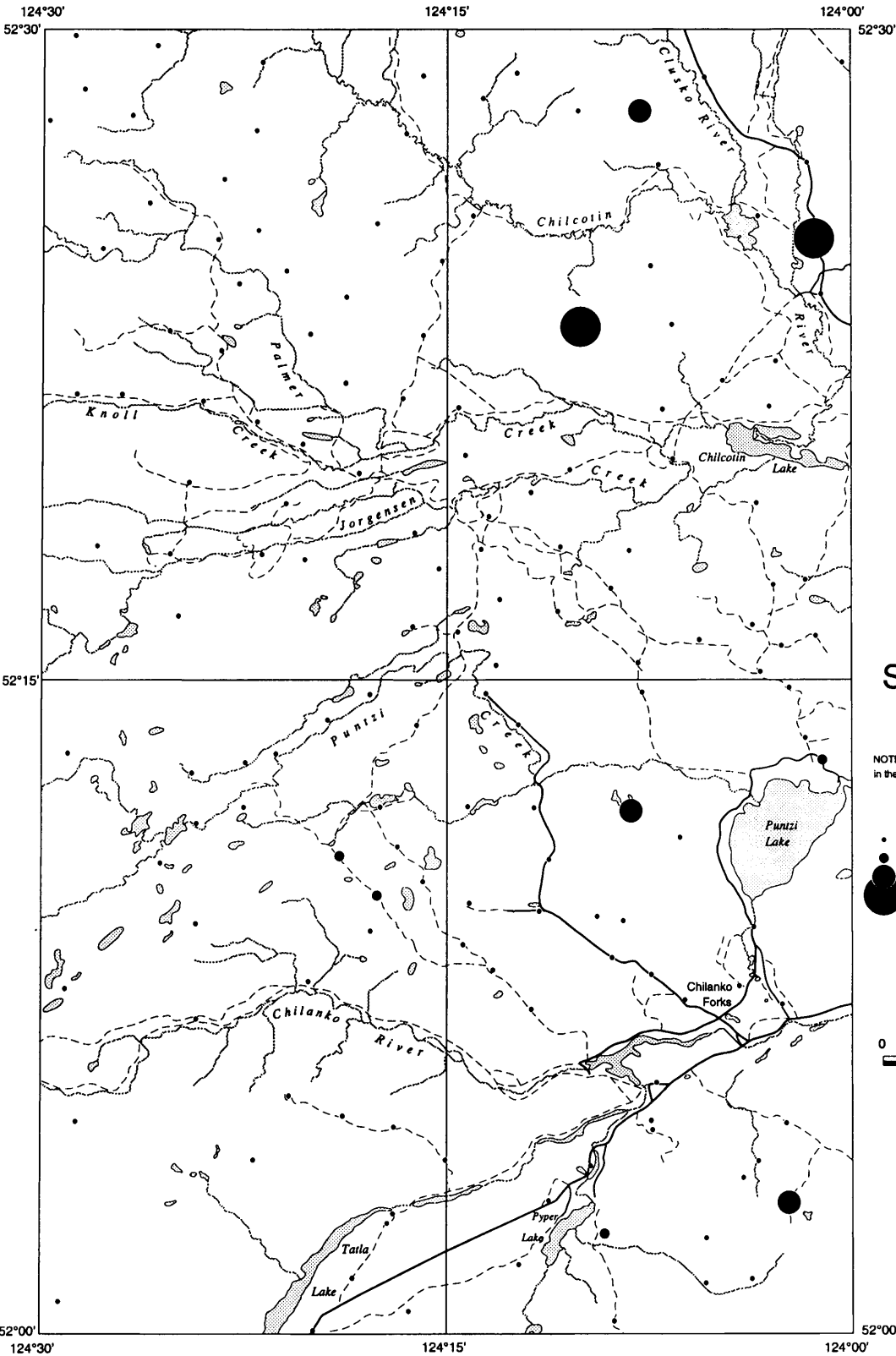
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: <2
Maximum: 12
Mean: 1.4
Mode: 1
Median: 1
Lower quartile: 1
Upper quartile: 1
Standard deviation: 1.3
Coefficient of variation: 1.1

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend

Lead (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

MIN.	MAX.	#SAMP	%TILE
1	2	145	94.2
2	4	4	96.8
4	6	3	98.7
6	12	2	100



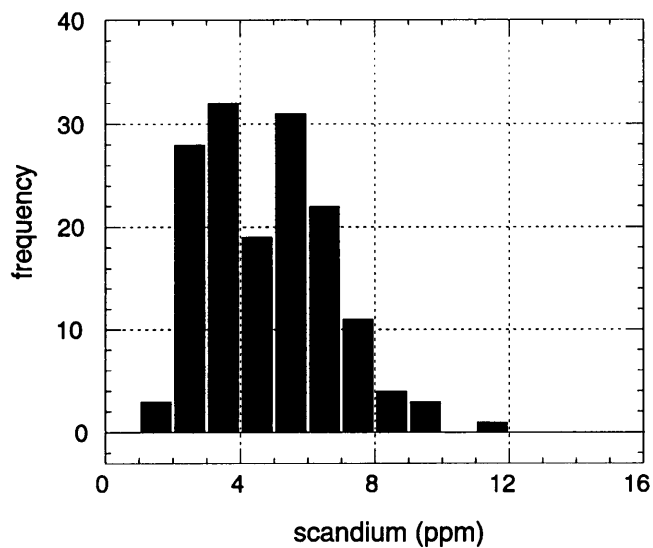
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Pb

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Scandium

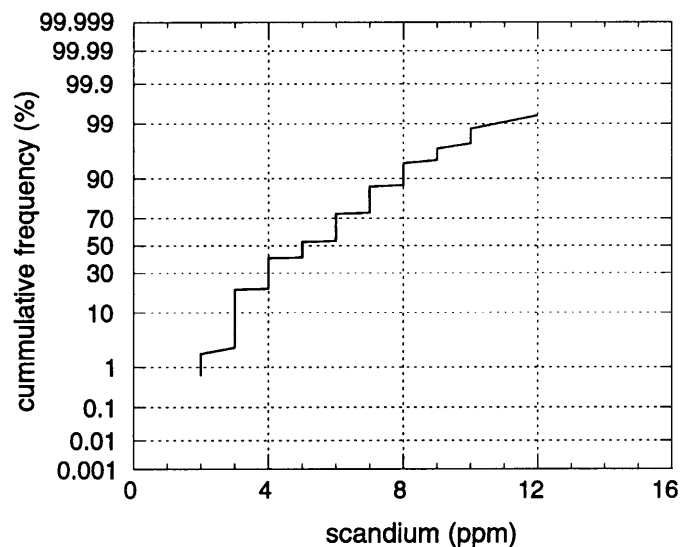
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 1 ppm

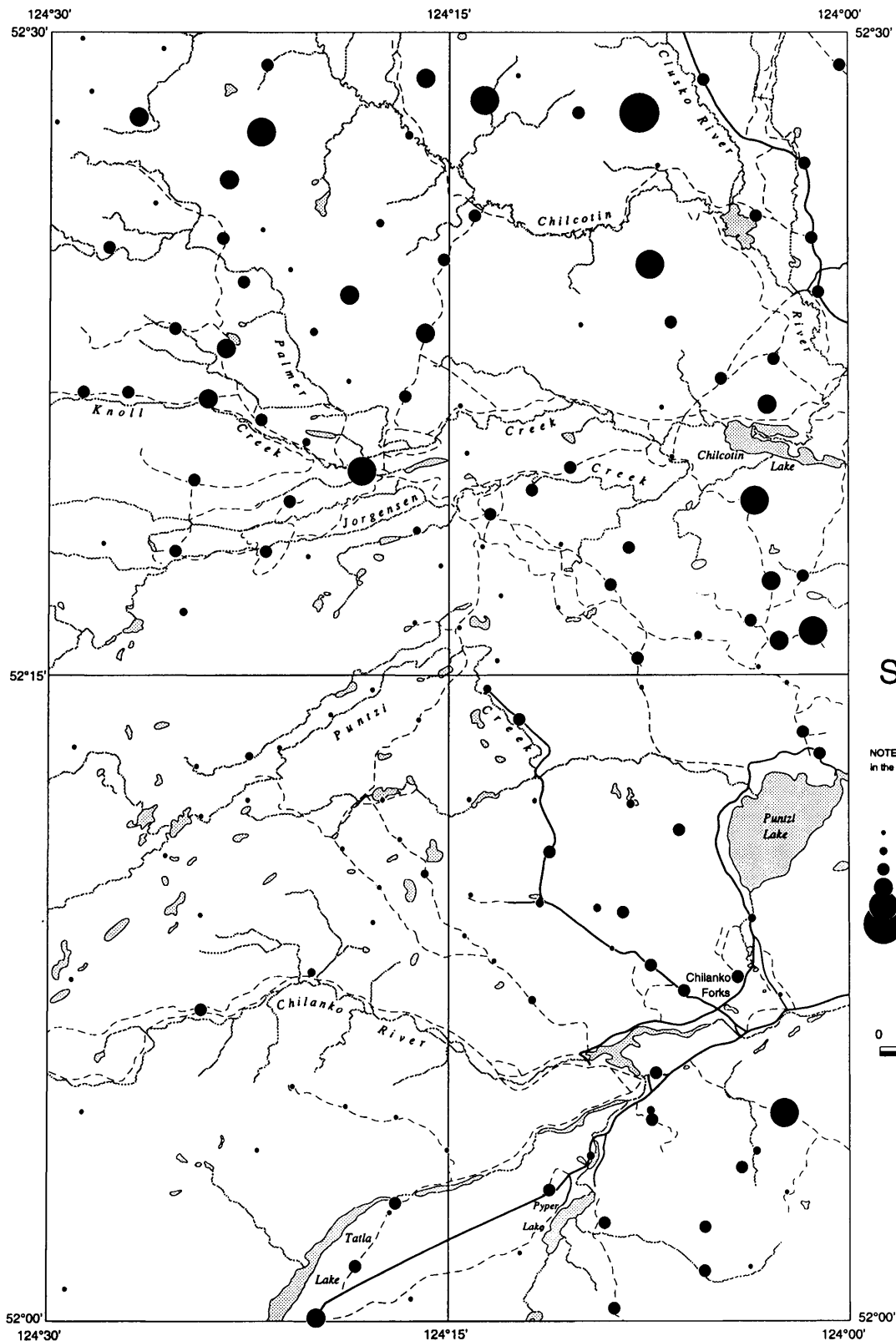
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 2
Maximum: 12
Mean: 5.3
Mode: 4
Median: 5
Lower quartile: 4
Upper quartile: 7
Standard deviation: 1.9
Coefficient of variation: 2.8

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Scandium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	2	4	63	40.9
•	4	5	19	53.2
•	5	7	53	87.7
•	7	8	11	94.8
•	8	10	7	99.4
•	10	12	1	100



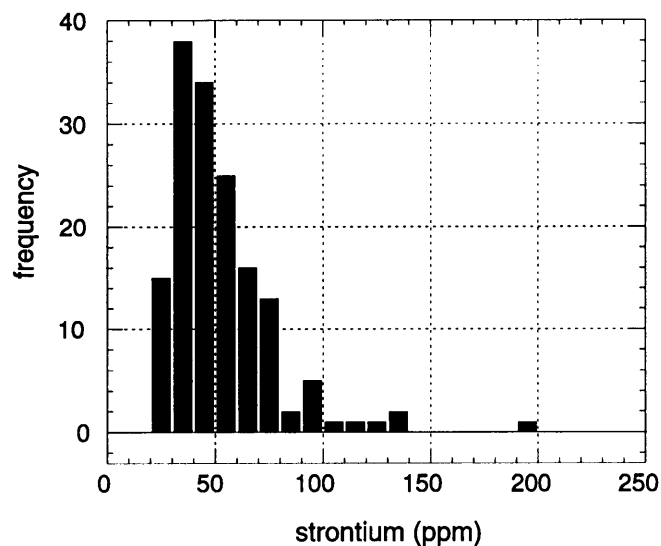
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Sc

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Strontium

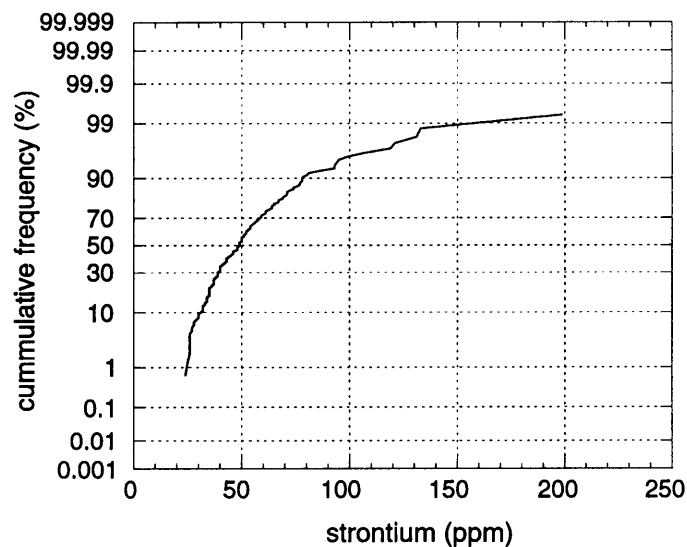
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 1 ppm

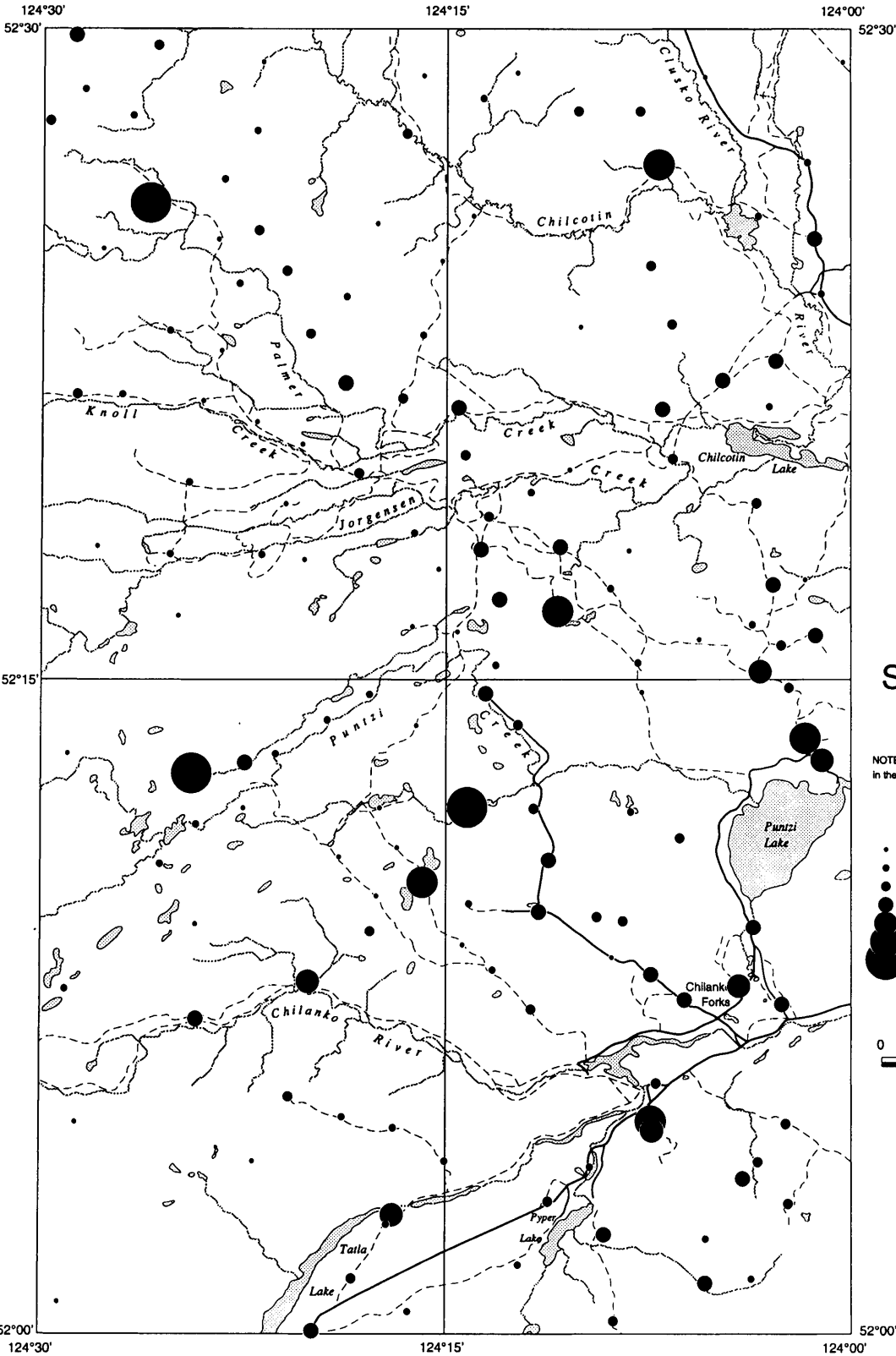
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 24
Maximum: 199
Mean: 53.3
Mode: 35
Median: 49
Lower quartile: 37
Upper quartile: 62
Standard deviation: 24.0
Coefficient of variation: 2.2

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Strontium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	24	37	40	26
•	37	49	41	52.6
•	49	61	34	74.7
•	61	78	25	90.9
•	78	94	6	94.8
•	94	121	5	98.1
•	121	199	3	100



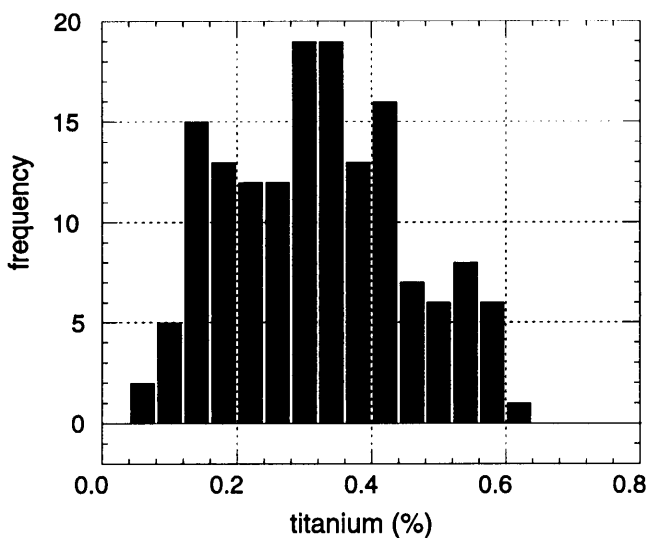
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Sr

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Titanium

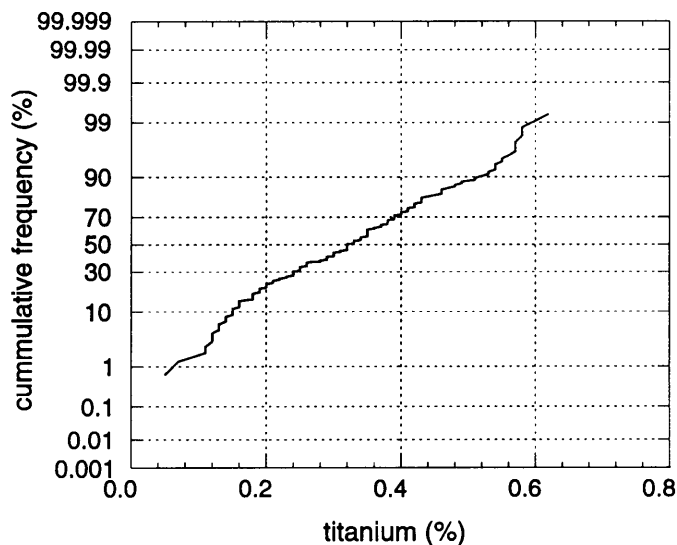
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 0.01 %

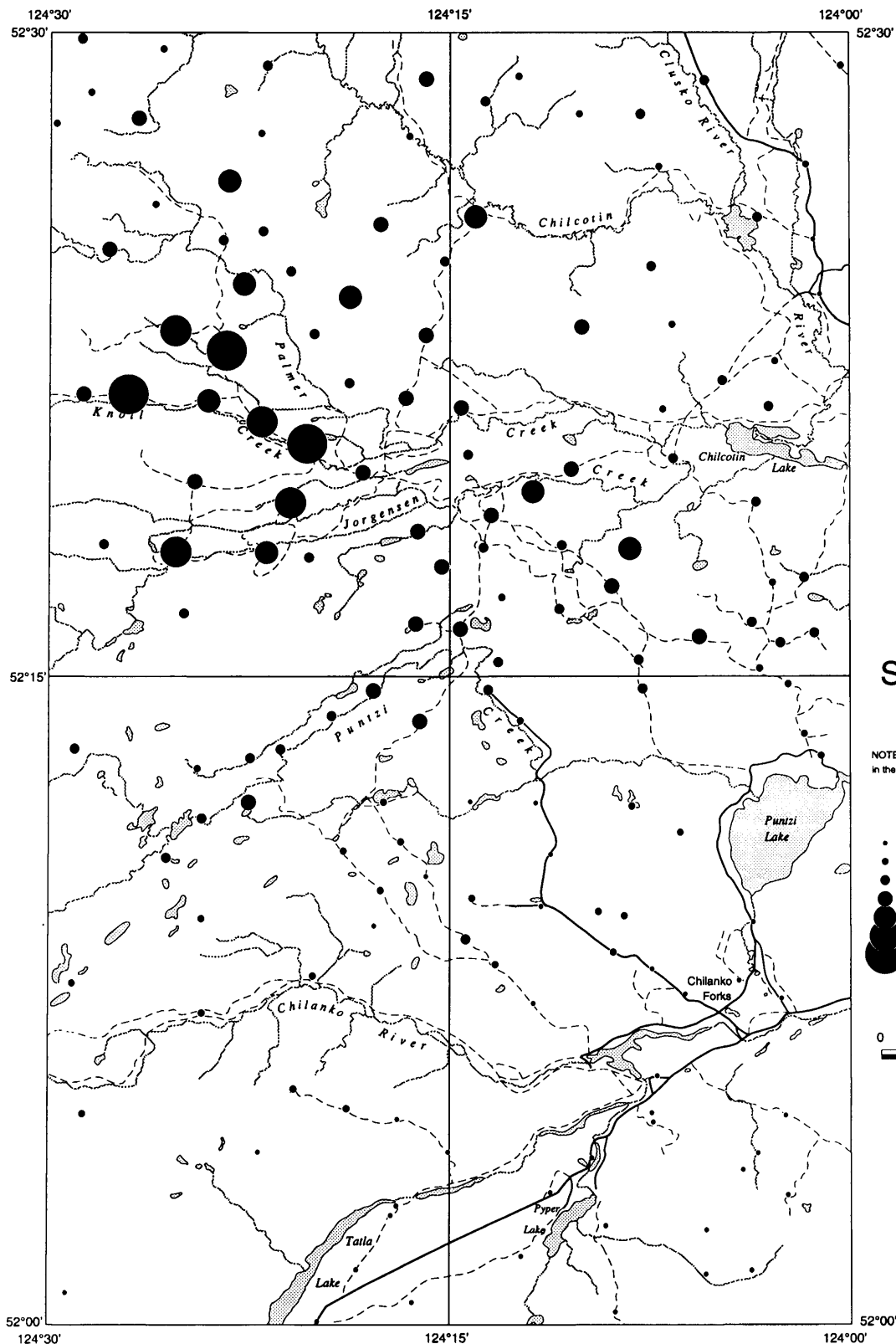
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 0.05
Maximum: 0.62
Mean: 0.32
Mode: 0.35
Median: 0.32
Lower quartile: 0.22
Upper quartile: 0.41
Standard deviation: 0.13
Coefficient of variation: 2.46

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Titanium (%)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	.05	.21	38	24.7
•	.21	.32	40	50.6
•	.32	.41	39	76
•	.41	.51	22	90.3
•	.51	.55	8	95.5
•	.55	.57	4	98.1
•	.57	.62	3	100



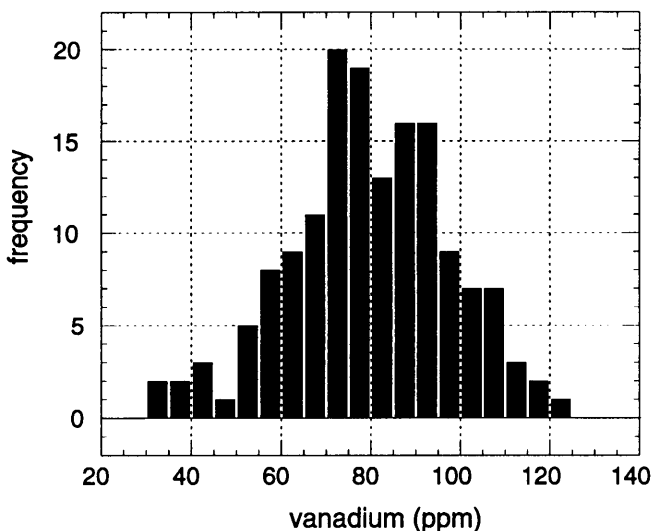
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Ti

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Vanadium

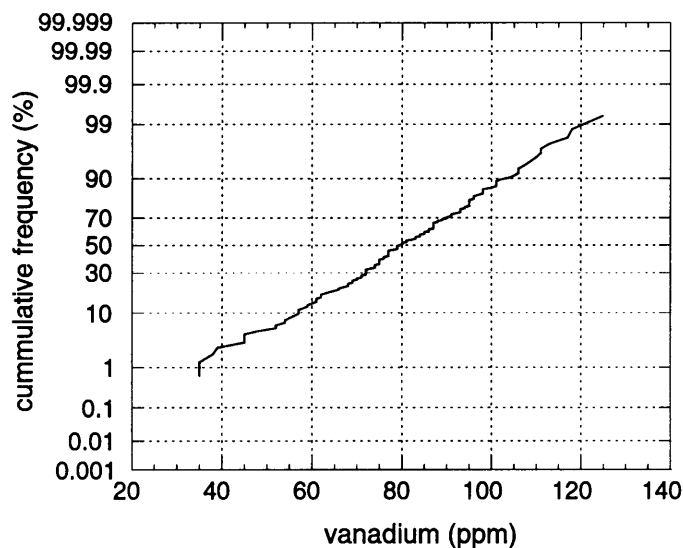
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 1 ppm

