GOVERNMENT OF
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Geological Survey

A HIGH-DENSITY LAKE-SEDIMENT AND WATER SURVEY IN NTS AREAS 13K/11 AND 13K/14, CENTRAL LABRADOR

J.W. McConnell, M.J. Ricketts and S.J. McCuaig

Open File 013K/0292

St. John's, Newfoundland
June, 2007

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Cover photo: Retrieving a sediment sample on the helicopter float.

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ABSTRACT

A lake-sediment and water survey was conducted over NTS map areas 13K/11 and the previously unsurveyed portion of 13K/14. The area lies along the border of the Nain and Churchill structural provinces and includes a part of the Central Mineral Belt. It is underlain by rocks of Archean to Proterozoic age. Archean rocks include units of the Florence Lake Group of volcanic rocks, the Kanairiktok Intrusive Suite and tonalitic to granodioritic migmatitic orthogneiss that have abundant inclusions of Maggo gneiss. Middle Proterozoic rocks include gabbros and norites of the Harp Lake Intrusive Suite and Late Proterozoic rocks include sedimentary and basaltic rocks of the Seal Lake Group. Mineralization in the area includes several occurrence of Ni and/or Cu in a variety of rock types and two U occurrences in felsic intrusive rocks.

A total of 272 samples were collected giving a sample density of about 1 per 5.6 km^2. Sampling was conducted by a float-equipped helicopter using a weighted tubular steel gravity sampler for sediment collection. Water samples were collected in nalgene bottles. Sediment samples were analyzed for a standard suite of over 50 elements. Waters were analyzed for pH, conductivity and 24 elements including Cu, Ni and Zn.

Summary statistics of the geochemical data, histograms and correlation analyses of selected sediment and water data provide a statistical examination of the data. Sample listings with UTM coordinates and selected field and analytical data are included in the appendix. Full data listings are available as a digital file on CD. Symbol maps show the distribution of nearly all analyzed elements and variables in both sediment and water. These maps indicate several anomalous sites for U, Cu, Ni and Au. Some are associated with known mineralization but most are not.

INTRODUCTION

A lake-sediment and water survey was conducted over NTS map areas 13K/11 and the previously unsurveyed portion of 13K/14 (Figure 1). The survey area lies along the border of the Nain and Churchill structural provinces and also includes a part of the Central Mineral Belt. The survey area is underlain by Archean to Proterozoic rocks. The Archean rocks include units of the Florence Lake Group of volcanic rocks, the Kanairiktok Intrusive Suite (KIS) and tonalitic to granodioritic migmatitic orthogneiss migmatite that have abundant inclusions of Maggo gneiss; mid-Proterozoic rocks include gabbros and norites of the Harp Lake Intrusive Suite and Late Proterozoic rocks include sedimentary and basaltic rocks of the Seal Lake Group. Mineralization in the surveyed area includes several occurrence of Ni and/or Cu in a variety of rock types and two U occurrences in felsic intrusive rocks.

A total of 272 samples were collected giving a sample density of about 1 per 5.6 km^2. The presence of two large lakes effectively reduced the targeted sampling density. Sampling was conducted by float-equipped helicopter using a weighted tubular steel gravity sampler. Water samples were collected in nalgene bottles and were kept cool prior to shipping. Sediment samples were analyzed for a standard suite of over 50 elements. Waters were analyzed for pH, conductivity and 25 elements including Cu, Ni and Zn.

This report provides summary statistics of the geochemical data, correlation analyses of selected sediment and water data, histograms, sample location map and symbol maps showing the distribution of several elements and variables in sediment and water. Sample listings with UTM coordinates and selected field and analytical data are included in the appendix. Full data listings are available as a digital file on the accompanying CD.

LOCATION, ACCESS AND PHYSIOGRAPHY

The survey is located in central Labrador where there is no road access. The centre of the area is 180 km north-northwest of Goose Bay and 90 km west of Postville. Access is by float plane or helicopter, and services for both are available in Goose Bay. The terrain varies from moderately rugged in the west and south to gentle, low and flat in much of the north; tree cover is nearly universal but fairly thinly spaced.

PREVIOUS GEOCHEMICAL SURVEYS

The area was included in the Labrador reconnaissance-scale surveys, which had a sample density of 1 per 14 km^2 (Friske *et al.*, 1993). Sediment analyses included 41 elements, as well as U, F and pH analyses of water. There is a broad U anomaly in sediment in the east half of NTS maps 13K/11 and 14 with four samples in the 50 to 115 ppm range. The U in sediment anomaly is similar to that of U in water. The site with the highest sediment value (115 ppm) also has the highest water value (1.20 ppb). As well there is a group of four samples in southeastern NTS 13K/11 having U values in water in the 0.4 ppb range.

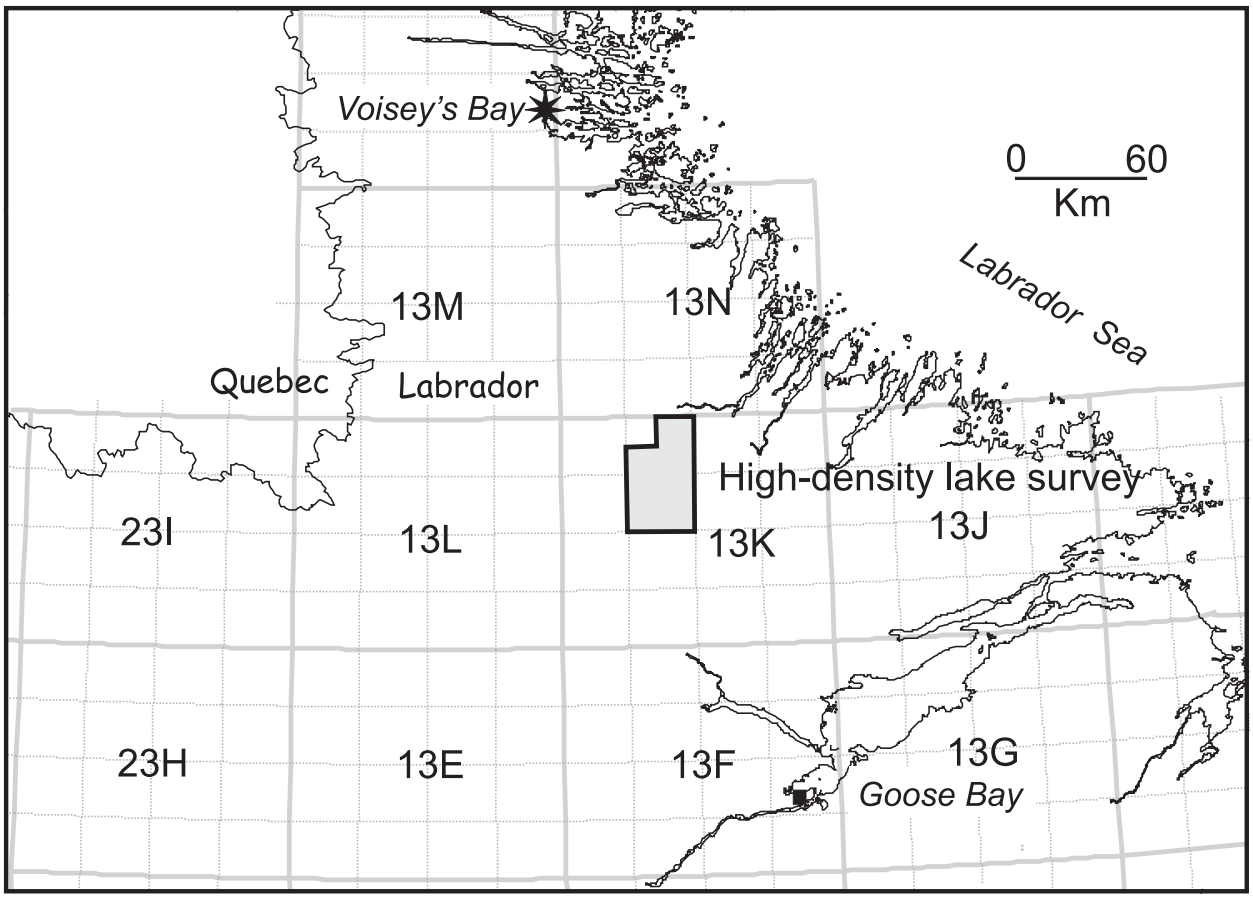


Figure 1. *Location of survey area.*

GEOLOGY AND MINERALIZATION

Most of the surveyed area lies within the Archean Hopedale Block and the adjacent Proterozoic Harp Lake Complex. A few samples were collected in the southern part of NTS area 13K/11 from areas underlain by rocks of the Central Mineral Belt. The major lithologic groups are summarized below as described by Emslie (1980) and Ermanovics (1993).

The oldest rocks in the area are Mesoarchean greywackes and siltstones of the Adlatok Formation of the Florence Lake Group. Intrusive into these are tonalites, granodiorites and foliated to gneissic metaplutonic rocks of the Kanairiktok Intrusive Suite. The final sequence of Mesoarchean rocks is migmatite consisting of felsic and gneissic undivided metaplutonic rocks and inclusions of Maggo gneiss. Archean rocks of the Hopedale Block are unconformably overlain by Paleoproterozoic rocks of the Moran Lake Group consisting of shales, siltstones and mudstones, and intrusive into the Hopedale Block are rocks of the Mesoproterozoic Harp Lake Complex. Emslie (1980) recognized two phases in the survey area - an older border phase of monzonite, charnokite and granite is intruded by anorthosite, leuconorite and, less commonly, leucogabbro. The youngest rocks in the area, also of Mesoproterozoic age are arkoses, sandstones and basalts of the Seal Lake Group. These are found only in the southwestern part of the area.

Metallic mineralization is widespread (Geological Survey of Newfoundland and Labrador, 2005). Most numerous are Cu occurrences with 15 instances known ranging from Archean examples in the Kanairiktok Intrusive Suite, to those in Mesoproterozoic rocks of the Harp Lake Complex and the Seal Lake Group. Next most numerous are the six occurrences of Ni mineralization, all restricted to rocks of the Hopedale Block. Two instances of U and one of Mo mineralization are known, also from the Hopedale Block.

SURFICIAL GEOLOGY

The most recent surficial mapping in the area is that of McCuaig and Smith (2005). The area was exposed to several episodes of glaciation. The first and most significant one had a northeasterly ice direction; a subsequent ice flow was controlled topographically but had a similar trend varying from northeast to east. Till is the most common and widespread glacial sediment. In granitic terrane, the till is thick and hummocky with numerous large boulders. The uplands have little glacial cover and some lowlands and valleys contain glaciofluvial sediments, mostly subaerially deposited outwash. Geochemical exploration in the latter would be problematic particularly using soil or even stream sediment unless the streams cut through to bedrock. A map showing ice movement in the area is given in Figure 2.

SAMPLE COLLECTION

Samples of organic lake sediment and lake water were collected from 257 sites, and about one site in 20 was sampled in duplicate for a total of 272 samples. These duplicate samples were collected about 50 m apart. Generally, smaller lakes were sampled in this survey than was the case for the reconnaissance survey, in which the objective had been to obtain a more regional geochemical perspective. Normally, the centre of the lake (or if apparent from the air, the central basinal portion of the lake) was sampled. On some deep lakes (>25 m), no sample was retrieved in lake centres and a sample from a shallower site closer to shore was obtained. The collection procedure involves landing a float-equipped 206-B Jet Ranger helicopter on the lake surface and dropping a weighted tubular sampler fitted with a nylon rope for retrieval. A butterfly valve in the bottom of the tube opens upon impact with the sediment and closes upon retrieval, trapping the contained sediment. Samples are stored in water-resistant Kraft paper bags. Markings on the rope permit determination of the sample depth. Other observations made during sampling include GPS coordinates of the site, the nature of vegetation surrounding the lake, sediment colour, texture and composition and water colour.

Samples of lake water were collected before the sediment sampler was dropped to avoid water contamination. Samples were collected in purified, 125 mL Nalgene bottles. These were filled by immersing the bottles about 40 cm below the lake surface. Prior to sampling, the bottles were acid leached in the laboratory, and washed with distilled and deionized water. Sampling of a typical site took about one minute between touchdown and takeoff.

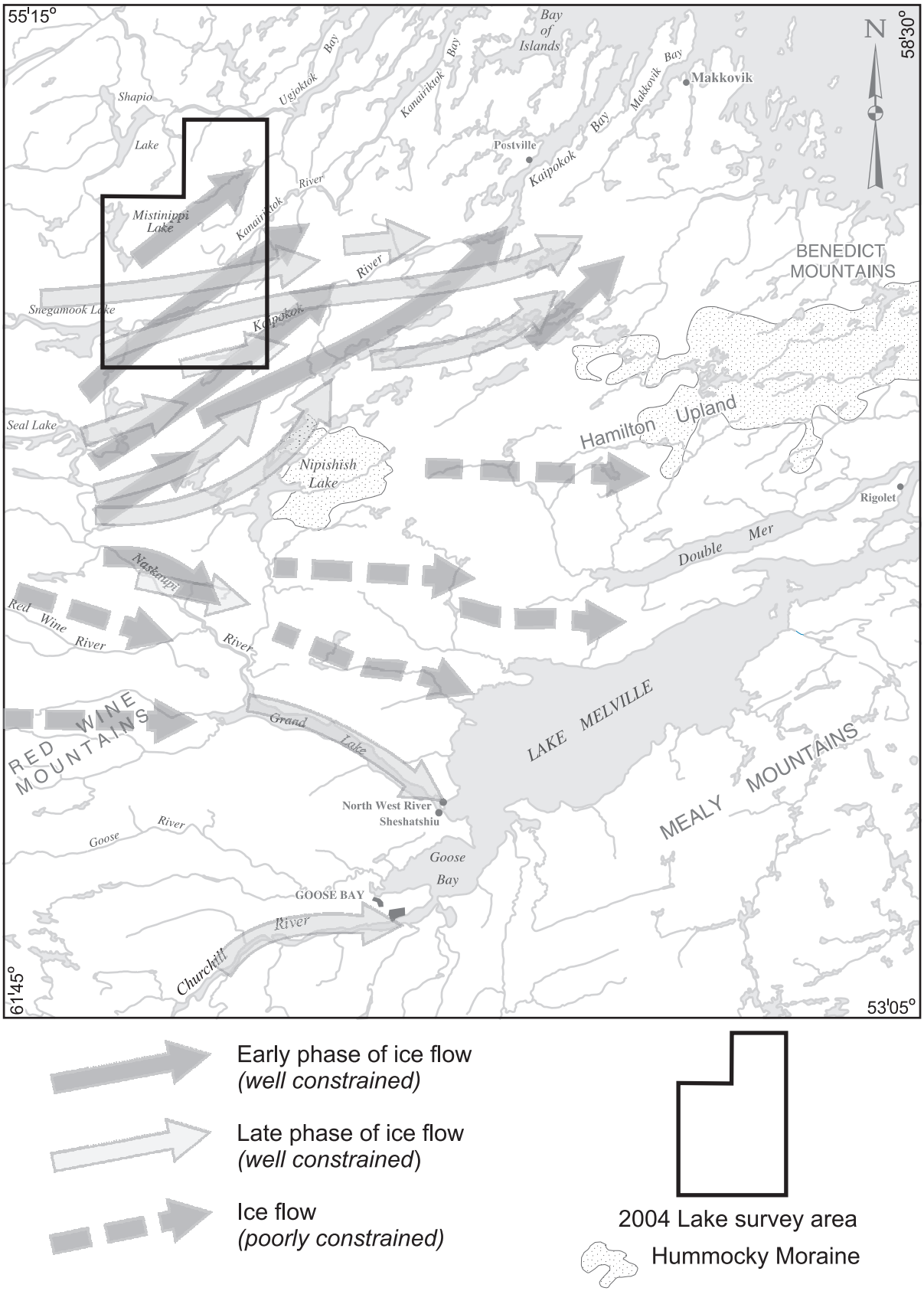


Figure 2. *Regional ice flow, central Labrador (after McCuaig and Smith 2005).*

SAMPLE PREPARATION AND ANALYSES

Preparation

Lake sediments were partially air-dried in the field prior to shipping to the departmental laboratory for final oven-drying at 40°C. The samples were then disaggregated using a mortar and pestle before being screened through a 180 micron stainless-steel sieve. The fine fraction was retained for chemical analyses. To monitor analytical precision, five percent of the samples were randomly selected, split and included as blind duplicates in all analytical procedures. Water samples were stored in a cool environment prior to shipping to St. John's. At the laboratory, waters were filtered using a 0.45 μm millipore filtration apparatus.

Analyses

Lake sediment was analyzed using four methods for 49 unique elements plus loss-on-ignition. In addition, 15 of these elements were analyzed using a second method for a total of 66 separate determinations. The methods of analyses are tabulated in Table 1. Elements that are analyzed using two methods, one of which gives preferable results for reasons of improved detection limit

Table 1. Analytical methods for lake-sediment samples

ELEMENTS	METHOD	DIGESTION/ PREPARATION
(Ag) As, Au, Ba, Br, Ca, Ce, Co, Cr, Cs, Eu, Fe, Hf, La, Lu, Mo, Na, Nd, (Ni), (Rb), Sb, Sc, Sm, (Sr), Ta, Tb, Th, U, W, Yb, (Zn), (Zr)	Neutron Activation Analysis (INAA)	5 to 10 g in shrink-wrapped vial (total analysis)
Al, (As), Ba, Be, Ca, Cd, Ce, Co, Cr, Cu, Dy, Fe, K, La, Li, Mg, Mn, Mo, Na, Nb, Ni*, P, Pb, Rb*, Sc, Sr*, Ti, V, Y, Zn*, Zr*	Inductively Coupled Plasma Emission Spectrometry (ICP-ES)[1]	$Hf\text{-}HClO_4\text{-}HCl$ (total digestion)
Ag*	Atomic Absorption Spectrometry (AA)[2]	HNO_3
F	Fluoride-ion specific electrode with digital ion analyzer[2]	2:1 Na_2CO_3:KNO_3 flux, fusion
Loss-on-ignition (LOI)	Gravimetric using muffle furnace raised to 500°C	

* indicates preferred method of analysis
( ) indicates less favoured method of analysis; use alternative

[1] Finch, C.J., 1998
[2] Wagenbauer *et al.*, 1983.

or precision, are distinguished by an asterisk. All analyses except INAA were performed in the geochemical laboratory of the Department of Natural Resources. The INAA analyses were performed by ActLabs. To enable the user to readily distinguish the method of analysis for a given element, a suffix is attached to the element symbol when used in most tables and figures as well as in the appendix and digital data files. The key to the suffixes is as follows:

1. Neutron activation analysis (INAA).

2. ICP-ES after HF-$HClO_4$-HCl digestion

6. Silver by AA after HNO_3 digestion.

9. Fluoride-ion selective electrode.

In the foregoing, "ICP-ES" refers to inductively coupled plasma-emission spectrometry; "AA" is atomic absorption spectrometry. Thus, Zn2 is zinc analyzed by ICP-ES/HF-$HClO_4$-HCl whereas Zn1 is zinc analyzed by INAA.

Lake water was analyzed for conductivity, pH, SO_4 and 23 elements using the methods noted in Table 2.

DATA QUALITY

To ensure the reliability of the analytical data, three means of determining data accuracy and precision were employed. During sample collection, pairs of site duplicates for sediment and water samples were obtained from 13 lakes to give an appreciation of within-lake data variation. The duplicate samples were taken about 50 m apart. At the analytical stage, a standard of known

Table 2. Analytical methods for lake-water samples

ANALYSIS	METHOD	PREPARATION
pH	Corning combination pH electrode	None
Conductivity	Corning conductivity sensor	None
Ca, Fe, K, Mg, Mn, Na, Si, SO_4	ICP-emission spectroscopy[1]	Filtration (0.45 μm) and HNO_3 acidification
Al, Ba, Be, Co, Cr, Cu, Li, Mo, Ni, P, Pb, Sr, Ti, V, Y, Zn	ICP-ultrasonic nebulizer[1]	Filtration (0.45 μm) and HNO_3 acidification

[1] Finch, C.J., 1998.

composition was inserted within every batch of 20 samples and a sample split, or laboratory duplicate, was similarly included. For sediment, international reference standards composed of lake-sediment material were used, notably LKSD-1, LKSD-2, LKSD-3 and LKSD-4. For water, standards used were both naturally occurring water and synthetic standards created in the laboratory to predetermined compositions. The results of these standards were monitored and found to be satisfactory for most elements.

Site duplicates are useful because they give an appreciation of overall data variance occurring at both the sampling and analytical stages. Since they consist of samples from the survey itself, they may reveal limitations in the data that are specific to the area and which may not show up in the reference standards. Scatter plots of 65 variables for sediment analyses along with the Spearman correlation coefficient (r) are shown in Figures 3a, 3b and 3c. The higher the value, the better the correlation with 1.00 being a perfect correlation. A comparison of coefficients for the same element by different methods is a useful way to select the more reliable method. For example, Cr1 (by INAA) gives a better correlation than Cr2 (by ICP). On the other hand, ICP is better for Ba, Ca and Mo. In fact, the Ca1 data are so poor as to be of little or no use. Some plots, e.g., Cs1, appear to have fewer than 13 points. This is because many or all points are coincident, being less than the detection limit.

Scatter plots of 25 variables from site duplicates in water are shown in Figures 4a and 4b. In general, the correlations are stronger between water duplicates than between sediment duplicates. This is not surprising in as much as water is a more homogeneous medium than sediment and, unlike sediment, is not prone to compositional modifications within a lake due to variations in depth, LOI, Fe/Mn oxide scavenging and bottom currents. Many elements have very strong correlations ($r>0.9$) with some others being less satisfactory but still useful (Ti, $r=0.40$). There appears to be a problem with one sample in the "w2" analyses. The same sample has extremely high values for most of the "w2" analyses although is normal for the "w1", pH and conductivity analyses. This is likely an analytical issue not a sampling issue but the sample is included for the sake of completeness. Analyses of Co, Cr, Mo, Pb, P, Y and Zn appear to be of little use in this area particularly for values near the detection limits.

DESCRIPTION AND DISCUSSION OF RESULTS

STATISTICAL ANALYSIS

Summary Statistics

To quantify the range and distribution characteristics of the element populations, summary statistics have been calculated for the sediment and water data and a selection of these is tabulated in Tables 3 and 4. Statistics tabulated include the median, arithmetic mean, geometric mean, arithmetic standard deviation, logarithmic standard deviation, minimum and maximum. Because the distributions of most element populations are more log-normal than normal, the geometric means as well as arithmetic means are given.

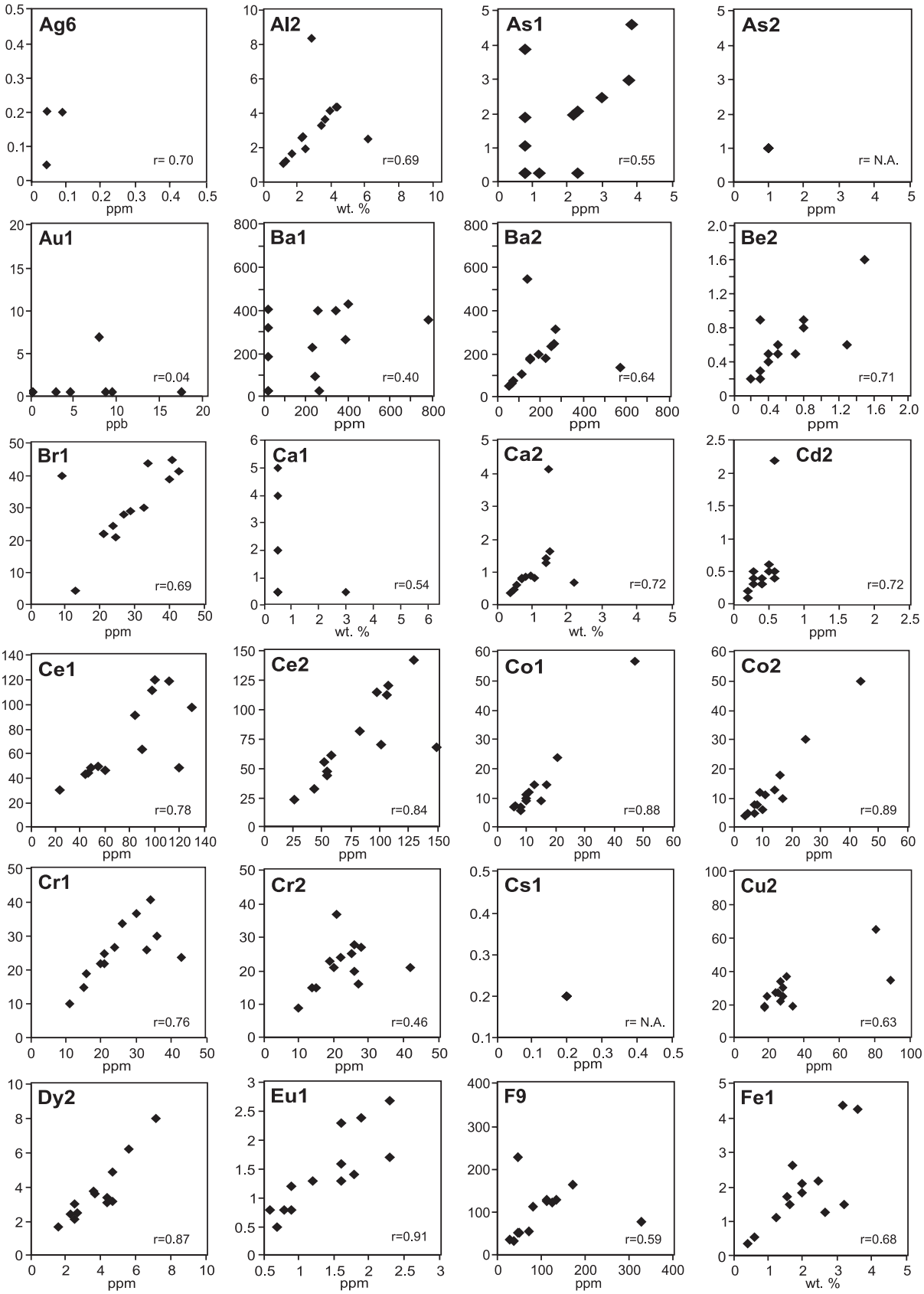


Figure 3a. *Scatter plots of Ag6, A12, As1, As2, Au1, Ba1, Ba2, Be2, Br1, Ca1, Ca2, Cd2, Ce1, Ce2, Co1, Co2, Cr1, Cr2, Cs1, Cu2, Dy2, Eu2, F9 and Fe1 in site duplicates of lake sediment (N=13).*

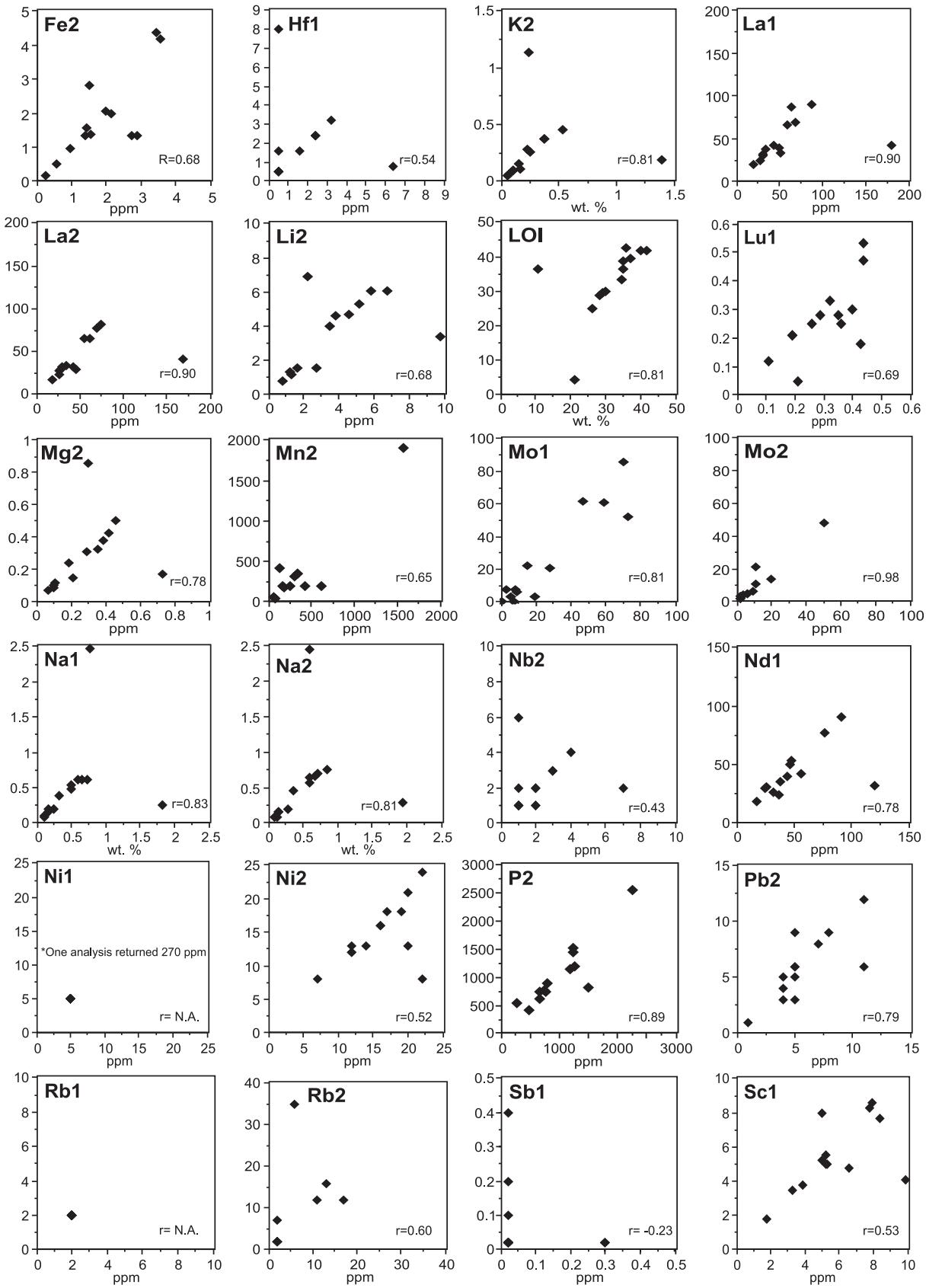


Figure 3b. *Scatter plots of Fe2, Hf1, K2, La1, La2, Li2, LOI, Lu1, Mg2, Mn2, Mo1, Mo2, Na1, Na2, Nb2, Nd1, Ni1, Ni2, P2, Pb2, Rb1, Rb2, Sb1 and Sc1 in site duplicates of lake sediment (N=13).*