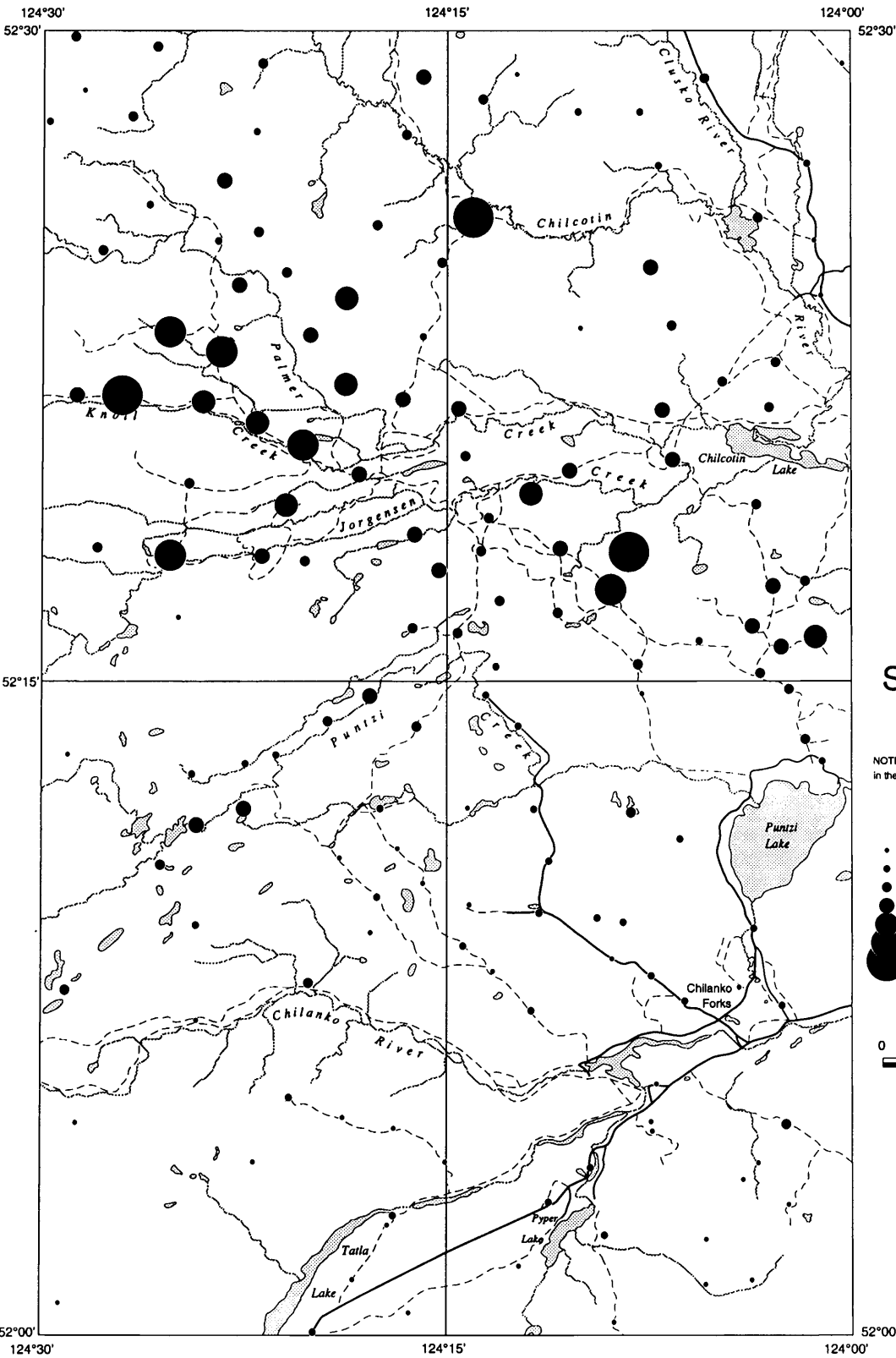
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 35
Maximum: 125
Mean: 80.1
Mode: 87
Median: 80
Lower quartile: 69
Upper quartile: 93
Standard deviation: 17.8
Coefficient of variation: 4.5

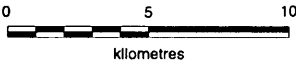
Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Vanadium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	35	69	39	25.3
•	69	79	38	50
•	79	93	40	76
•	93	102	22	90.3
•	102	108	7	94.8
•	108	113	5	98.1
•	113	125	3	100



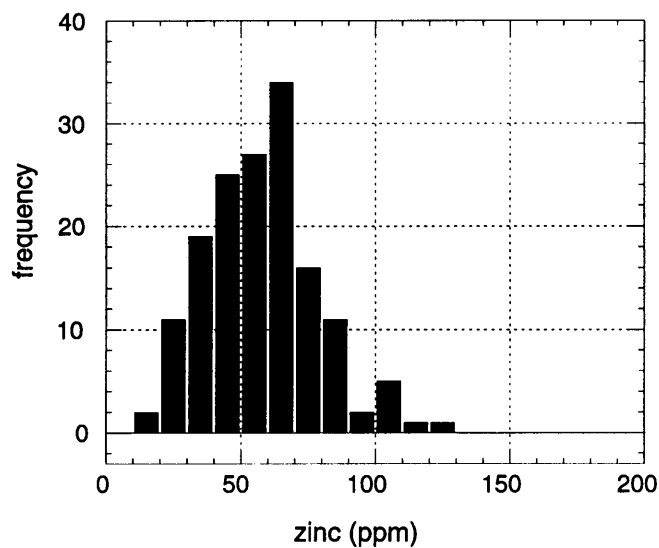
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

V

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Zinc

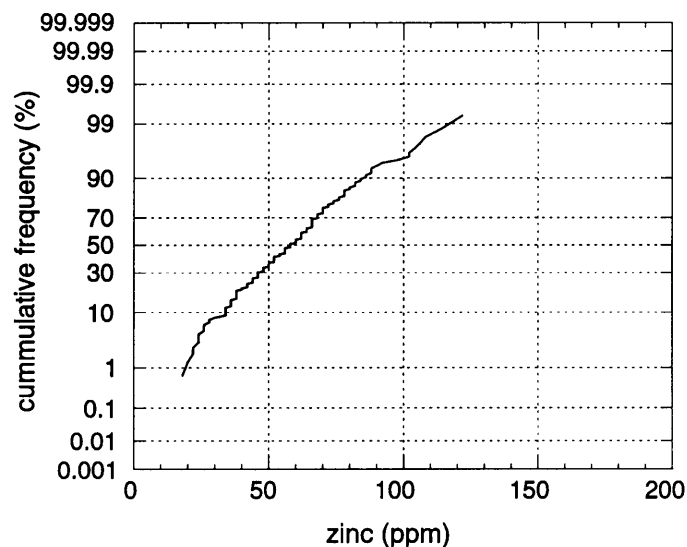
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: ICP
Detection Limit: 2 ppm

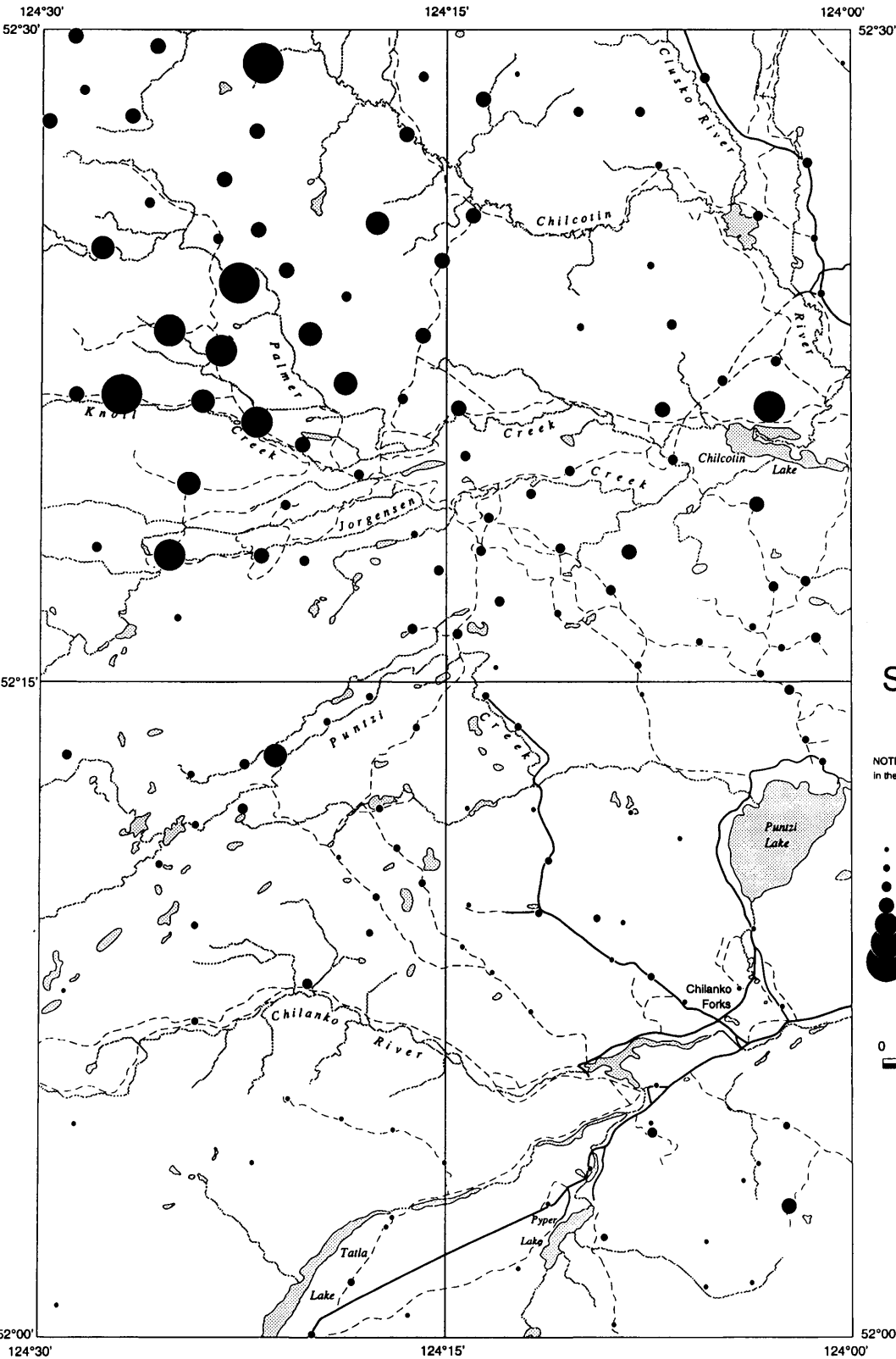
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 18
Maximum: 122
Mean: 58.5
Mode: 66
Median: 58
Lower quartile: 44
Upper quartile: 70
Standard deviation: 20.5
Coefficient of variation: 2.9

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Zinc (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	18	44	41	26.6
•	44	58	38	51.3
•	58	70	39	76.6
•	70	84	21	90.3
•	84	92	7	94.8
•	92	106	5	98.1
•	106	122	3	100



Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Zn

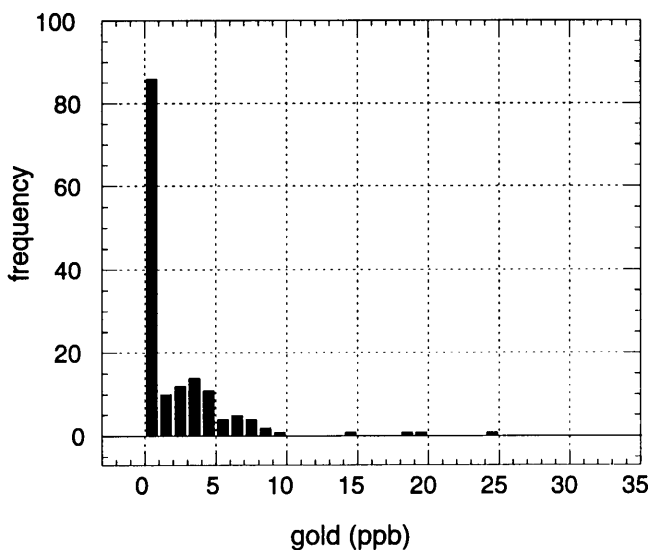
GEOFILE 2006_1 – CHILANKO FORKS-CHEZACUT MAPS

INAA Results.

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Gold

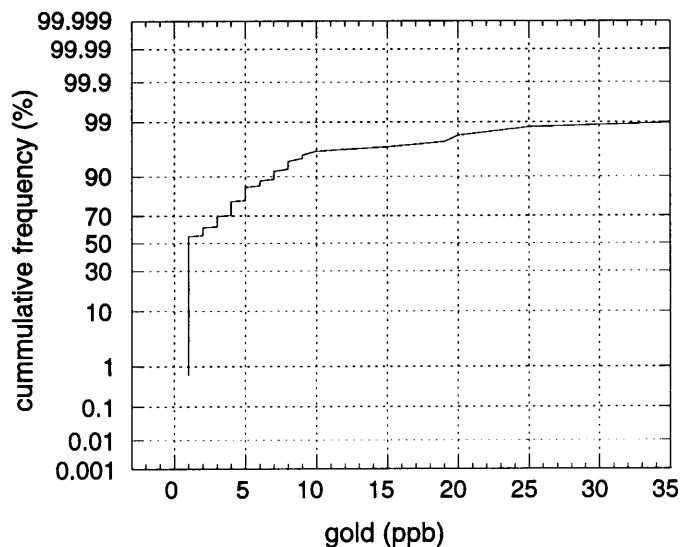
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 2 ppb

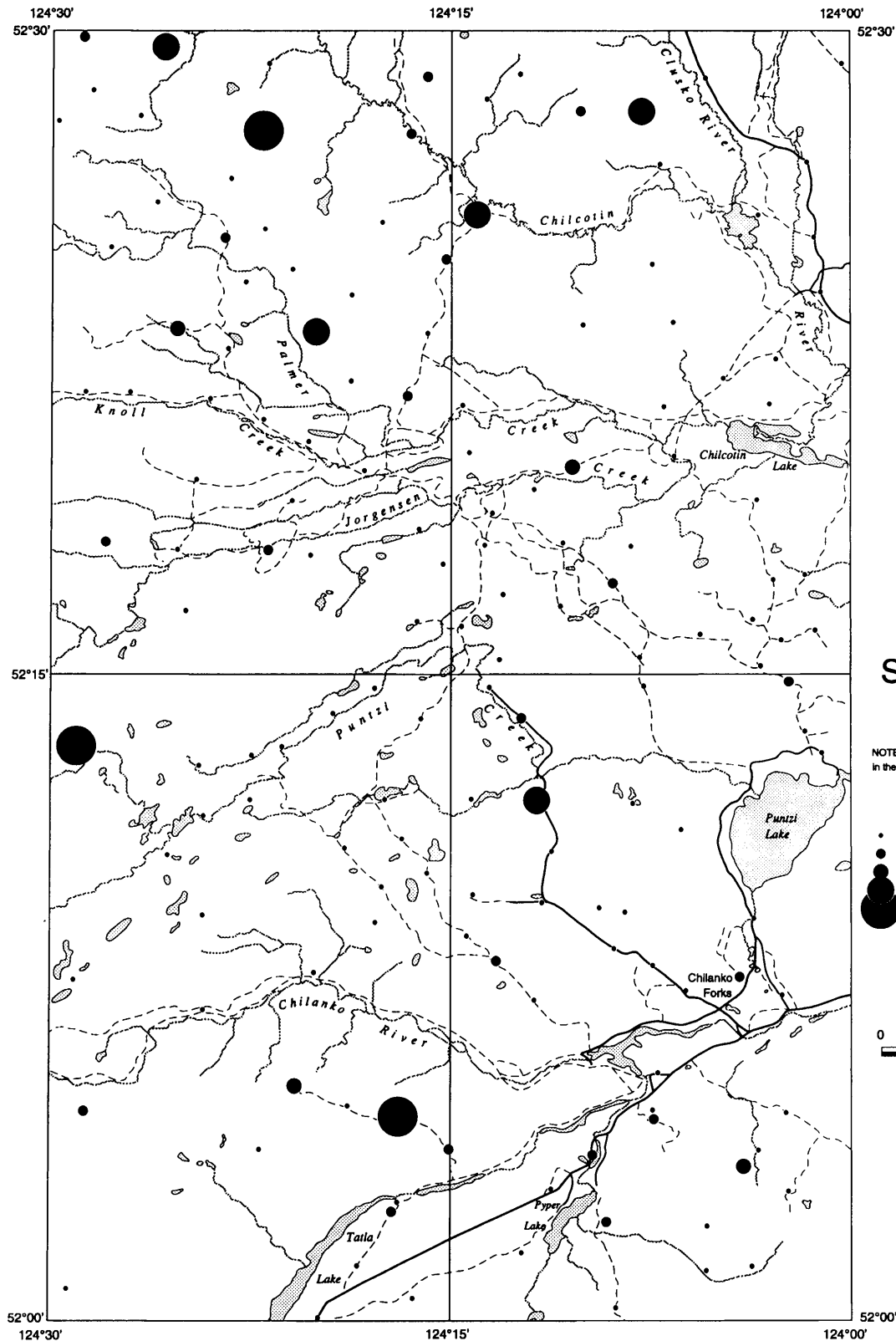
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: <2
Maximum: 57
Mean: 3.3
Mode: 1
Median: <2
Lower quartile: <2
Upper quartile: 4
Standard deviation: 5.6
Coefficient of variation: 0.6

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Gold (ppb)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

MIN.	MAX.	#SAMP	%TILE
1	4	122	79.2
4	7	20	92.2
7	8	4	94.8
8	19	5	98.1
19	57	3	100



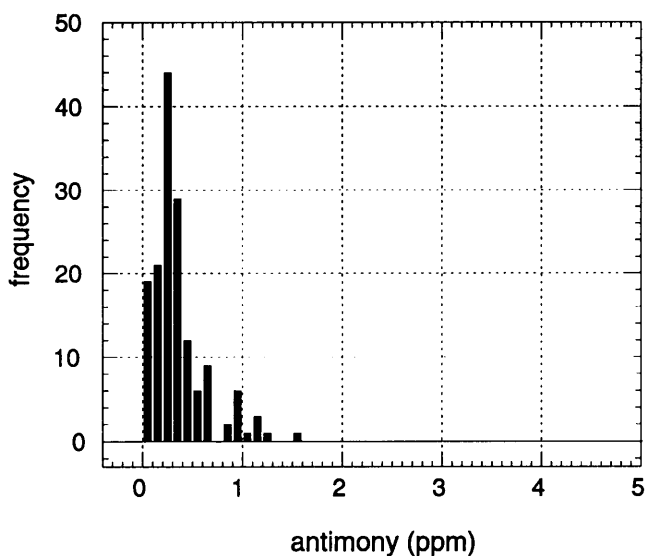
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Au

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Antimony

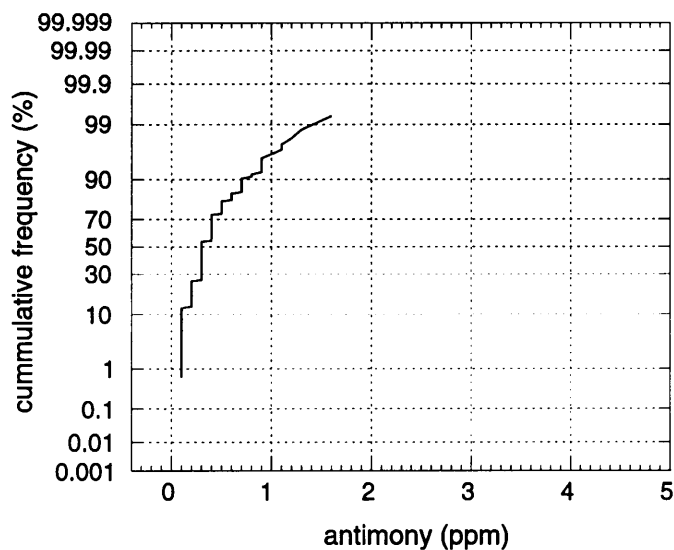
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 0.1 ppm

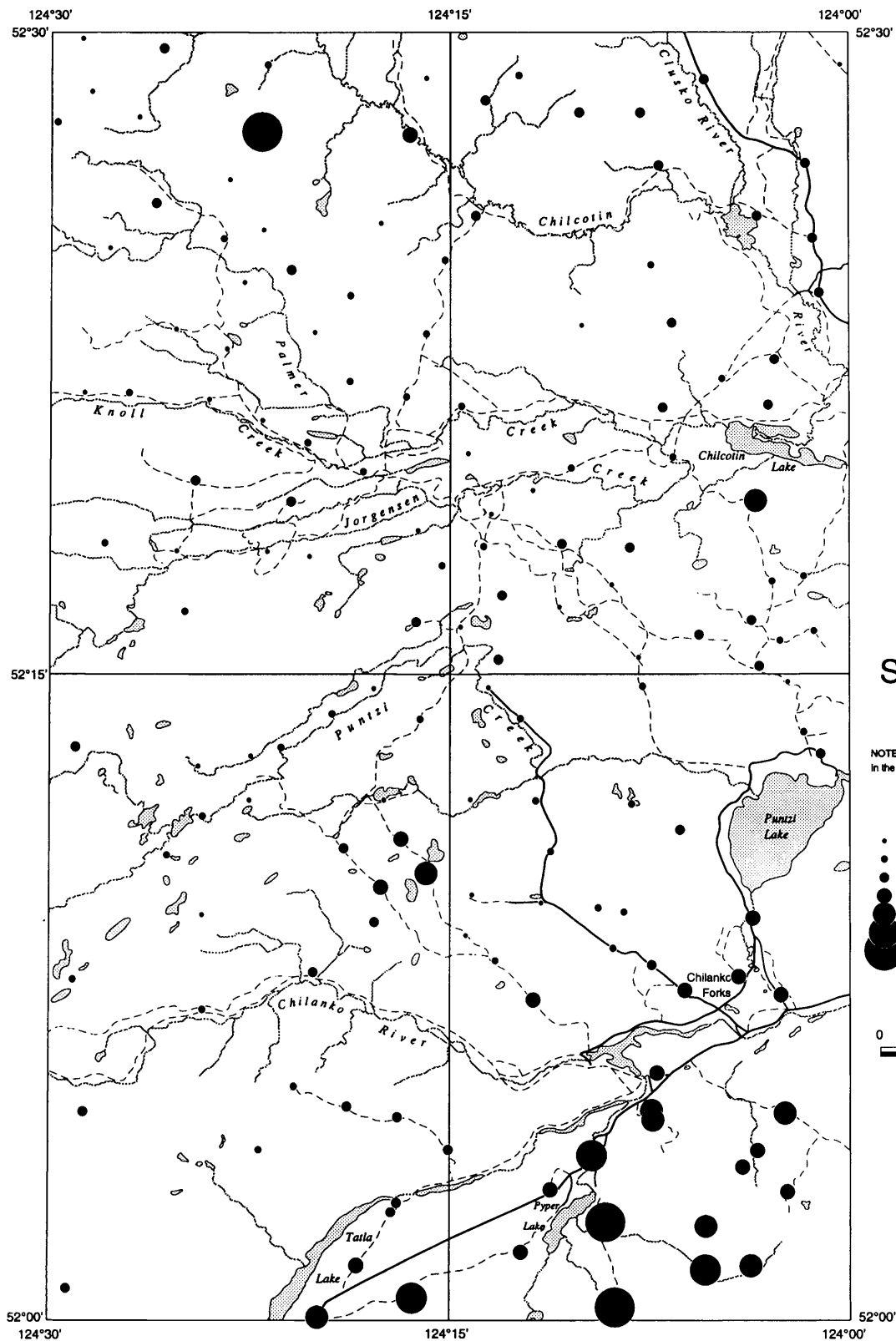
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 0.1
Maximum: 1.6
Mean: 0.4
Mode: 0.3
Median: 0.3
Lower quartile: 0.2
Upper quartile: 0.5
Standard deviation: 0.3
Coefficient of variation: 1.3

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Antimony (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	.1	.2	40	26
•	.2	.3	44	54.5
•	.3	.5	41	81.2
•	.5	.7	15	90.9
•	.7	.9	8	96.1
•	.9	1.1	3	98.1
•	1.1	1.6	3	100



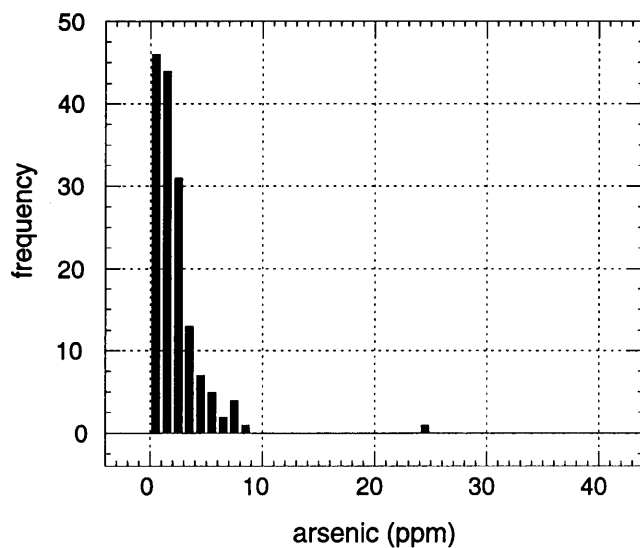
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Sb

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Arsenic

Frequency Histogram



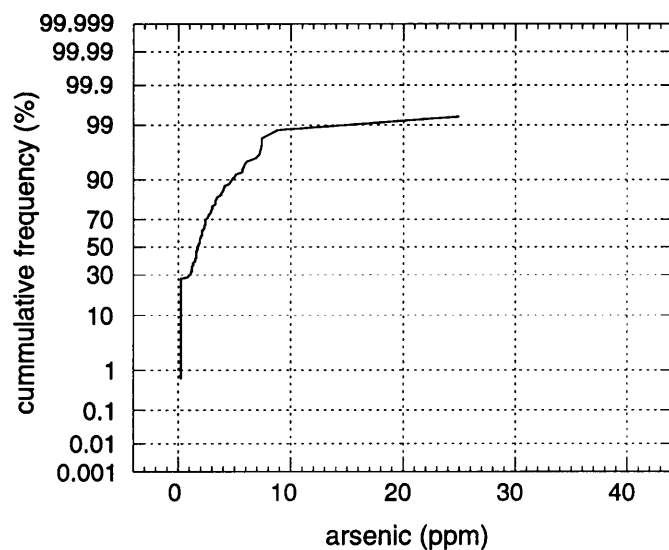
Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 0.5 ppm

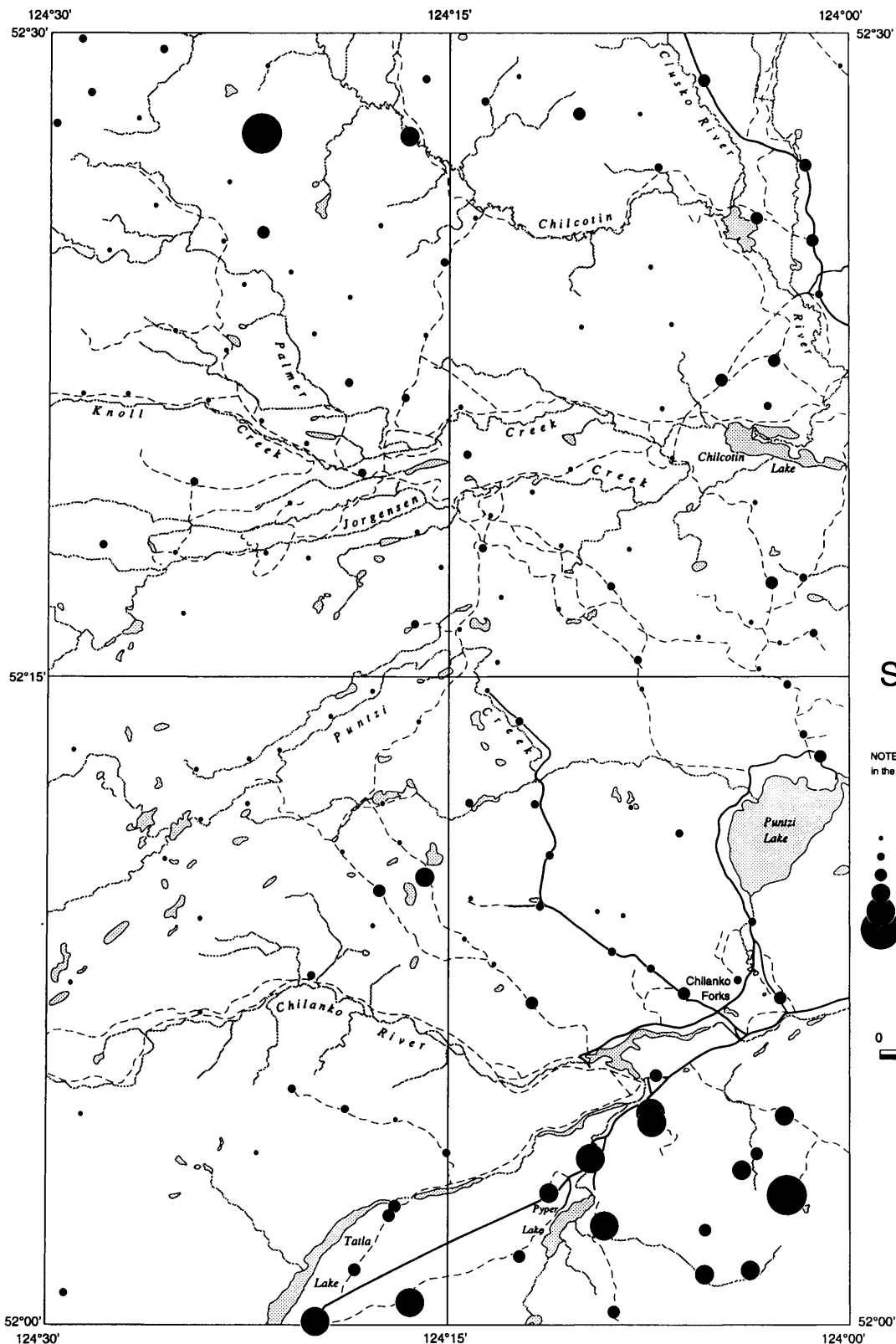
Summary Statistics

Number of samples: 154
Minimum: <0.5
Maximum: 25
Mean: 2.2
Mode: 0.25
Median: 1.7
Lower quartile: <0.5
Upper quartile: 2.9
Standard deviation: 2.6
Coefficient of variation: 0.8

Normal Probability Curve



Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Arsenic (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	0.25	1.7	78	50.6
•	1.7	2.9	39	76
•	2.9	4.7	22	90.3
•	4.7	5.9	7	94.8
•	5.9	7.4	6	98.7
•	7.4	25	2	100



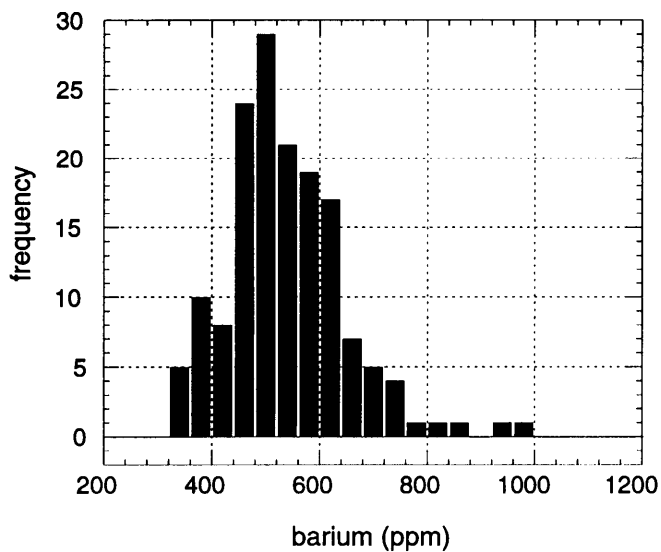
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

As

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Barium

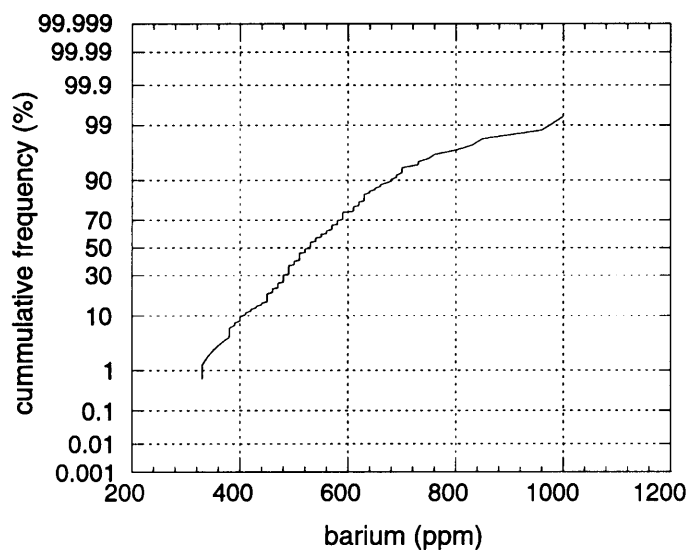
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 50 ppm

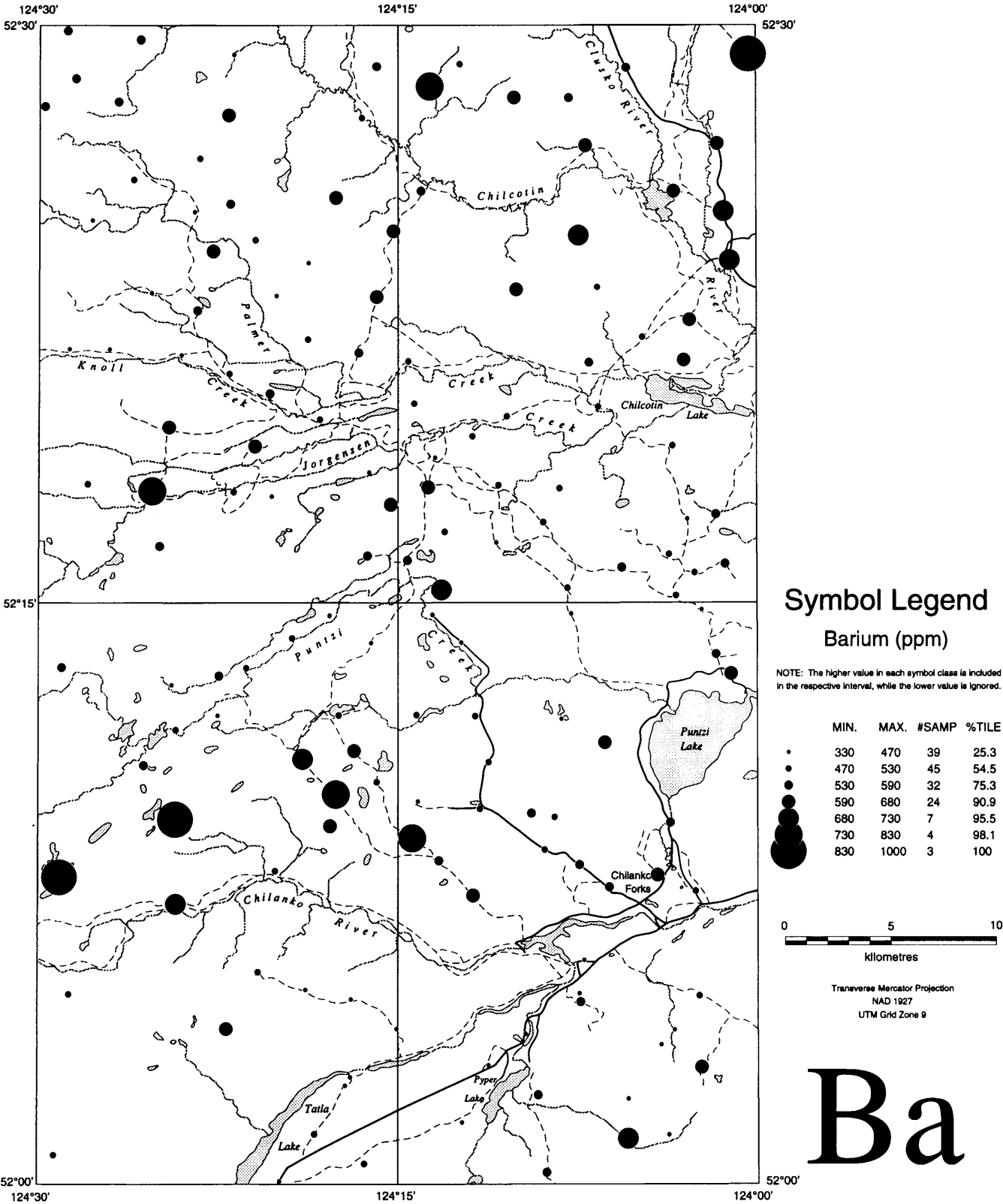
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 330
Maximum: 1000
Mean: 541
Mode: 490
Median: 530
Lower quartile: 470
Upper quartile: 590
Standard deviation: 111.5
Coefficient of variation: 4.9

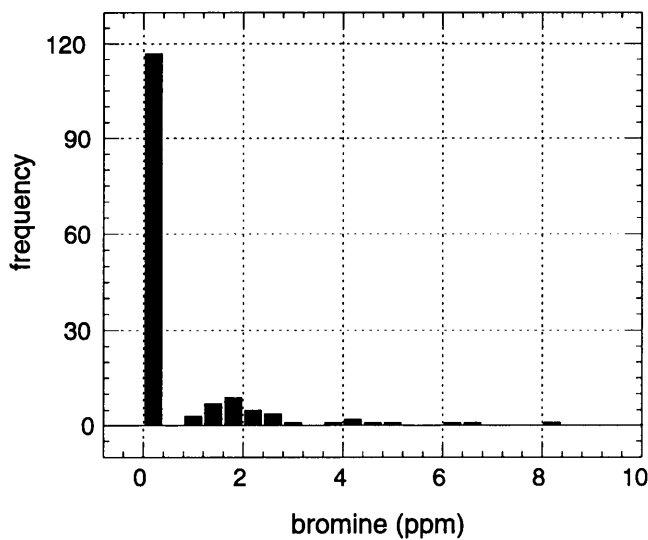
Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Bromine

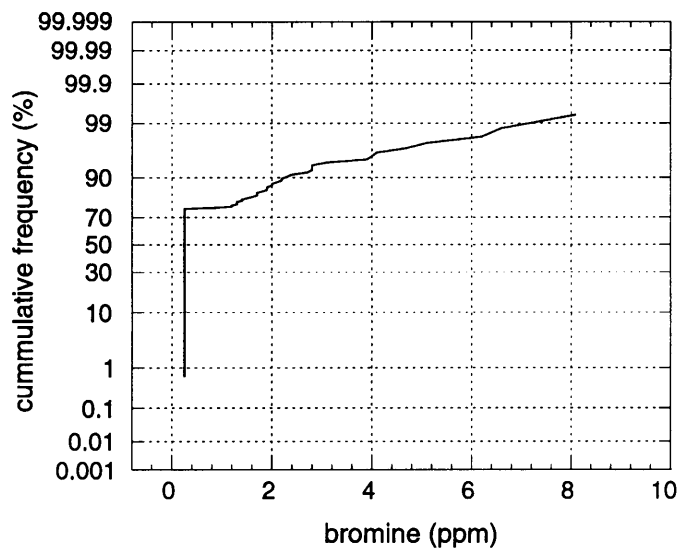
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 0.5 ppm

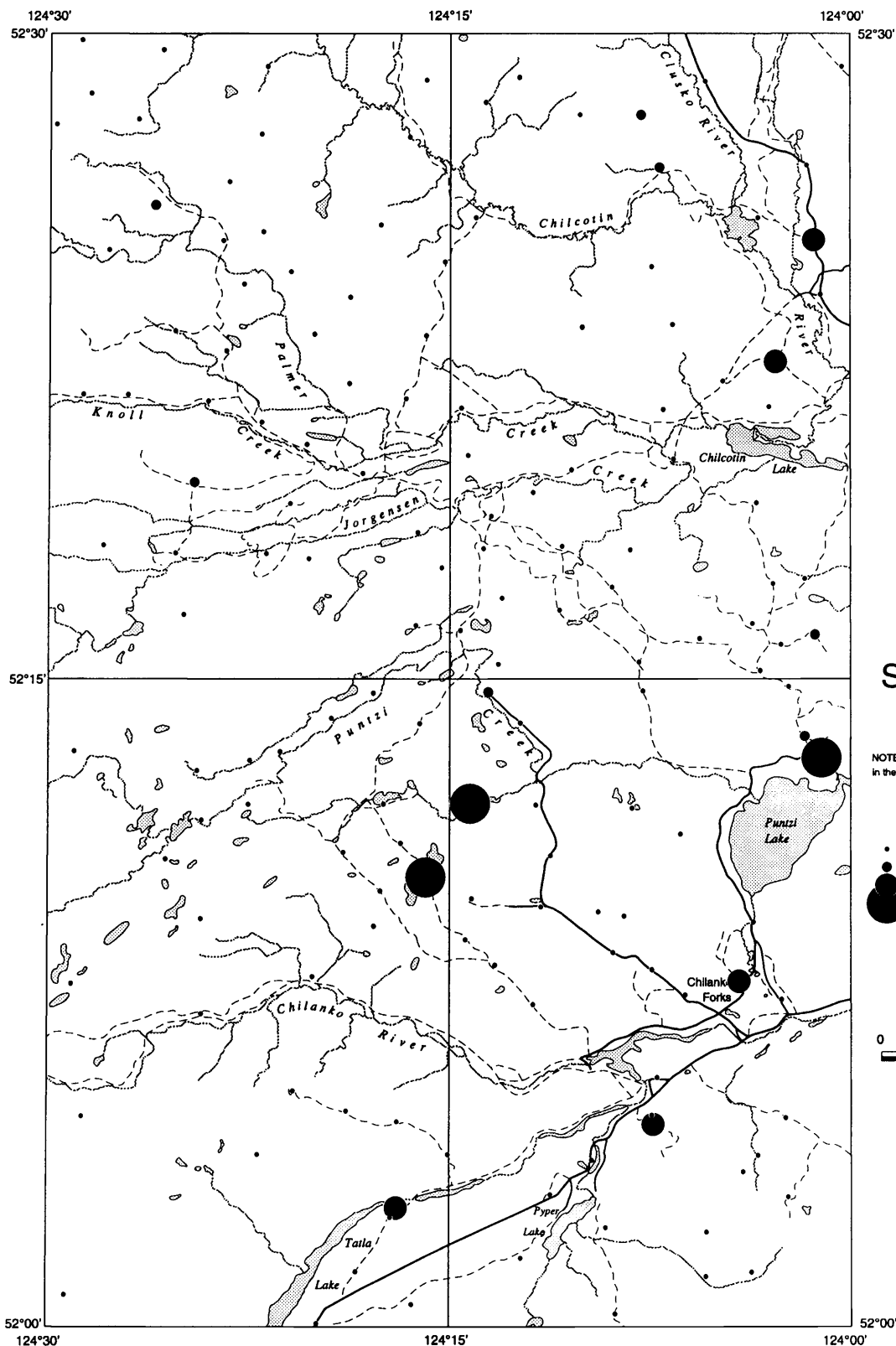
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: <0.5
Maximum: 8.1
Mean: 0.83
Mode: 0.25
Median: <0.5
Lower quartile: <0.5
Upper quartile: <0.5
Standard deviation: 1.30
Coefficient of variation: 0.6

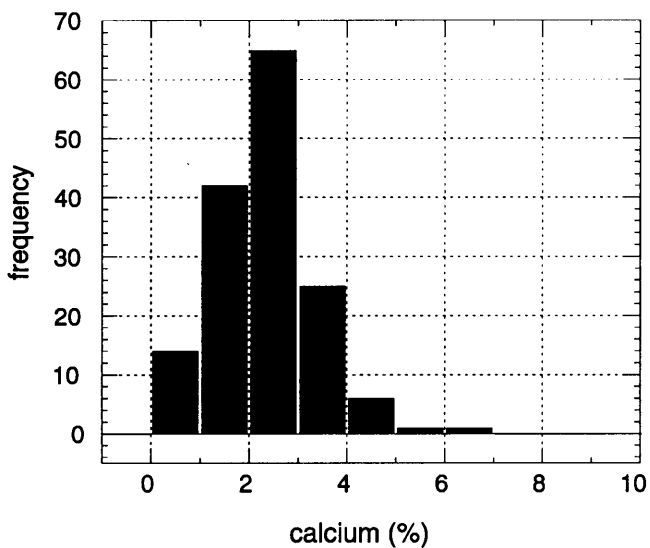
Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Calcium

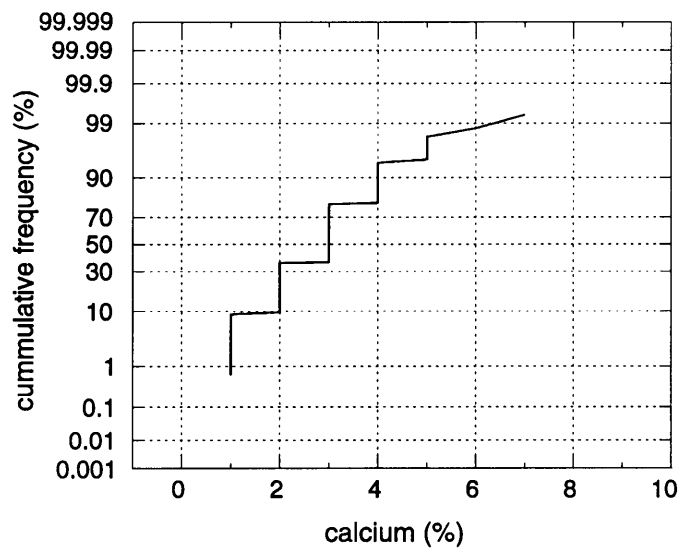
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 1 %

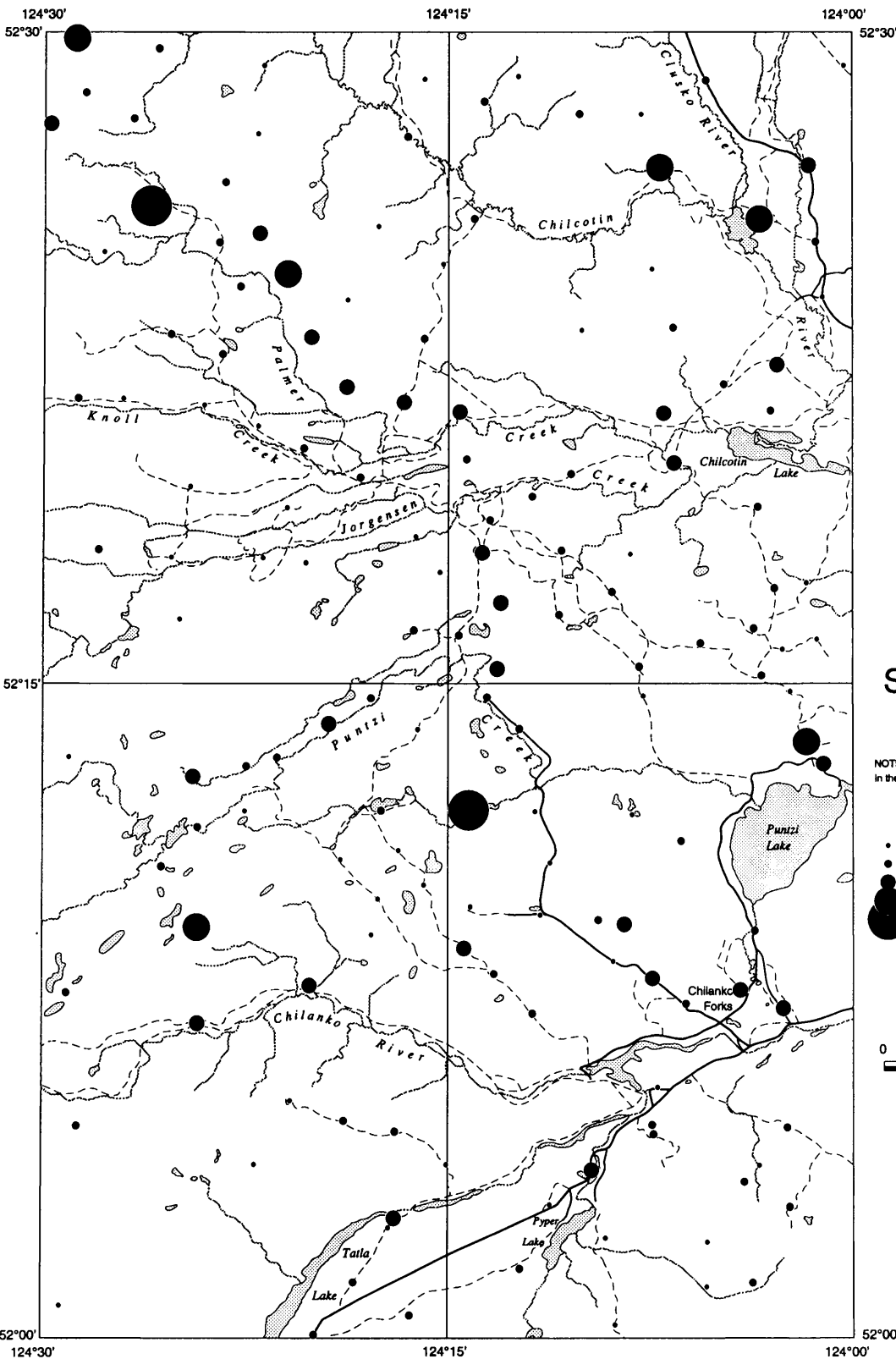
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 1
Maximum: 7
Mean: 2.8
Mode: 3
Median: 3
Lower quartile: 2
Upper quartile: 3
Standard deviation: 1.0
Coefficient of variation: 2.8

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Calcium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

MIN.	MAX.	#SAMP	%TILE
1	2	56	36.4
2	3	65	78.6
3	4	25	94.8
4	5	6	98.7
5	7	2	100



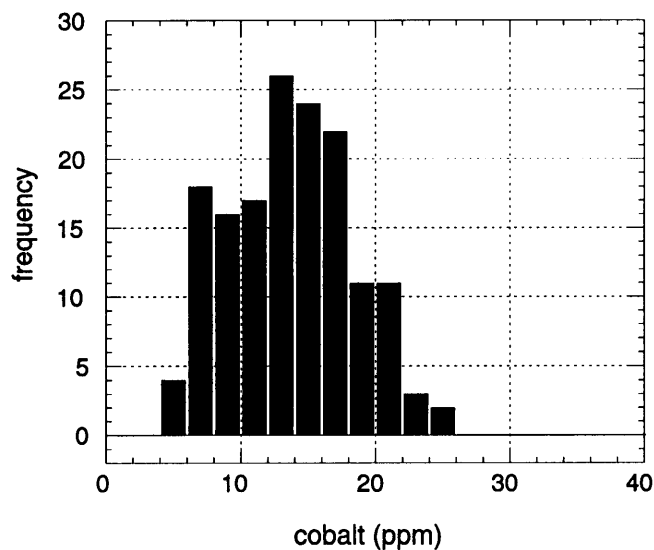
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Ca

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Cobalt

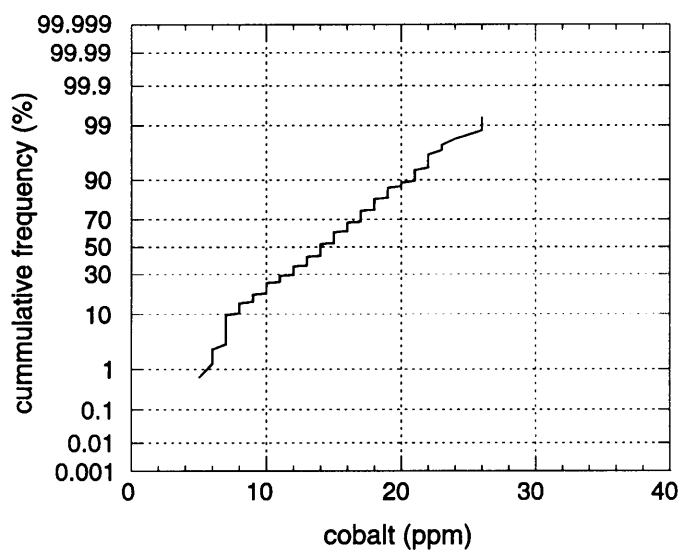
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 1 ppm