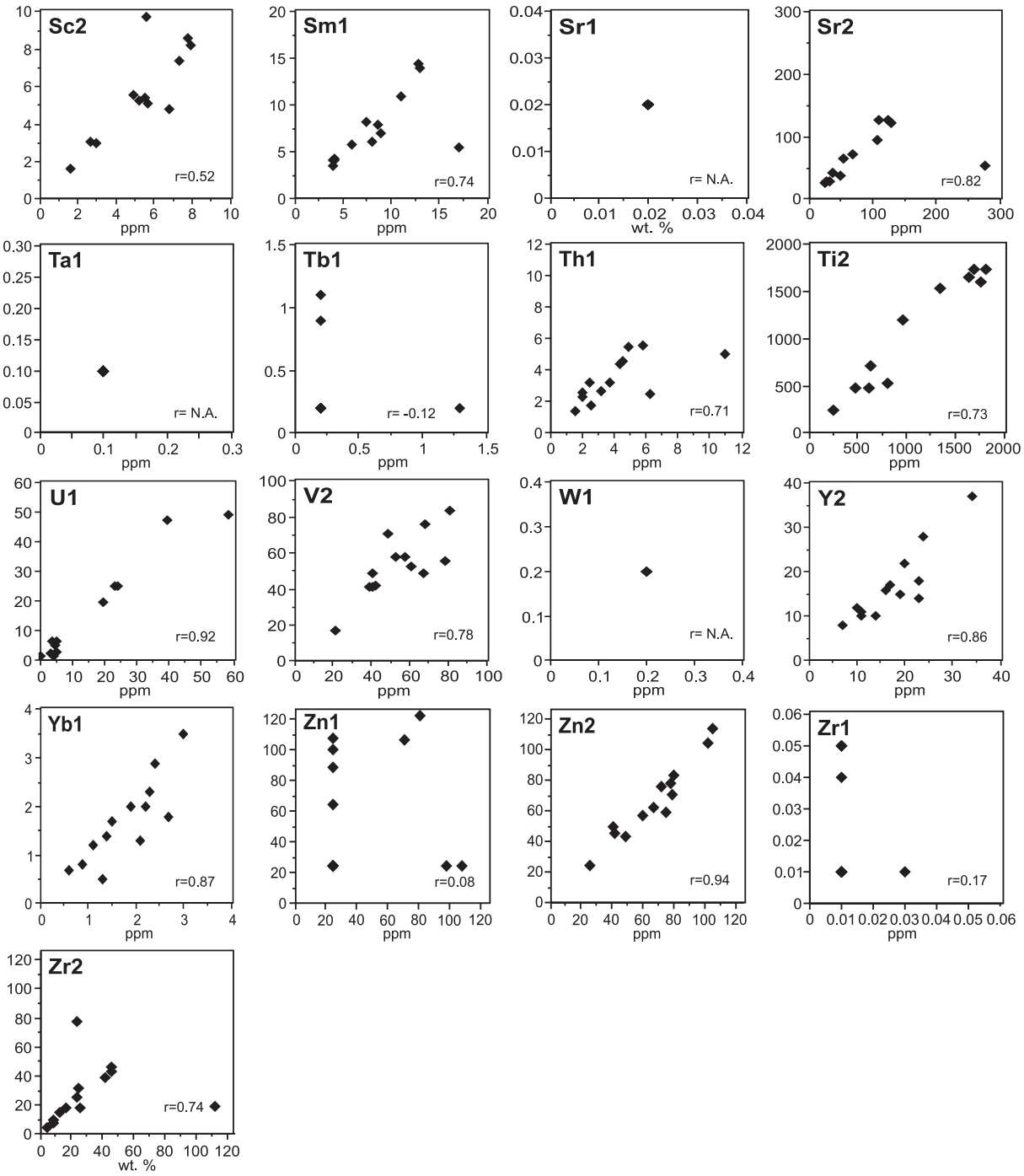


Figure 3c. *Scatter plots of Sc2, Sm1, Sr1, Sr2, Ta1, Tb1, Th1, Ti2, U1, V2, W1, Y2, Yb1, Zn1, Zn2, Zr1 and Zr2 in site duplicates of lake sediment (N=13).*

Histograms

Histograms of As1, Au1, Cu2, Fe2, Mg2, Ni2, Th1, U1, Yb1, Zn2, sample depth and loss-on-ignition in lake sediment are shown in Figure 5. Histograms of the lake water variables – pH, conductivity, Ca, Cu, Fe, Mg, Ni, SO4, Sr and Zn – are shown in Figure 6. These figures may be useful when interpreting distribution maps of these variables.

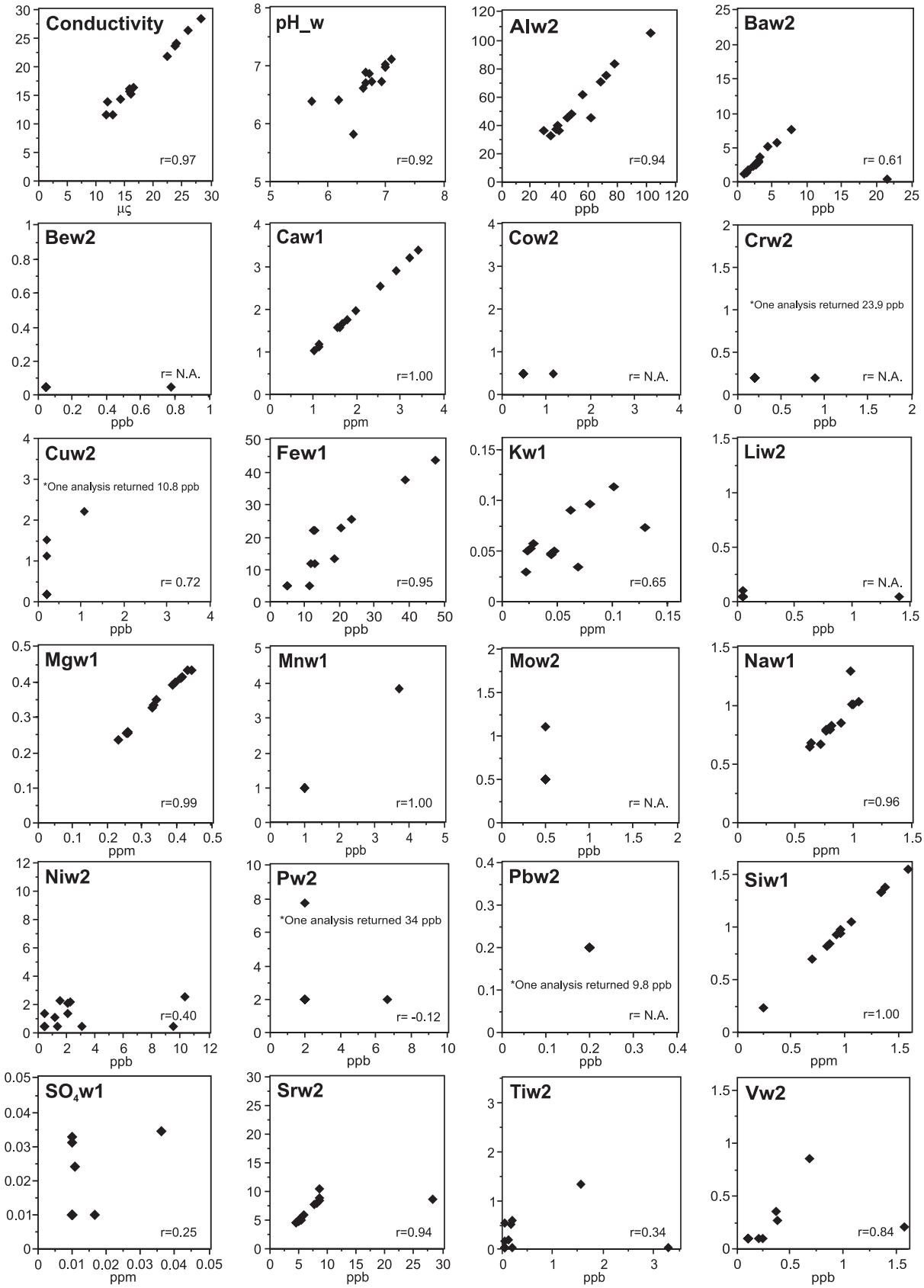


Figure 4a. *Scatter plots of conductivity, pH, A1, Ba, Be, Ca, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Si, SO_4, Sr, Ti and V in site duplicates of lake water (N=13).*

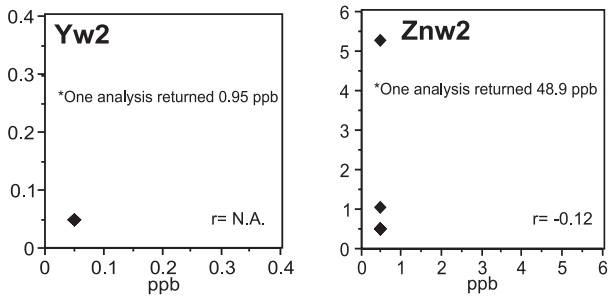


Figure 4b. *Scatter plots of Y and Zn in site duplicates of lake water (N=13).*

Correlation Analysis of Sediment Data

A matrix in which Spearman correlation coefficients of selected elements and variables that may be associated with U, Au or base-metal mineralization are listed against a large selection of variables analyzed in lake sediments is shown in Table 5. As1 correlates significantly with several lithophile and rare-earth elements (REE) but not with Au. Gold does not correlate significantly with any variable. Copper correlates most strongly with Th1, depth, Zn2, several REE and Ni2. Iron (Fe2) correlates most strongly with Mn2, Co2, V2, Zn2, Al2, Nb2, Sc2, Ni2, F9, Be2, Cr1 and Ti2 indicating the presence of Fe hydroxide scavenging. The correlation is sufficiently strong that allowance should be made for it when interpreting the distribution of the ore elements Co2, Zn2 and Ni2. The distribution of Fe in sediment is strongly influenced by Eh conditions in the lake and less by the iron content of the bedrock in the lake's catchment basin. Manganese (Mn2) has a similar correlation pattern to that of Fe2. Nickel (Ni2) correlates strongly with Sc, Co2, Nb2, Zn2, Cr1 and Mg2 but also with Fe2 and Mn2. As well, most of these elements also correlate strongly with Fe2. The correlation of U1 with the other elements is not strongly influenced by Fe and Mn scavenging. It correlates most strongly with Mo2, the REE, and Be2. It has only a moderate correlation with Th1 (0.41).

Correlation Analysis of Water Data

Spearman correlation coefficients were calculated for those analyses for which more than 10 percent of the samples exceeded the detection limit. They are shown in Table 6. Among the base metals, correlations are quite weak with the strongest occurring between Cu and Zn (0.30). Some of the strongest correlations are among pH, conductivity, Ca and Mg, suggesting that these elements may be useful guides to magmatic differentiation of bedrock in the catchment basin. For example, the correlation between Ca and Mg is 0.75. The correlation between conductivity and Ca is extremely strong (0.97).

ELEMENT DISTRIBUTION IN LAKE-SEDIMENT AND WATER

The locations of sample sites, identified with the last 3 digits of a sample's field number, are shown in relation to bedrock geology, drainage features and NTS map areas in Figure 7. The bedrock polygons are from the digital 1:1 000 000 geology map of Labrador (Wardle *et al.*, 1997).

Table 3. Summary statistics for lake-sediment data (N=505)

Element	Median	Mean Arithmetic	Mean Geometric	Standard Deviation Arithmetic	Standard Deviation Logarithmic	Minimum	Maximum
Al2, wt. %	2.96	3.37	2.88	1.81	0.26	0.6	9.28
As1	3.2	4.8	2.0	4.87	0.70	0.2	26.2
As2	<2	1.3	1.1	1.25	0.17	1	12
Au1, ppb	<1	3.4	1.0	11.53	0.52	0.5	175
Ba1	258	271	152	218.95	0.56	25	960
Ba2	180	223	179	149.87	0.29	31	723
Be2	0.5	0.6	0.5	0.41	0.32	0.1	1.9
Br1	25	28	23	14.91	0.27	1.8	85
Ca1, wt %	<2	1.2	0.8	1.31	0.35	0.5	7
Ca2, wt. %	0.98	1.21	1.05	0.71	0.22	0.36	4.84
Cd2	0.4	0.4	0.3	0.23	0.25	0.1	1.6
Ce1	55	66	55	42.25	0.28	2	336
Ce2	56	70	58	45.09	0.28	4	356
Co1	11	15	12	13.42	0.30	1	98
Co2	11	15	11	13.92	0.34	2	104
Cr1	24	27	22	15.03	0.27	5	84
Cr2	21	23	20	12.16	0.22	5	69
Cs1	<1	0.4	0.2	0.60	0.29	0.2	4
Cu2	25	31	25	23.55	0.28	6	173
Dy2	3.2	3.8	3.2	2.35	0.28	0.1	15.3
Eu1	1.2	1.4	1.2	0.83	0.28	0.2	5.4
F9	96	127	98	98	0.32	15	530
Fe1, wt.%	1.89	2.31	1.7	1.81	0.35	0.25	11.6
Fe2, wt.%	1.62	2.13	1.50	1.72	0.39	0.13	9.49
Hf1	1.6	2.3	1.4	2.34	0.43	0.5	14.4
K2, wt. %	0.20	0.35	0.22	0.37	0.40	0.03	1.73
La1	35	44	36	33.13	0.29	4	252
La2	31	39	32	28.41	0.28	4	215
Li2	3.2	4.4	3.3	3.44	0.33	0.5	18.1
LOI, wt.%	34.4	32.3	29.4	11.24	0.22	2.77	64.46
Mg2, wt.%	0.22	0.33	0.25	0.27	0.32	0.05	1.47
Mn2	252	588	261	1649.77	0.49	26	23393
Mo1	11	20.1	5.3	40.31	0.92	0.2	508
Mo2	4	7.0	4.4	12.51	0.38	0.5	165
Na1, wt.%	0.35	0.58	0.40	0.54	0.38	0.06	2.31
Na2, wt.%	0.38	0.62	0.41	0.59	0.40	0.05	2.58
Nb2	2	2.7	2.1	2.12	0.30	1	14
Nd1	32	42	30	32.27	0.42	2	240
Ni2	15	16	14	7.64	0.20	3	63
P2	871	1095	913	675.24	0.27	173	3624
Pb2	6	7	6	4.87	0.28	1	45
Rb1	<10	7	3	15.94	0.42	2	100
Rb2	<5	10	5	12.49	0.48	2	57
Sb1	<0.1	0.1	0.0	0.12	0.44	0.02	0.7
Sc1	5.2	6.1	5.3	3.15	0.23	1.2	18
Sc2	5.0	5.8	5.0	3.17	0.25	0.7	16.7
Se1	<1	0.6	0.5	0.75	0.13	0.5	8

Table 3. Continued

Element	Median	Mean Arithmetic	Mean Geometric	Standard Deviation Arithmetic	Standard Deviation Logarithmic	Minimum	Maximum
Sm1	6.1	7.4	6.1	4.97	0.27	0.6	37
Sr2	73	104	81	81.50	0.30	20	450
Ta1	<0.2	0.2	0.1	0.39	0.26	0.1	2.8
Tb1	<0.5	0.5	0.3	0.61	0.36	0.2	3.9
Th1	2.9	3.4	2.8	2.13	0.32	0.2	15.4
Ti2	991	1571	1117	1642.61	0.35	176	17832
U1	7.5	16.8	4.5	41.82	0.88	0.1	572
V2	53	55	47	29.18	0.25	8	210
W1	<1	0.3	0.2	0.44	0.17	0.2	4
Y2	15	18	15	11.29	0.26	2	73
Yb1	1.6	2.0	1.6	1.30	0.28	0.3	7.4
Zn2	64	66	59	31.96	0.22	13	248
Zr1 wt. %	<0.02	0.02	0.01	0.04	0.32	0.01	0.49
Zr2	23	35	25	32.93	0.36	4	168
Lake area (km^2)	0.07	0.18	0.08	0.34	0.51	0.01	2.75
Lake depth (m)	6	4.1	4.9	5.19	0.41	0.2	23

Table 4. Summary statistics of lake-water data (N=258); data in ppb unless otherwise incidated

Element	Detection Limit	Percentage of samples <D.L.	Median	Mean Arithmetic	Mean Geometric	Standard Deviation Arithmetic	Standard Deviation Logarithmic	Minimum	Maximum
Al	N.A.*	0	51	55	48	28.1	0.26	1	194
As	2	100	<2	<2	<2	0	0	1	1
Ba	N.A.	0	3	4.8	3	6.88	0.39	1	60
Be	0.2	99	<0.2	<0.2	<0.2	0.01	0.02	0.1	0.8
Ca, ppm	N.A.	0	1.88	2.45	2.04	1.8	0.25	0.44	14.04
Co	1	100	<1	<1	<1	0	0	0.5	0.5
Cr	0.5	95	<0.5	<0.5	<0.5	0.12	0.11	0.2	1.6
Cu	0.5	76	<0.5	0.7	<0.5	1.17	0.44	0.2	8
Fe	10	30	14	19	14	18	0.35	5	158
K, ppm	N.A.	0	0.05	0.06	0.05	0.05	0.35	0.01	0.39
Li	0.2	91	<0.2	<0.2	<0.2	0.04	0.1	0.1	0.4
Mg, ppm	N.A.	0	0.34	0.4	0.36	0.23	0.2	0.12	1.64
Mn	2	56	<2	1.2	1.1	0.65	0.13	1	7
Mo	1.0	96	<1.0	<1.0	<1.0	0.15	0.07	0.5	1.9
Na, ppm	N.A.	0	0.81	0.85	0.83	0.21	0.1	0.5	1.77
Ni	1.0	52	<1.0	1.4	1	1.28	0.33	0.5	9.5
P	5	80	<5	<5	<5	2.9	0.24	2	23
Pb	1.0	98	<1.0	<1.0	<1.0	0.55	0.15	0.2	7.3
Si, ppm	N.A.	0	1.12	1.17	1.01	0.57	0.25	0.13	3.44
SO_4, ppm	0.02	70	<0.02	0.02	<0.02	0.01	0.25	0.01	0.15
Sr	N.A.	0	6.4	7.5	6.8	3.87	0.19	2.3	29.3
Ti	0.2	44	0.2	0.3	<0.2	0.33	0.32	0.1	3.1
V	0.2	65	<0.2	0.2	<0.2	0.23	0.3	0.1	2.1
Y	0.1	99	<0.1	<0.1	<0.1	0	0.02	0.05	0.12
Zn	1.0	87	<1.0	0.8	<1.0	1.05	0.23	0.5	9
Conductivity, µS	N.A.	0	16.36	20.2	18.2	10.55	0.18	7.3	85.9
pH	N.A.	0	6.75	6.7	N.A.	0.37	N.A.	4.45	7.72

* N.A. not applicable; ** pH is defined as a logarithmic value

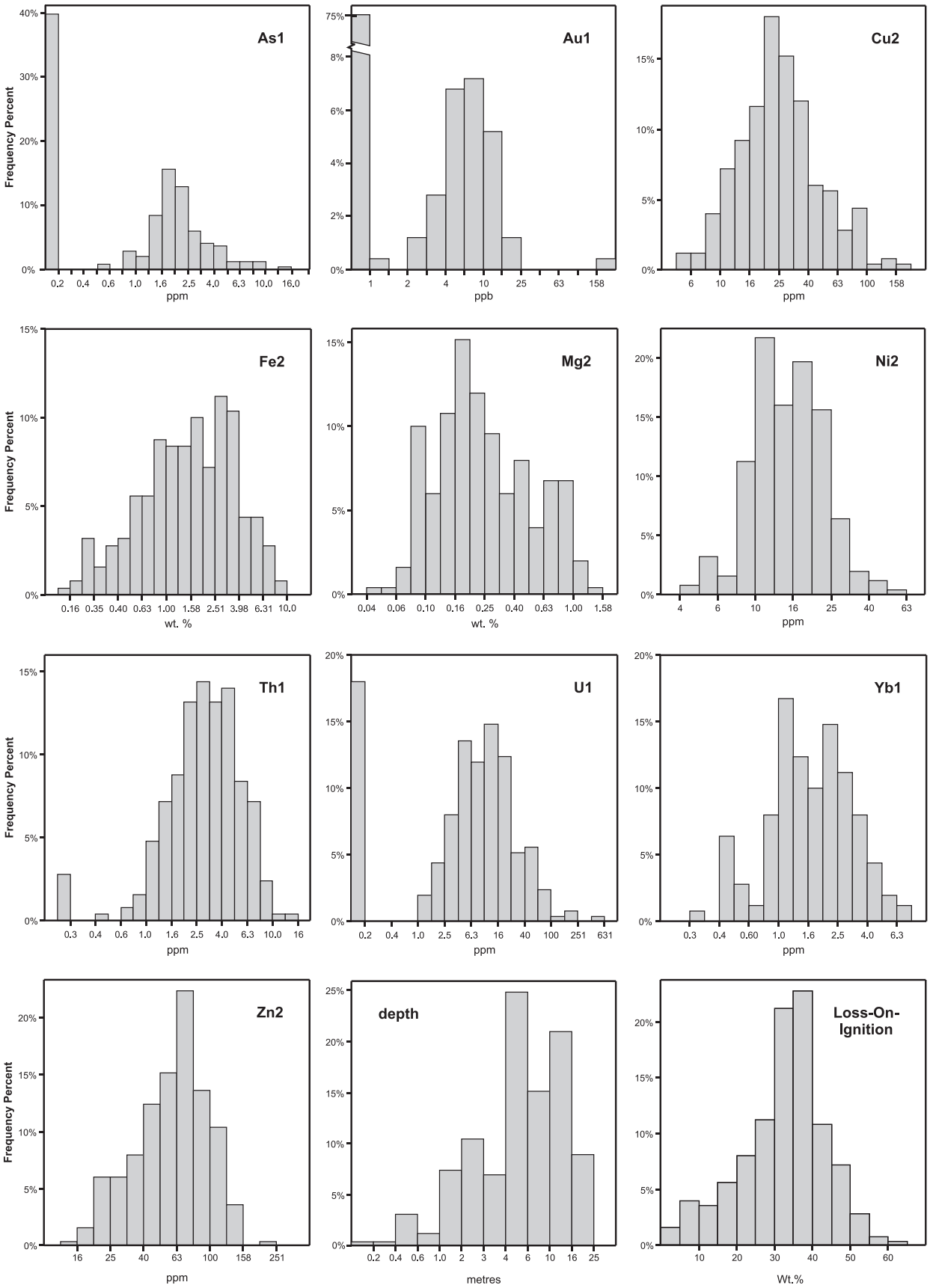


Figure 5. *Histograms of As1, Au1, Cu2, Fe2, Mg2, Ni2, Th1, U1 Yb1, Zn2, depth and LOI in lake sediment.*

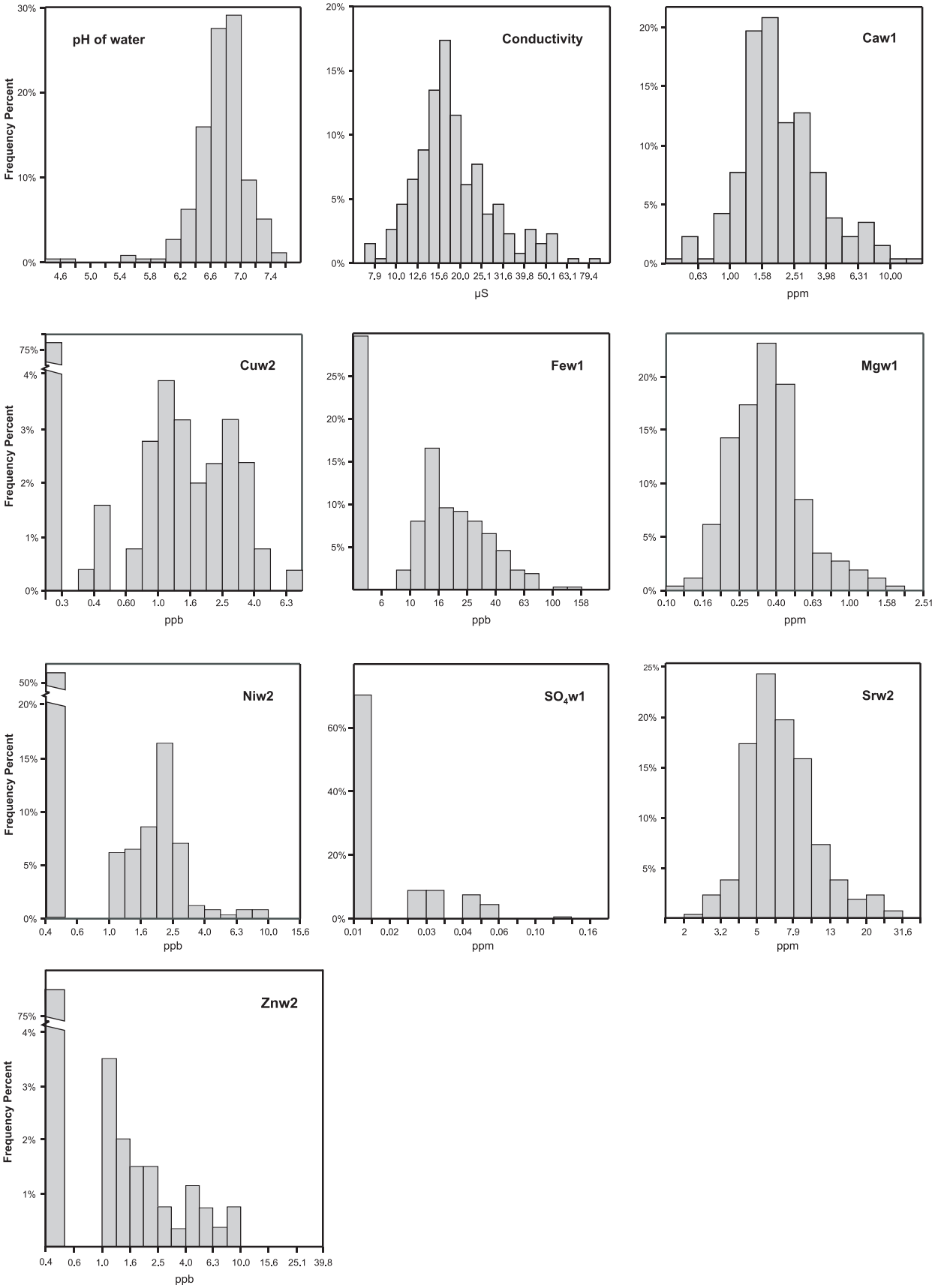


Figure 6. *Histograms of ph, conductivity, Ca, Cu, Fe, Mg, Ni, SO_4, Sr and Zn in lake water.*

Table 5. Spearman correlation coefficients (r) for selected elements and variables in lake sediment (N=250)

	As1	Au1	Cd2	Co2	Cr1	Cu2	Fe1	La1	Mg2	Mn2	Mo2	Ni2	U1	Zn2
Ag6	0.25	-0.03	0.29	0.26	0.13	0.32	0.27	0.21	0.1	0.35	0.23	0.21	0.10	0.30
Al2	0.00	0.00	0.06	0.75	0.70	0.37	0.76	0.13	0.88	0.80	-0.07	0.74	0.00	0.67
As1	**1.00**	0.08	0.31	0.08	0.23	0.18	0.19	0.33	0.03	0.15	0.12	0.24	0.22	0.24
Au1	0.10	**1.00**	0.10	-0.10	0.00	0.00	-0.02	0.08	-0.01	-0.02	0.06	0.02	0.06	0.07
Ba2	0.25	0.06	0.16	0.54	0.71	0.28	0.58	0.35	0.79	0.67	0.05	0.63	0.20	0.57
Be2	0.32	0.08	0.44	0.53	0.65	0.41	0.63	0.63	0.55	0.67	0.30	0.62	0.43	0.71
Br1	0.22	0.00	0.57	0.10	-0.10	0.30	0.21	0.25	-0.3	0.16	0.36	-0.04	0.25	0.26
Ca2	-0.08	0.00	-0.06	0.60	0.65	0.33	0.52	0.07	0.88	0.58	-0.08	0.61	0.00	0.49
Cd2	0.31	0.08	**1.00**	0.29	0.18	0.54	0.33	0.55	0.00	0.37	0.49	0.25	0.47	0.62
Ce1	0.37	0.06	0.58	0.36	0.39	0.51	0.45	0.89	0.14	0.41	0.56	0.45	0.51	0.60
Ce2	0.34	0.07	0.58	0.40	0.42	0.53	0.47	0.90	0.20	0.45	0.53	0.48	0.50	0.62
Co2	0.08	-0.08	0.29	**1.00**	0.58	0.41	0.88	0.21	0.64	0.88	0.17	0.71	0.00	0.77
Cr1	0.23	-0.01	0.18	0.58	**1.00**	0.42	0.62	0.32	0.74	0.64	0.14	0.68	0.23	0.59
Cs1	0.07	0.04	-0.02	0.07	0.12	0.08	0.09	0.02	0.16	0.12	-0.05	0.12	0.04	0.10
Cu2	0.18	0.03	0.54	0.41	0.42	**1.00**	0.41	0.53	0.25	0.43	0.28	0.52	0.23	0.56
Dy2	0.41	0.13	0.57	0.35	0.41	0.54	0.42	0.83	0.23	0.42	0.36	0.46	0.43	0.60
F9	0.27	-0.00	0.23	0.57	0.60	0.26	0.65	0.42	0.65	0.64	0.20	0.60	0.23	0.64
Fe1	0.19	-0.02	0.33	0.88	0.62	0.41	**1.00**	0.27	0.59	0.92	0.24	0.68	0.07	0.80
Fe2	0.12	-0.03	0.31	0.89	0.62	0.42	0.99	0.24	0.62	0.92	0.22	0.69	0.05	0.79
Hf1	0.18	-0.01	-0.03	0.47	0.7	0.15	0.48	0.19	0.82	0.55	-0.08	0.57	0.12	0.46
K2	0.13	0.02	-0.01	0.54	0.76	0.22	0.54	0.19	0.94	0.64	-0.09	0.64	0.07	0.51
La1	0.33	0.08	0.55	0.21	0.32	0.53	0.27	**1.00**	0.10	0.25	0.56	0.30	0.55	0.46
Mg2	0.03	-0.01	-0.07	0.64	0.74	0.25	0.59	0.06	**1.00**	0.67	-0.18	0.68	-0.09	0.52
Mn2	0.15	-0.02	0.37	0.88	0.64	0.43	0.92	0.25	0.67	**1.00**	0.17	0.68	0.07	0.81
Mo2	0.12	0.06	0.49	0.17	0.14	0.28	0.24	0.56	-0.18	0.17	**1.00**	0.06	0.62	0.35
Na2	0.02	-0.00	-0.11	0.56	0.72	0.17	0.53	0.06	0.97	0.62	-0.18	0.62	-0.06	0.46
Nb2	0.16	0.01	0.14	0.68	0.76	0.33	0.75	0.31	0.80	0.78	0.09	0.69	0.16	0.68
Nd1	0.24	0.07	0.49	0.16	0.22	0.42	0.22	0.90	0.00	0.20	0.54	0.23	0.51	0.39
Ni2	0.24	0.02	0.25	0.71	0.68	0.52	0.68	0.30	0.68	0.68	0.10	**1.00**	0.04	0.69
P2	0.19	0.01	0.54	0.61	0.42	0.59	0.71	0.30	0.32	0.72	0.27	0.48	0.15	0.67
Pb2	0.22	0.02	0.40	0.44	0.57	0.36	0.53	0.42	0.44	0.56	0.26	0.48	0.35	0.60
Rb2	0.16	0.02	0.00	0.54	0.74	0.24	0.54	0.22	0.85	0.61	-0.07	0.66	0.13	0.51
Sb1	0.25	0.14	0.22	0.16	0.26	0.24	0.17	0.23	0.21	0.19	0.10	0.24	0.20	0.28
Sc2	0.17	0.04	0.18	0.71	0.73	0.49	0.71	0.33	0.83	0.76	-0.03	0.73	0.04	0.70
Se1	-0.02	-0.06	-0.05	-0.03	-0.12	-0.00	-0.05	0.00	-0.07	-0.05	-0.01	-0.13	-0.10	-0.10
Sm1	0.42	0.11	0.58	0.26	0.37	0.54	0.33	0.96	0.12	0.32	0.49	0.36	0.51	0.52
Sr2	-0.06	-0.03	-0.13	0.59	0.68	0.22	0.53	0.00	0.96	0.61	-0.17	0.62	-0.10	0.47
Th1	0.36	0.04	0.40	0.38	0.60	0.58	0.43	0.82	0.42	0.44	0.34	0.57	0.41	0.57
Ti2	0.10	0.01	-0.01	0.60	0.77	0.23	0.60	0.16	0.95	0.69	-0.08	0.66	0.04	0.55
U1	0.22	0.06	0.47	0.00	0.23	0.23	0.07	0.55	-0.09	0.07	0.62	0.04	**1.00**	0.24
V2	0.11	-0.01	0.25	0.76	0.71	0.42	0.83	0.21	0.67	0.81	0.15	0.63	0.07	0.71
Y2	0.39	0.14	0.55	0.39	0.45	0.54	0.47	0.82	0.28	0.47	0.37	0.48	0.44	0.63
Yb1	0.45	0.10	0.49	0.45	0.49	0.51	0.53	0.71	0.37	0.54	0.24	0.54	0.33	0.65
Zn2	0.24	0.07	0.62	0.77	0.59	0.56	0.80	0.46	0.52	0.81	0.35	0.69	0.24	**1.00**
Zr2	0.21	0.04	0.08	0.56	0.77	0.26	0.57	0.26	0.90	0.67	-0.05	0.65	0.15	0.56
depth_m	0.07	-0.04	0.34	0.47	0.26	0.56	0.51	0.14	0.21	0.49	0.14	0.38	-0.03	0.44

Coefficients r>|0.12| is significant at the 0.05 confidence level
Coefficients r>|0.16| is significant at the 0.01 confidence level

Table 6. Spearman correlation coefficients (r) for selected elements and variables in lake water (N=258)

	pH	Conductivity	Alw2	Baw2	Caw1	Cuw2	Few1	Kw1	Mgw1	Naw1	Niw2	Pw2	Siw1	SO4W1	Srw2	Tiw2	Vw2	Znw2
pH	**1.00**	0.84	-0.27	0.38	0.86	0.00	-0.21	0.48	0.75	0.45	0.17	-0.10	0.61	0.22	0.77	0.11	0.27	0.10
Conductivity	0.84	**1.00**	-0.10	0.47	0.97	0.00	-0.10	0.53	0.81	0.66	0.19	0.00	0.59	0.21	0.88	0.15	0.34	0.10
Alw2	-0.27	-0.10	**1.00**	0.00	-0.11	0.00	0.30	-0.10	-0.12	0.15	0.11	0.05	-0.11	-0.10	0.00	0.38	0.10	0.10
Baw2	0.38	0.47	0.00	**1.00**	0.50	0.00	0.07	0.30	0.42	0.17	-0.10	0.18	0.14	-0.11	0.46	0.16	0.12	0.00
Caw1	0.86	0.97	-0.11	0.50	**1.00**	0.00	-0.10	0.48	0.75	0.59	0.22	0.00	0.54	0.22	0.84	0.16	0.30	0.10
Cuw2	0.00	0.01	0.04	0.08	0.00	**1.00**	0.08	0.17	0.04	0.20	0.07	0.06	0.04	-0.27	0.10	0.01	0.26	0.28
Few1	-0.21	-0.05	0.30	0.07	-0.10	0.10	**1.00**	0.00	0.07	0.17	-0.10	0.20	-0.16	-0.10	0.00	0.41	0.15	0.00
Kw1	0.48	0.53	-0.10	0.30	0.48	0.17	0.00	**1.00**	0.59	0.54	0.03	-0.10	0.44	-0.03	0.55	0.04	0.33	0.10
Mgw1	0.75	0.81	-0.12	0.42	0.75	0.00	0.07	0.59	**1.00**	0.62	0.09	0.07	0.65	0.12	0.80	0.20	0.37	0.10
Naw1	0.45	0.66	0.15	0.17	0.59	0.20	0.17	0.54	0.62	**1.00**	0.27	0.12	0.55	0.12	0.70	0.13	0.33	0.16
Niw2	0.17	0.19	0.11	-0.10	0.22	0.10	-0.10	0.03	0.09	0.28	**1.00**	0.00	0.12	0.13	0.21	0.02	0.15	0.21
Pw2	0.00	-0.02	0.05	0.18	0.00	0.10	0.20	-0.10	0.07	0.13	0.00	**1.00**	-0.10	-0.17	0.00	0.07	0.00	0.16
Siw1	0.61	0.59	-0.11	0.14	0.54	0.00	-0.16	0.44	0.65	0.55	0.12	-0.10	**1.00**	0.11	0.68	0.12	0.16	0.11
SO4w1	0.22	0.21	-0.10	-0.11	0.22	-0.30	-0.10	0.00	0.12	0.12	0.13	-0.17	0.11	**1.00**	0.16	0.02	0.09	-0.10
Srw2	0.77	0.88	-0.10	0.46	0.84	0.10	0.00	0.55	0.80	0.70	0.21	0.03	0.68	0.16	**1.00**	0.19	0.40	0.10
Tiw2	0.11	0.15	0.38	0.16	0.16	0.00	0.41	0.04	0.20	0.13	0.02	0.07	0.12	0.02	0.19	**1.00**	0.18	0.12
Vw2	0.27	0.34	0.10	0.12	0.30	0.26	0.15	0.33	0.37	0.33	0.15	0.00	0.16	0.09	0.40	0.18	**1.00**	0.19
Znw2	0.10	0.08	0.08	0.03	0.08	0.28	0.04	0.08	0.08	0.16	0.21	0.16	0.11	-0.10	0.10	0.12	0.19	**1.00**

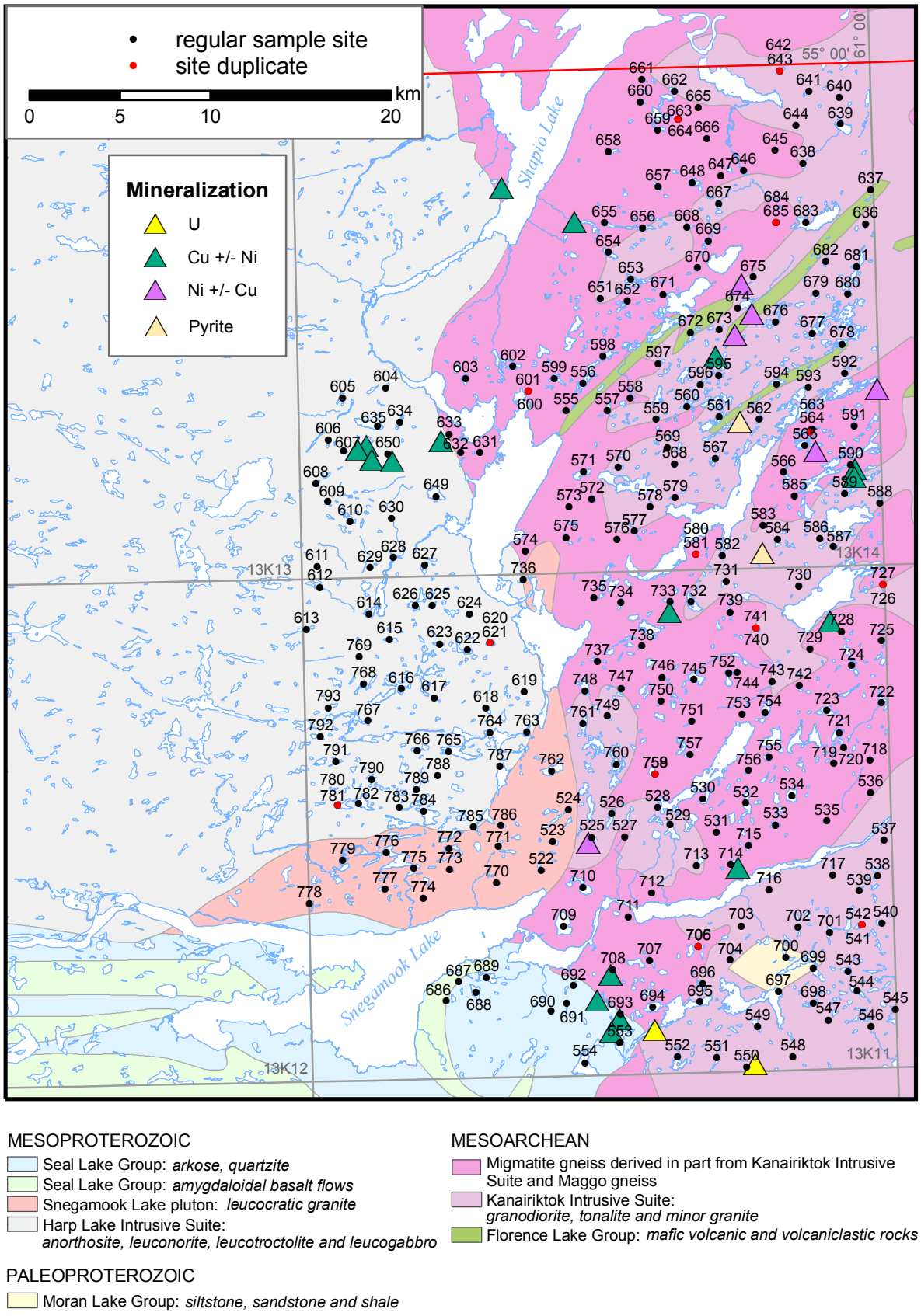


Figure 7. *Sample sites in relation to lakes and bedrock geology.*

Sediment Data

Symbol plots of the distribution of Au1, the possible gold pathfinder element As1 and the base metals Cu2, Ni2, and Zn2 are shown in Figures 8 to 12. Plots of U1 and the U/Th ratio are shown in Figures 13 and 14. Plots of elements that may reflect oxidation conditions in the sediment (Fe) or bedrock composition in the catchment basin (Cr, La and Mg) are shown in Figures 15 to 18.

Data were classified using natural breaks (Jenk's Optimization) to depict naturally occurring divisions in the data in the hope of reflecting geochemical or mineralogical processes. The highest interval for U1 was manually expanded on the basis of the U1 histogram pattern to include more than the single sample that the Jenk's procedure produced. For discussion purposes the term "high value" will refer to the highest interval on the associated dot plot map shown by red dots and the term "elevated value" will refer to the second highest interval shown by orange dots.

The distribution of gold (Au1) is strongly skewed by one very high value of 175 ppb with all other samples being less than 17 ppb (Figure 8). One should interpret this result very cautiously. The high-value sample was from an extremely shallow lake with a sample depth of only 0.2 m and its composition was classified in the field as being "coarse clastic" rather than the more common organic-rich material. This observation is reinforced by the sample's very low LOI of only 3.5% compared to a median value of 34.4%. The next highest interval is 12.4 to17 ppb Au1. The distribution of these samples is quite scattered with no pronounced clustering or bedrock association. That said, two samples with elevated values of Au1 do occur within 6 km of the 175 ppb sample.

The distribution of arsenic (As1) is shown in Figure 9. Arsenic values increase from north to south with most or all of the highest three interval samples occurring in the southern half of the survey area.

The distribution of copper (Cu2) is shown in Figure 10. The highest value, 371 ppm, is from a pond about 300 m north of the Snegamook Lake #3 Cu indication. Two other samples having Cu values greater than 89 ppm are found nearby. Seven other samples having Cu values greater than 89 ppm are found in both the migmatite gneiss and the KIS. One of these is from a pond about 600 m from known Cu mineralization.

Nickel (Ni2) expression in these lake sediments is relatively low with the highest value being 63 ppm (Figure 11). This sample is from a pond in NTS map area 13K/11 underlain by rocks of the KIS and is also located less than 2 km from another sample with 34 ppm Ni2. A cluster of 3 high-value samples is found in the southeast corner of NTS map area 13K/11 and is part of a larger group of samples with elevated Ni2 values. One of the three samples is from a lake underlain by the KIS and the other two are from ponds that overlie both rocks of the KIS and Moran Lake Group sedimentary rocks. Elsewhere, three samples with elevated Ni2 values (27 to 37 ppm) are from sites very close to known Ni or Cu–Ni occurrences.

The distribution of zinc (Zn2) is shown in Figure 12. The three samples with the highest values are located in the southeast quadrant of NTS map area 13K/11. One of these is coincident with