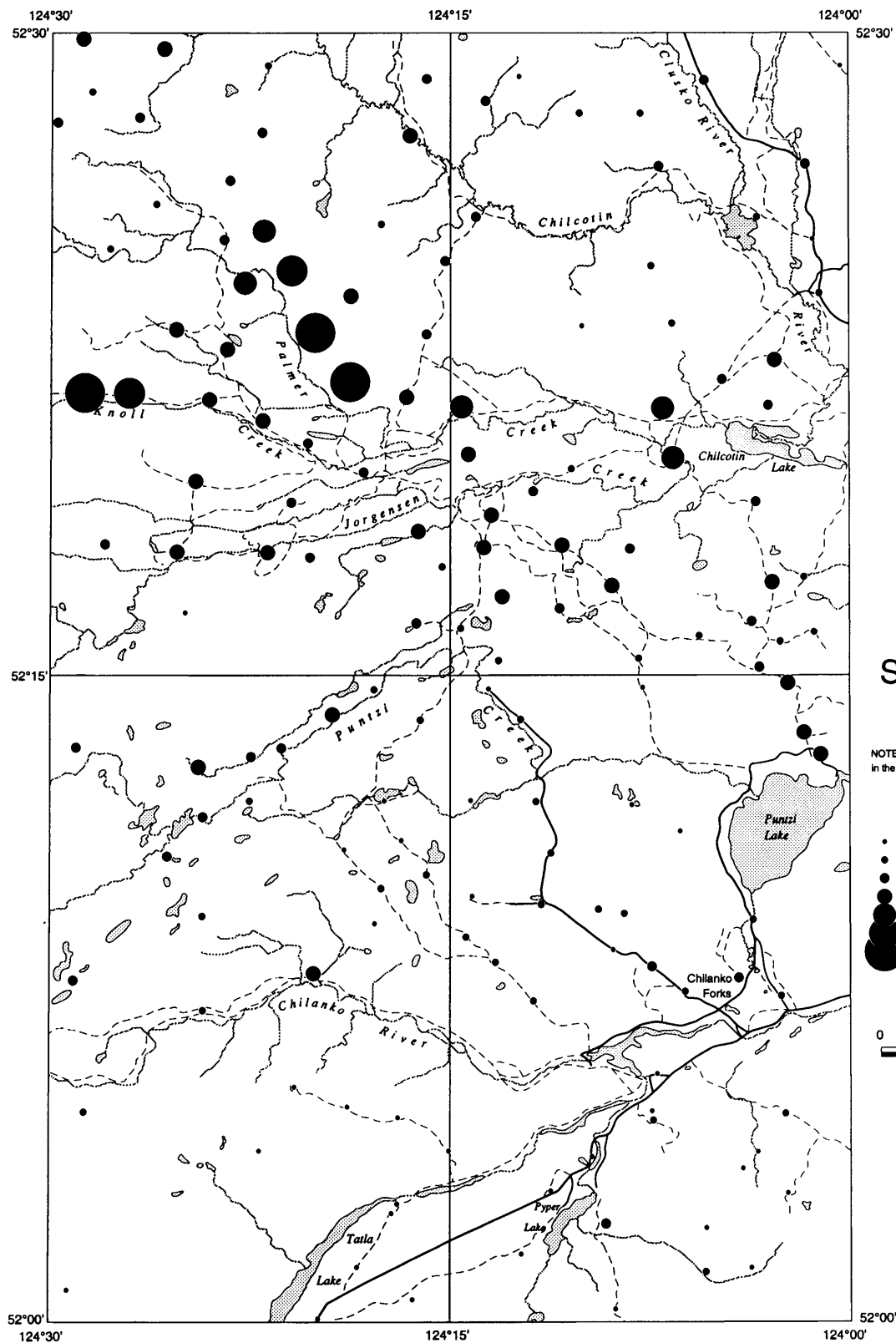
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 5
Maximum: 26
Mean: 14.2
Mode: 14
Median: 14
Lower quartile: 11
Upper quartile: 17
Standard deviation: 4.6
Coefficient of variation: 3.1

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Cobalt (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	5	10	38	24.7
•	10	14	43	52.6
•	14	17	36	76
•	17	21	27	93.5
•	21	22	5	96.8
•	22	23	2	98.1
•	23	26	3	100



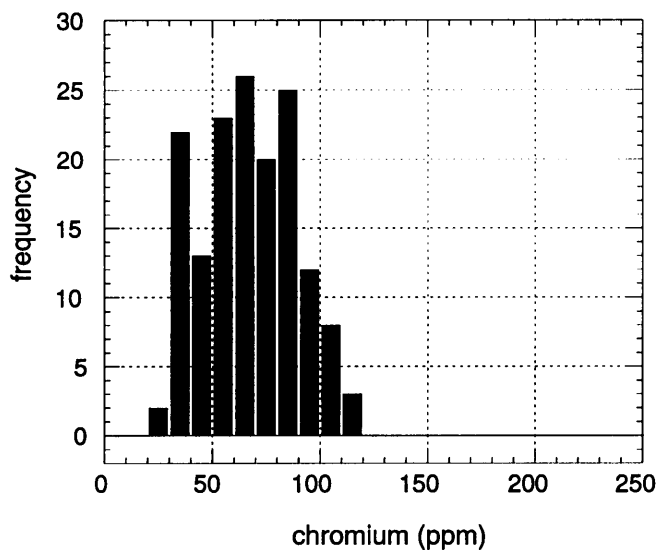
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Co

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Chromium

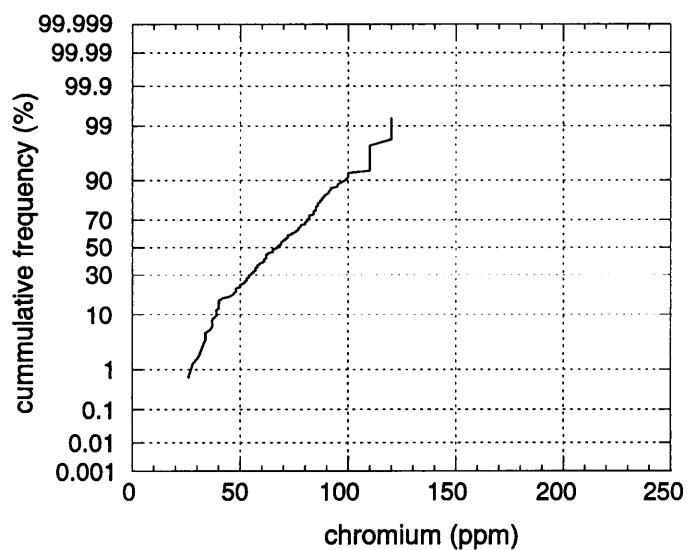
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 5 ppm

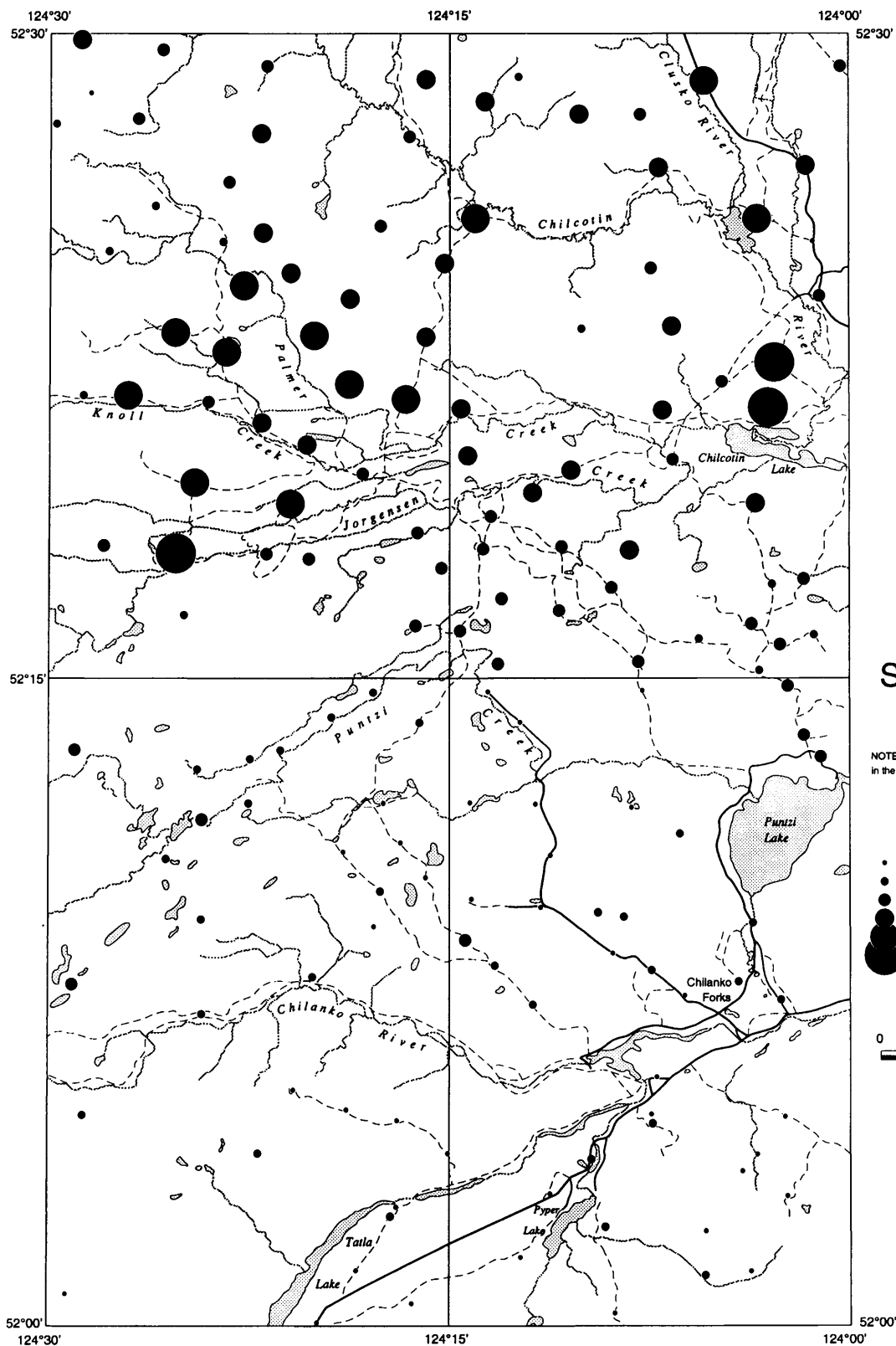
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 26
Maximum: 120
Mean: 68
Mode: 110
Median: 67
Lower quartile: 52
Upper quartile: 84
Standard deviation: 22.1
Coefficient of variation: 3.1

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Chromium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

MIN.	MAX.	#SAMP	%TILE
26	51	38	24.7
51	67	40	50.6
67	84	39	76
84	98	22	90.3
98	110	12	98.1
110	120	3	100



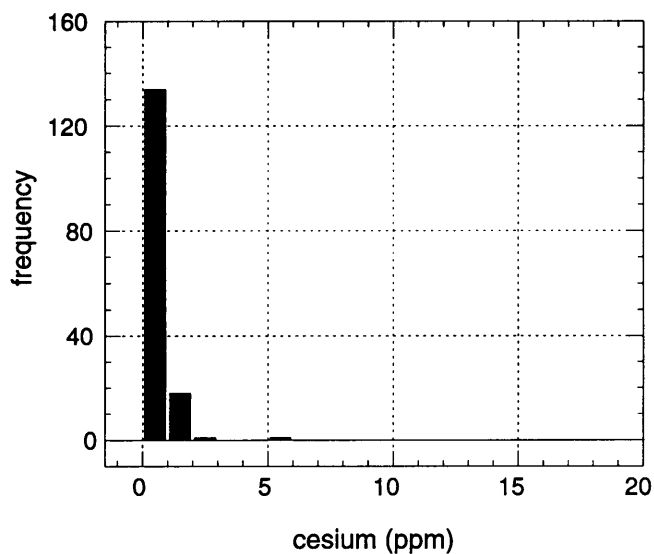
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Cr

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Cesium

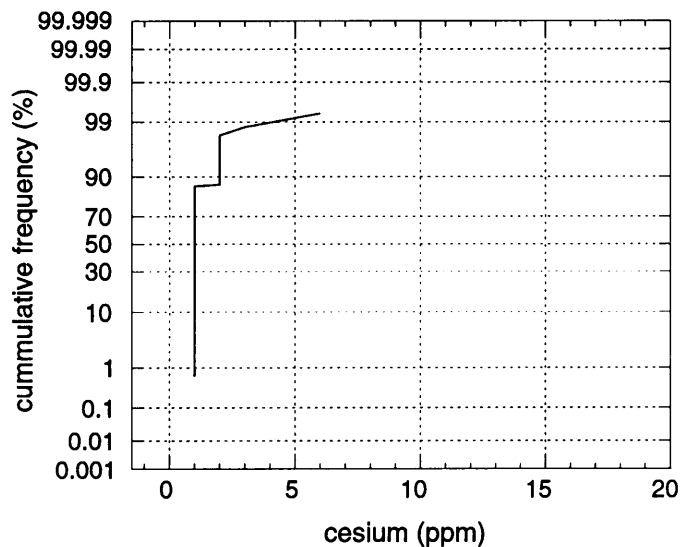
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 1 ppm

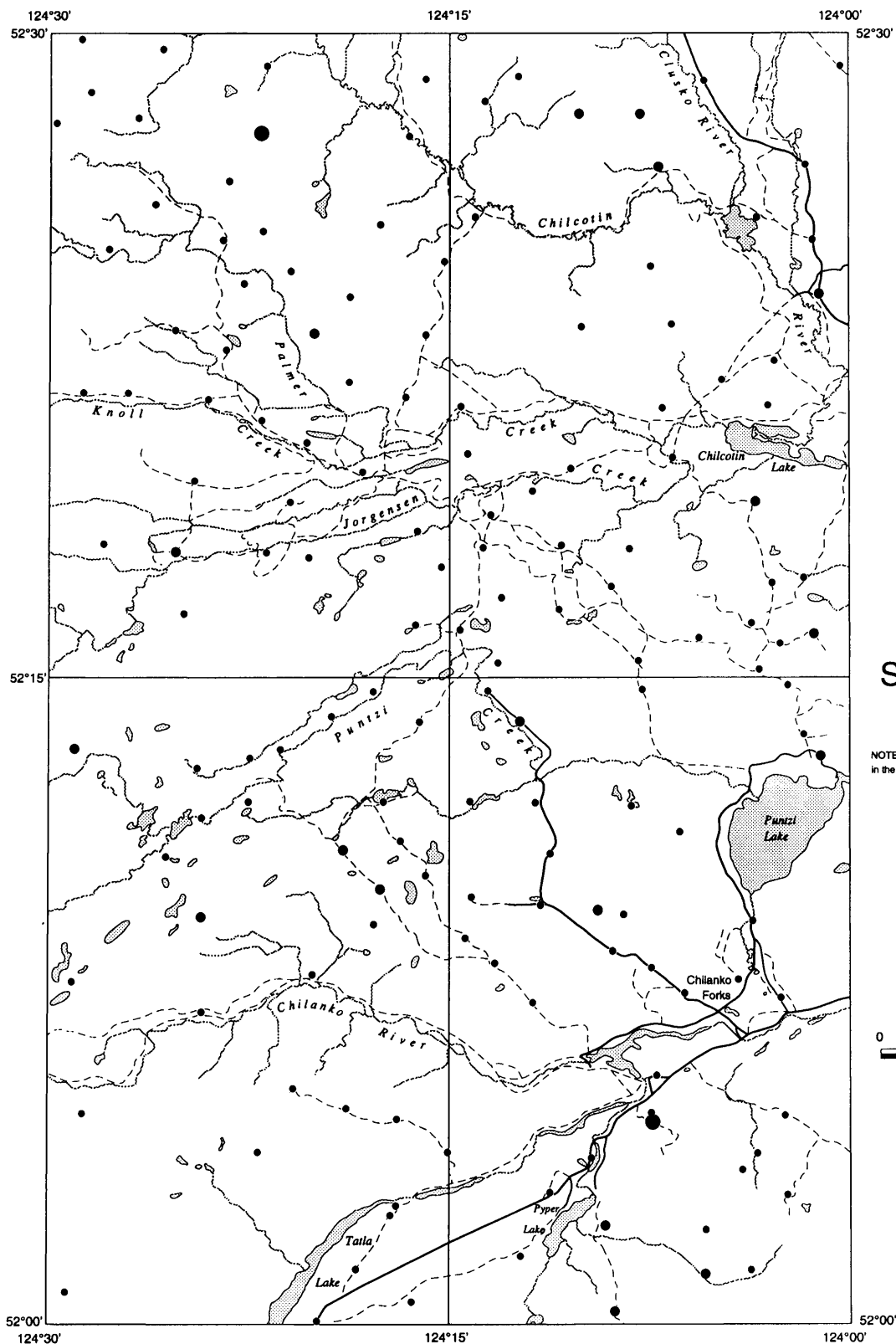
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 1
Maximum: 6
Mean: 1.2
Mode: 1
Median: 1
Lower quartile: 1
Upper quartile: 1
Standard deviation: 0.5
Coefficient of variation: 2.3

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Cesium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

MIN.	MAX.	#SAMP	%TILE
1	1	134	87
1	2	18	98.7
2	6	2	100



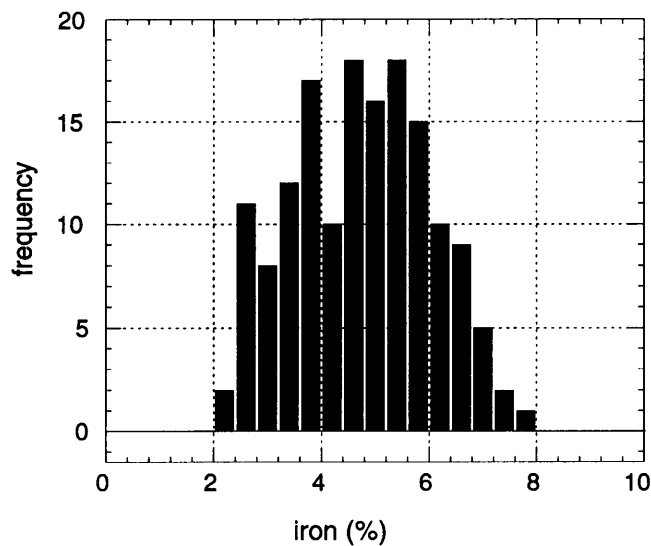
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Cs

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Iron

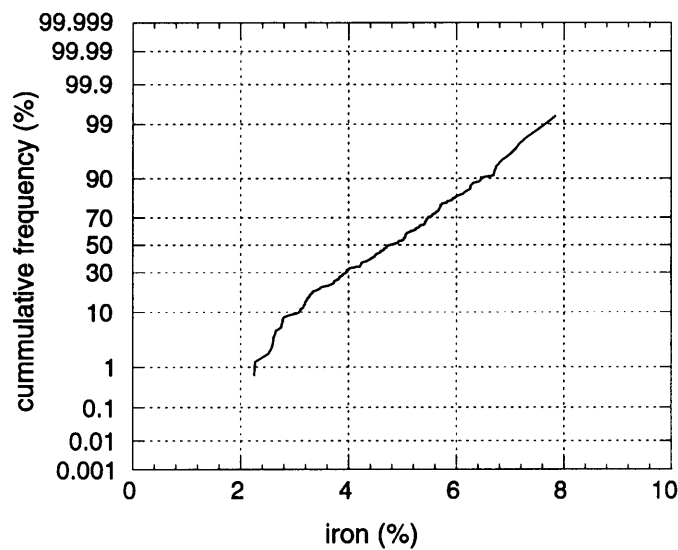
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 0.01 %

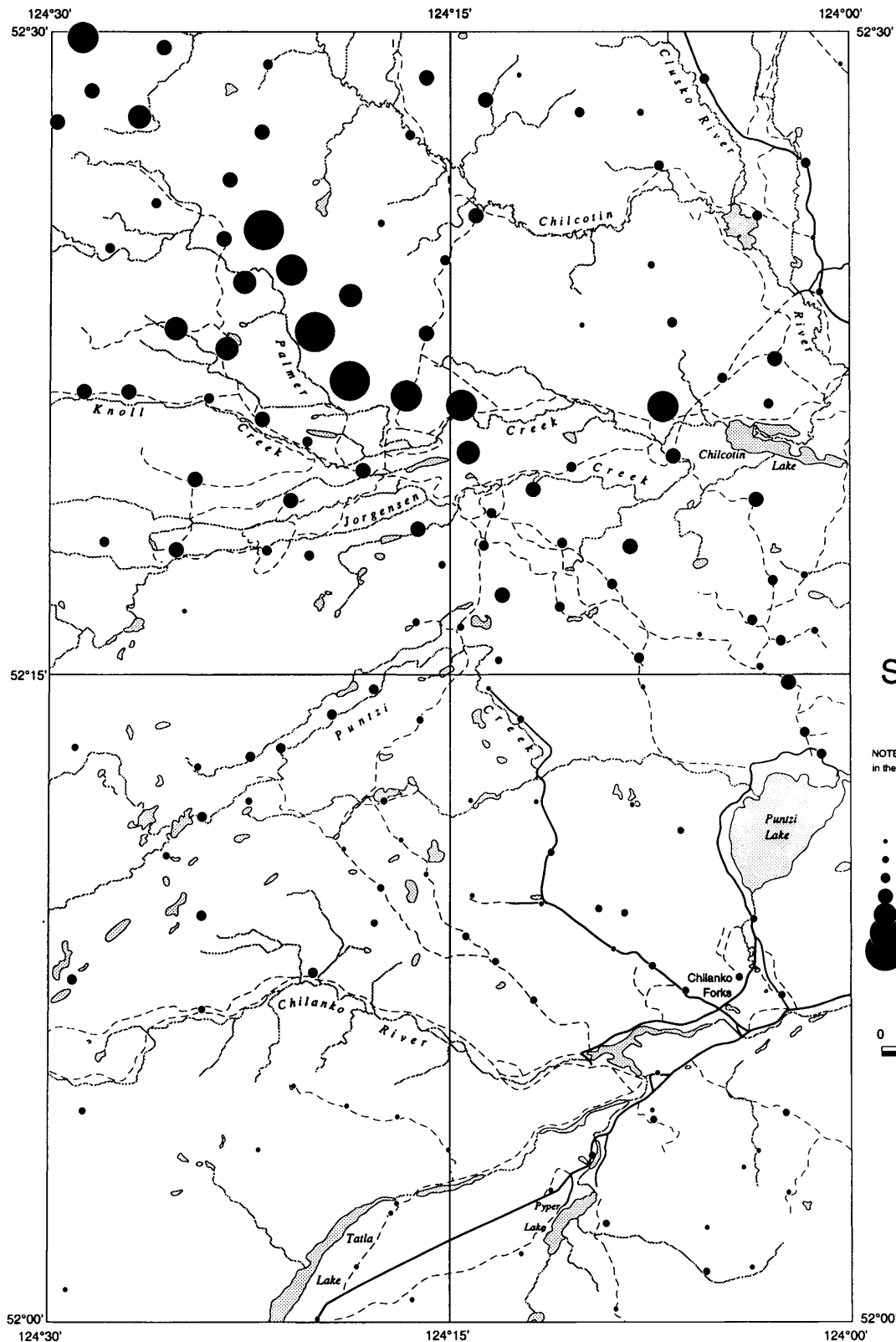
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 2.25
Maximum: 7.85
Mean: 4.75
Mode: 6.26
Median: 4.77
Lower quartile: 3.77
Upper quartile: 5.67
Standard deviation: 1.28
Coefficient of variation: 3.71

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Iron (%)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	2.25	3.73	38	24.7
•	3.73	4.73	39	50
•	4.73	5.66	38	74.7
•	5.66	6.46	25	90.9
•	6.46	6.79	6	94.8
•	6.79	7.17	5	98.1
•	7.17	7.85	3	100



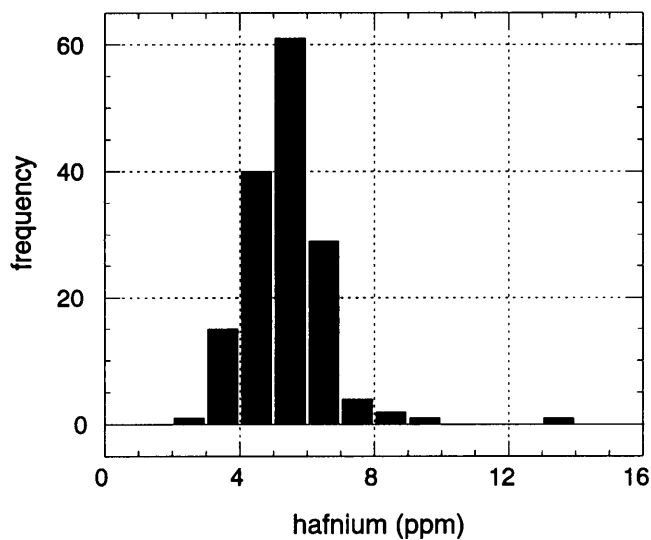
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Fe

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Hafnium

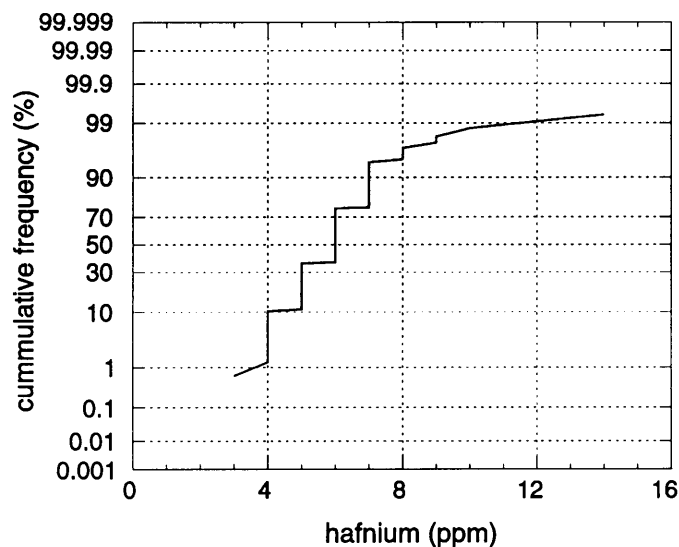
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 1 ppm