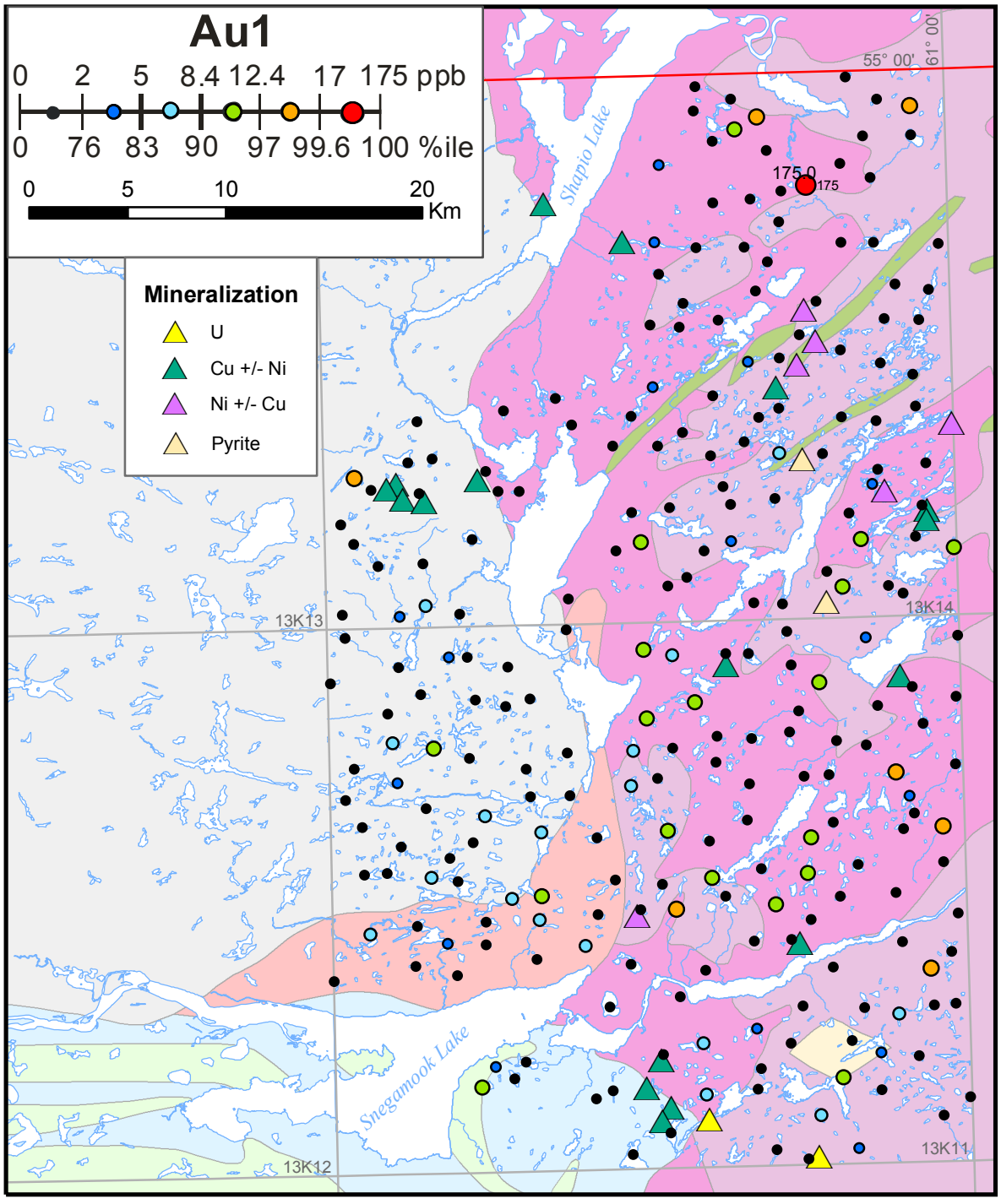


Figure 8. *Gold (Au1) in lake sediment.*

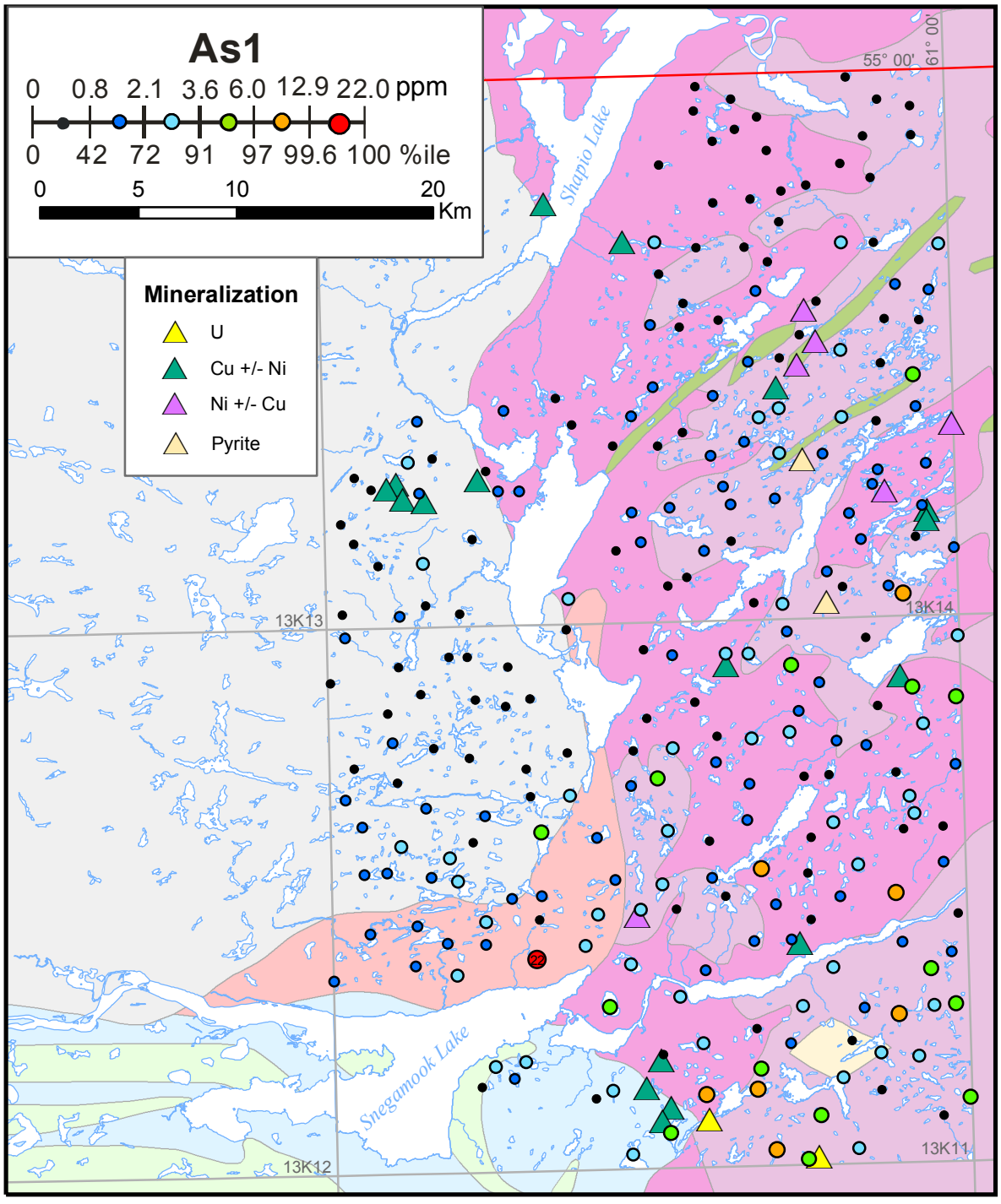


Figure 9. *Arsenic (As1) in lake sediment.*

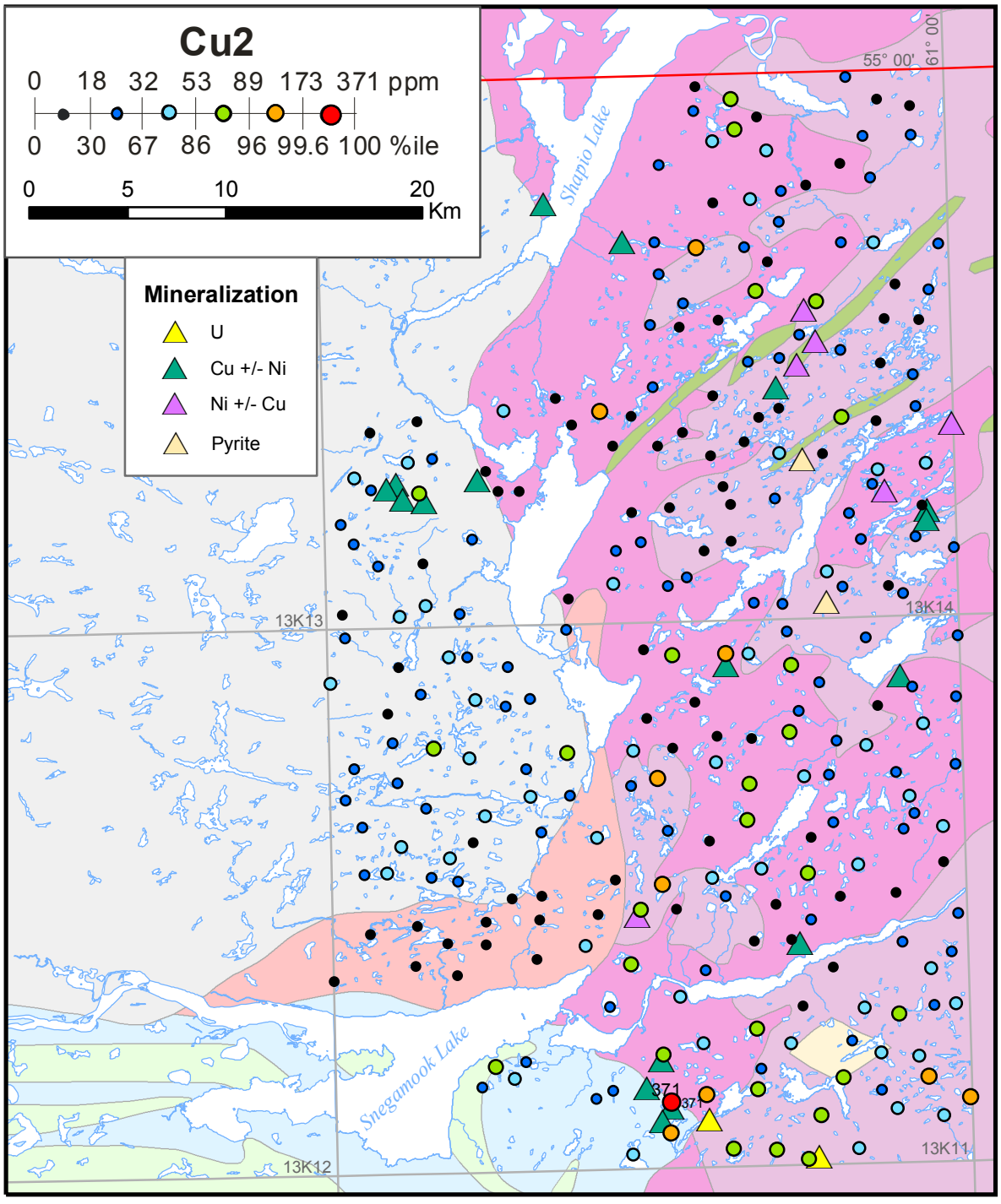


Figure 10. *Copper (Cu2) in lake sediment.*

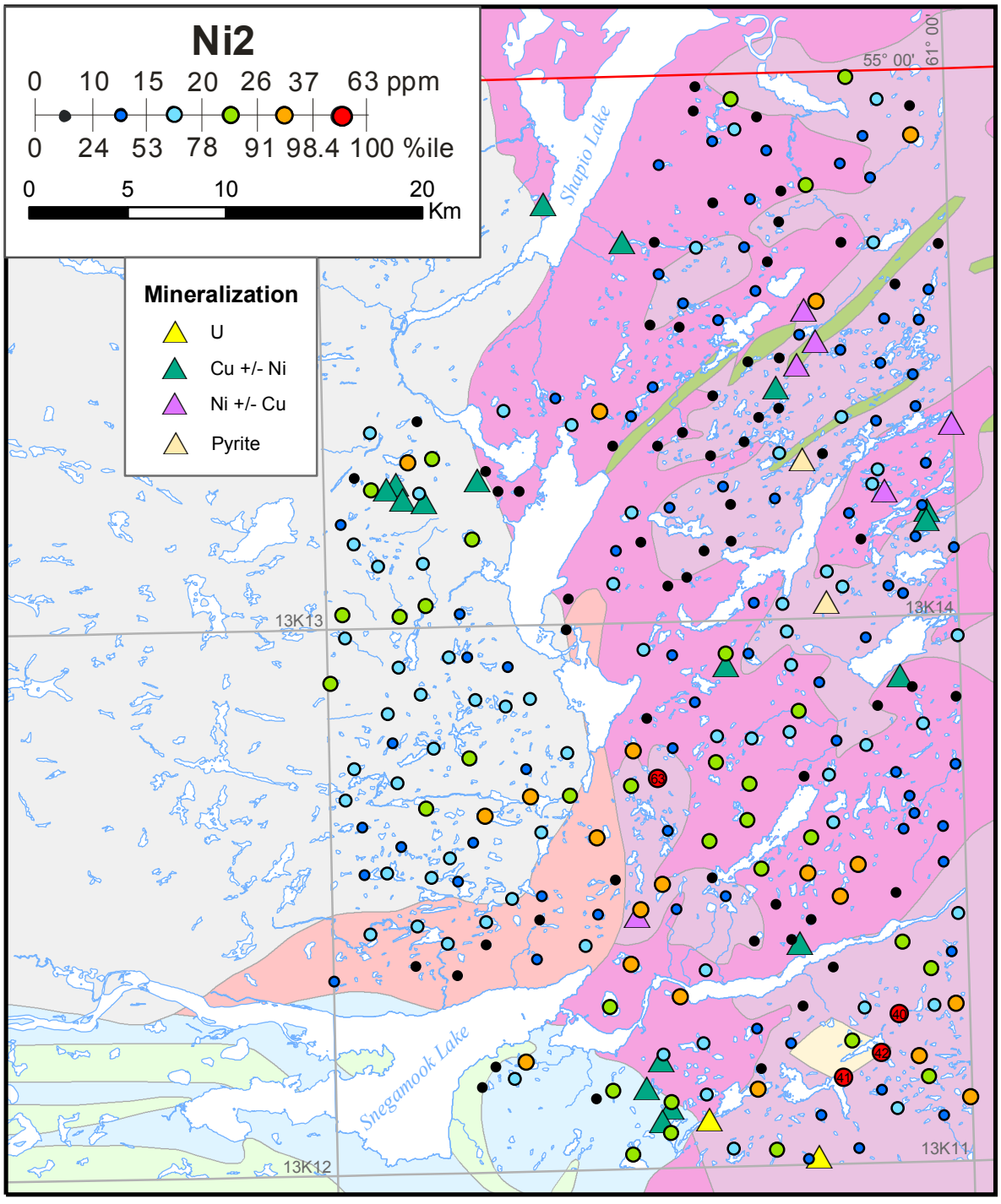


Figure 11. *Nickel (Ni2) in lake sediment.*

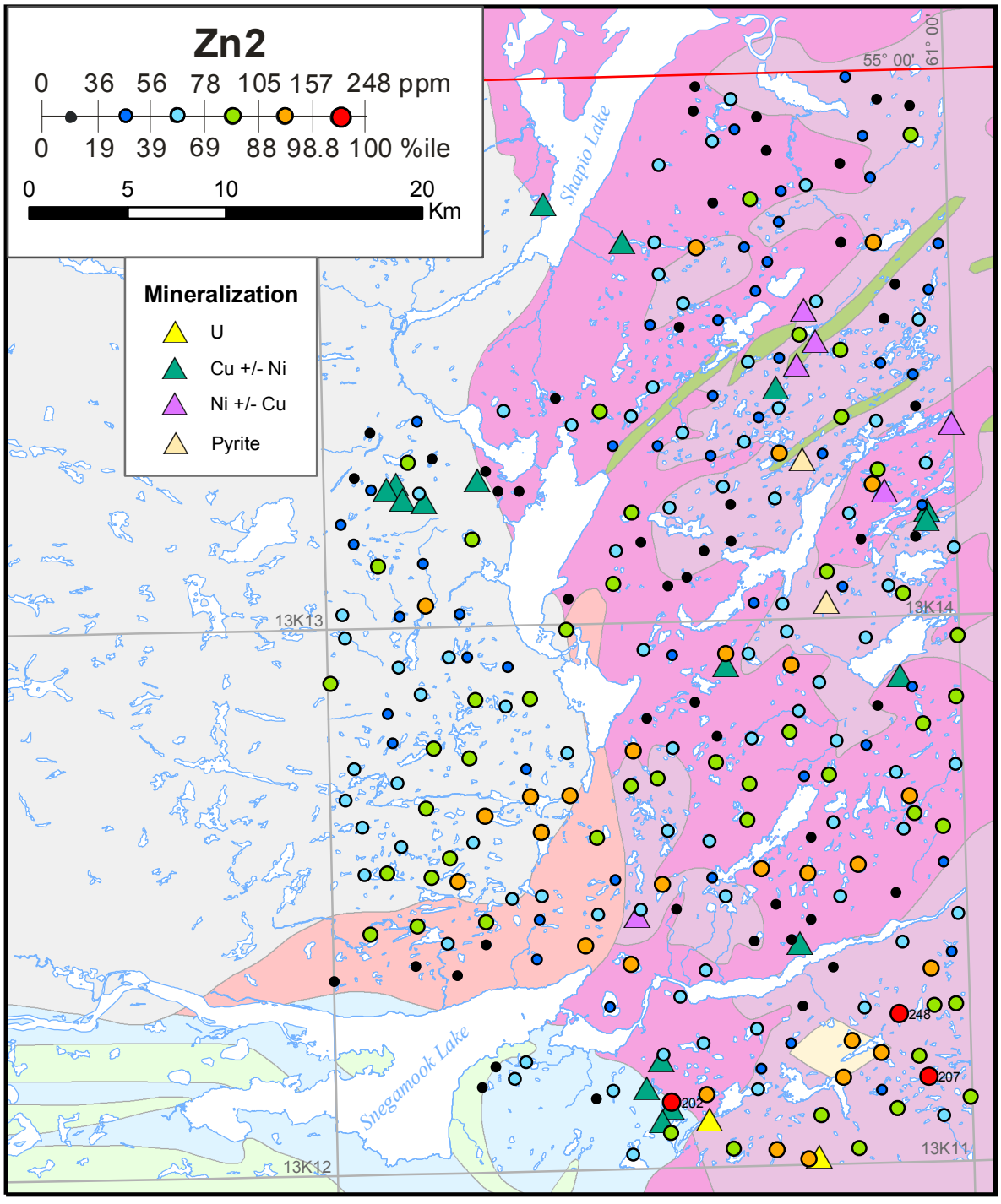


Figure 12. *Zinc (Zn2) in lake sediment.*

the highest Cu value and is adjacent to a known Cu occurrence. The other two samples are from sites underlain by rocks of the KIS. Several samples with elevated Zn2 values are found in this area as well. Another cluster of 5 samples with elevated Zn is found near the southeast margin of the Harp Lake Intrusive Suite in anorthositic rocks. Several other isolated samples having elevated values are also present, some adjacent to known Cu and/or Ni mineralization.

The distribution of uranium shows a strong association with rock type differing from the elements discussed previously (Figure 13). Eight of the ten samples with the highest U1 values are from lakes overlying the KIS. The other two are from areas mapped as migmatite gneiss and the granitic border phase of the Harp Lake Intrusive Suite. The MODS lists only two uranium occurrences in these two map areas. One of these (National Mineral Inventory Number 3195) is clearly reflected in the 165 ppm sample from the extreme southern limit of the survey. The site is located downstream and about 600 m west of the occurrence that has been delineated by drilling to measure at least 50 by 250 m and is open along strike and at depth. The highest U sample, 572 ppm, is located in NTS map area 13K/14 at a considerable distance from any known U mineralization as is another sample, also with 165 ppm U.

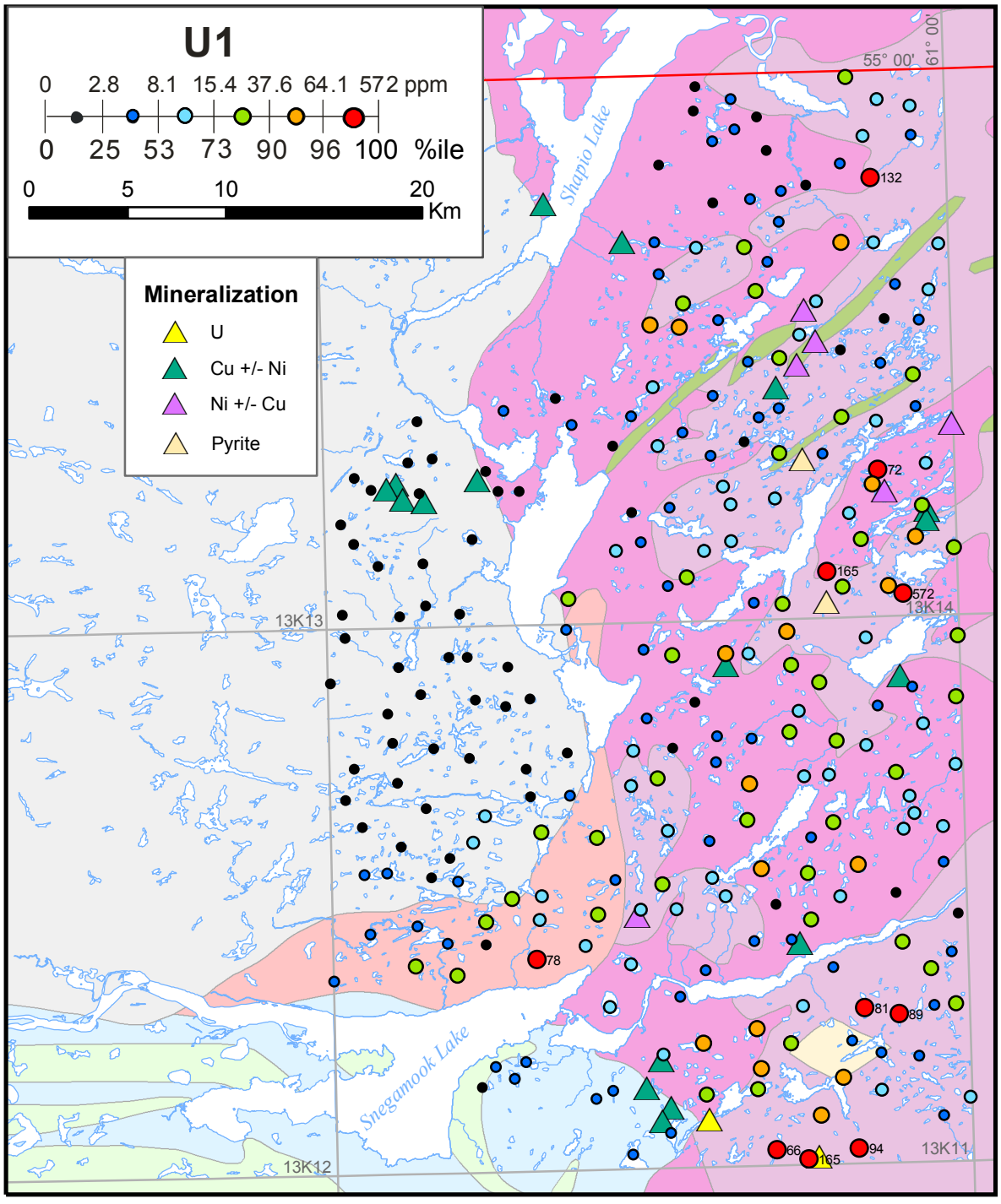
The U/Th ratio is plotted in Figure 14. This ratio may be useful to highlight samples that have relatively low absolute U contents but are of interest when interpreted in light of similarly low absolute Th contents. The highest U/Th ratio samples are all from areas underlain by rocks of the KIS, generally very close to the contact with the Archean gneiss. Three of the samples in the highest interval are also coincident with sites that are in the highest U interval including the southernmost site, which reflects nearby U mineralization. The remaining three samples should be interpreted with caution but could be reflecting mineralization, which, for a variety of reasons, has produced a weakened uranium signal in lake sediment.

The distribution of iron in lake sediment might be regarded as a proxy for oxidizing conditions in the water column and the lake bottom. Unusually high Fe likely indicates conditions that encourage precipitation of iron (hydr)oxides; these oxides often act as “sinks” for some metals, particularly Co and Zn. High sediment values of metals that show a strong correlation with Fe should be interpreted in light of the Fe content of the sediment (Table 5). The distribution of Fe2 is shown in Figure 15.

The distribution of chromium (Cr1) in lake sediment is shown in Figure 16. There is no apparent spatial association with rock type or sulphide mineralization.

The distribution of lanthanum (La2) shows moderate spatial clustering (Figure 17). The Snegamook pluton, the southern KIS and portions of the migmatite gneiss show elevated values in comparison to the Harp Lake Intrusive Suite, the Seal Lake Group and portions of the KIS, particularly in the area near the Florence Lake Group volcanics and volcaniclastics.

The distribution of magnesium (Mg2) shows a good association with rock type (Figure 18). The sediments collected over the mafic Harp Lake Intrusive Suite have the highest overall Mg2 content whereas samples collected over the granitic KIS have lower contents. Sediments collected over the migmatite gneiss, with its mixture of rock types, have a range of Mg2 contents.



MESOPROTEROZOIC
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- Seal Lake Group: *amygdaloidal basalt flows*
- Snegamook Lake pluton: *leucocratic granite*
- Harp Lake Intrusive Suite: *anorthosite, leuconorite, leucotroctolite and leucogabbro*

PALEOPROTEROZOIC
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MESOARCHEAN
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- Kanairiktok Intrusive Suite: *granodiorite, tonalite and minor granite*
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Figure 13. *Uranium (U1) in lake sediment.*

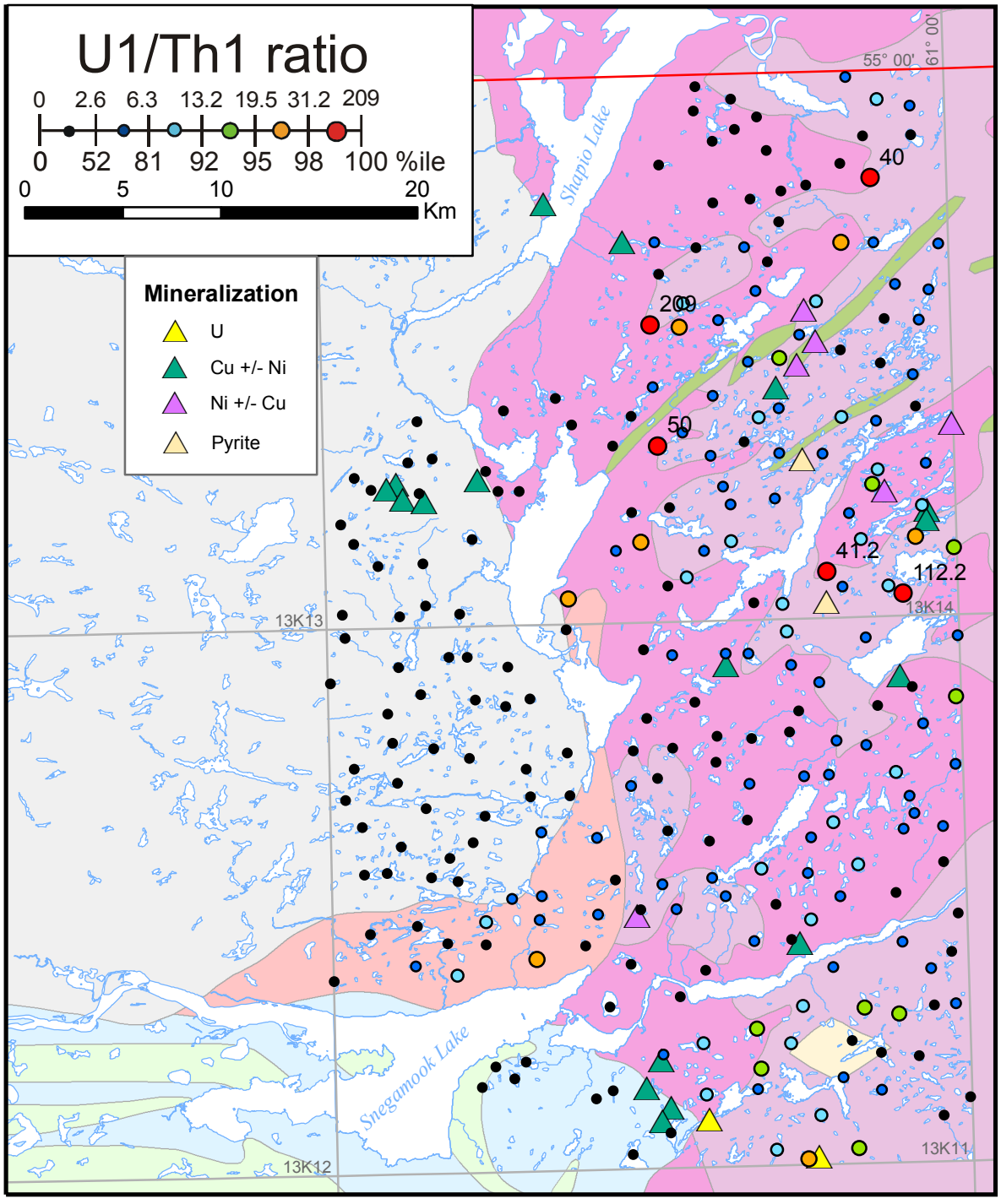


Figure 14. *Uranium/thorium ratio (U1/Th1) in lake sediment.*

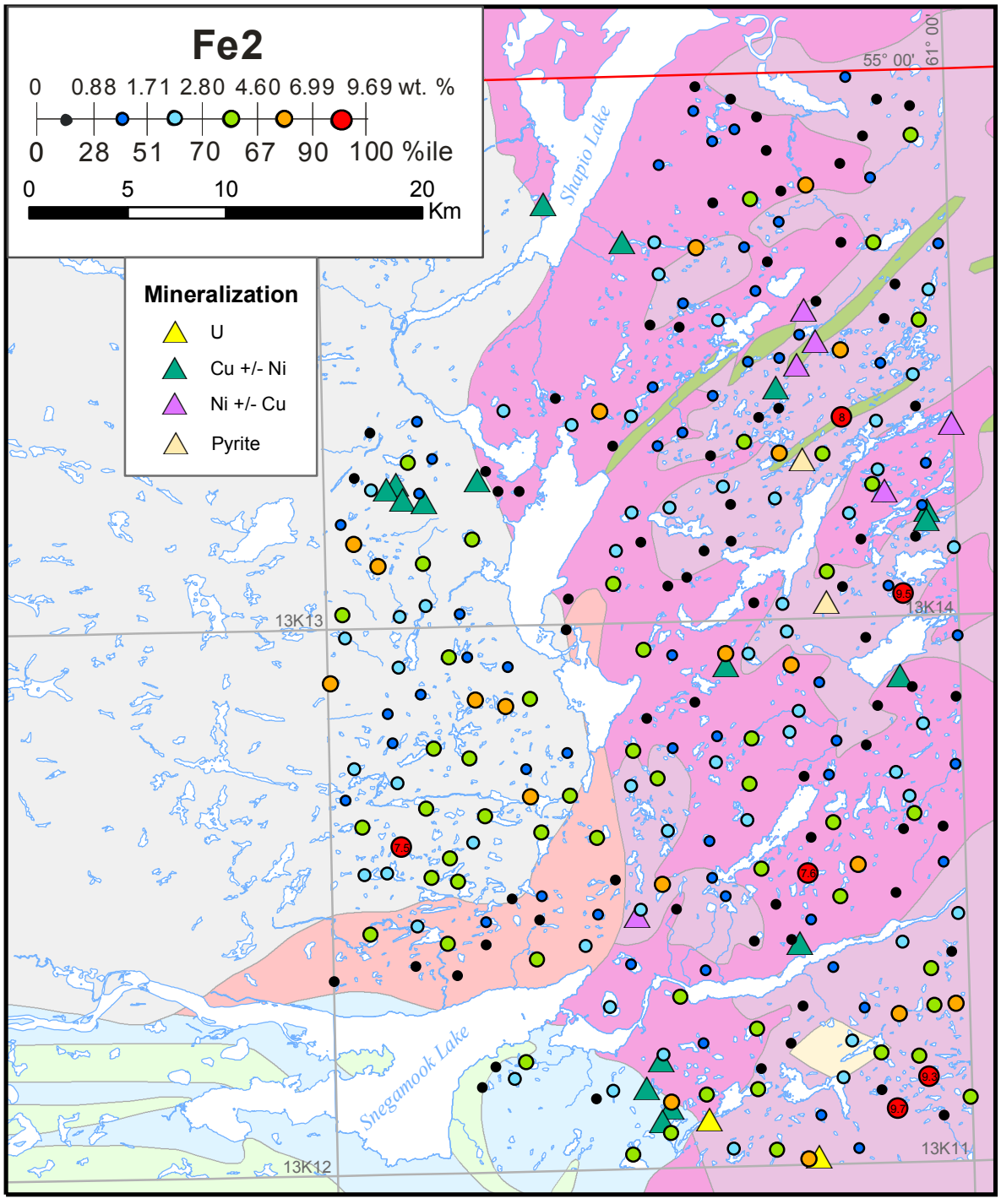


Figure 15. *Iron (Fe2) in lake sediment.*

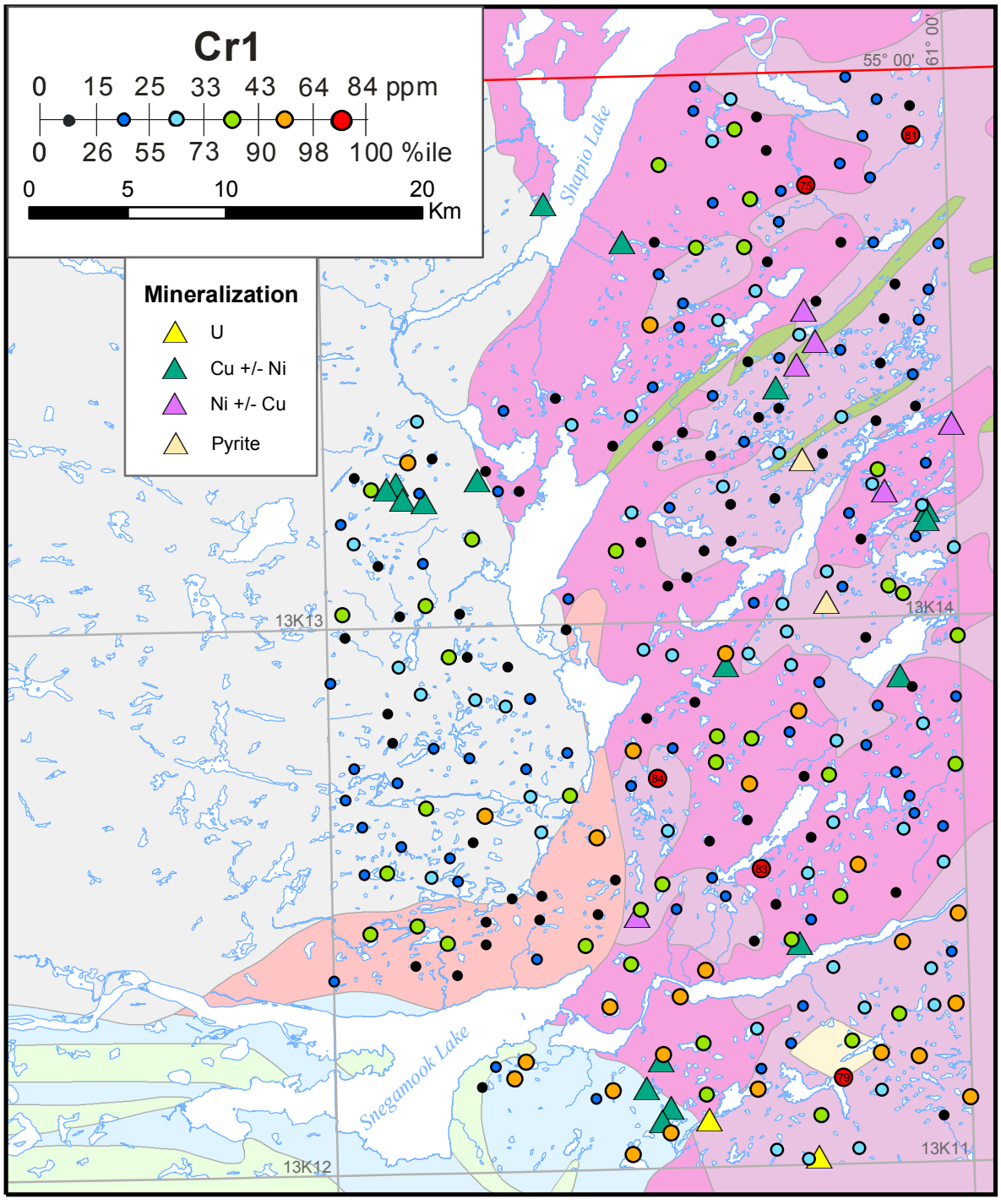


Figure 16. *Chromium (Cr1) in lake sediment.*

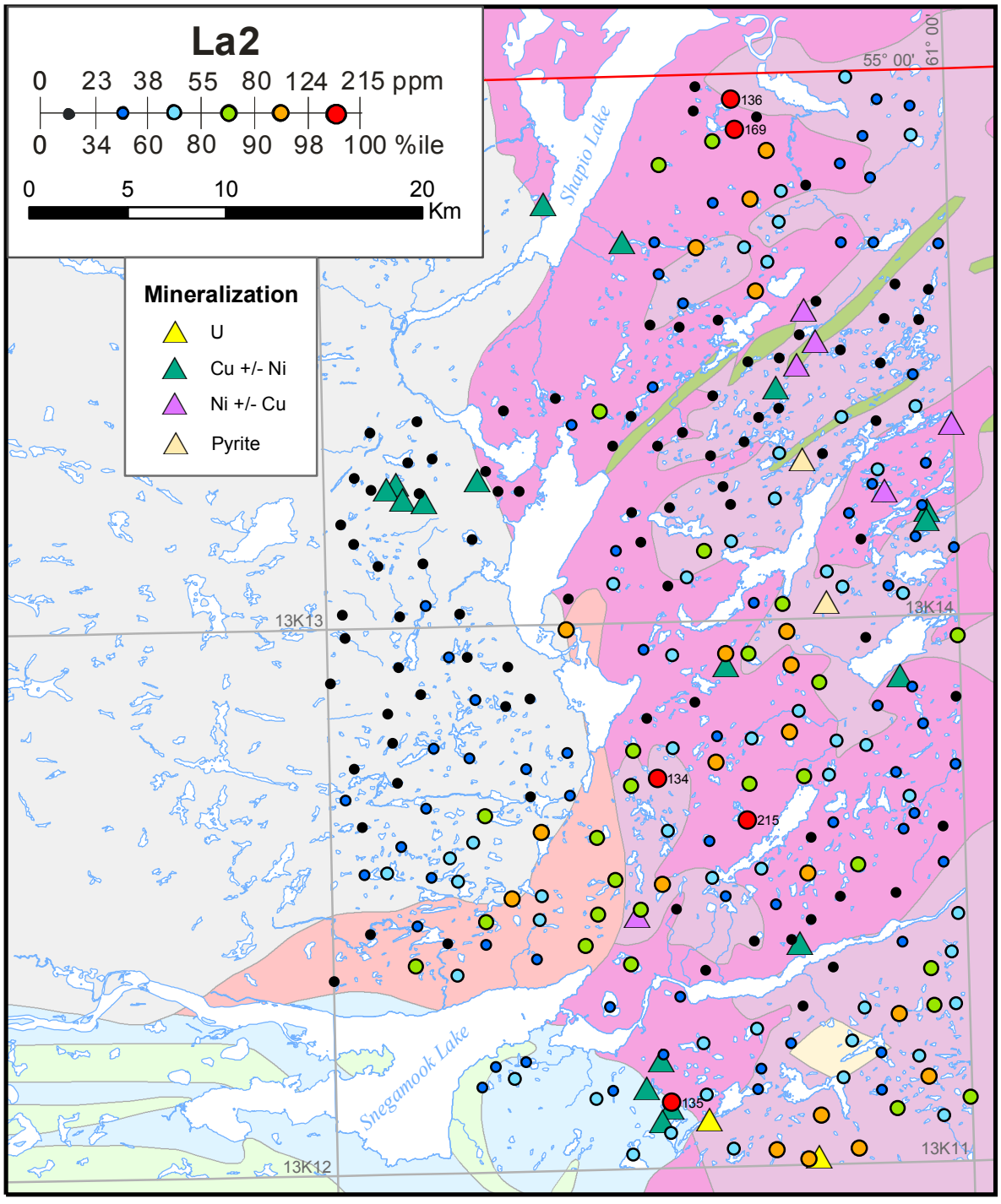
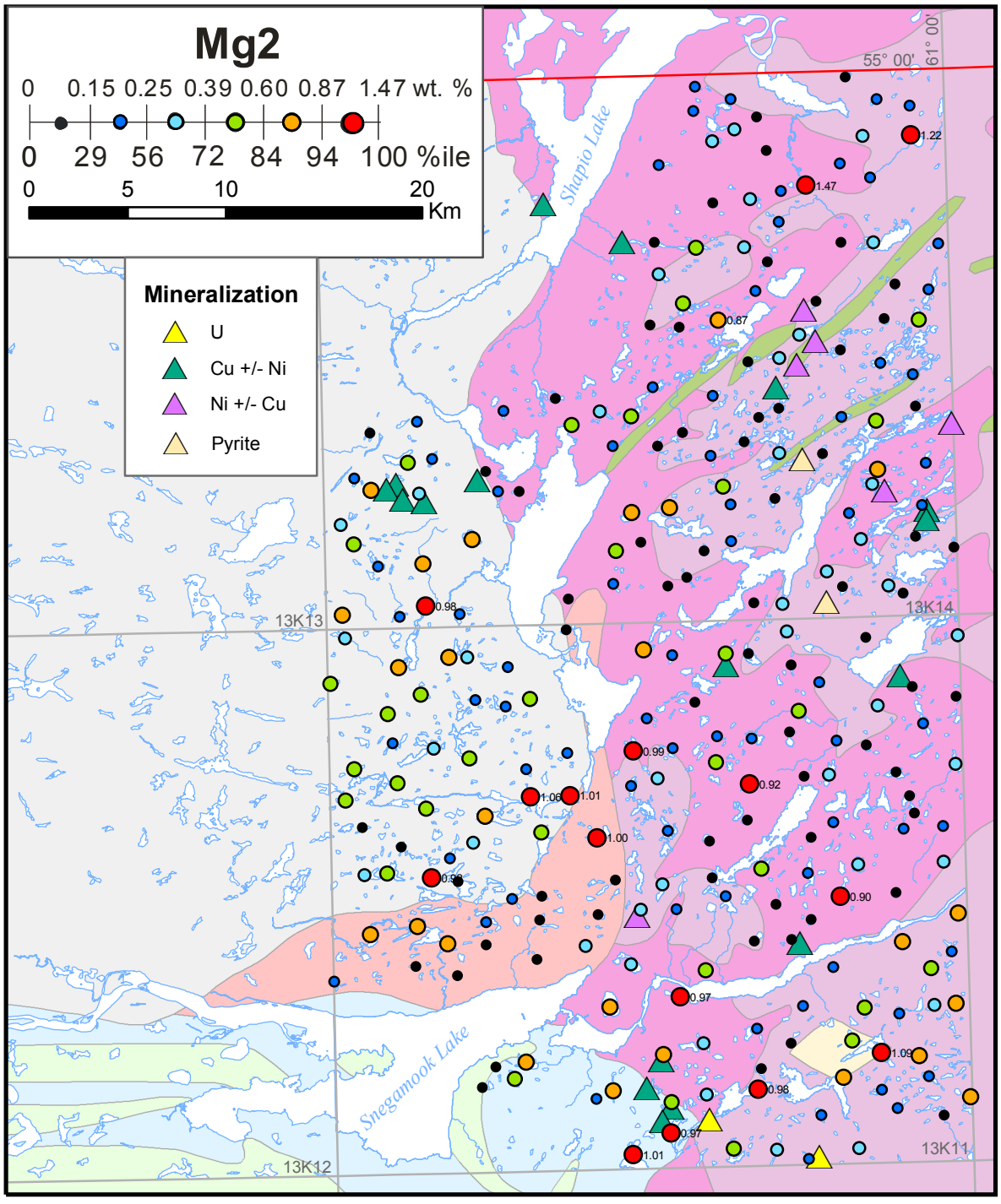


Figure 17. *Lanthanum (La2) in lake sediment.*



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- Kanairiktok Intrusive Suite: *granodiorite, tonalite and minor granite*
- Florence Lake Group: *mafic volcanic and volcaniclastic rocks*

Figure 18. *Magnesium (Mg2) in lake sediment.*

Water Data

The distribution of the pH of water samples is shown in Figure 19. There is a strong clustering of values both spatially and by rock type. The area in 13K/14 underlain by the KIS is characterized by water with low pH values (acidic) whereas most of the samples from areas in the south of the survey in NTS map area 13K/11 that are underlain by the KIS are more alkaline. In contrast, many samples from areas of migmatite in NTS map area 13K/14 are relatively alkaline whereas samples overlying this unit in many of the southern areas of this unit have more acidic values. Lake water overlying areas of the Harp Lake Intrusive Suite have nearly neutral pH values.

The distribution of conductivity (Figure 20) shows a strong grouping of values by area. Nearly all the highest values are found in the south of the area overlying several different lithologic units. In the north, most of the higher values are from sites overlying migmatite whereas samples from the KIS are generally lower.

The distribution of Cu is shown in Figure 21. Two scattered high value samples are located over the Harp Lake Intrusive Suite and the migmatite in NTS map area 13K/14. A group of 12 samples with elevated Cu values is found in the southern part of NTS map area 13K/14 from sites that overlie both the migmatite and the KIS.

Analyses of three scattered samples fall into the highest Ni in water interval (Figure 22). Two are from sites overlying the Harp Lake Intrusive Suite and one is about a kilometre from a group of Cu±Ni occurrences. The third sample, from a site overlying the migmatite in 13K/14, also has the highest Cuw2 and Znw2 analyses and has elevated Au and Cu in sediment. A broad area of elevated Ni values is found in the northeast quadrant of NTS map area 13K/14. It is underlain by units of the KIS, migmatite and Florence Lake Group volcanics.

The distribution of Zn (Figure 23) is characterized by generally low zinc contents that have a scattered distribution. The single sample in the highest interval (49 ppb) is the same sample described above in NTS map area 13K/14 that has the highest Cu and Ni contents.

The distribution of Fe in water is shown in Figure 24. The concentration of Fe in surface water is largely controlled by its exposure to oxygen. Ground water and water in bogs is effectively sealed off from atmospheric oxygen and hence can contain Fe levels in the hundreds to thousands of ppb. Such water quickly loses its Fe by oxidation when exposed to normal atmospheric oxygen in streams or lakes. Thus the presence of high Fe levels in some lakes in Figure 24 indicates that these waters were not yet in equilibrium with atmospheric oxygen and likely entered the lakes from bogs or groundwater sources shortly before sampling. Supporting evidence for this hypothesis is the Spearman correlation coefficient between the variables Few1 and $\log_{10}$ lake area of −0.44. This is significant at the 99% confidence level. Lakes having a larger surface area offer more time and opportunity for mixing of atmospheric oxygen with the near-surface lake water.

The distribution map of Ca in water (Figure 25) is very similar to that of conductivity – not surprising since the two variables have a correlation coefficient of 0.97.

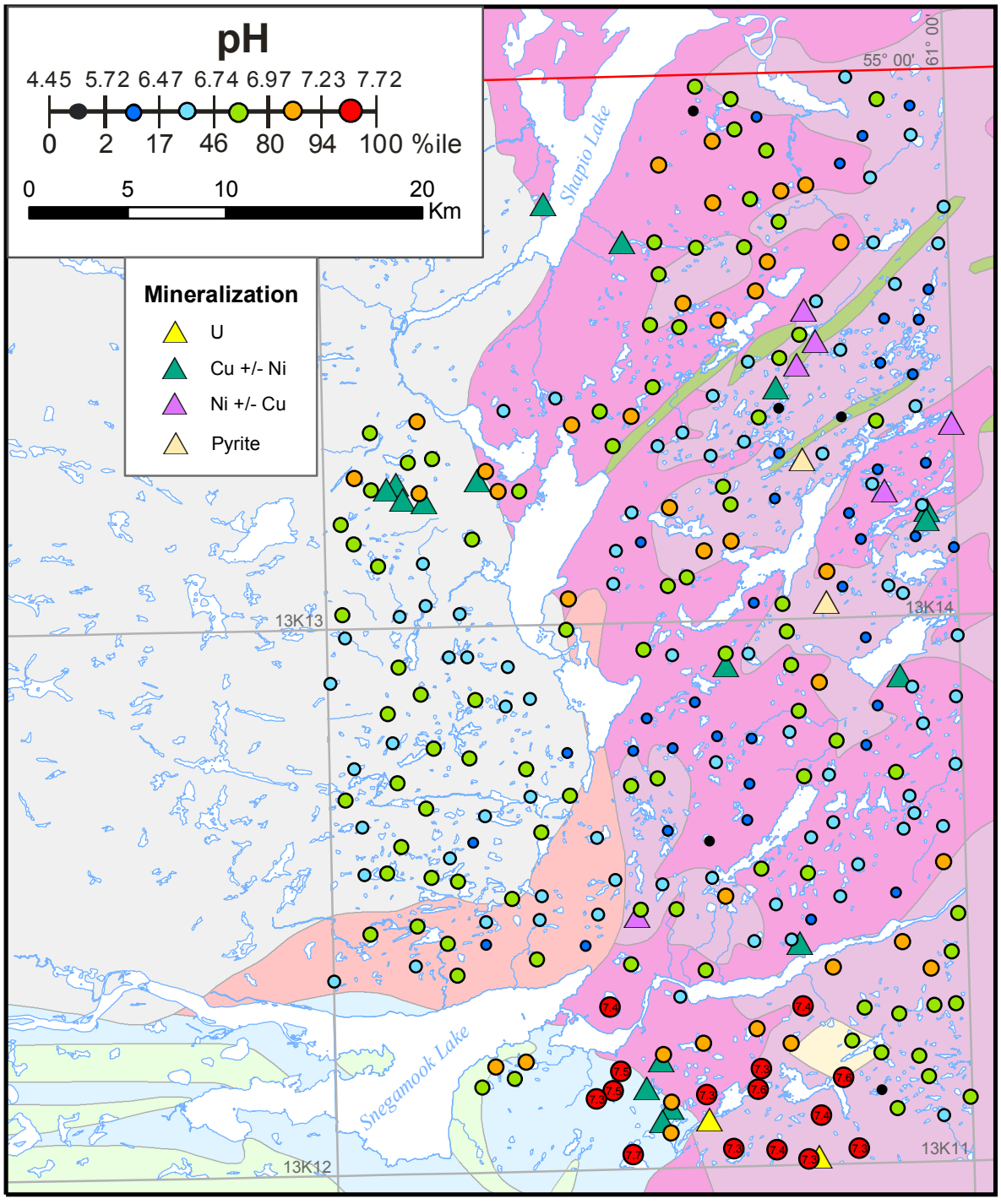

Figure 19. *Acidity (pH) of lake water.*

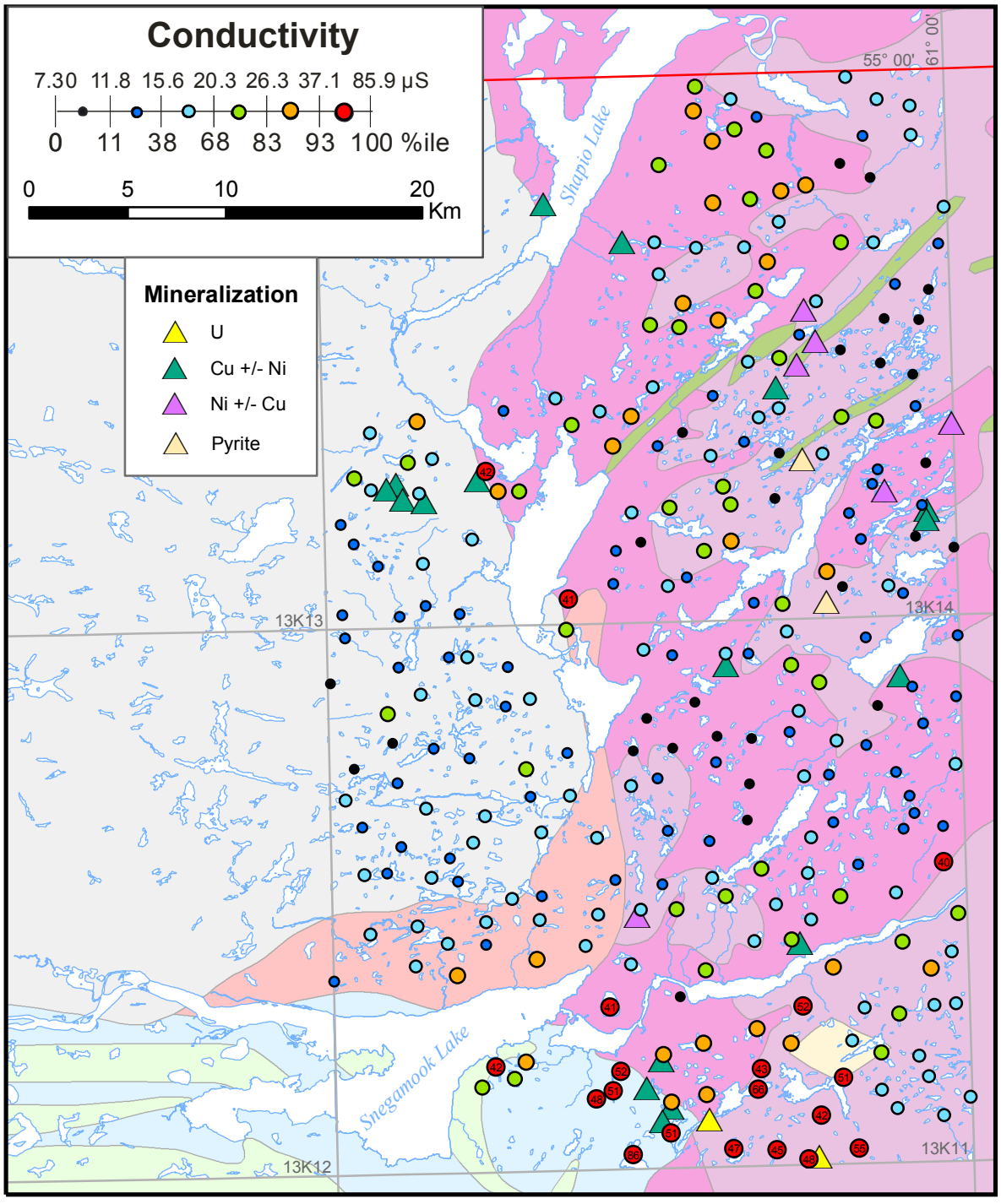

Figure 20. *Conductivity of lake water.*

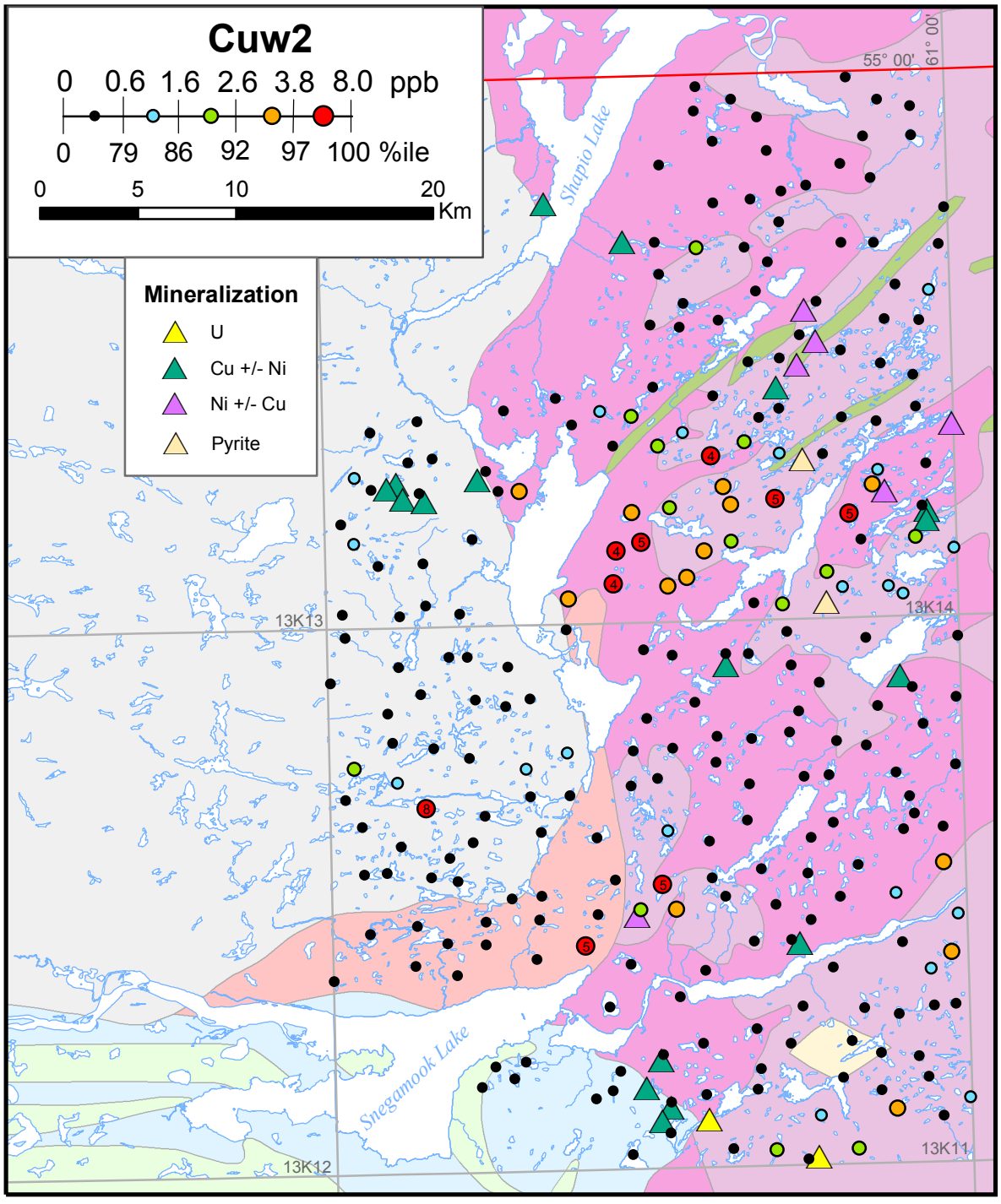

Figure 21. *Copper (Cuw2) in lake water.*

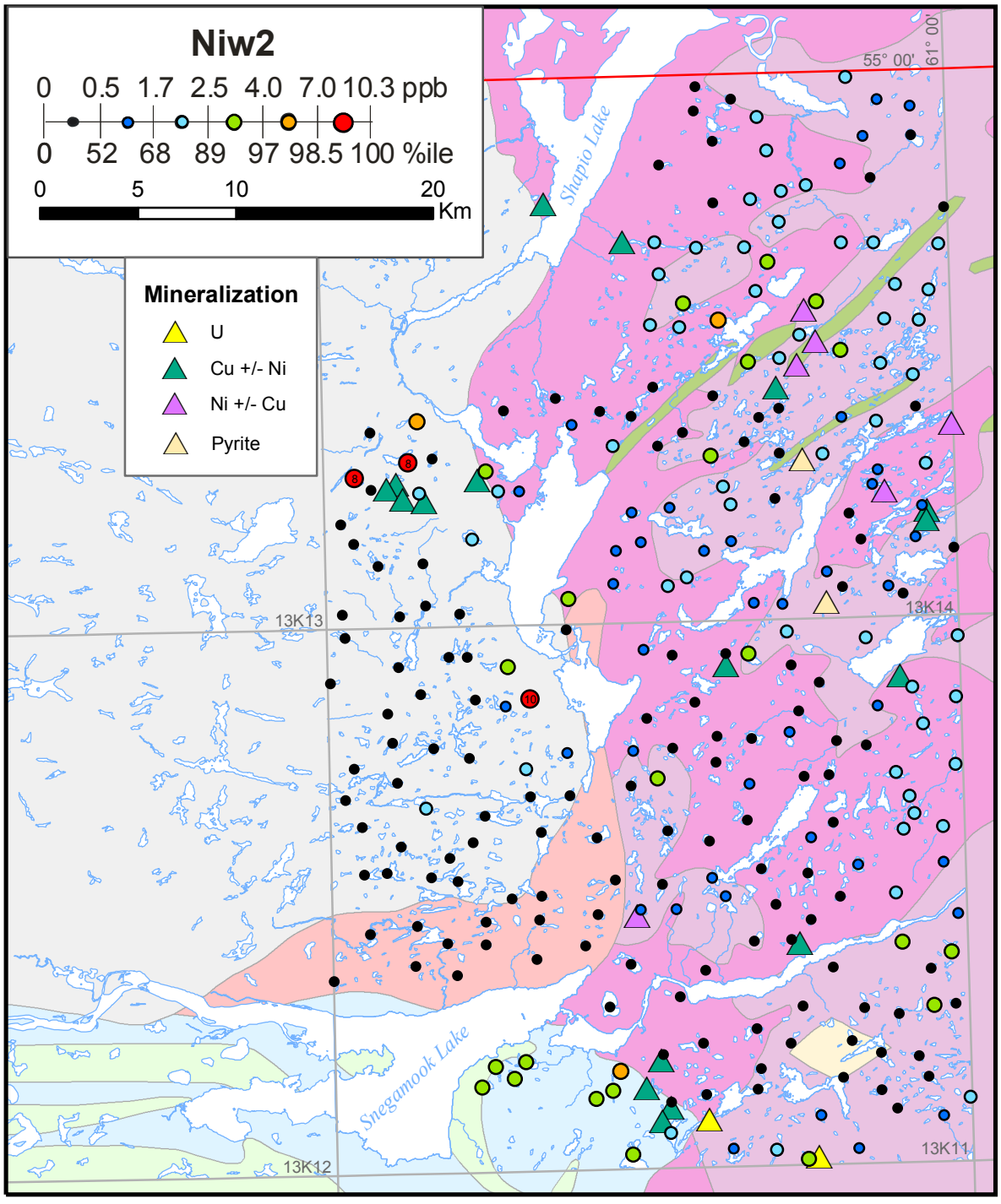

Figure 22. *Nickel (Niw2) in lake water.*

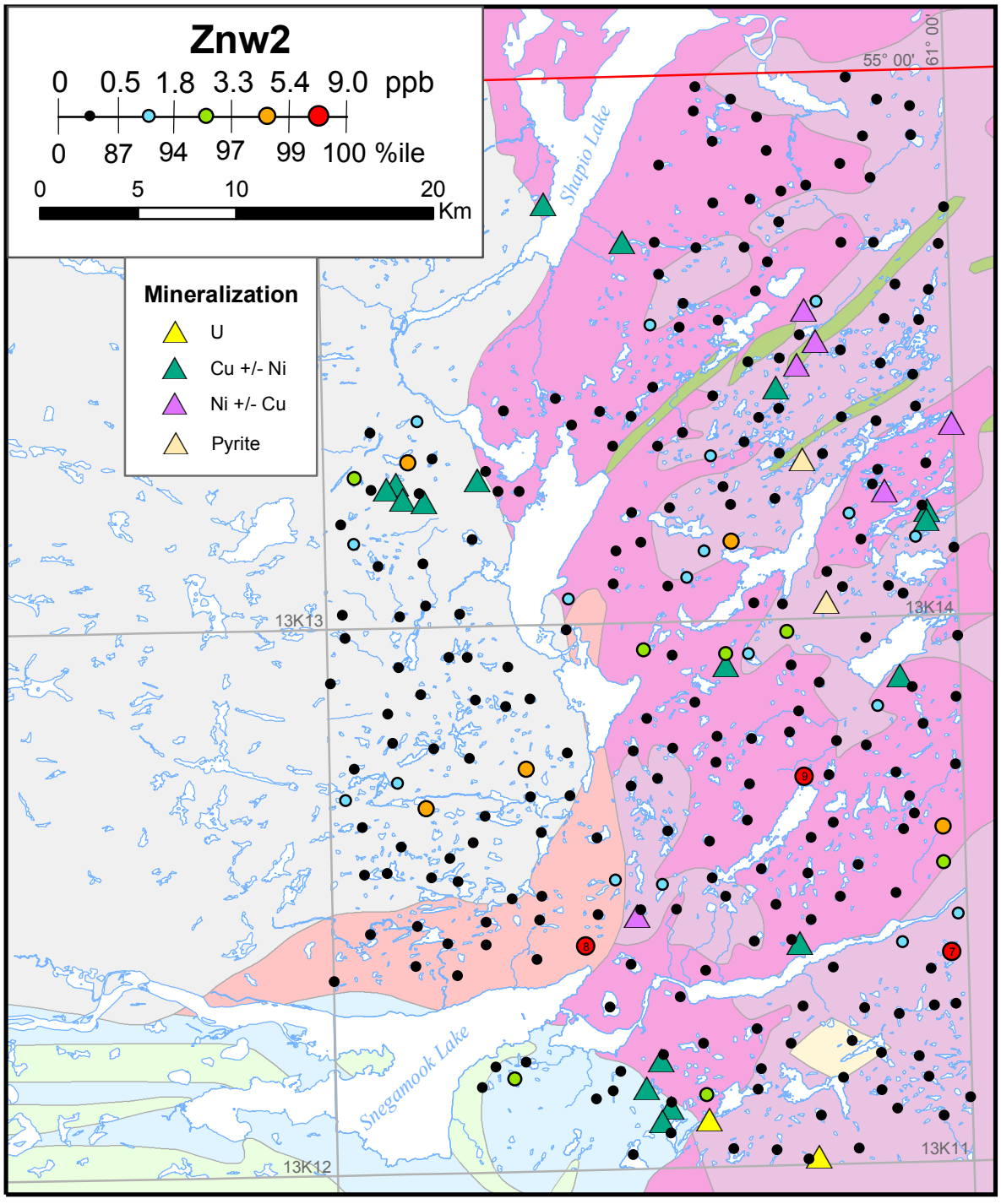

Figure 23. *Zinc (Znw2) in lake water.*

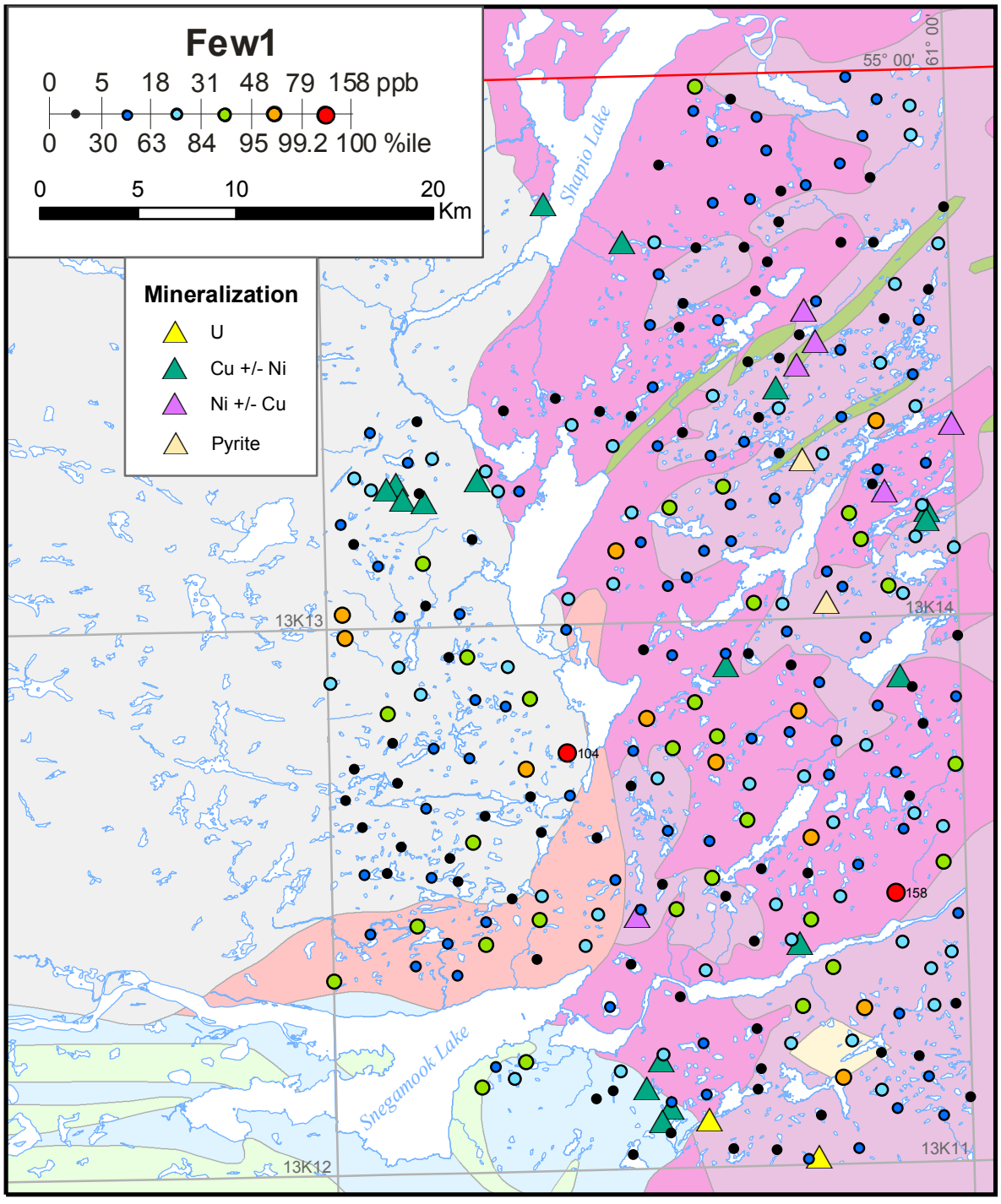

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Figure 24. *Iron (Few1) in lake water.*