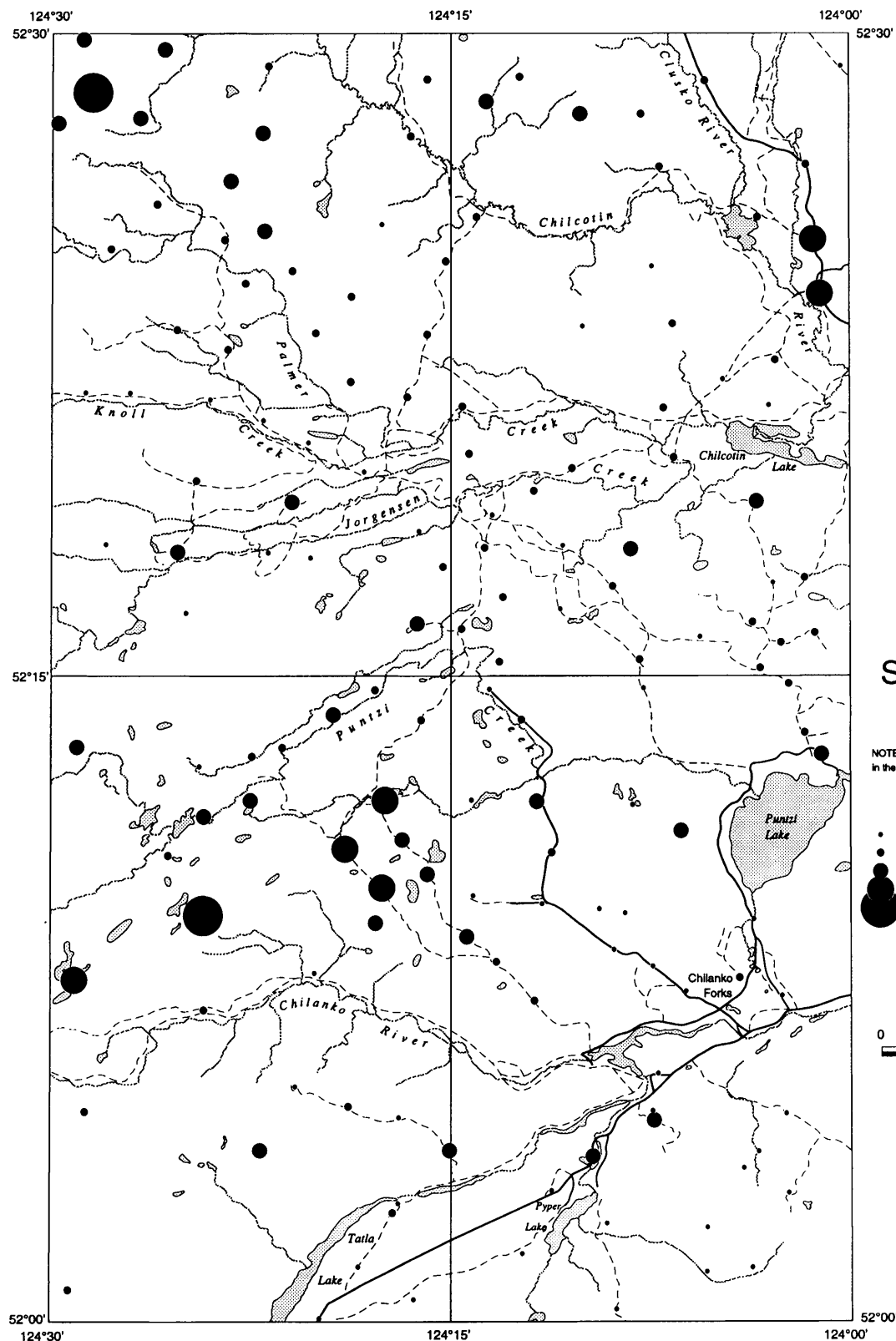
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 3
Maximum: 14
Mean: 5.9
Mode: 6
Median: 6
Lower quartile: 5
Upper quartile: 6
Standard deviation: 1.3
Coefficient of variation: 4.5

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Hafnium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

MIN.	MAX.	#SAMP	%TILE
3	5	56	36.4
5	6	61	76
6	7	29	94.8
7	9	6	98.7
9	14	2	100



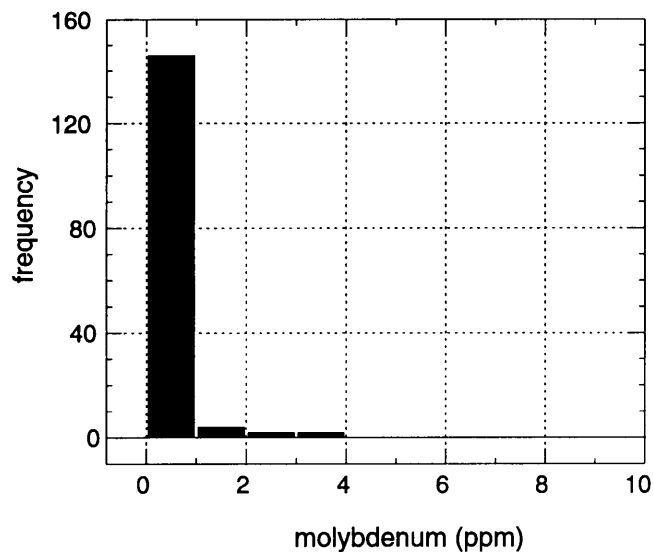
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 19

Hf

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Molybdenum

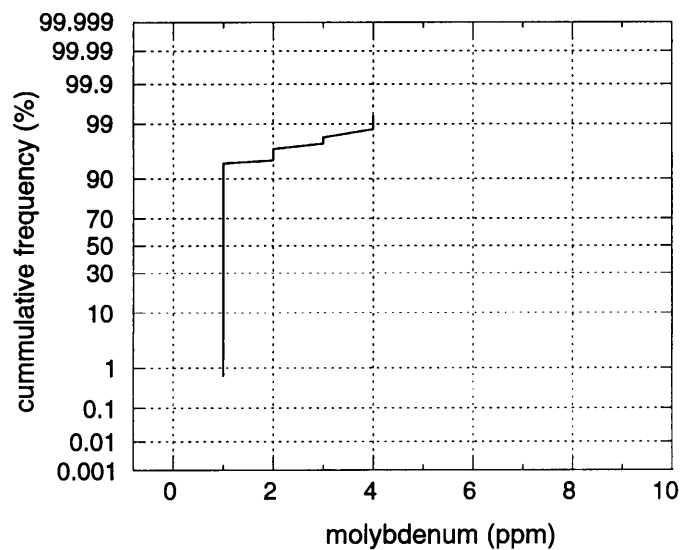
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 1 ppm

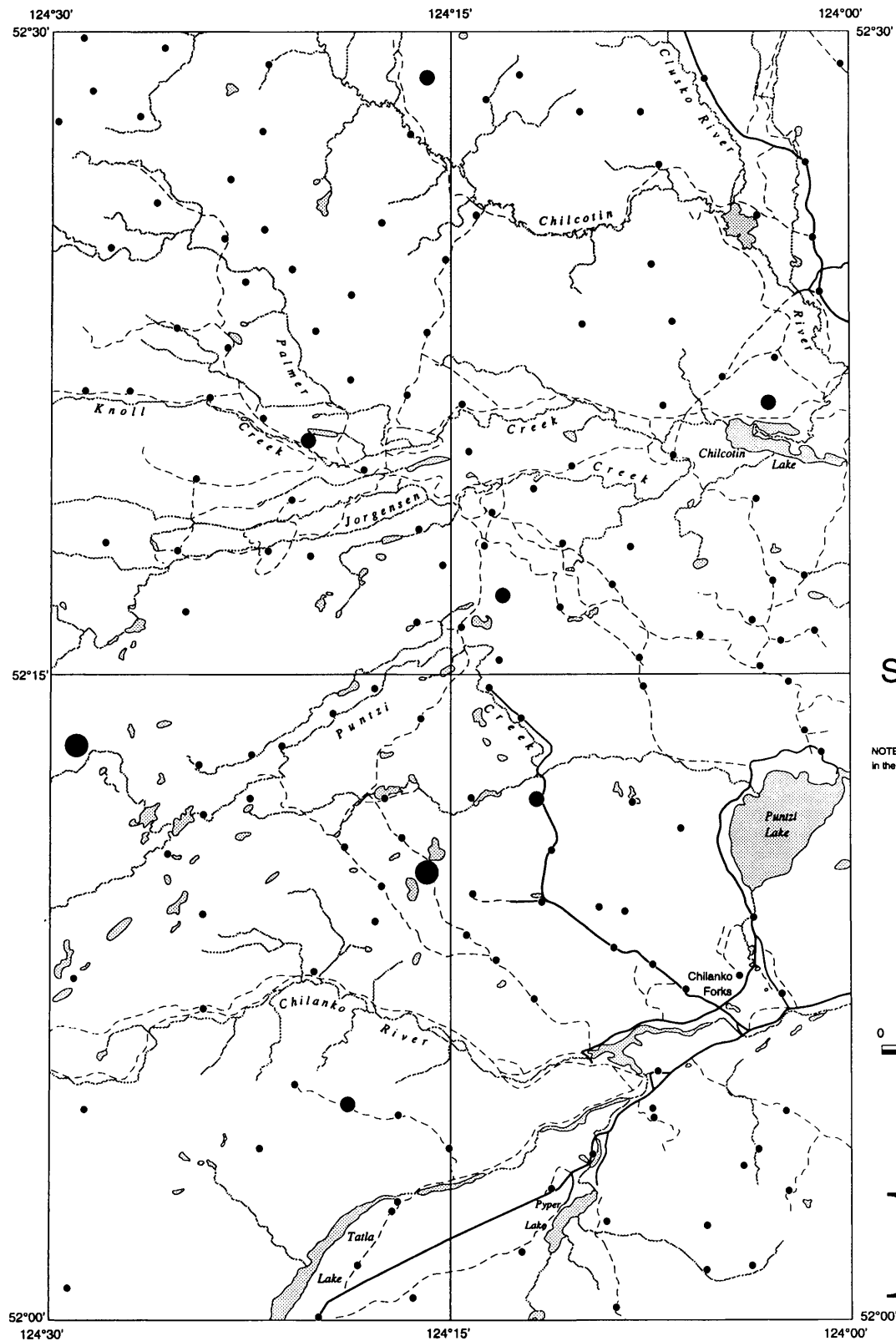
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 1
Maximum: 4
Mean: 1.1
Mode: 1
Median: 1
Lower quartile: 1
Upper quartile: 1
Standard deviation: 0.4
Coefficient of variation: 2.8

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Molybdenum (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
●	1	1	146	94.8
●	1	3	6	98.7
●	3	4	2	100

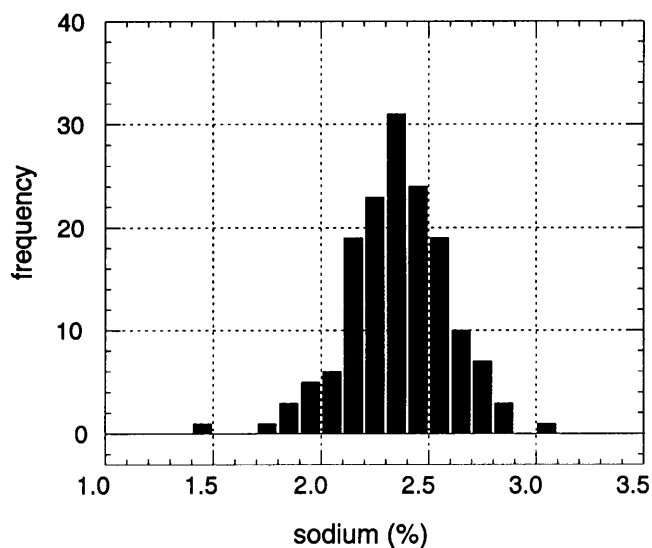


Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Sodium

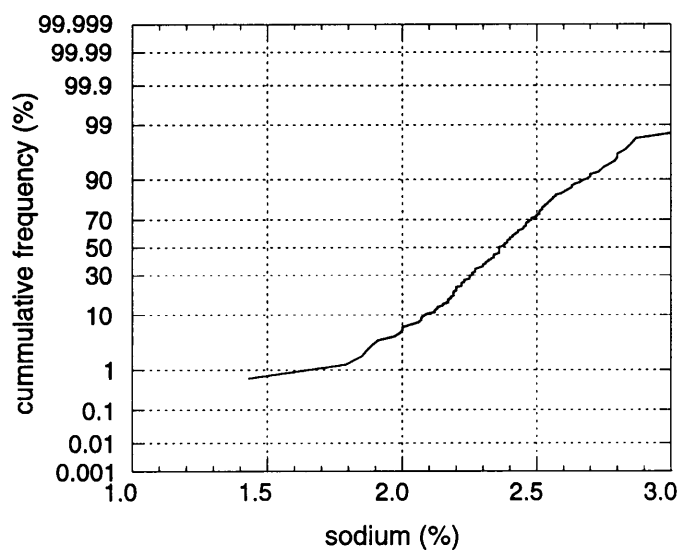
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 0.01 %

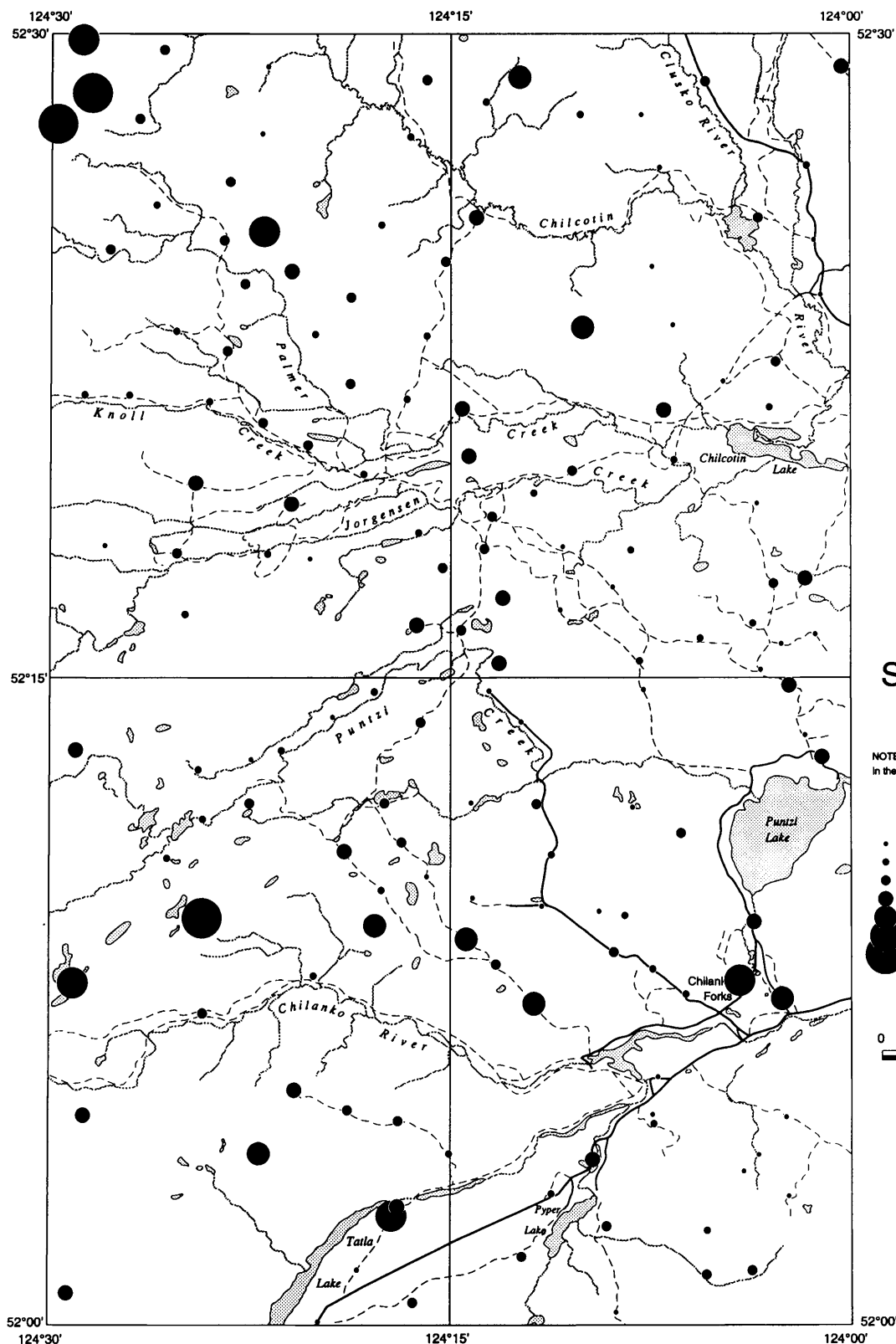
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 1.43
Maximum: 3.26
Mean: 2.37
Mode: 2.36
Median: 2.36
Lower quartile: 2.22
Upper quartile: 2.51
Standard deviation: 0.24
Coefficient of variation: 13.6

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Sodium (%)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	1.43	2.22	39	25.3
•	2.22	2.36	39	50.6
•	2.36	2.51	39	76
•	2.51	2.67	22	90.3
•	2.67	2.77	7	94.8
•	2.77	2.85	5	98.1
•	2.85	3.26	3	100



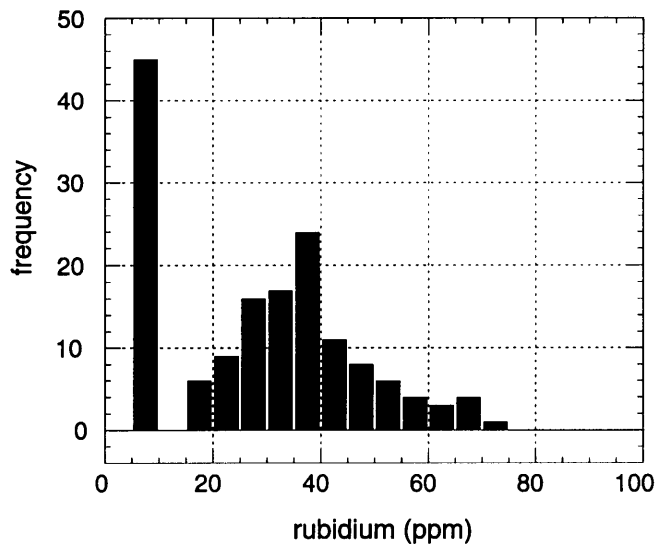
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Na

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Rubidium

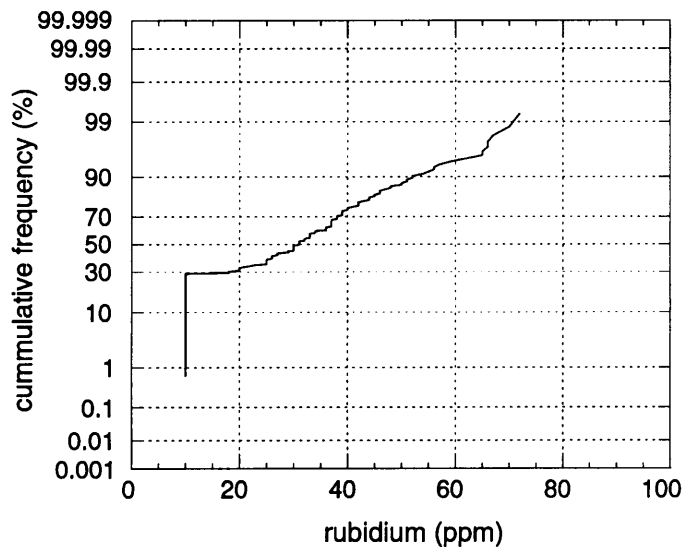
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 15 ppm

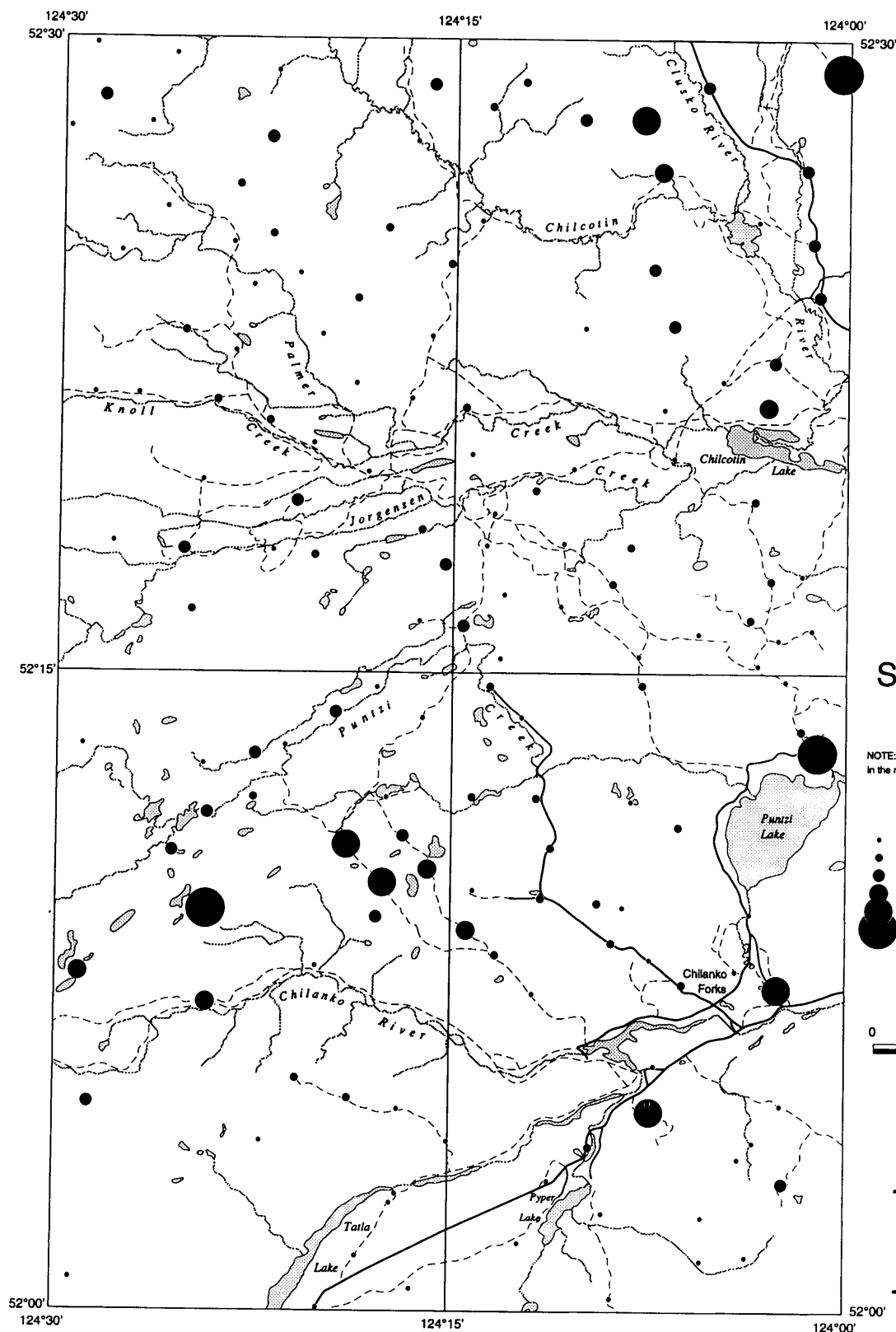
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: <15
Maximum: 72
Mean: 30.0
Mode: 10
Median: 31
Lower quartile: <15
Upper quartile: 40
Standard deviation: 16.6
Coefficient of variation: 1.8

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Rubidium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

MIN.	MAX.	#SAMP	%TILE
10	31	81	52.6
31	40	36	76
40	52	23	90.9
52	59	6	94.8
59	66	5	98.1
66	72	3	100



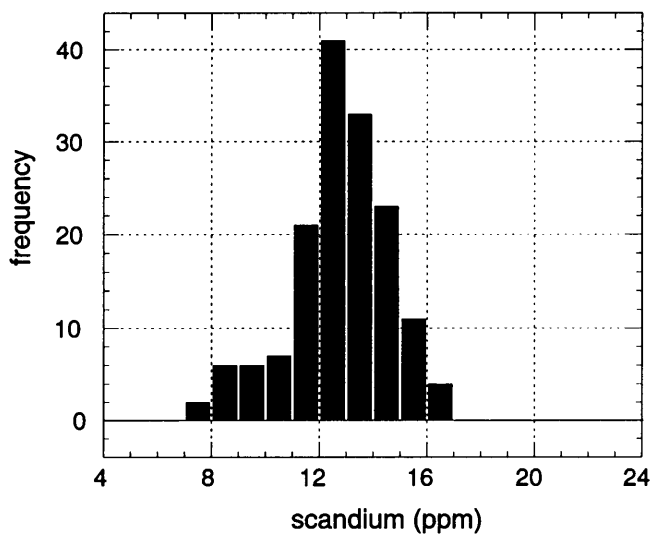
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Rb

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Scandium

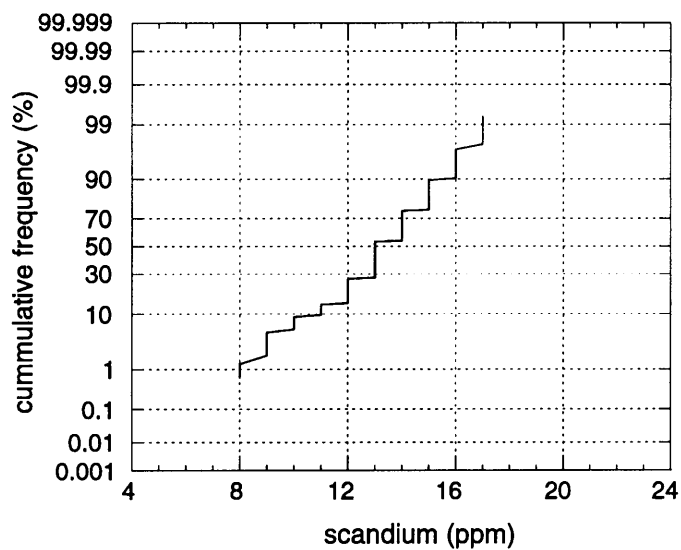
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 0.1 ppm