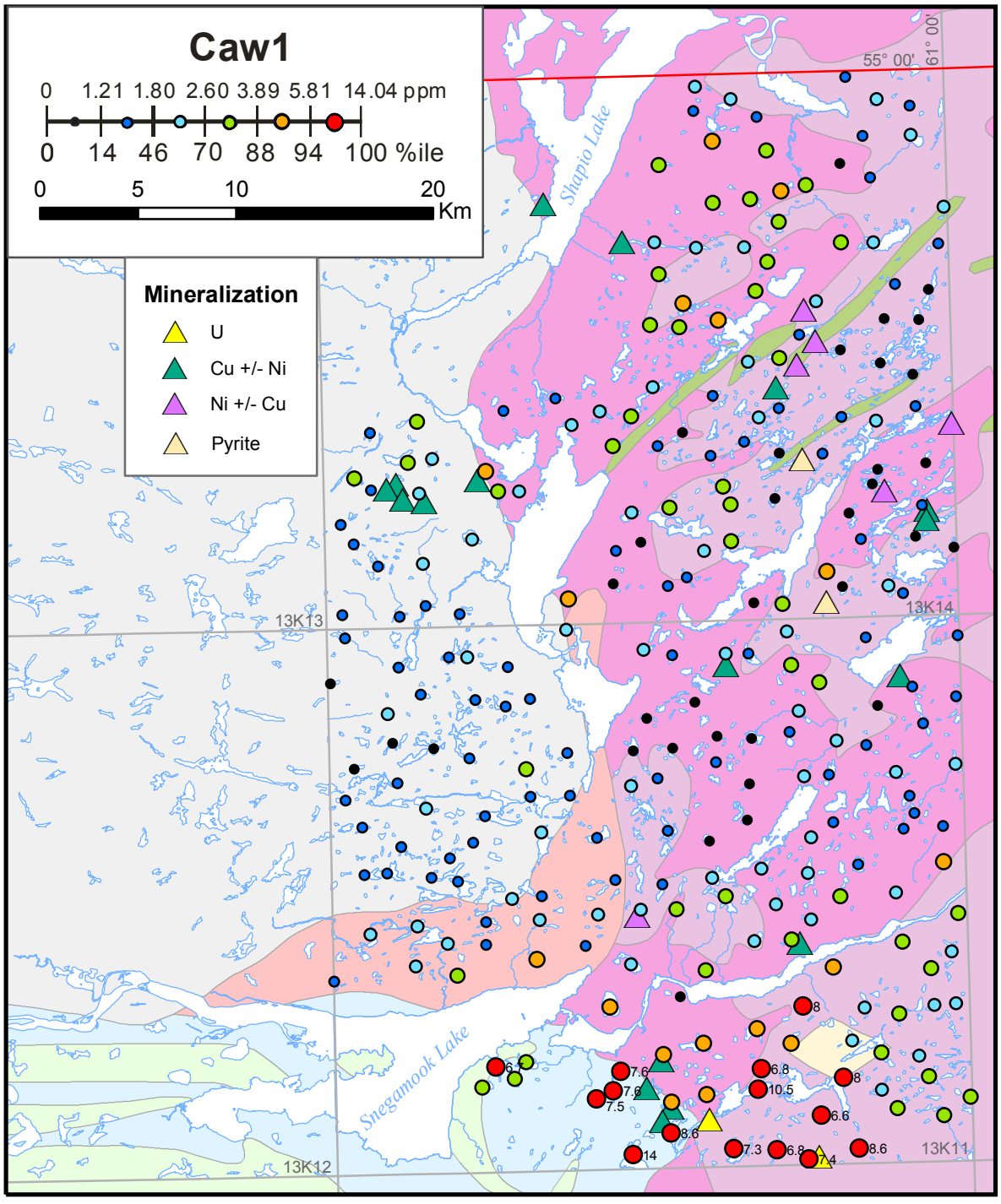


Figure 25. *Calcium (Caw1) in lake water.*

The distribution of Mg (Figure 26) also shares some similarities with conductivity (r=0.81) but there are differences too. Distribution patterns are clearly associated with some rock types and suggest compositional variations not apparent at the scale of mapping shown. For example, in southern NTS map area 13K/11 clusters of elevated values of Mg (>0.50 ppm) are found over and down-ice of the Seal Lake Group basalts, in the area of the shale-hosted Cu±Ni mineralizations and over an area of the KIS. Another group of elevated values is found around the Cu±Ni mineralizations in the Harp Lake Intrusive Suite.

The distribution of Si shows unusually strong patterning (Figure 27). Most of the highest values are found from sites over the migmatite unit in NTS map area 13K/14, whereas many of the lowest values are found in NTS map area 13K/11 over the same unit. Many samples from the Harp Lake Intrusive Suite have elevated values.

The distribution of SO_4w1 was plotted to see whether there is an association with sulphide mineralization (Figure 28). Generally there does not appear to be, although two samples having elevated values are located near mineralization – one along the contact of the Harp Lake Intrusive Suite with the migmatite in NTS map area 13K/14 and one in NTS map area 13K/11 over migmatite.

Other Geochemical Maps

The distributions of the remaining elements are shown in alphabetical order without discussion in the following figures. Remaining sediment maps are Figures 29 to 57. Remaining water maps are Figures 58 to 73.

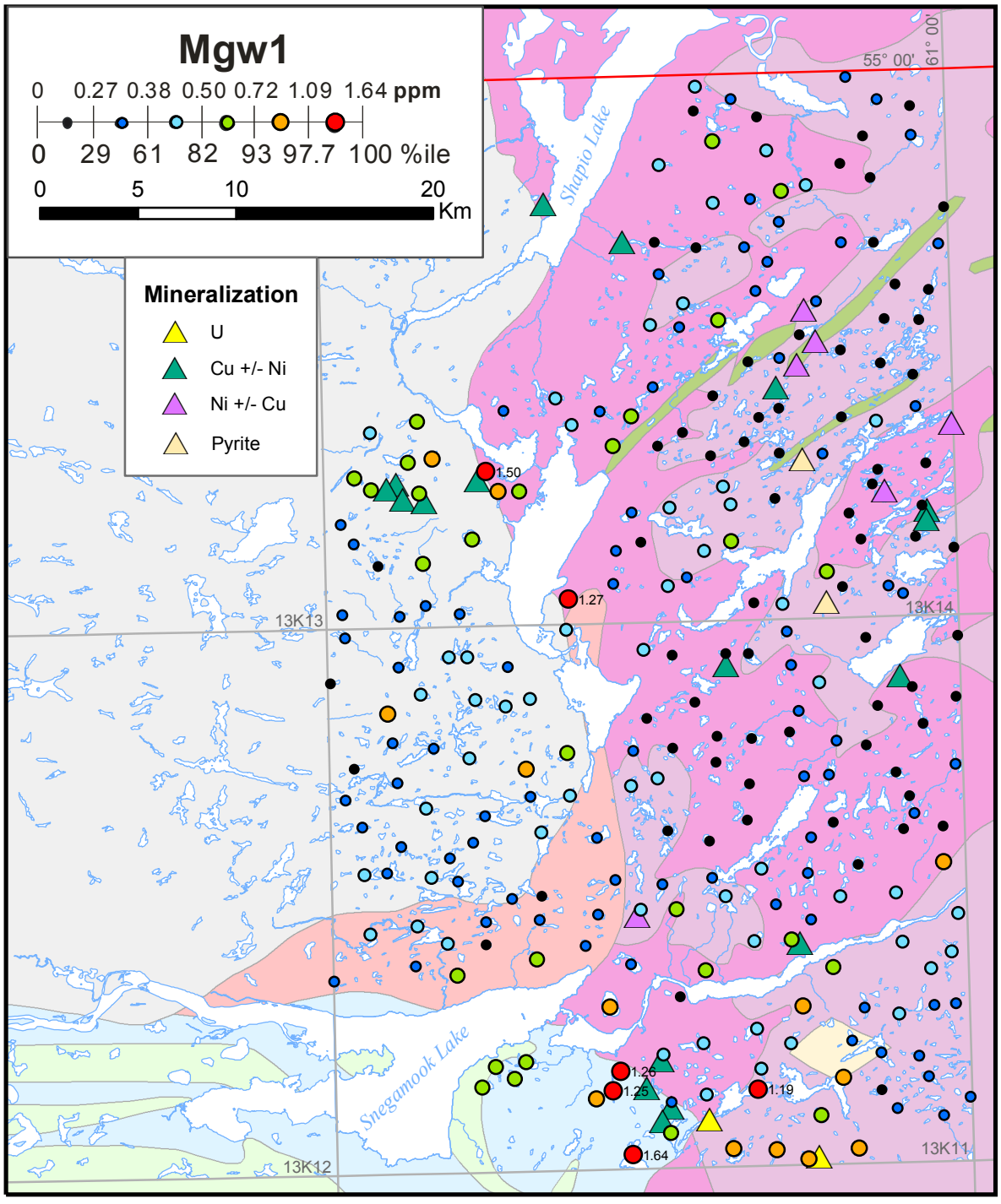
CONCLUSIONS

1. A single very high Au analysis (175 ppb) is suspect, as the sample has very low LOI and is from a very shallow site. Resampling of the lake is recommended before more follow-up exploration is undertaken. Seven other samples having values between 12-17 ppb are anomalous.

2. Three of the highest Cu2 in sediment analyses are close to the Snegamook Lake #3 Cu indication. Seven other high values are found elsewhere, only one of which is near known Cu mineralization.

3. A cluster of three high-value Ni2 samples is found in the southeast corner of NTS map area 13K/11 and is part of a larger group of samples having elevated Ni2 values. None of the samples are near known areas of mineralization.

4. The three samples having the highest Zn2 contents are found in the southeast quadrant of NTS map area 13K/11. One of these is coincident with a highest interval Cu2 sample (near Cu mineralization) and one is coincident with a highest interval Ni2 sample.



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- Kanairiktok Intrusive Suite: *granodiorite, tonalite and minor granite*
- Florence Lake Group: *mafic volcanic and volcaniclastic rocks*

Figure 26. *Magnesium (Mgw1) in lake water.*

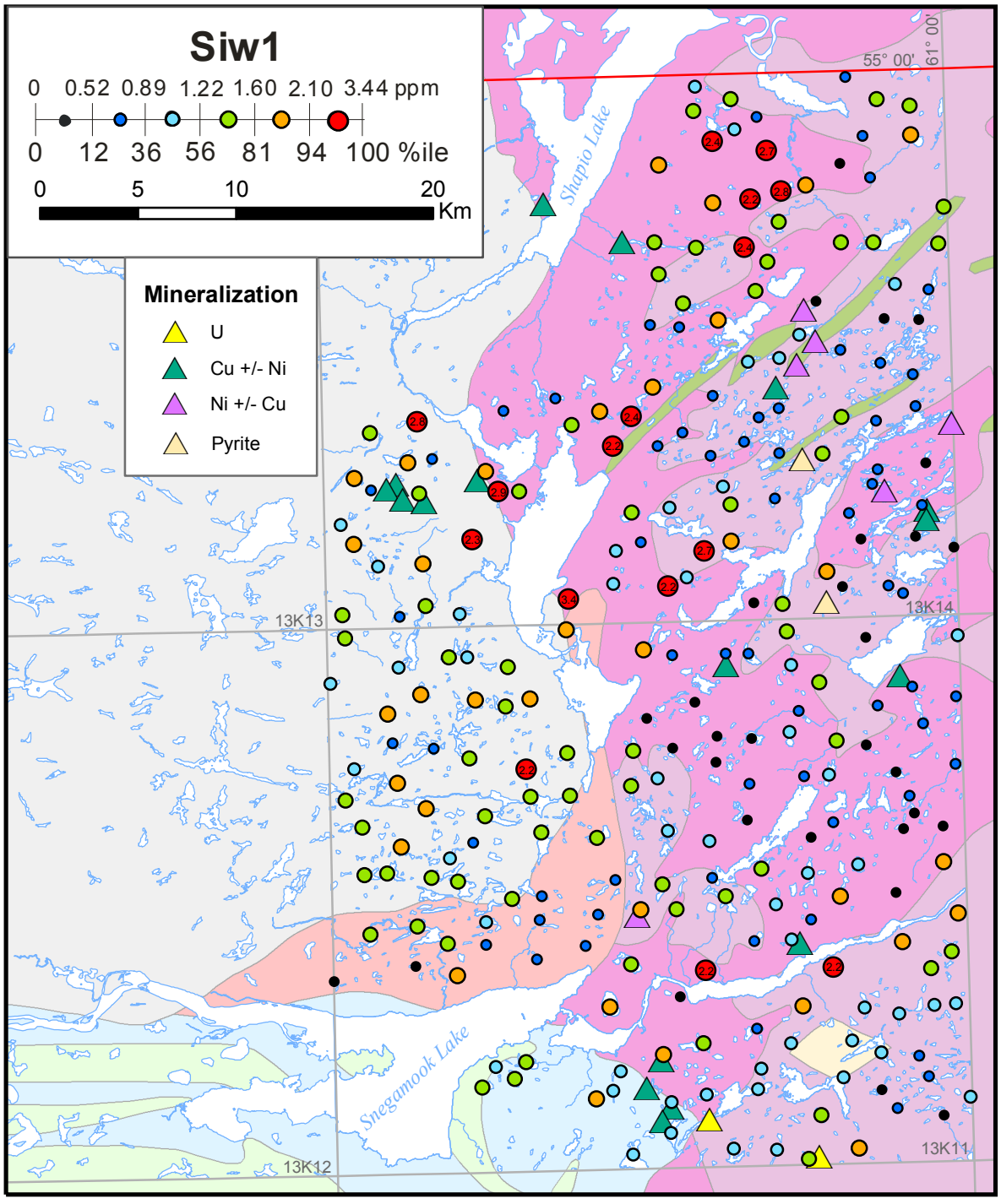

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Figure 27. *Silica (Siw1) in lake water.*

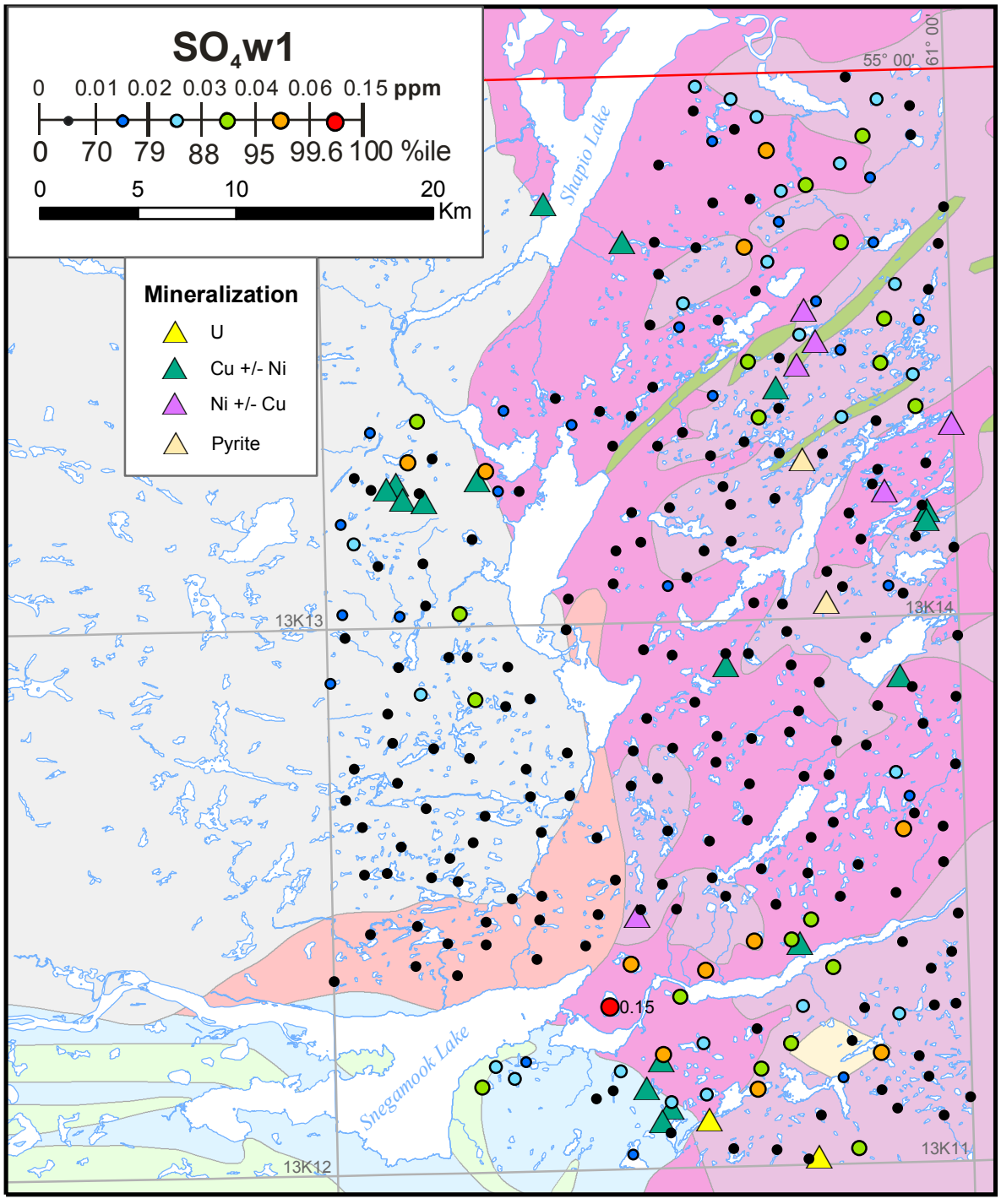

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Figure 28. *Sulphate (SO_4w1) in lake water.*

5. The only U mineralization that has a lake suitable for sampling nearby is clearly anomalous at 165 ppm. Several other samples remote from known mineralization are also anomalous including one with 572 ppm.

6. Plots of U/Th ratios may be useful for recognizing U anomalies where the U signal is subdued.

7. The distribution patterns of some elements in lake water are obscured by high detection limits. The base metals Cu, Ni and Zn all have some anomalous values in water samples that may be associated with mineralization or elevated values in bedrock. One sample has the highest value of all three base metals in water; the same site also has elevated Cu and Au in sediment.

ACKNOWLEDGMENTS

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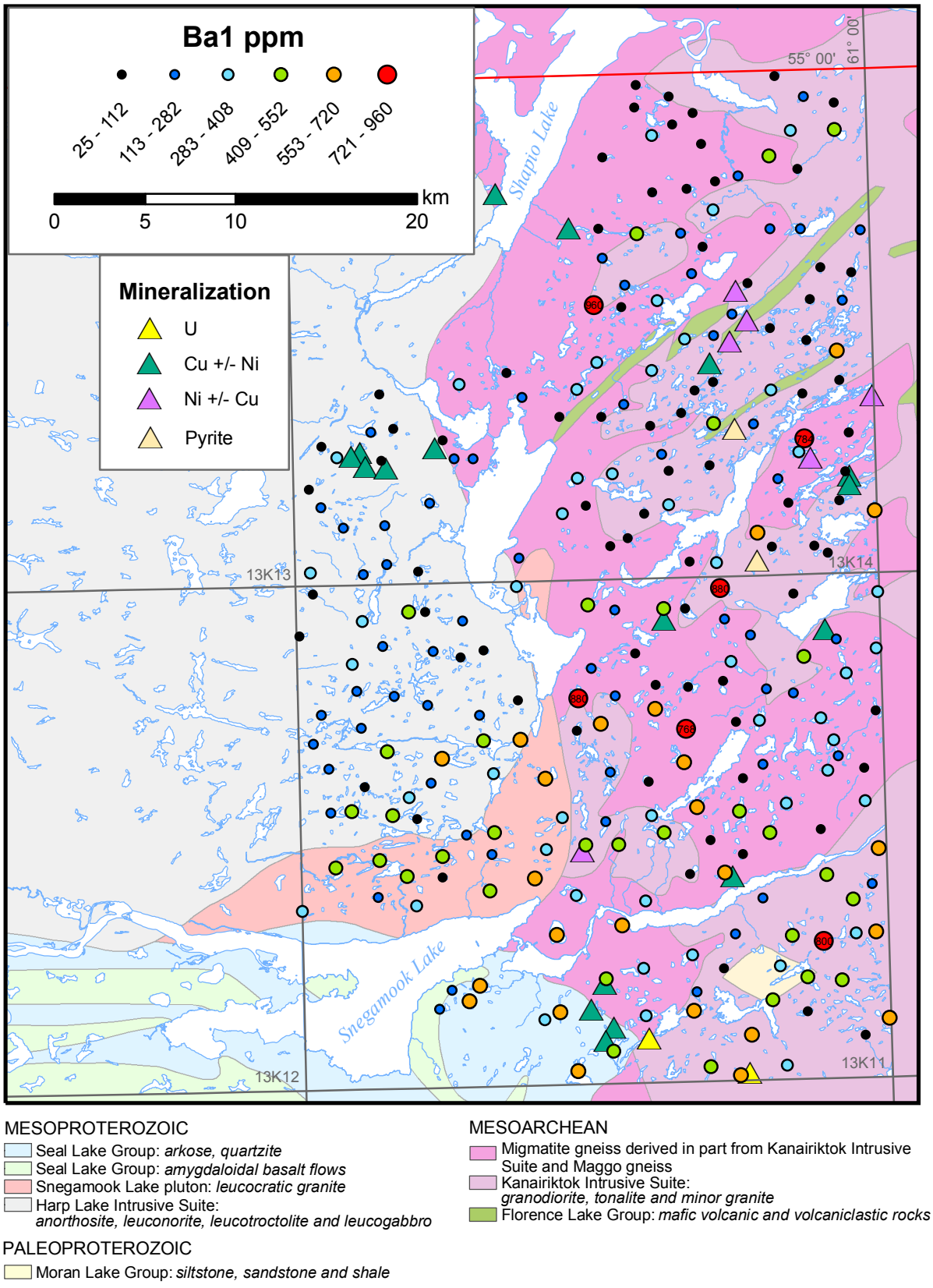

Figure 29. *Barium (Ba1) in lake sediment.*

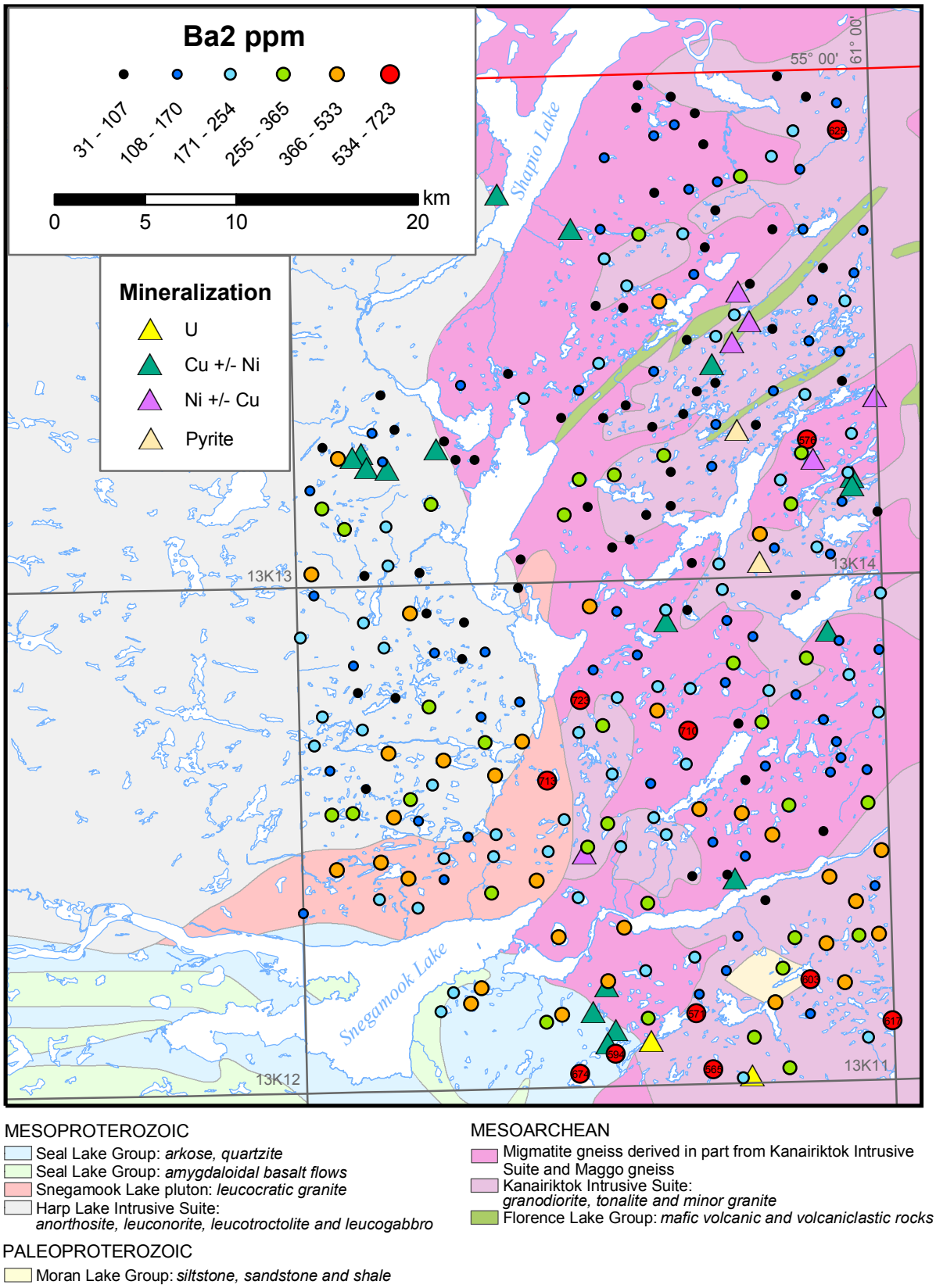

Figure 30. *Barium (Ba2) in lake sediment.*

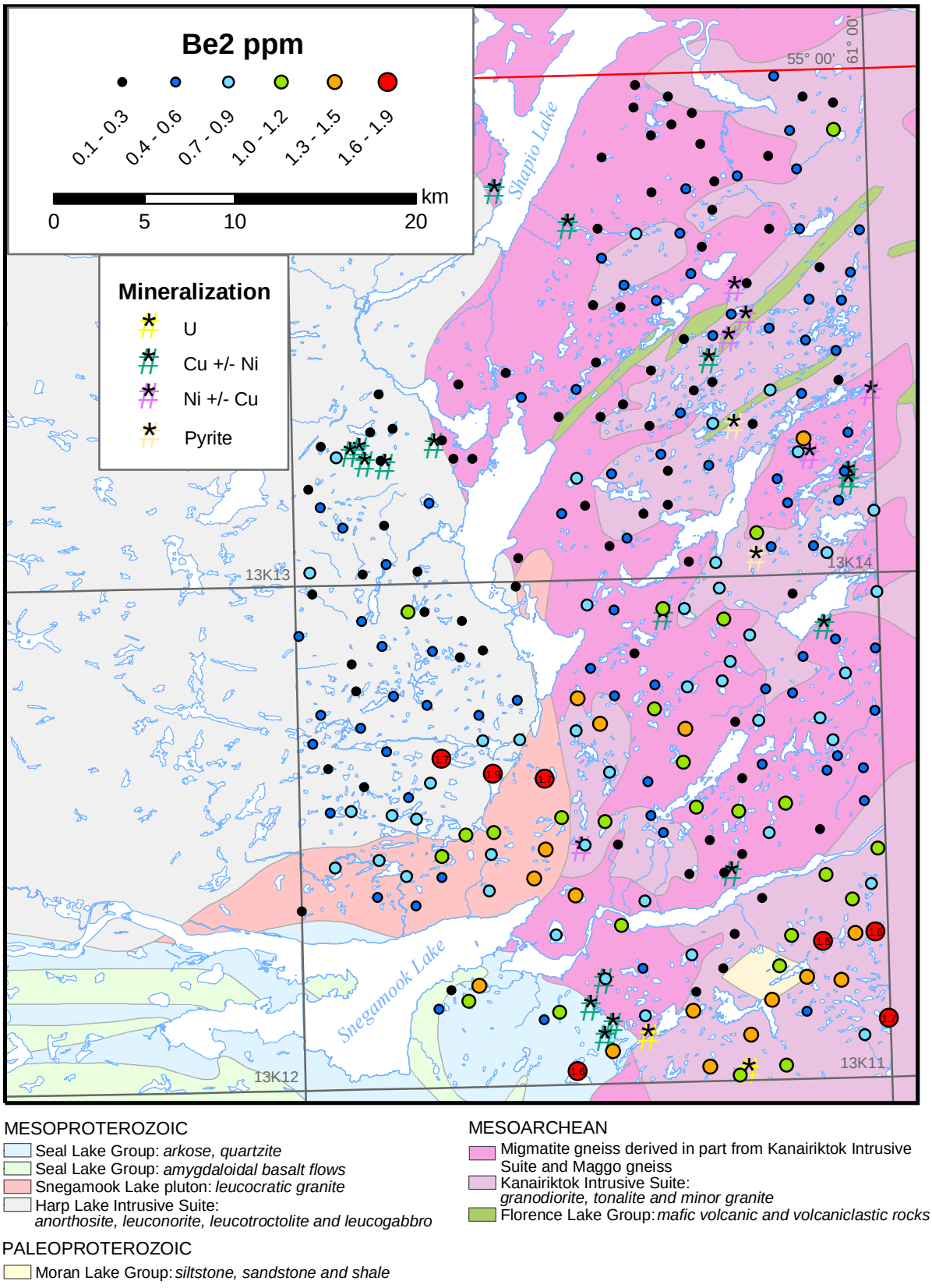

Figure 31. *Beryllium (Be1) in lake sediment.*

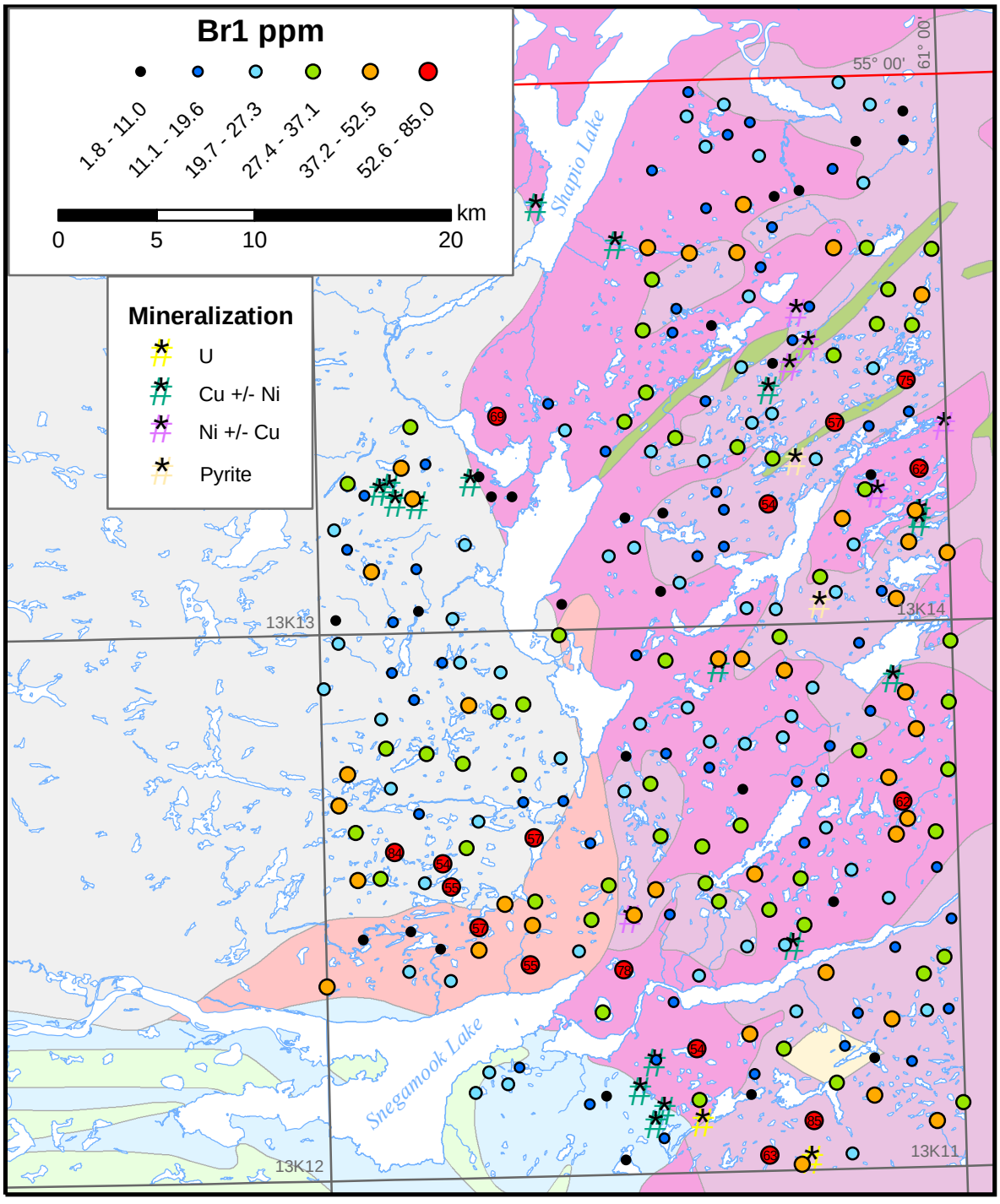

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Figure 32. *Bromine (Br1) in lake sediment.*

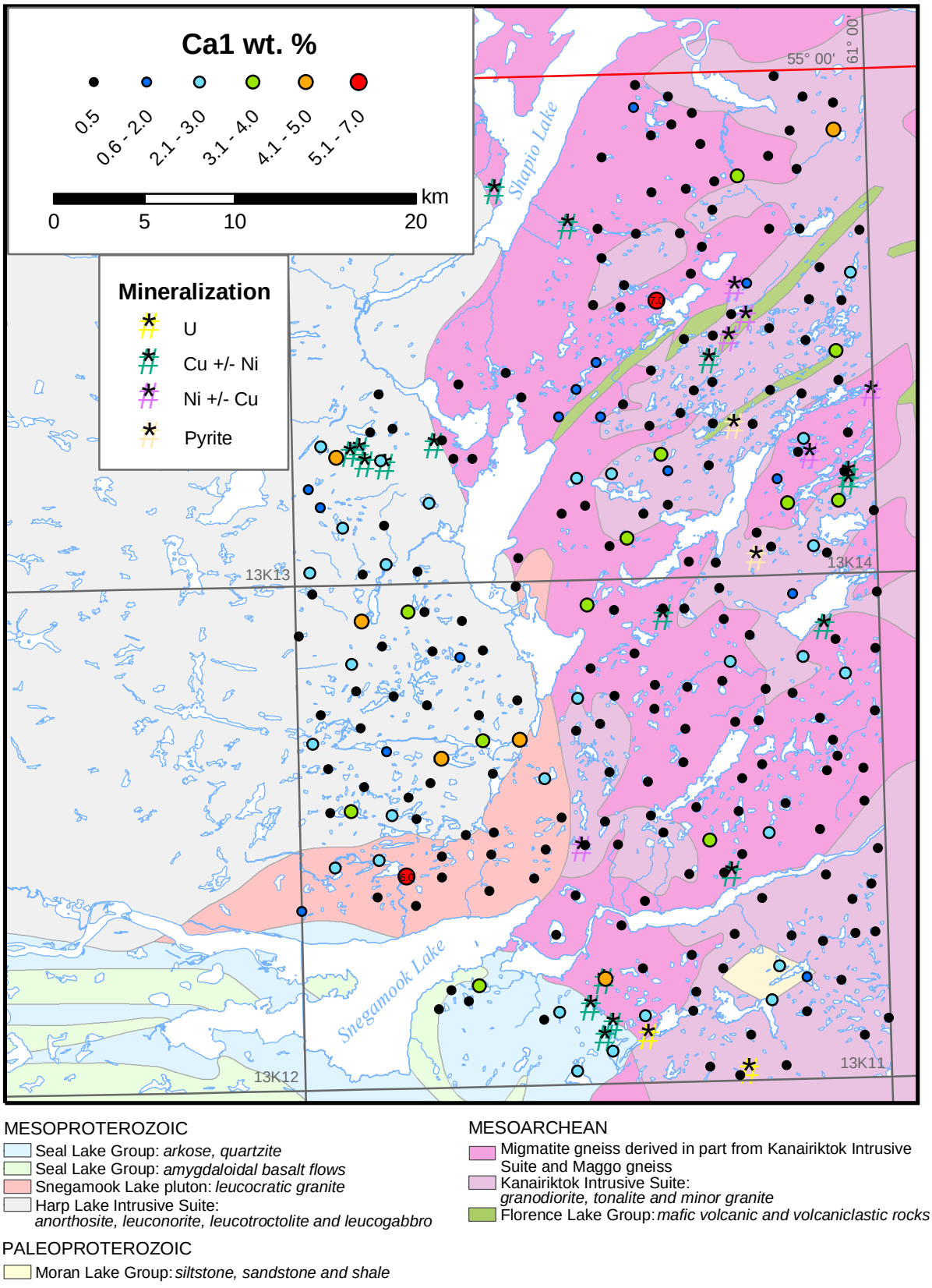

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Figure 33. *Calcium (Ca1) in lake sediment.*

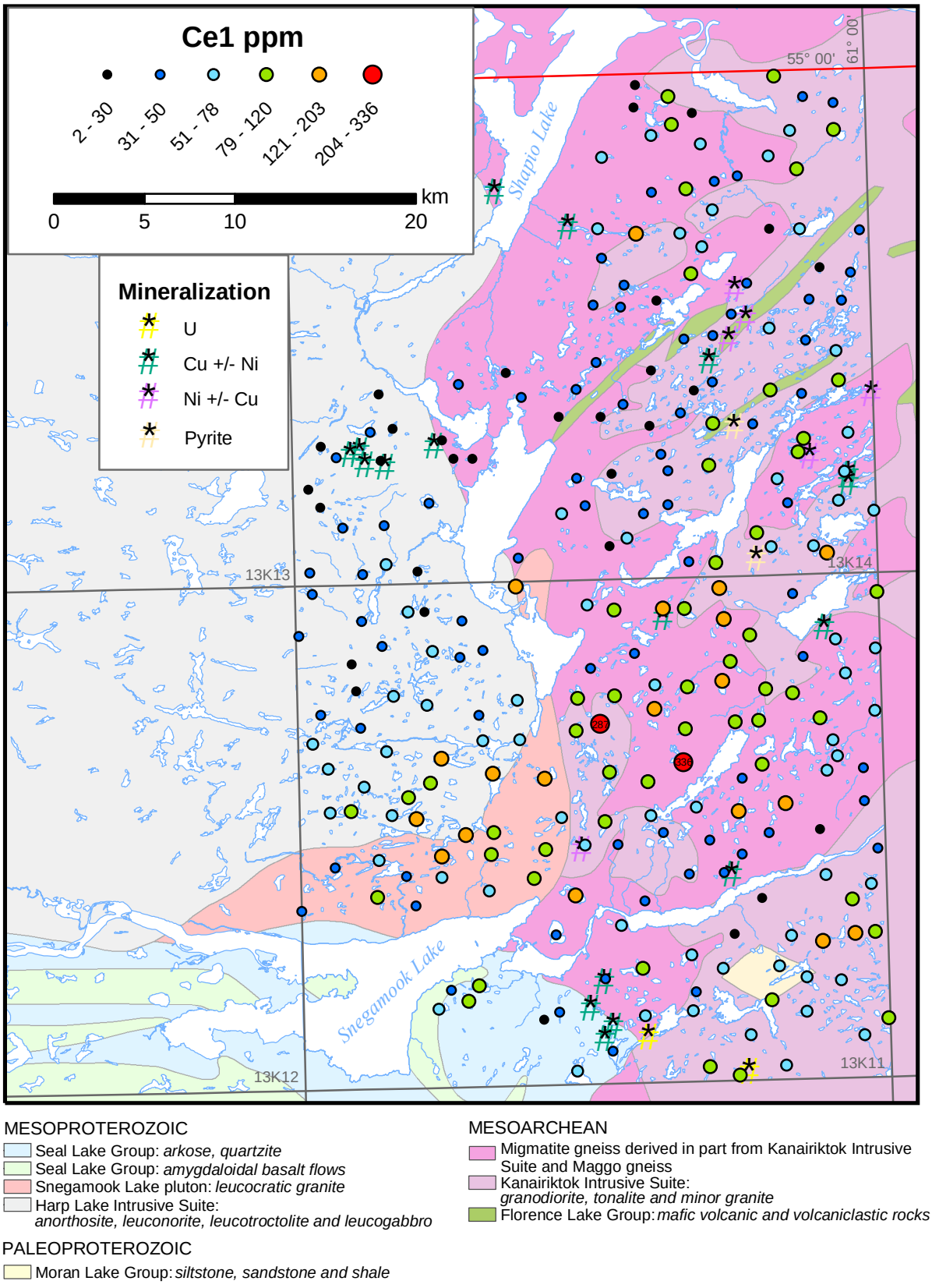


Figure 34. *Cerium (Ce1) in lake sediment.*

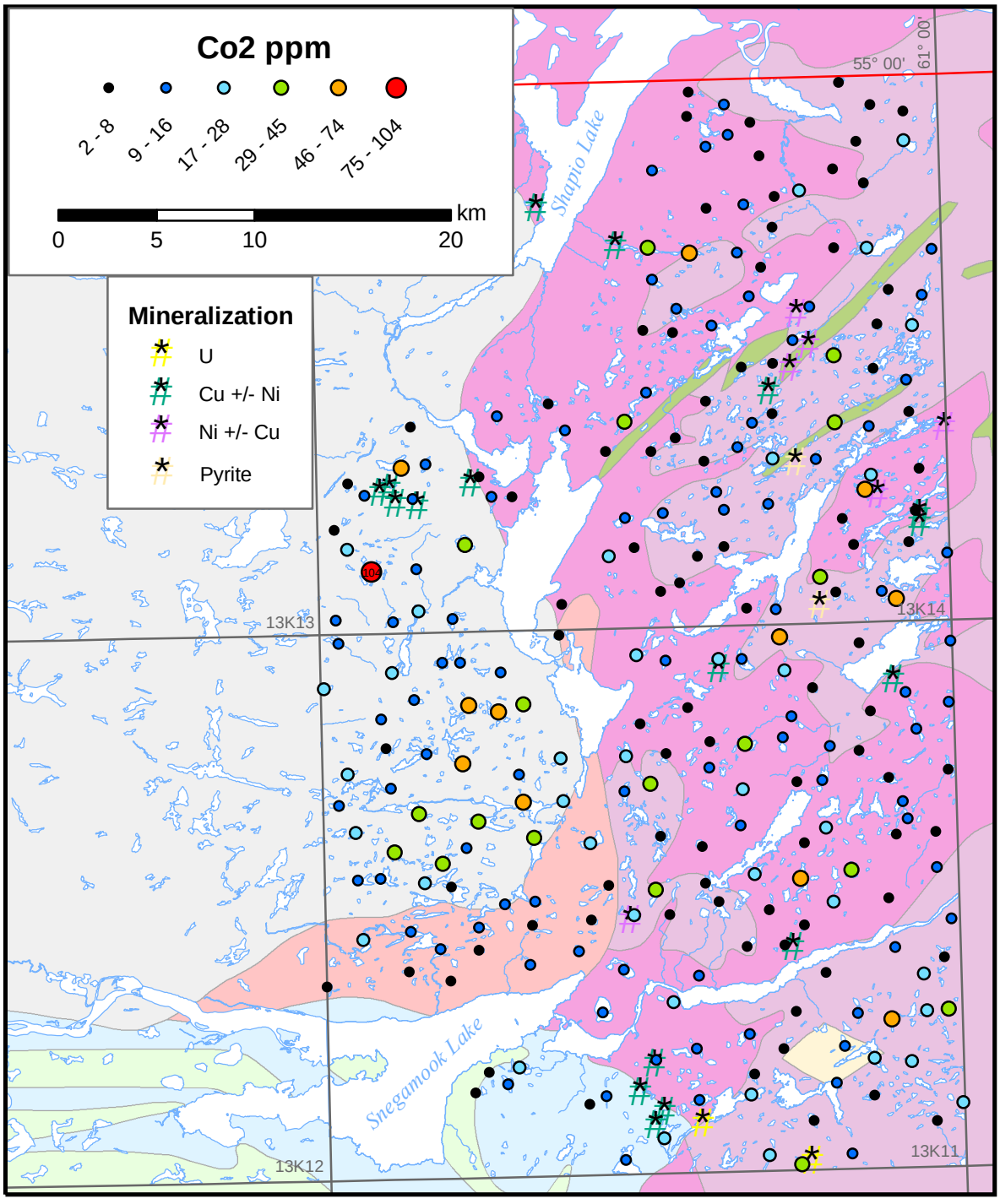


Figure 35. *Cobalt (Co2) in lake sediment.*

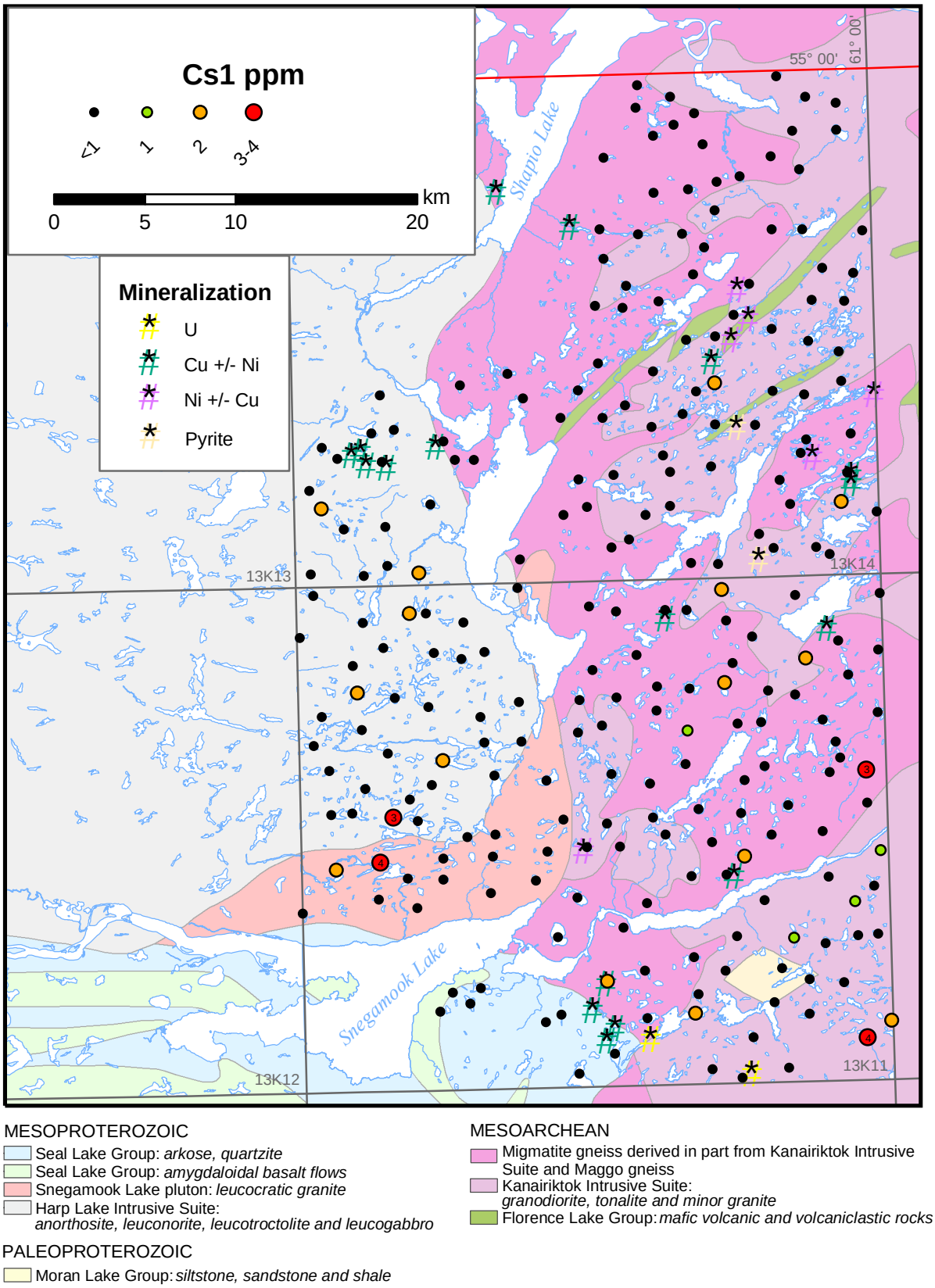
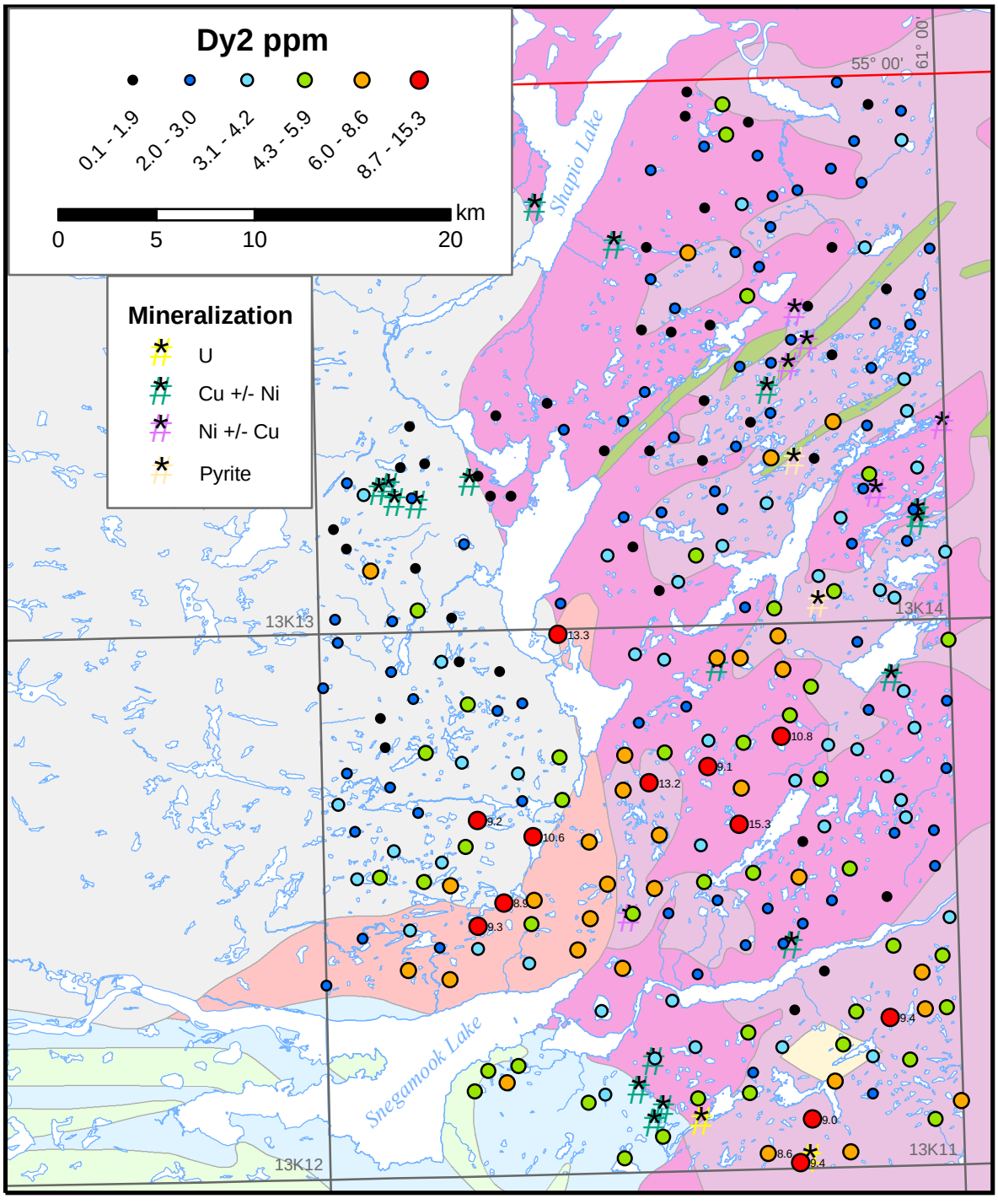


Figure 36. *Cesium (Cs1) in lake sediment.*



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- Florence Lake Group: *mafic volcanic and volcaniclastic rocks*