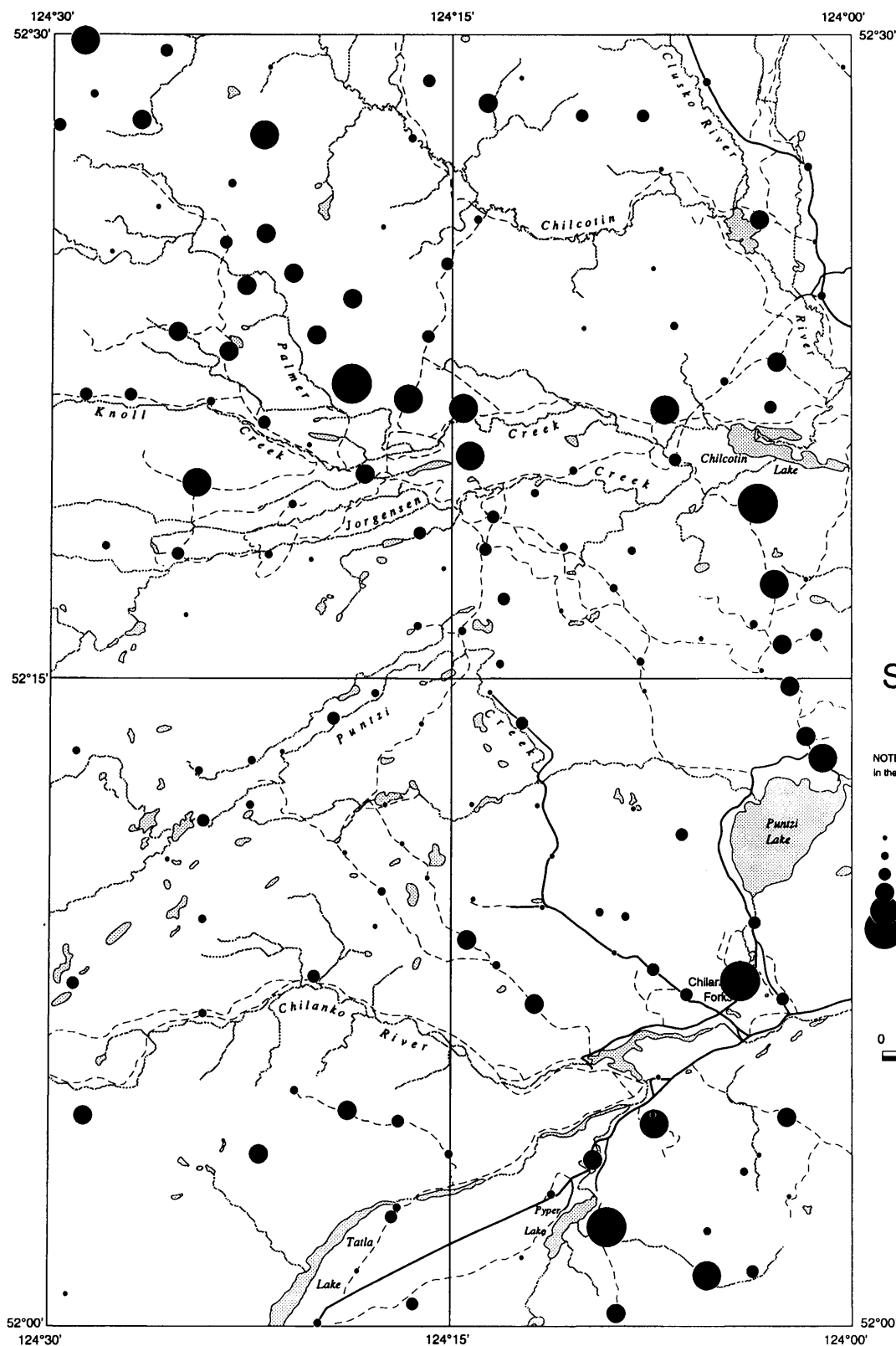
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 8
Maximum: 17
Mean: 13.3
Mode: 13
Median: 13
Lower quartile: 12
Upper quartile: 14
Standard deviation: 1.9
Coefficient of variation: 7.0

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Scandium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	8	12	42	27.3
•	12	13	41	53.9
•	13	14	33	75.3
•	14	15	23	90.3
•	15	16	11	97.4
•	16	17	4	100



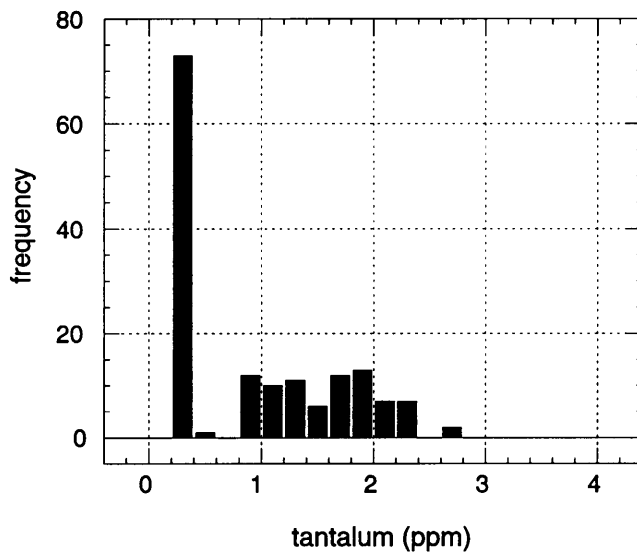
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Sc

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Tantalum

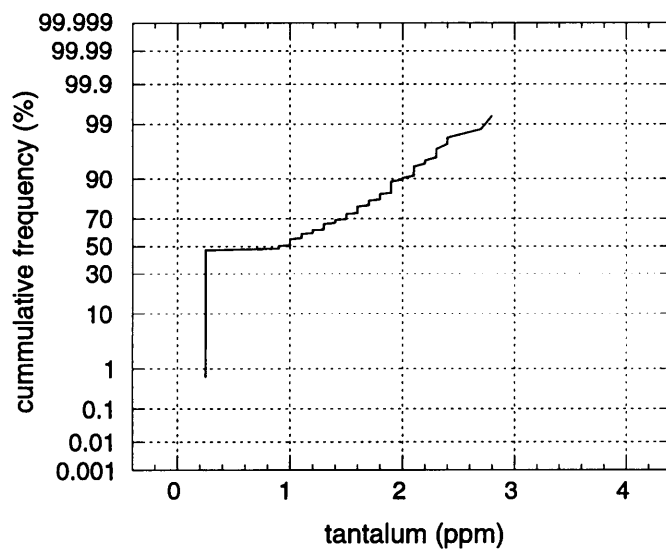
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 0.5 ppm

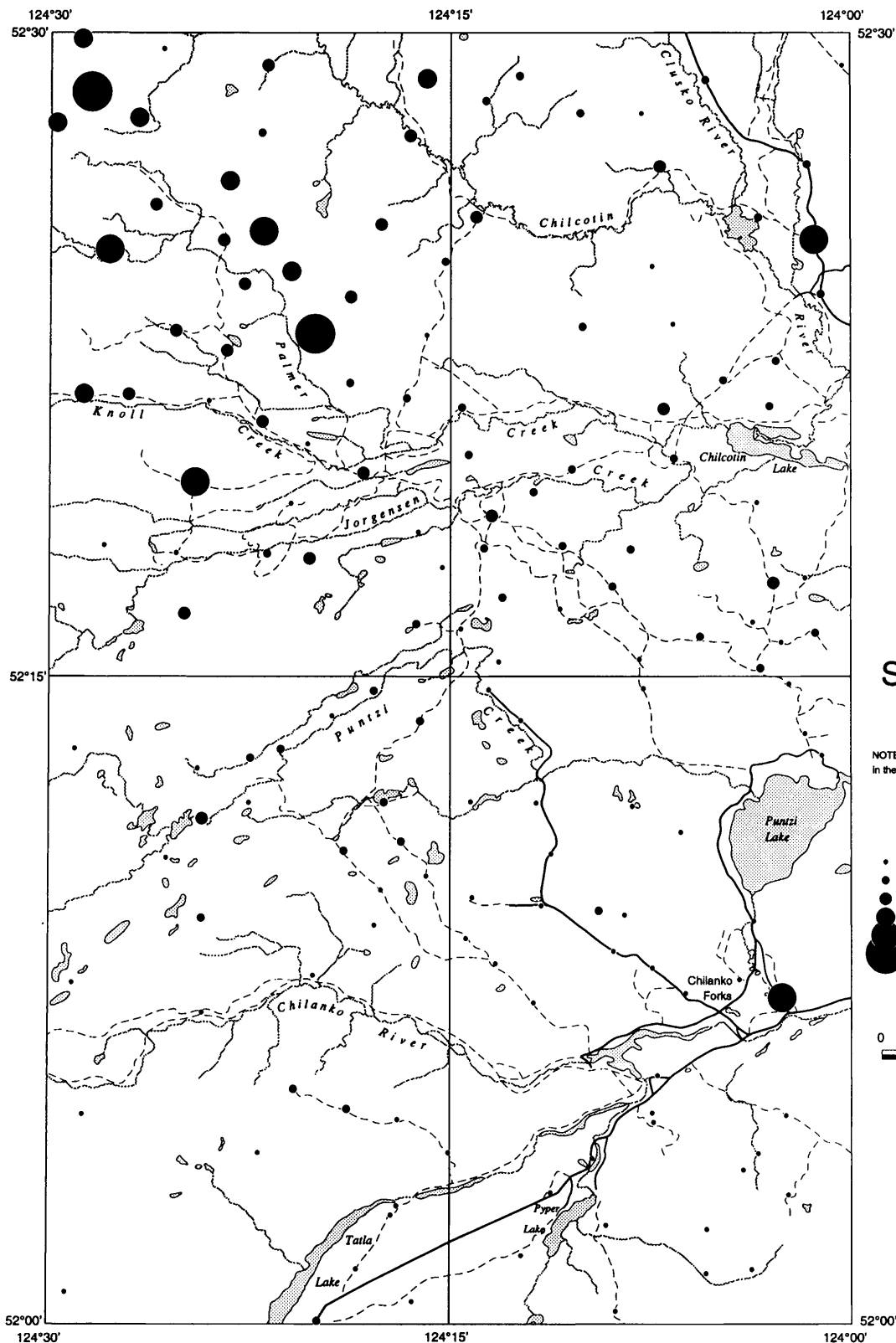
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: <0.5
Maximum: 2.8
Mean: 0.9
Mode: 0.25
Median: 0.9
Lower quartile: <0.5
Upper quartile: 1.6
Standard deviation: 0.7
Coefficient of variation: 1.3

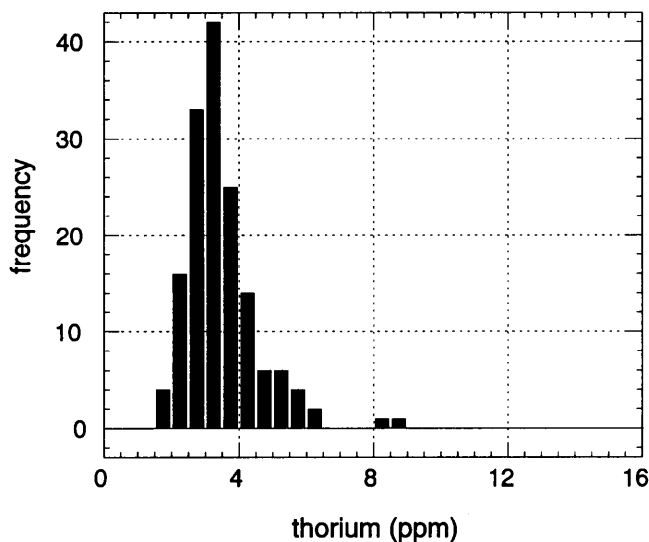
Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Thorium

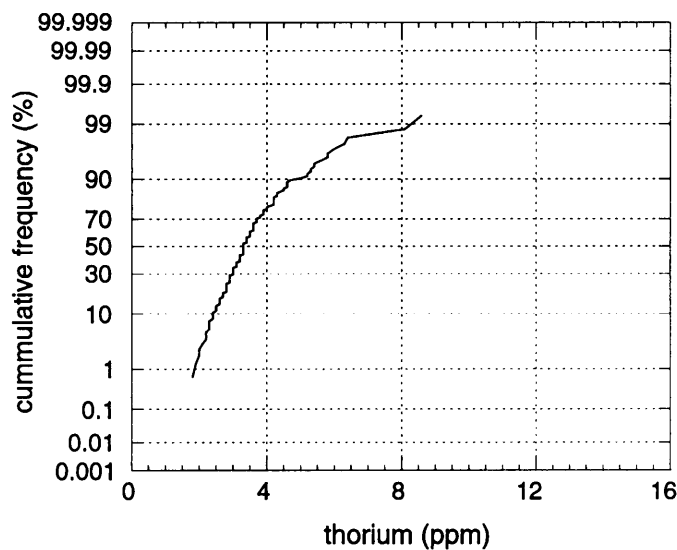
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 0.5 ppm

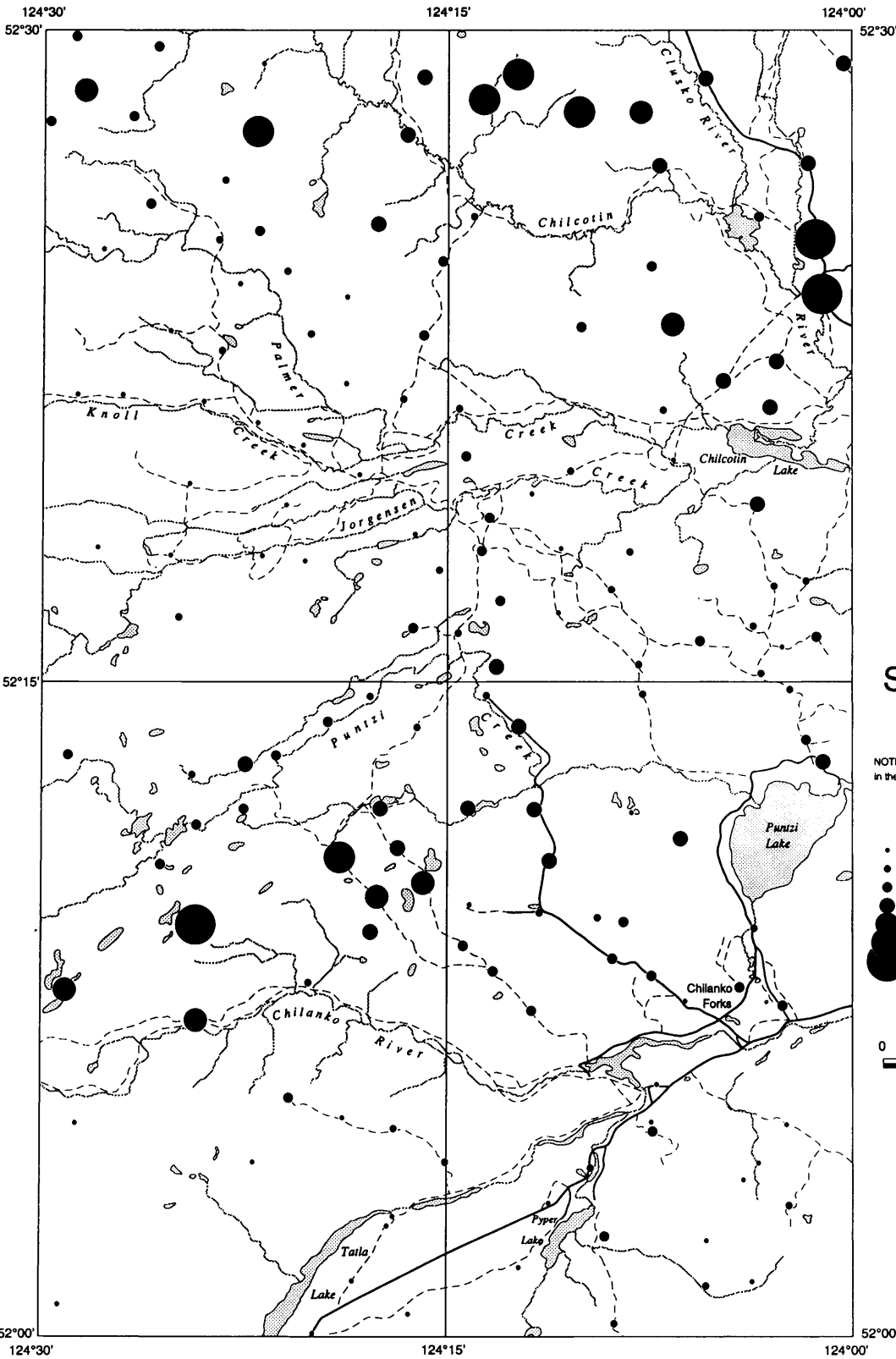
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 1.8
Maximum: 8.6
Mean: 3.5
Mode: 3.3
Median: 3.3
Lower quartile: 2.9
Upper quartile: 3.9
Standard deviation: 1.1
Coefficient of variation: 3.2

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Thorium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	1.8	2.9	45	29.2
•	2.9	3.3	36	52.6
•	3.3	3.9	36	76
•	3.9	4.7	22	90.3
•	4.7	5.4	7	94.8
•	5.4	6.3	5	98.1
•	6.3	8.6	3	100



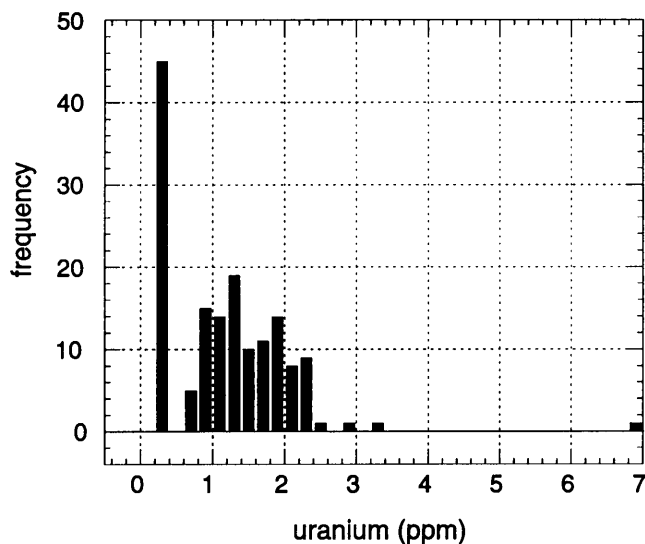
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Th

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Uranium

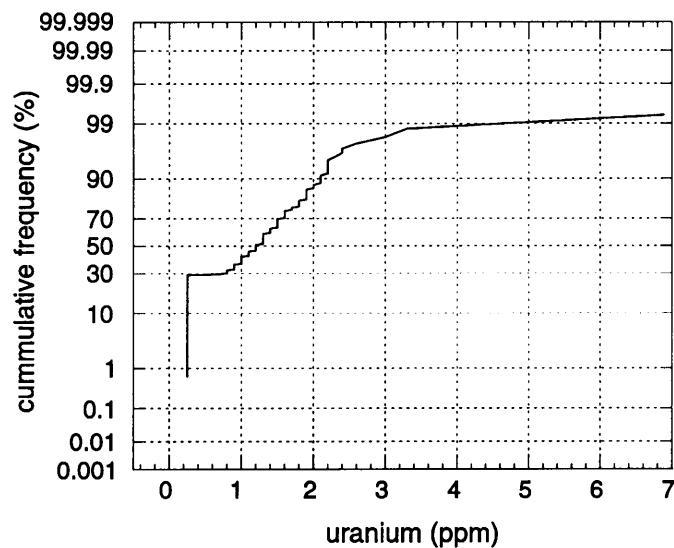
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 0.5 ppm

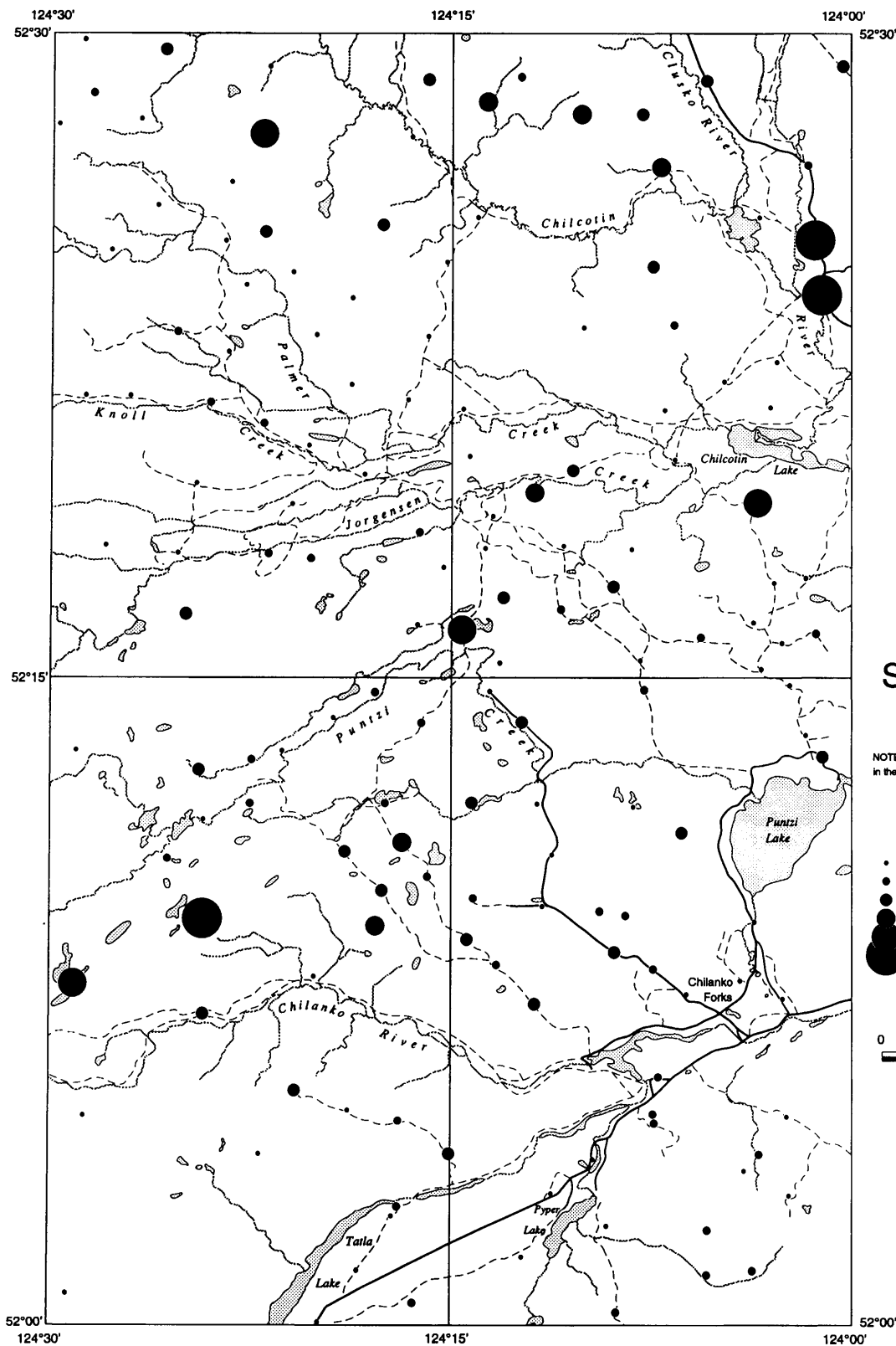
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: <0.5
Maximum: 6.9
Mean: 1.2
Mode: 0.25
Median: 1.2
Lower quartile: <0.5
Upper quartile: 1.6
Standard deviation: 0.8
Coefficient of variation: 1.5

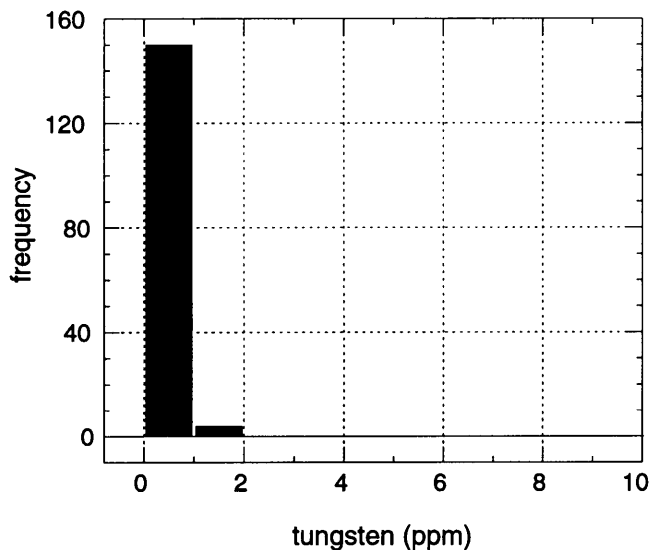
Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Tungsten

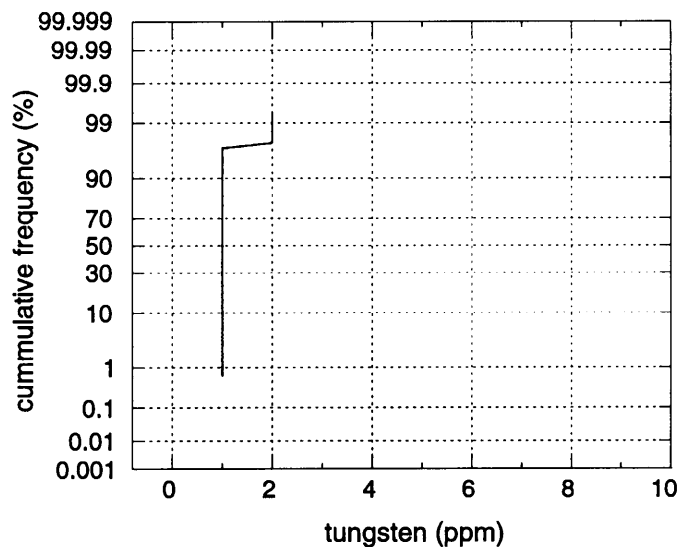
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 1 ppm

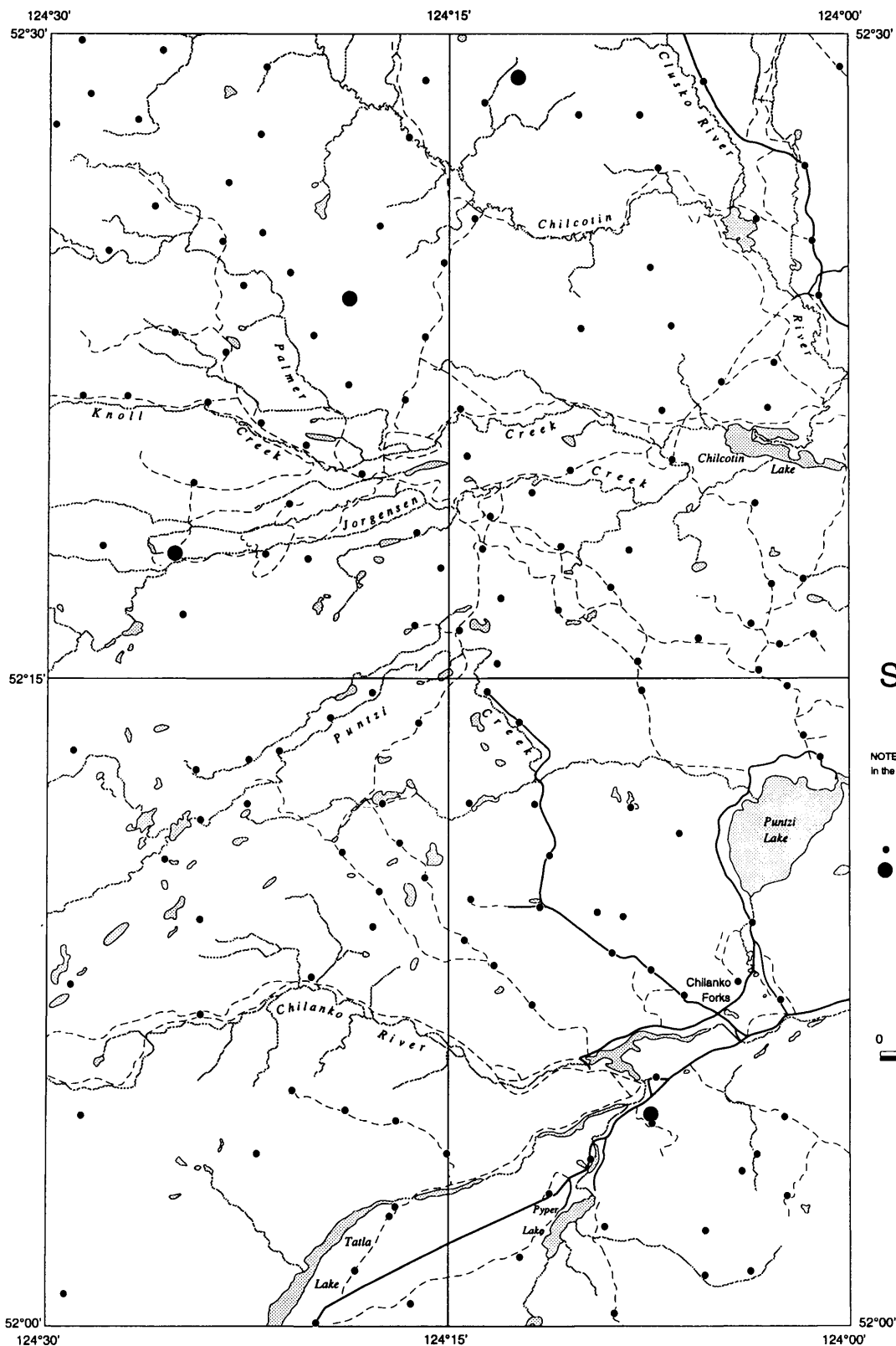
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 1
Maximum: 2
Mean: 1.0
Mode: 1
Median: 1
Lower quartile: 1
Upper quartile: 1
Standard deviation: 0.2
Coefficient of variation: 5

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Tungsten (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	1	1	150	97.4
●	1	2	4	100



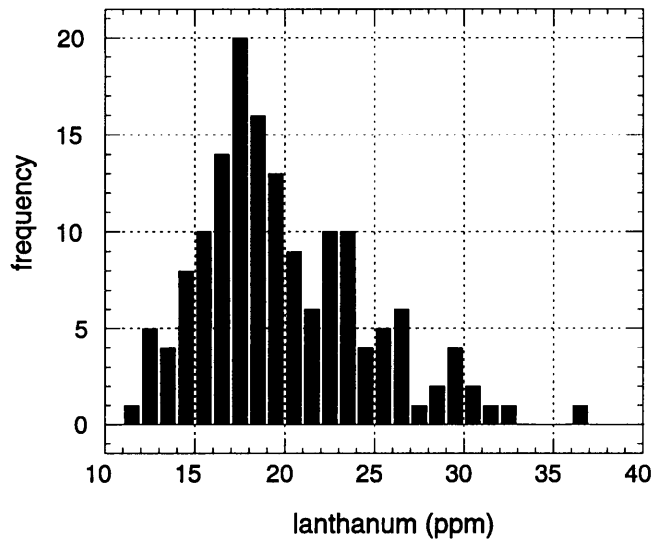
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

W

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Lanthanum

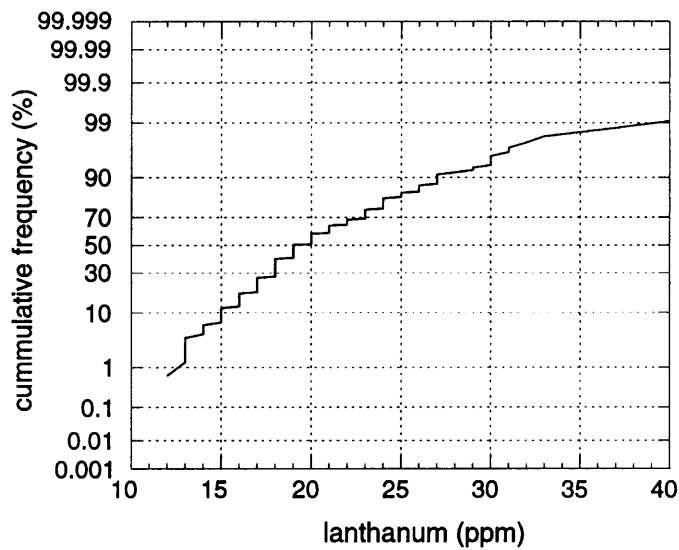
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 1 ppm

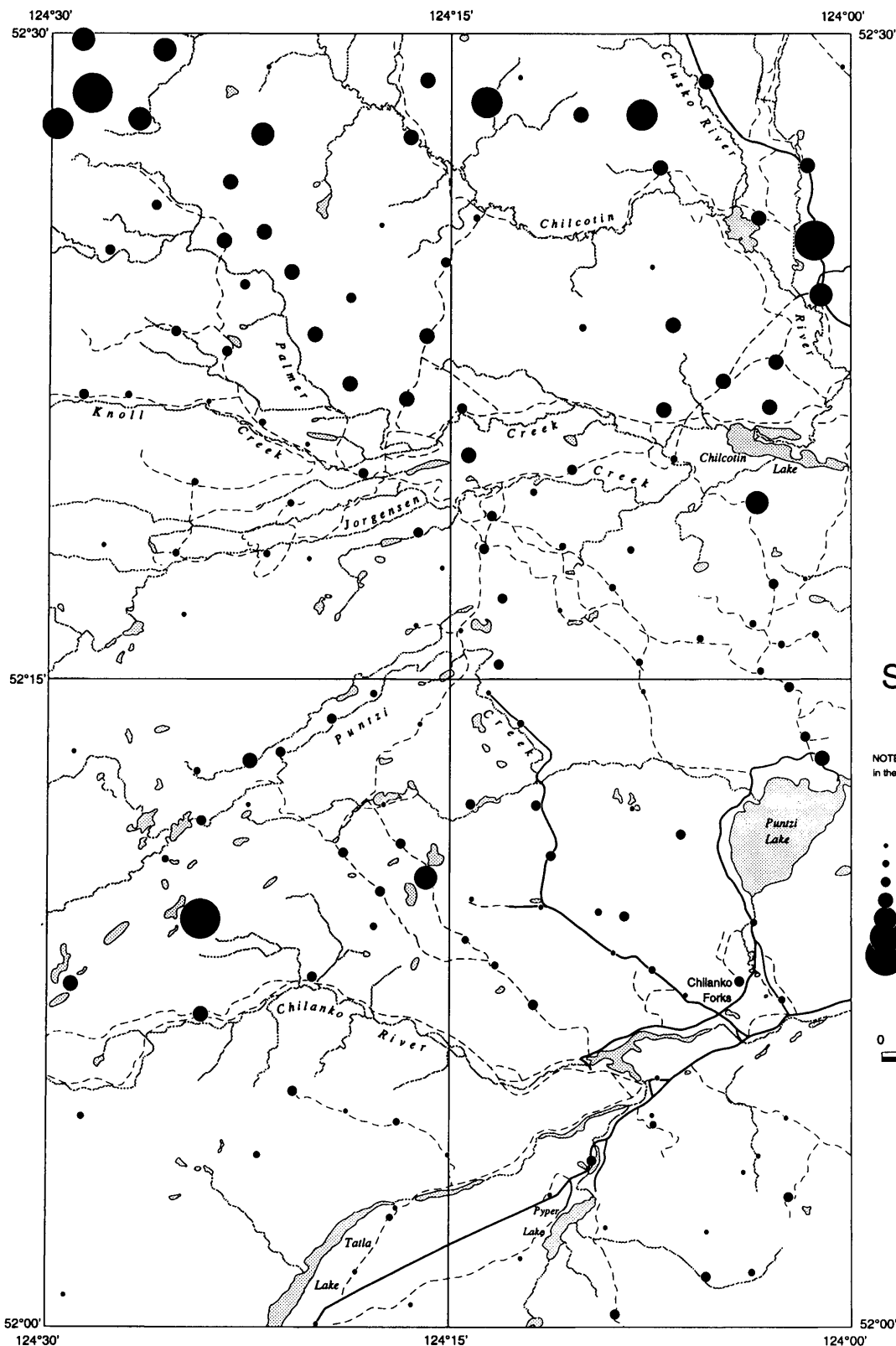
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 12
Maximum: 43
Mean: 20.6
Mode: 18
Median: 19
Lower quartile: 17
Upper quartile: 23
Standard deviation: 5.0
Coefficient of variation: 4.1

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend

Lanthanum (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	12	17	42	27.3
•	17	19	36	50.6
•	19	23	38	75.3
•	23	27	25	91.6
•	27	30	7	96.1
•	30	32	3	98.1
•	32	43	3	100



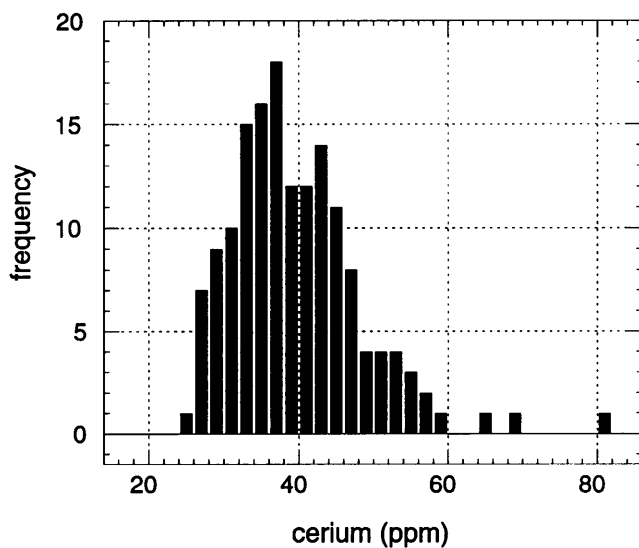
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

La

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Cerium

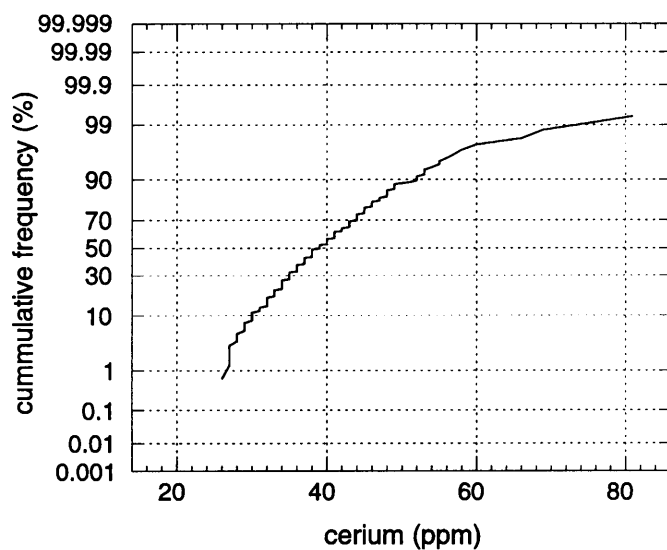
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 3 ppm

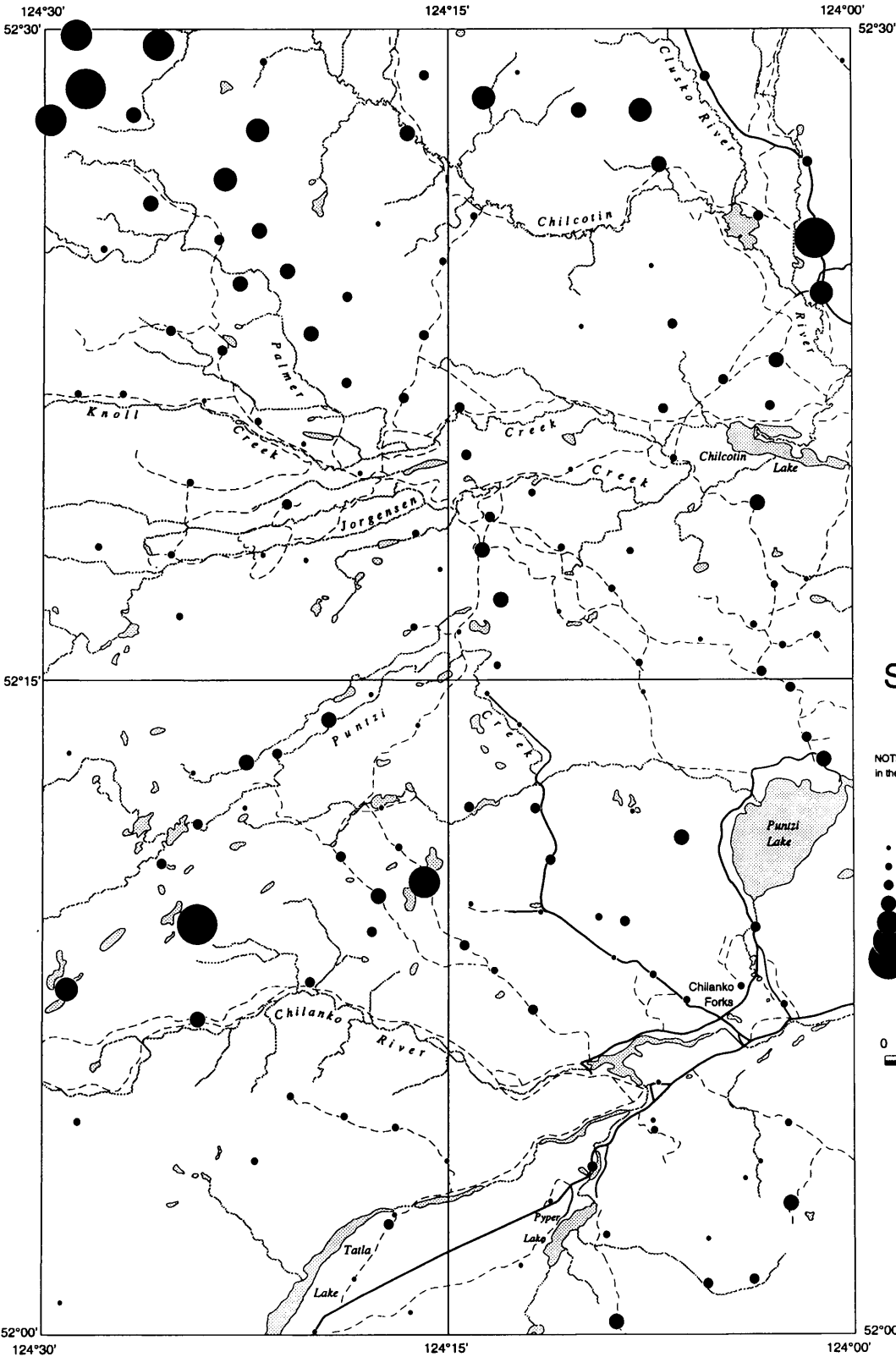
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 26
Maximum: 81
Mean: 40.1
Mode: 38
Median: 39
Lower quartile: 34
Upper quartile: 45
Standard deviation: 8.7
Coefficient of variation: 4.6

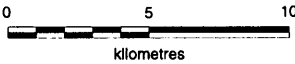
Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Cerium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	26	34	42	27.3
•	34	39	39	52.6
•	39	45	39	77.9
•	45	52	21	91.6
•	52	55	6	95.5
•	55	60	4	98.1
•	60	81	3	100



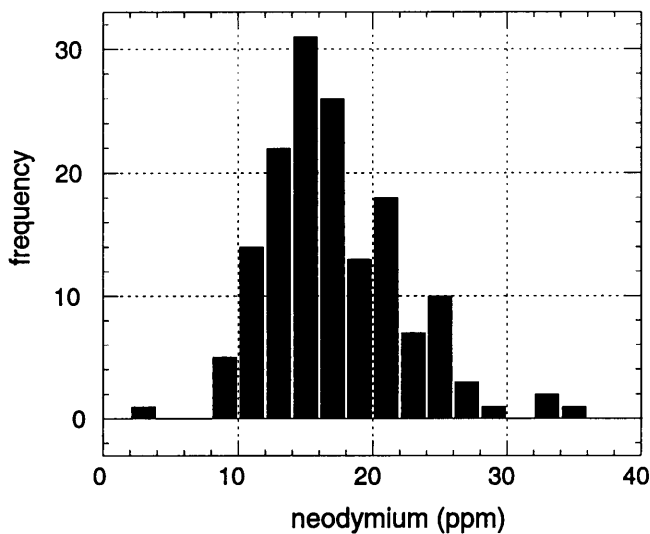
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Ce

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Neodymium

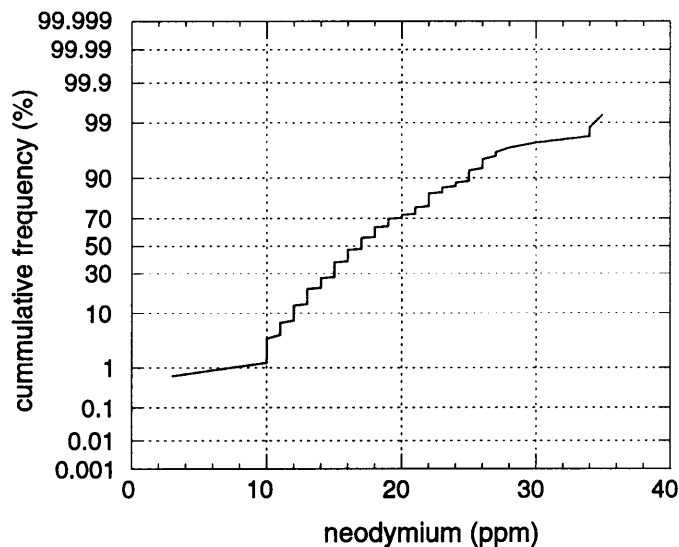
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 5 ppm

Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 3
Maximum: 35
Mean: 17.6
Mode: 15
Median: 17
Lower quartile: 14
Upper quartile: 21
Standard deviation: 5.1
Coefficient of variation: 3.5

This map illustrates the Chilanku River basin in Alaska, detailing sampling stations and key geographical features. The map is bounded by coordinates 124°00' to 124°30' West and 52°00' to 52°30' North. Major features include the Chilanku River, Chilcotin Lake, Punzi Lake, and various creeks such as Knoll, Palmer, and Jorgensen. Sampling stations are marked with black dots of varying sizes, indicating different levels of sampling intensity. A legend on the right side of the map provides a key for the symbols used, and a scale bar is included for reference.

Neodymium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	3	14	42	27.3
•	14	17	45	56.5
•	17	21	32	77.3
•	21	25	24	92.9
•	25	26	4	95.5
•	26	30	4	98.1
•	30	35	3	100



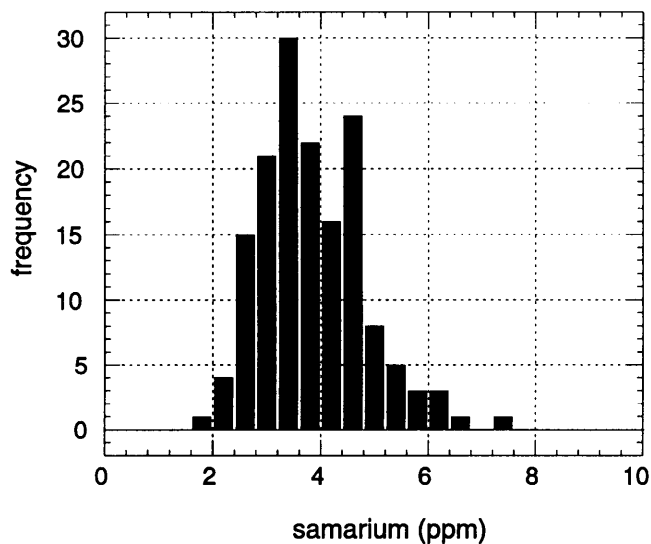
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Nd

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Samarium

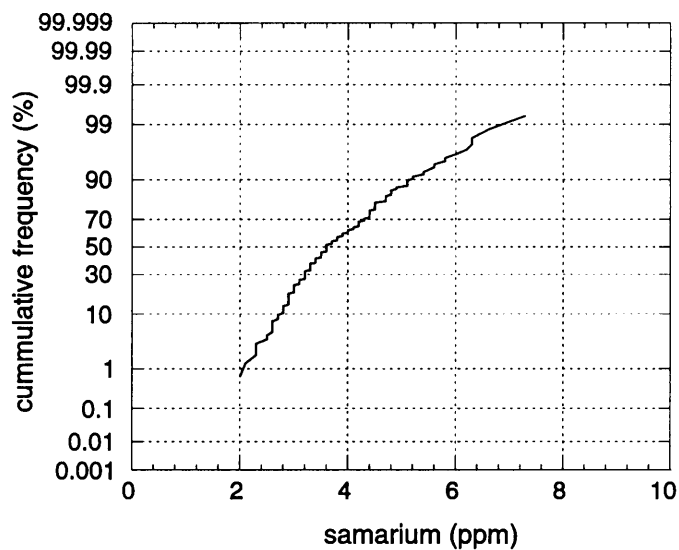
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 0.1 ppm

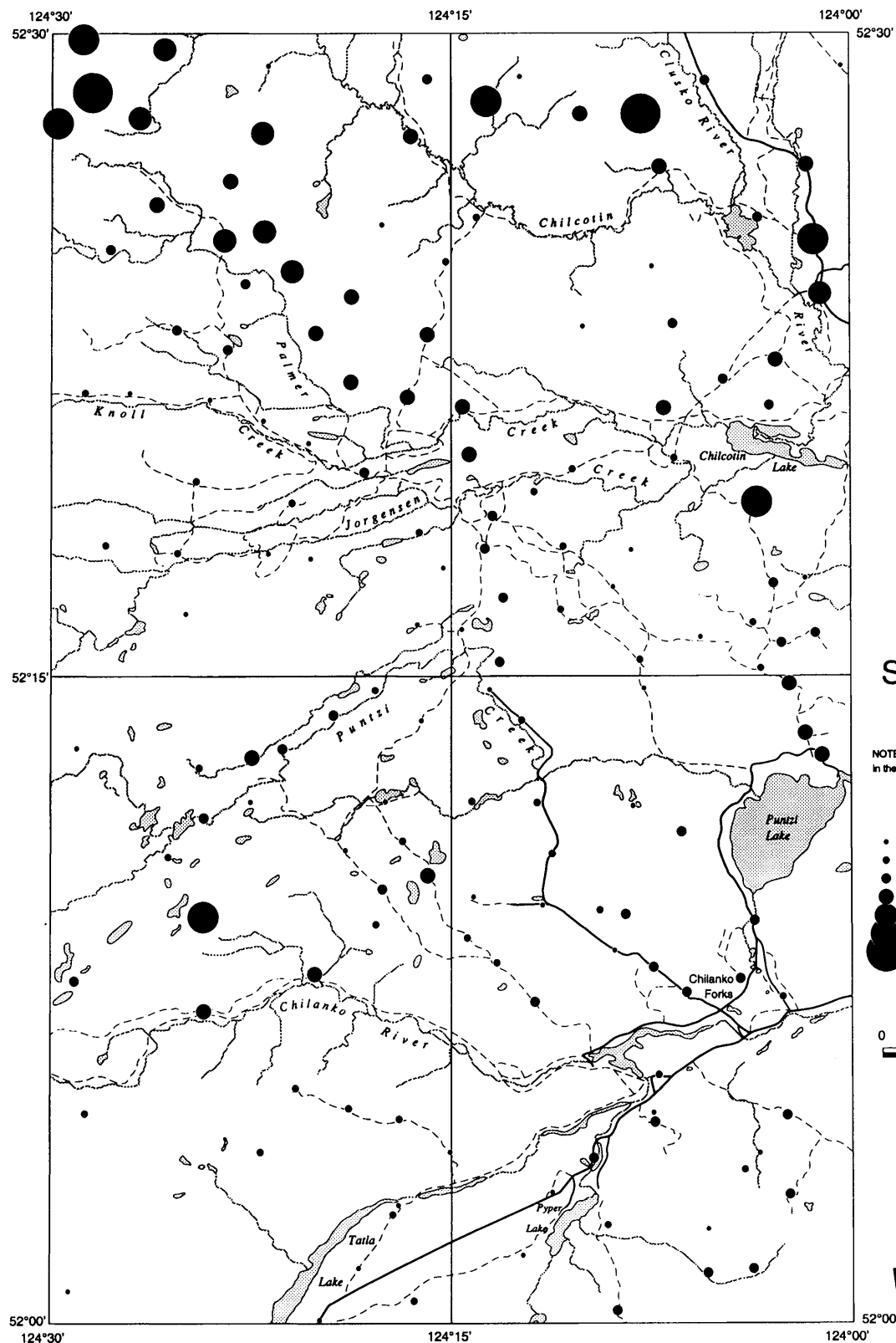
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 2
Maximum: 7.3
Mean: 3.8
Mode: 2.9
Median: 3.6
Lower quartile: 3.1
Upper quartile: 4.4
Standard deviation: 1.0
Coefficient of variation: 3.8

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Samarium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	2	3.1	41	26.6
•	3.1	3.6	39	51.9
•	3.6	4.4	37	76
•	4.4	5.1	22	90.3
•	5.1	5.6	7	94.8
•	5.6	6.3	6	98.7
•	6.3	7.3	2	100



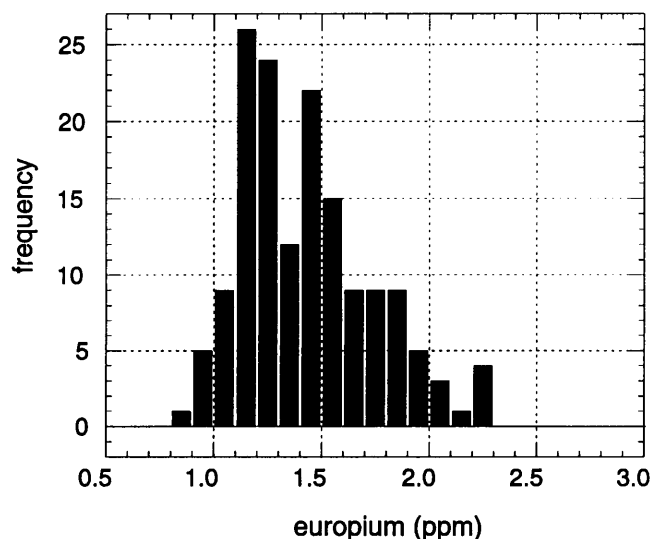
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Sm

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Europium

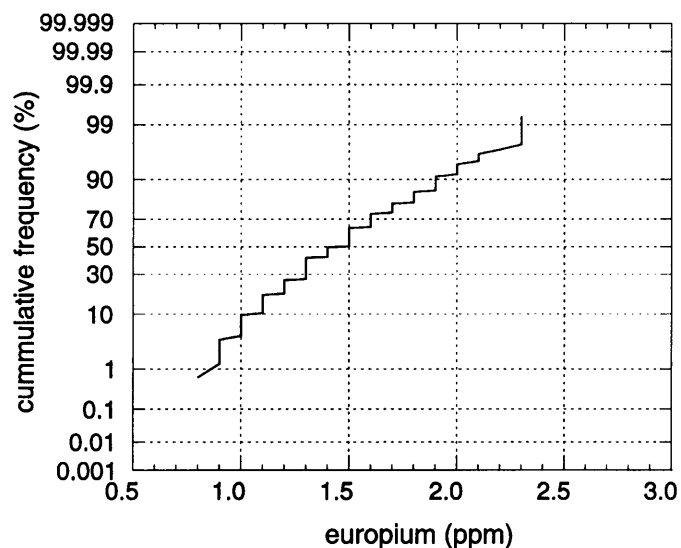
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 0.2 ppm

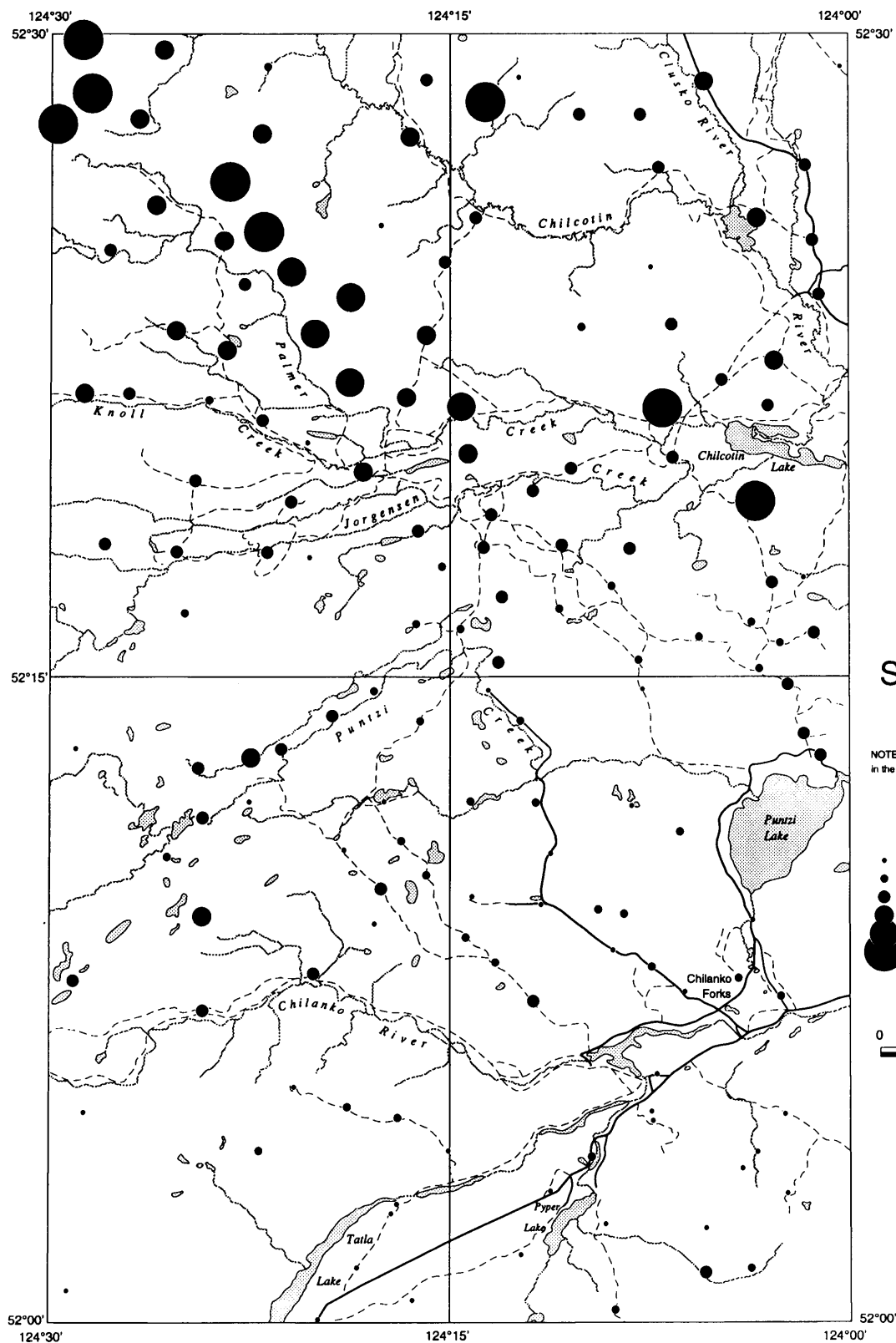
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 0.8
Maximum: 2.3
Mean: 1.5
Mode: 1.3
Median: 1.5
Lower quartile: 1.2
Upper quartile: 1.7
Standard deviation: 0.3
Coefficient of variation: 5

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Europium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	0.8	1.2	41	26.6
•	1.2	1.4	36	50
•	1.4	1.7	46	79.9
•	1.7	1.9	18	91.6
•	1.9	2	5	94.8
•	2	2.3	8	100



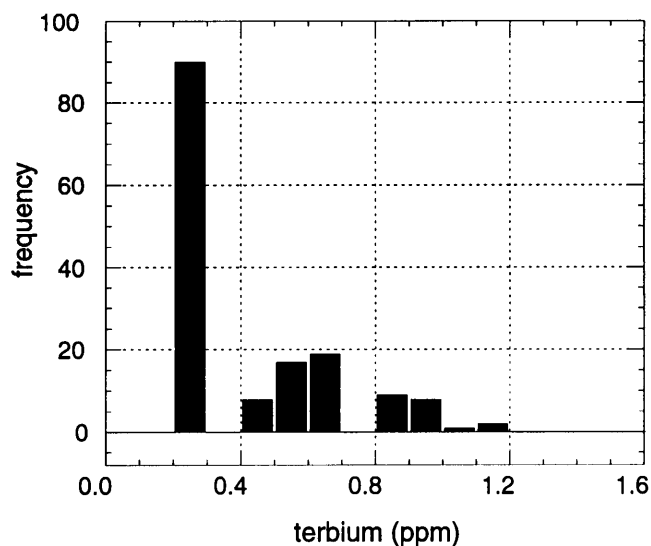
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Eu

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Terbium

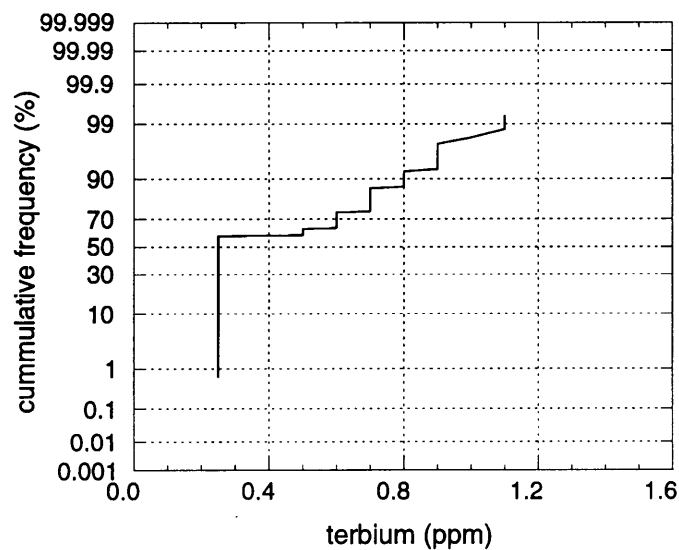
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 0.5 ppm

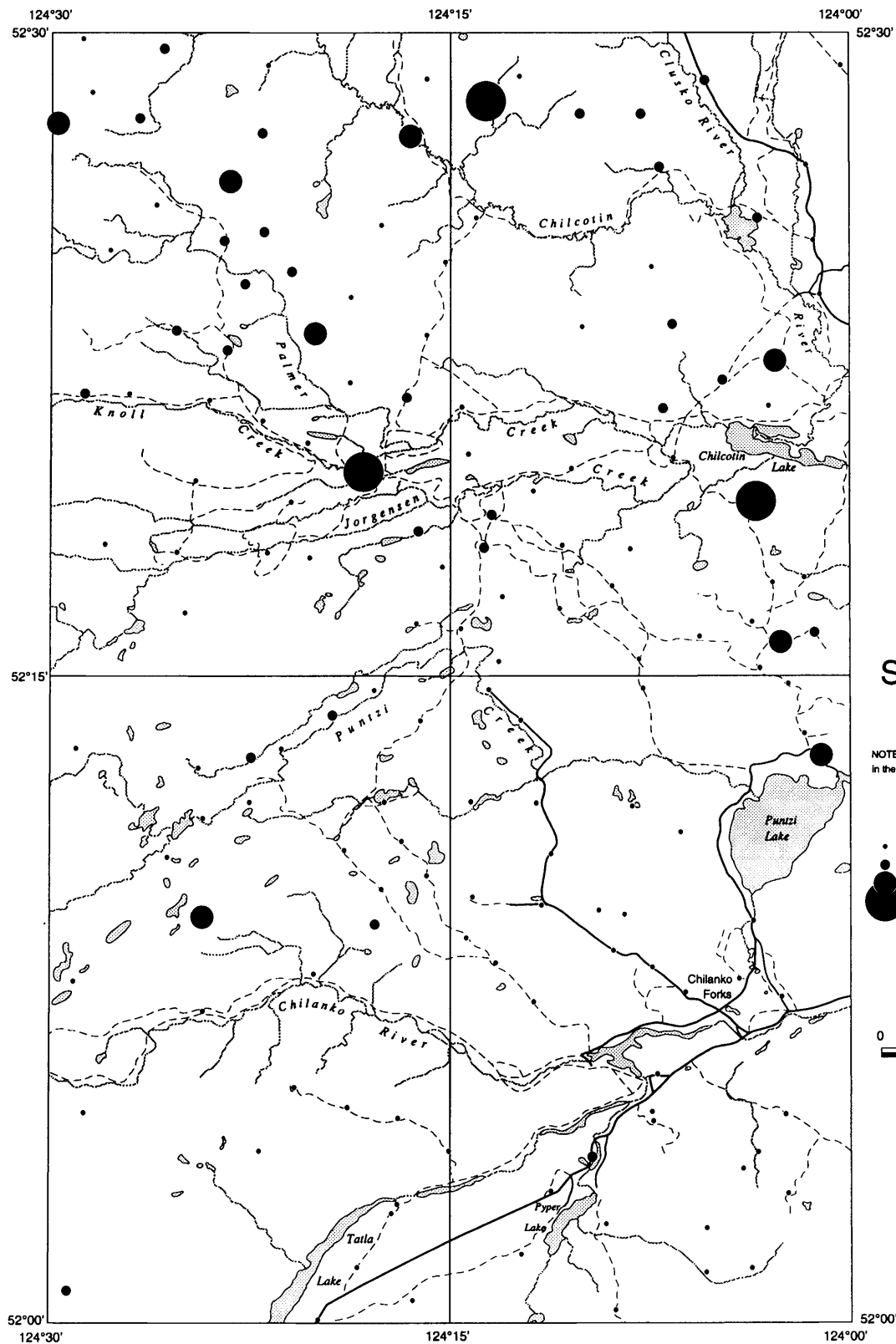
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: <0.5
Maximum: 1.1
Mean: 0.4
Mode: 0.25
Median: <0.5
Lower quartile: <0.5
Upper quartile: 0.7
Standard deviation: 0.2
Coefficient of variation: 1.8

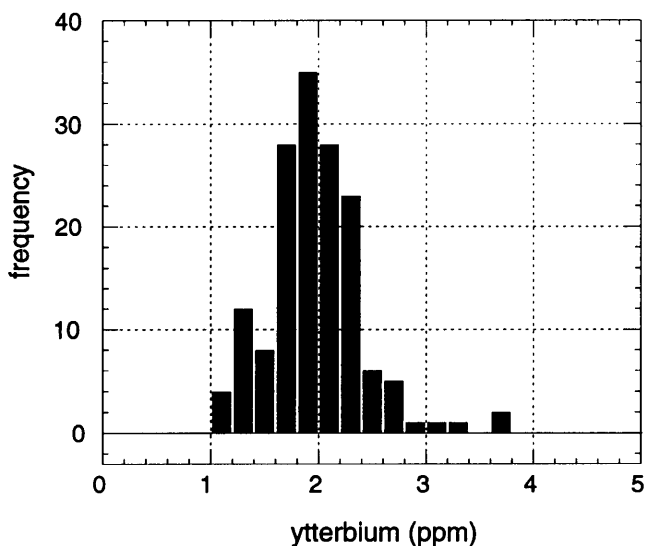
Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Ytterbium

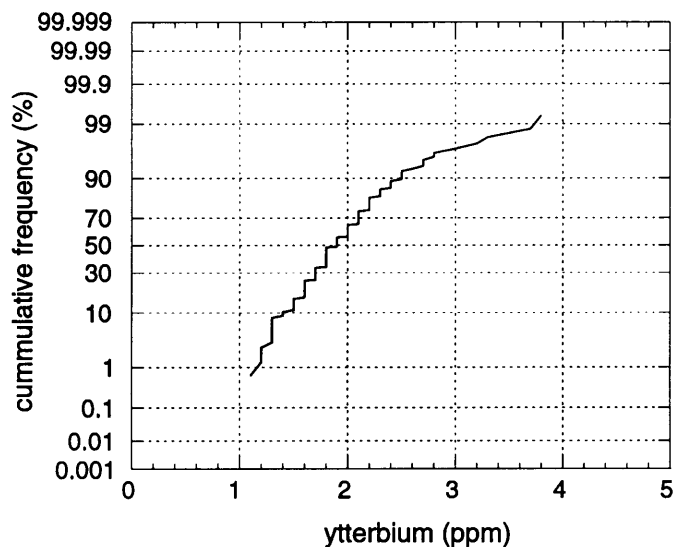
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 0.2 ppm

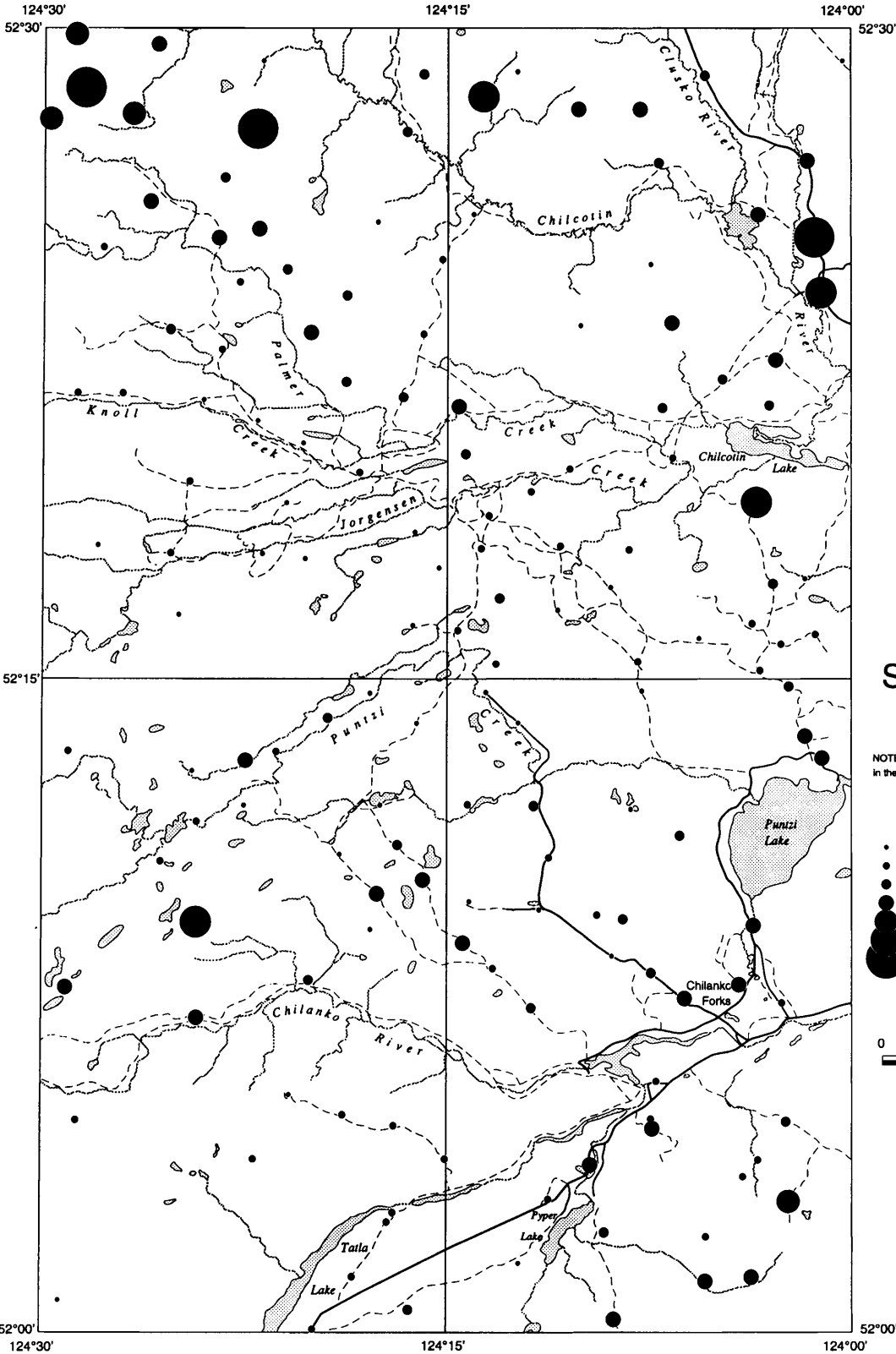
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 1.1
Maximum: 3.8
Mean: 1.9
Mode: 1.8
Median: 1.9
Lower quartile: 1.6
Upper quartile: 2.2
Standard deviation: 0.4
Coefficient of variation: 4.8

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Ytterbium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	1.1	1.6	39	25.3
•	1.6	1.9	48	56.5
•	1.9	2.1	28	74.7
•	2.1	2.5	28	92.9
•	2.5	2.7	4	95.5
•	2.7	3.2	4	98.1
•	3.2	3.8	3	100



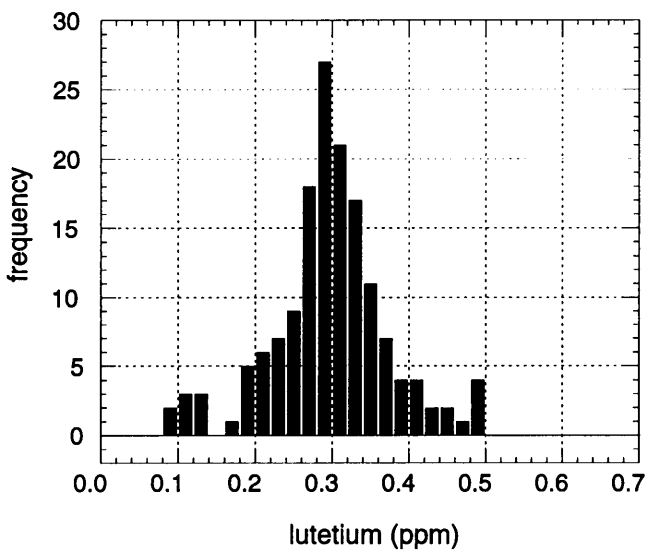
Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Yb

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C.

Lutetium

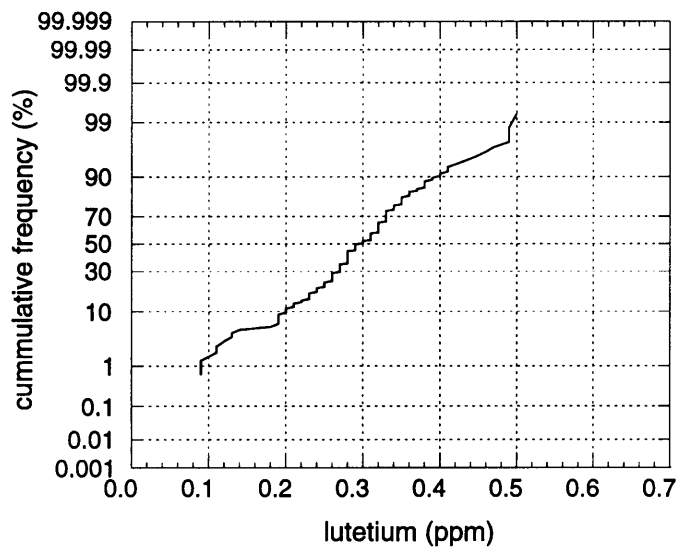
Frequency Histogram



Analytical Summary

Fraction: <0.063mm
Analytical Method: INA
Detection Limit: 0.05 ppm

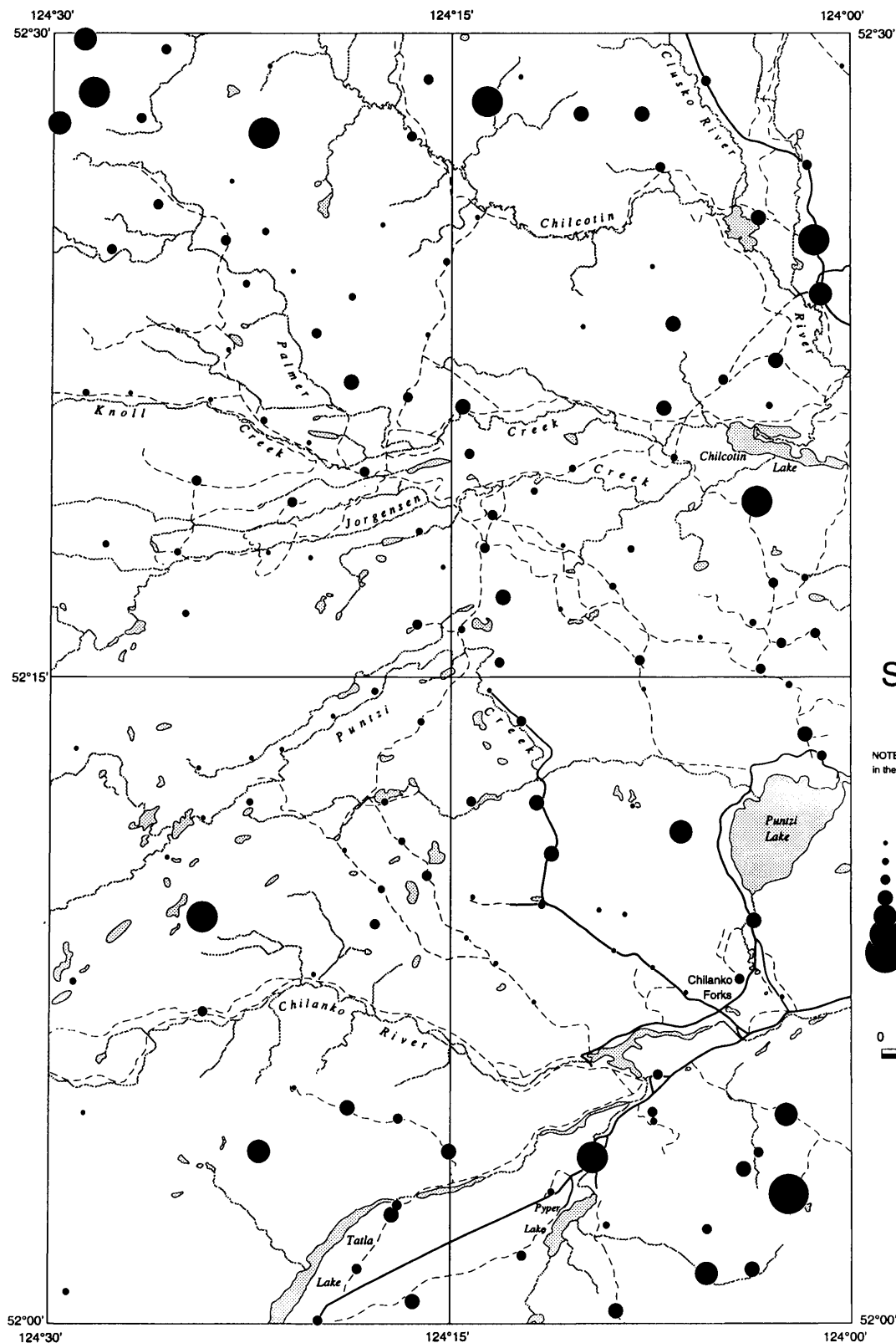
Normal Probability Curve



Summary Statistics

Number of samples: 154
Minimum: 0.09
Maximum: 0.5
Mean: 0.30
Mode: 0.28
Median: 0.30
Lower quartile: 0.26
Upper quartile: 0.34
Standard deviation: 0.08
Coefficient of variation: 3.8

Till Geochemistry of the Chilanko Forks - Chezacut Map Areas, B.C. NTS 93C/01 and 93C/08



Symbol Legend Lutetium (ppm)

NOTE: The higher value in each symbol class is included in the respective interval, while the lower value is ignored.

	MIN.	MAX.	#SAMP	%TILE
•	.09	.26	45	29.2
•	.26	.29	32	50
•	.29	.34	42	77.3
•	.34	.39	20	90.3
•	.39	.43	7	94.8
•	.43	.49	7	99.4
•	.49	.5	1	100



Transverse Mercator Projection
NAD 1927
UTM Grid Zone 9

Lu