Figure 37. *Dysprosium (Dy2) in lake sediment.*

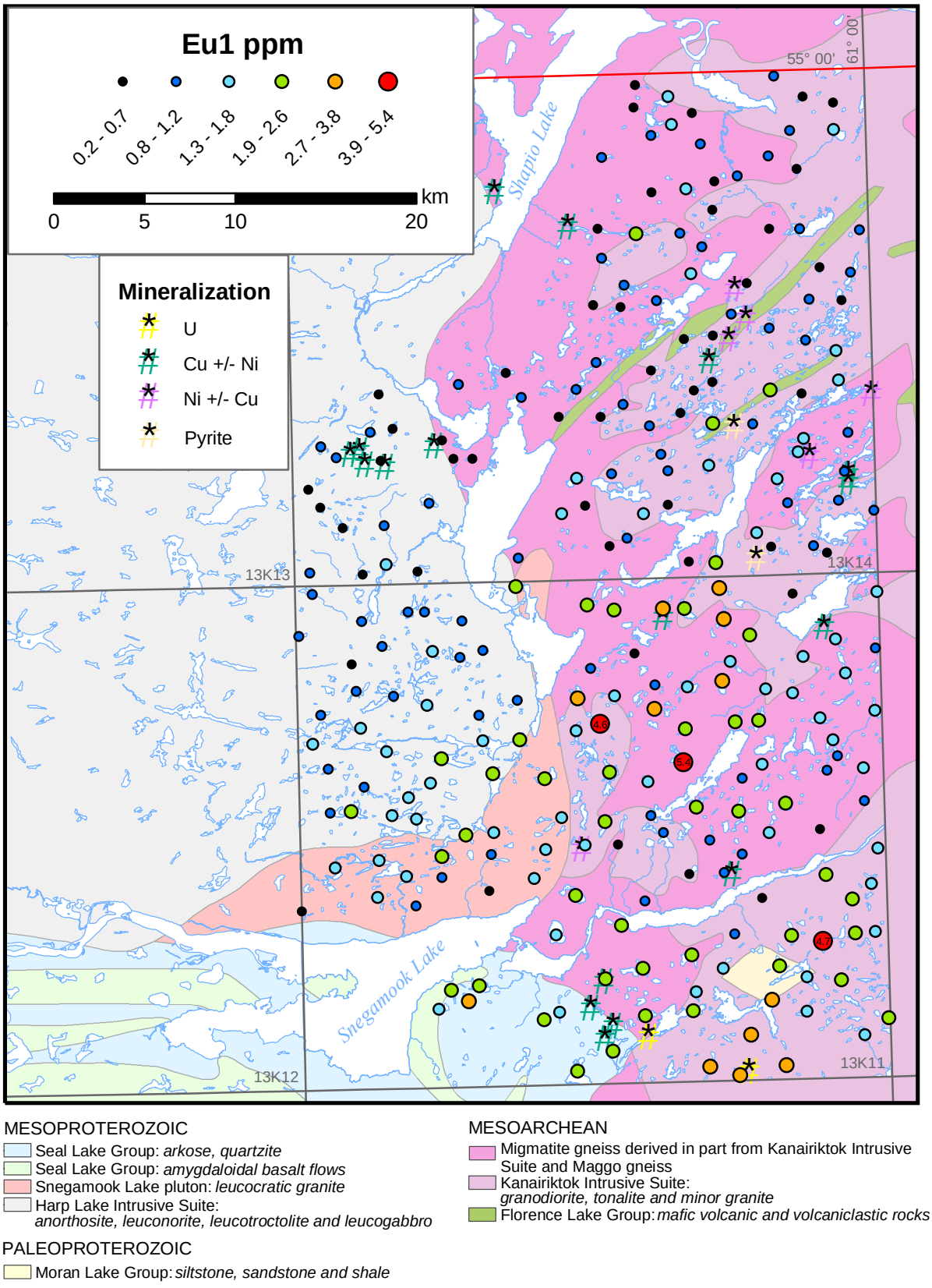
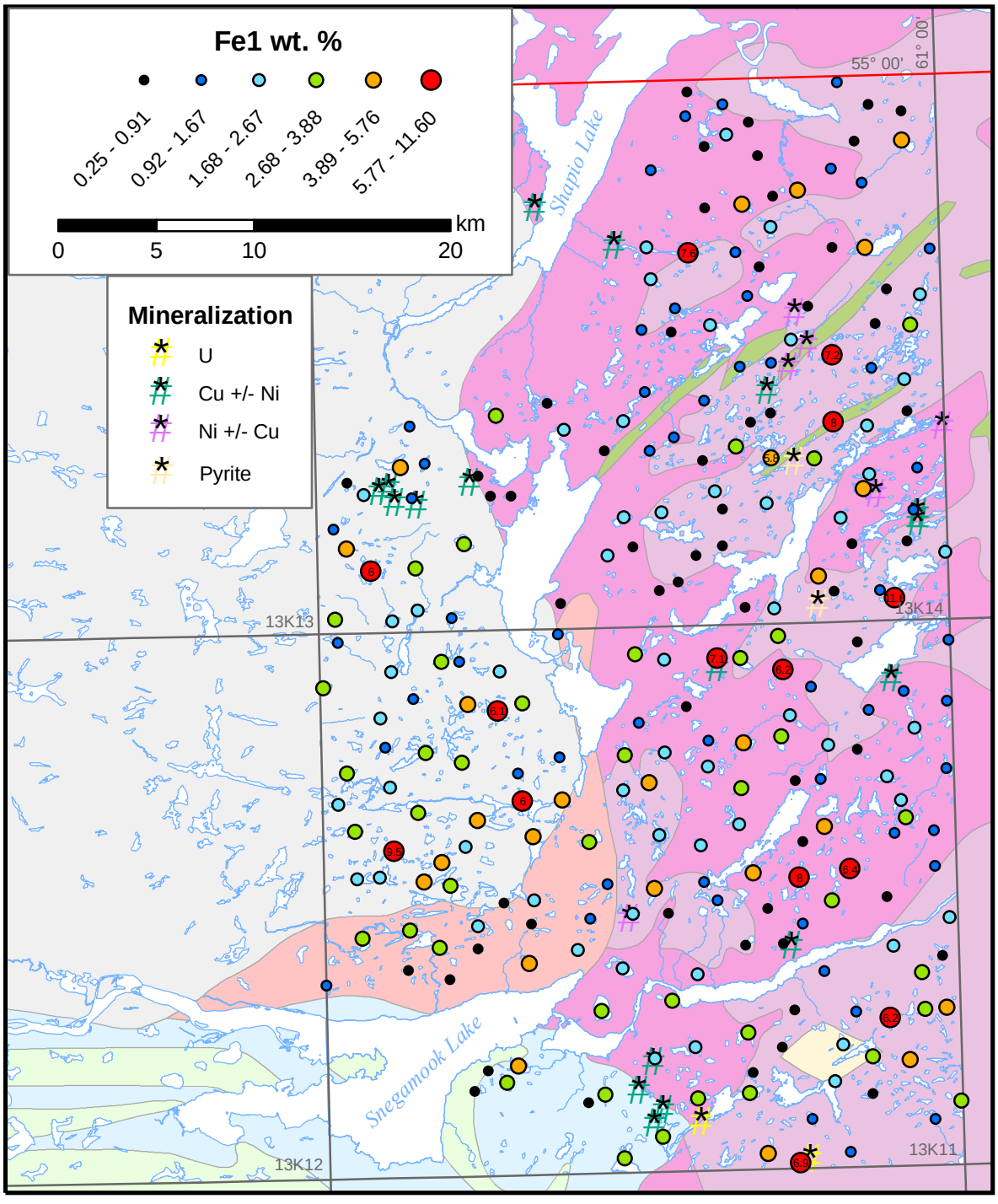


Figure 38. *Europium (Eu1) in lake sediment.*



MESOPROTEROZOIC

- Seal Lake Group: *arkose, quartzite*
- Seal Lake Group: *amygdaloidal basalt flows*
- Snegamook Lake pluton: *leucocratic granite*
- Harp Lake Intrusive Suite: *anorthosite, leuconorite, leucotroctolite and leucogabbro*

PALEOPROTEROZOIC

- Moran Lake Group: *siltstone, sandstone and shale*

MESOARCHEAN

- Migmatite gneiss derived in part from Kanairiktok Intrusive Suite and Maggo gneiss
- Kanairiktok Intrusive Suite: *granodiorite, tonalite and minor granite*
- Florence Lake Group: *mafic volcanic and volcaniclastic rocks*

Figure 39. *Iron (Fe1) in lake sediment.*

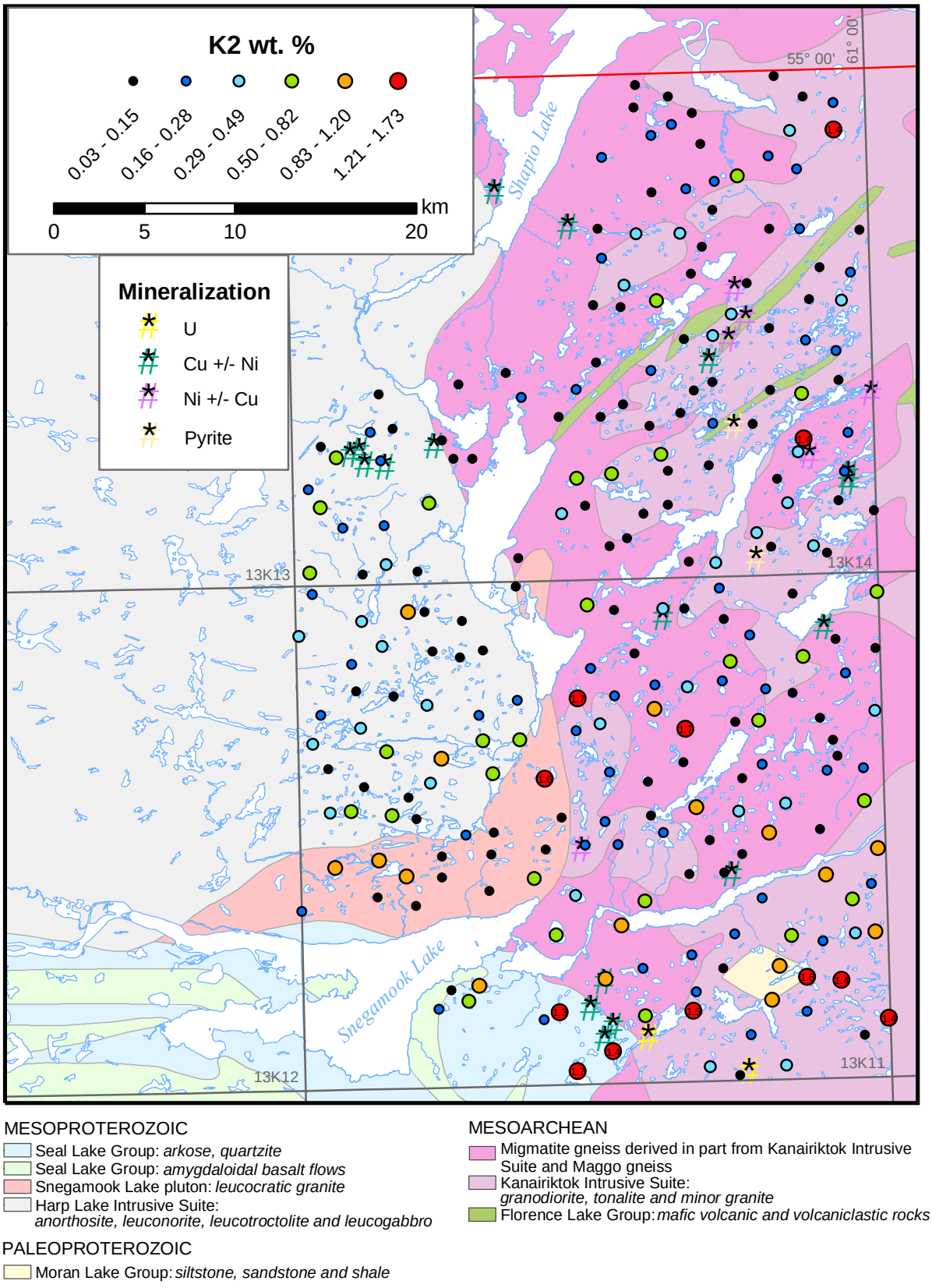


Figure 40. *Potassium (K2) in lake sediment.*

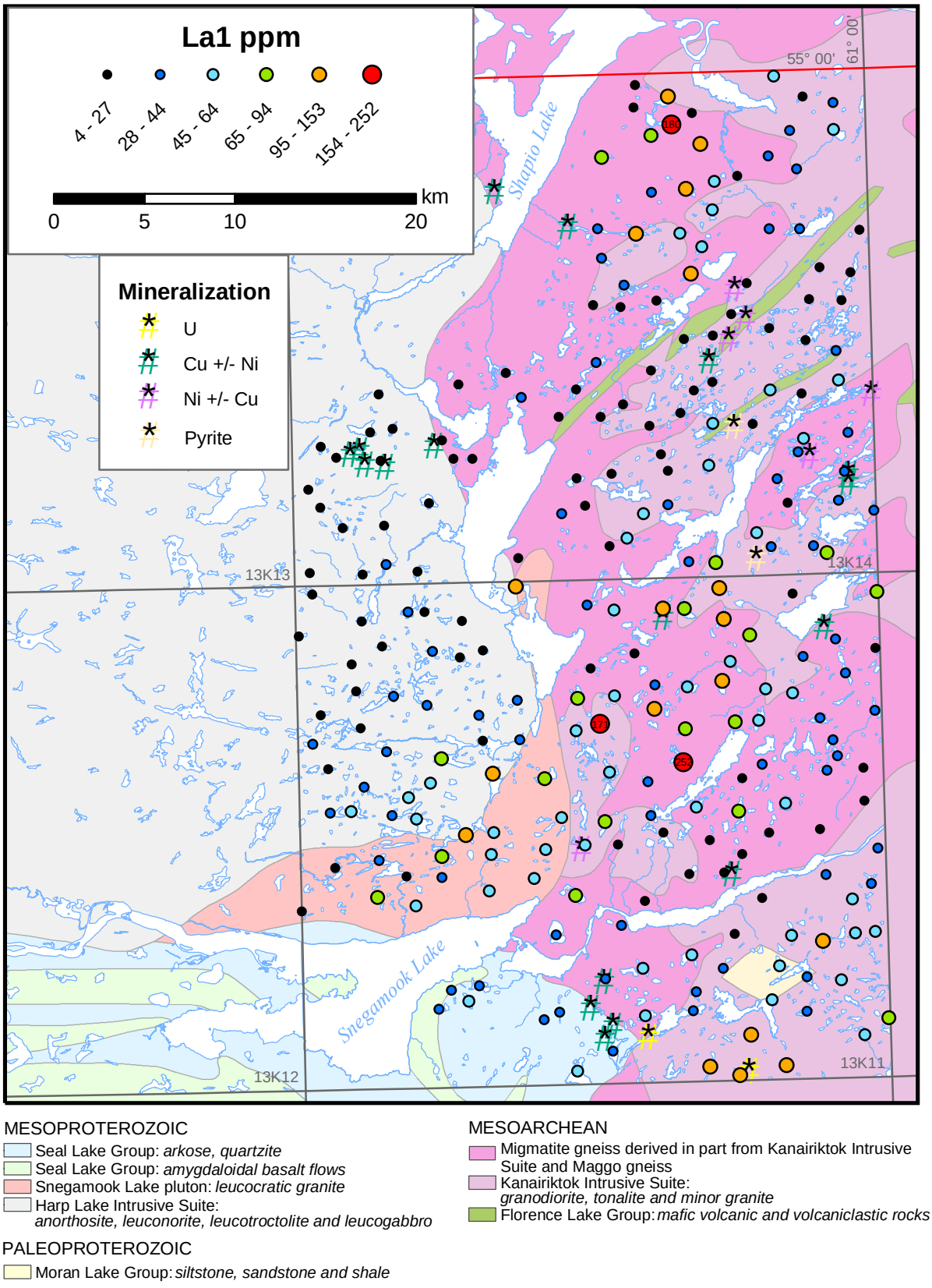
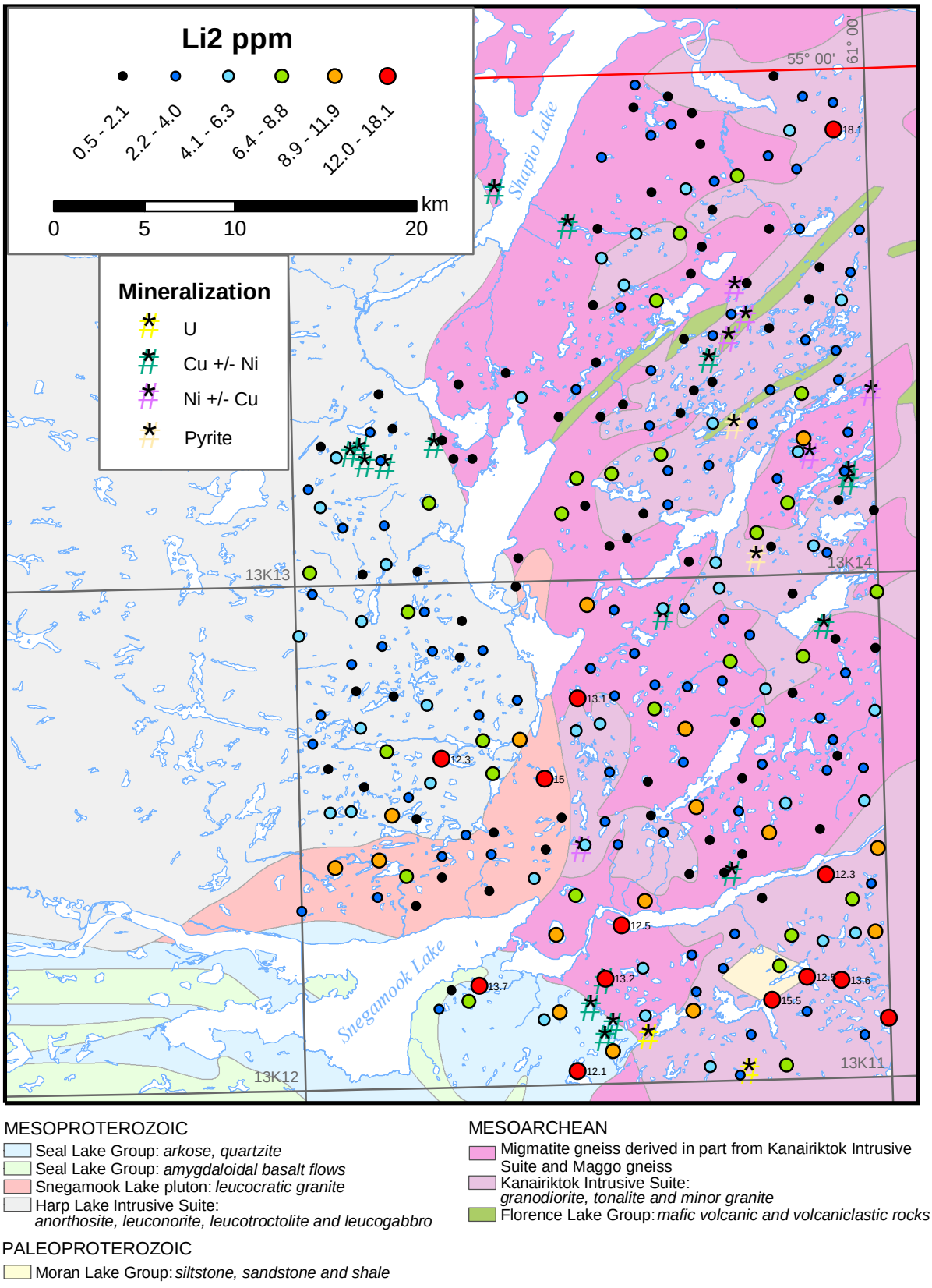


Figure 41. *Lanthanum (La1) in lake sediment.*



MESOPROTEROZOIC

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- Florence Lake Group: *mafic volcanic and volcaniclastic rocks*

Figure 42. *Lithium (Li2) in lake sediment.*

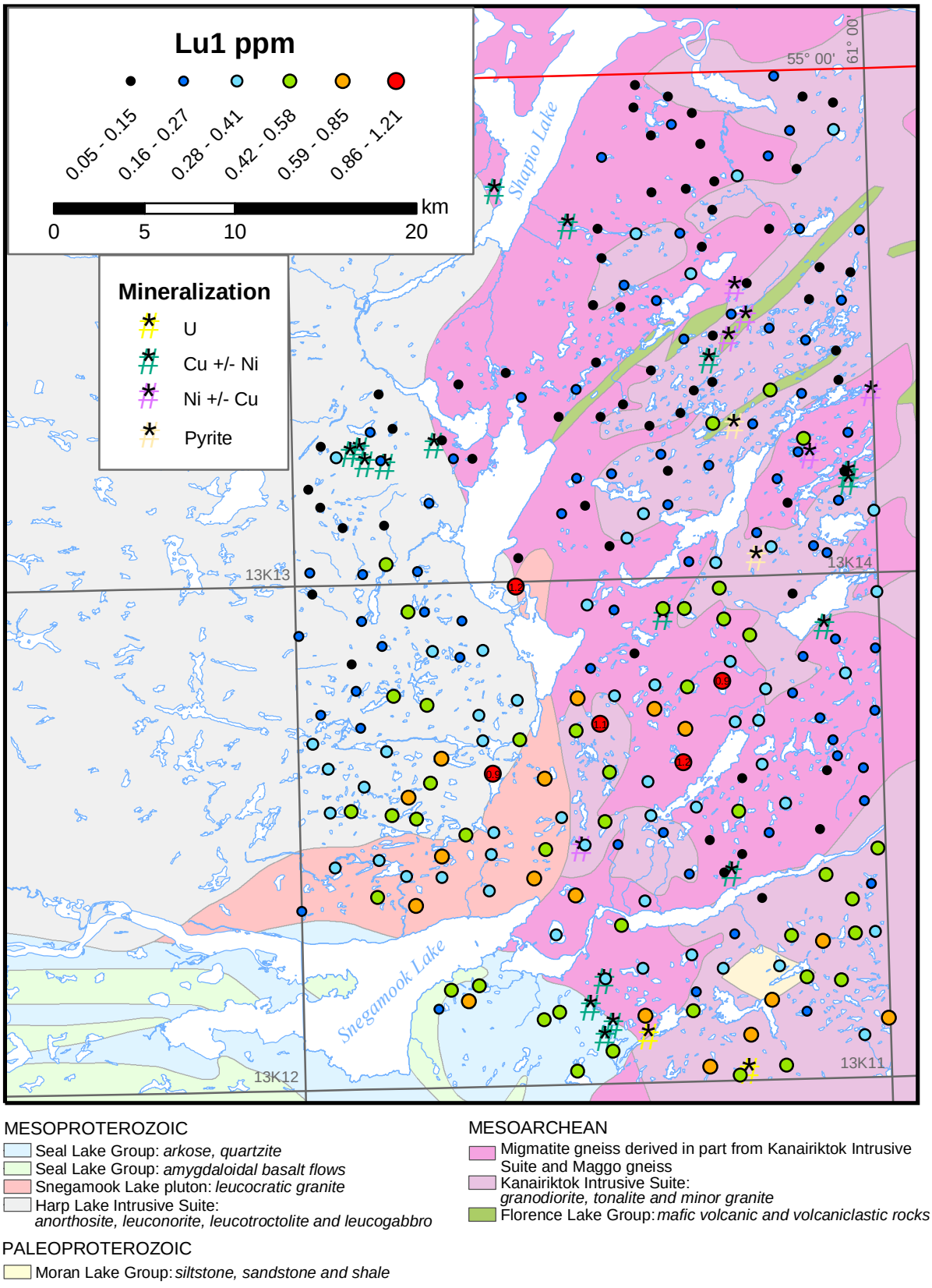


Figure 43. *Lutetium (Lu1) in lake sediment.*

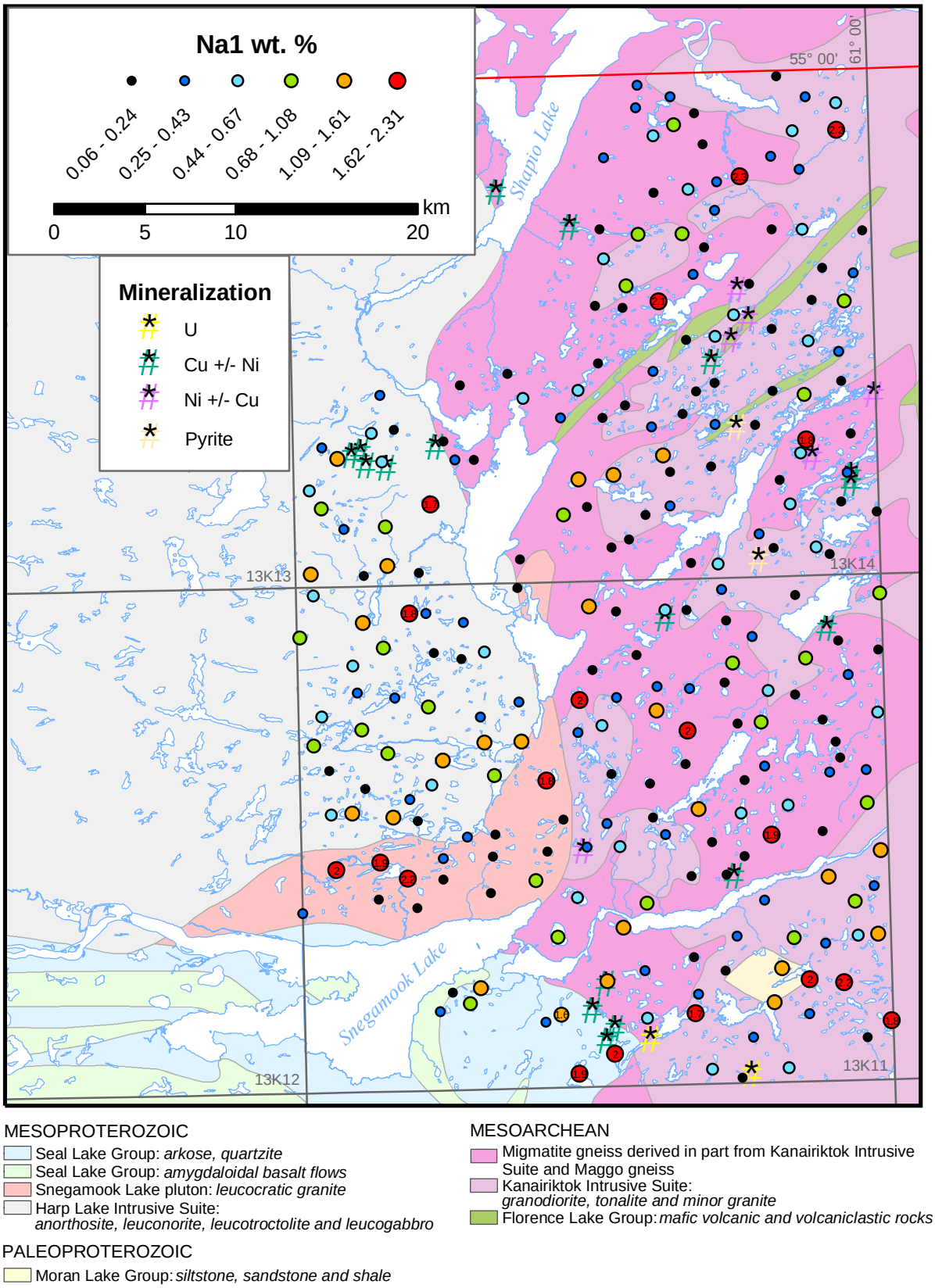


Figure 44. *Sodium (Na1) in lake sediment.*

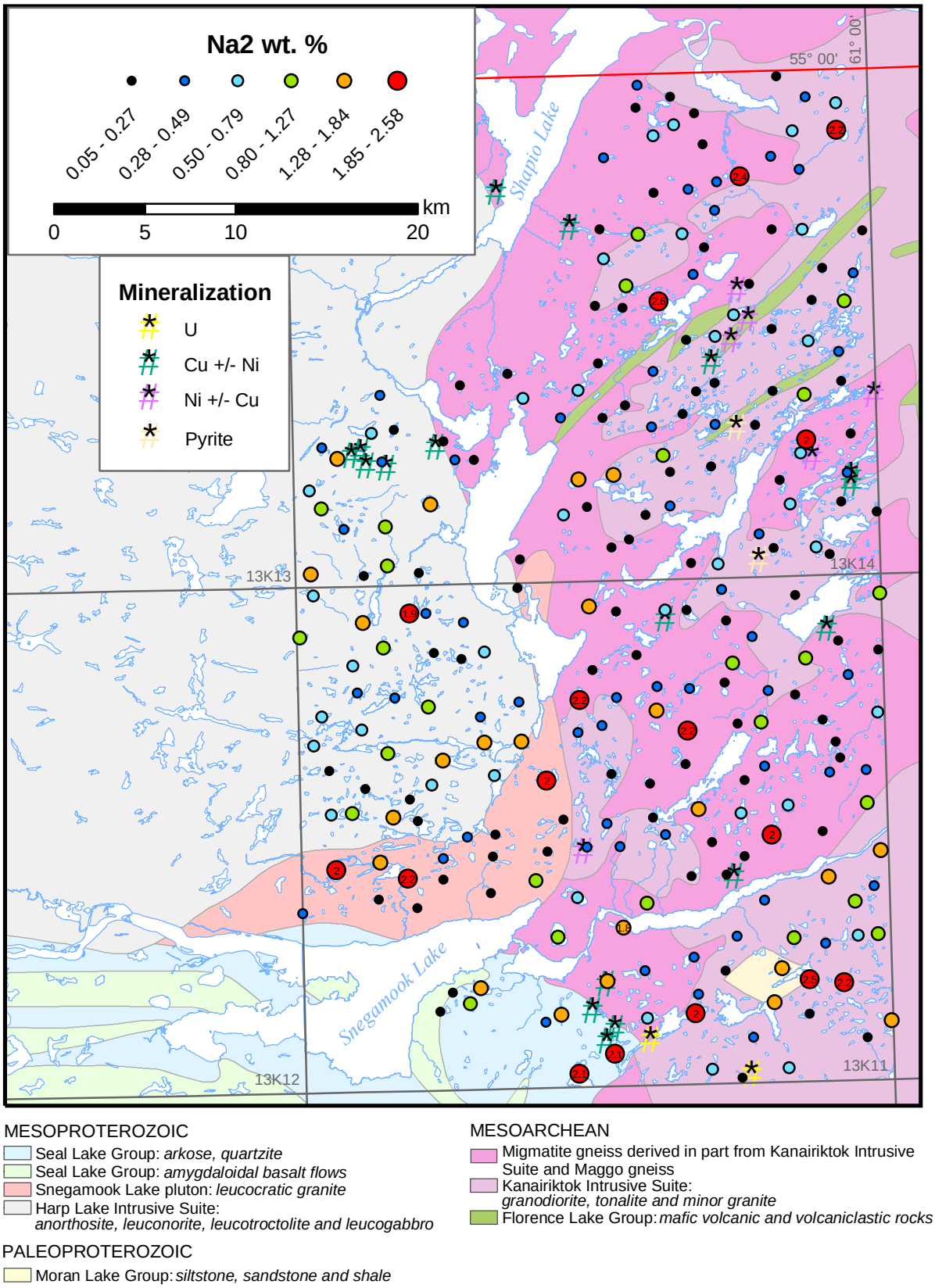


Figure 45. *Sodium (Na2) in lake sediment.*

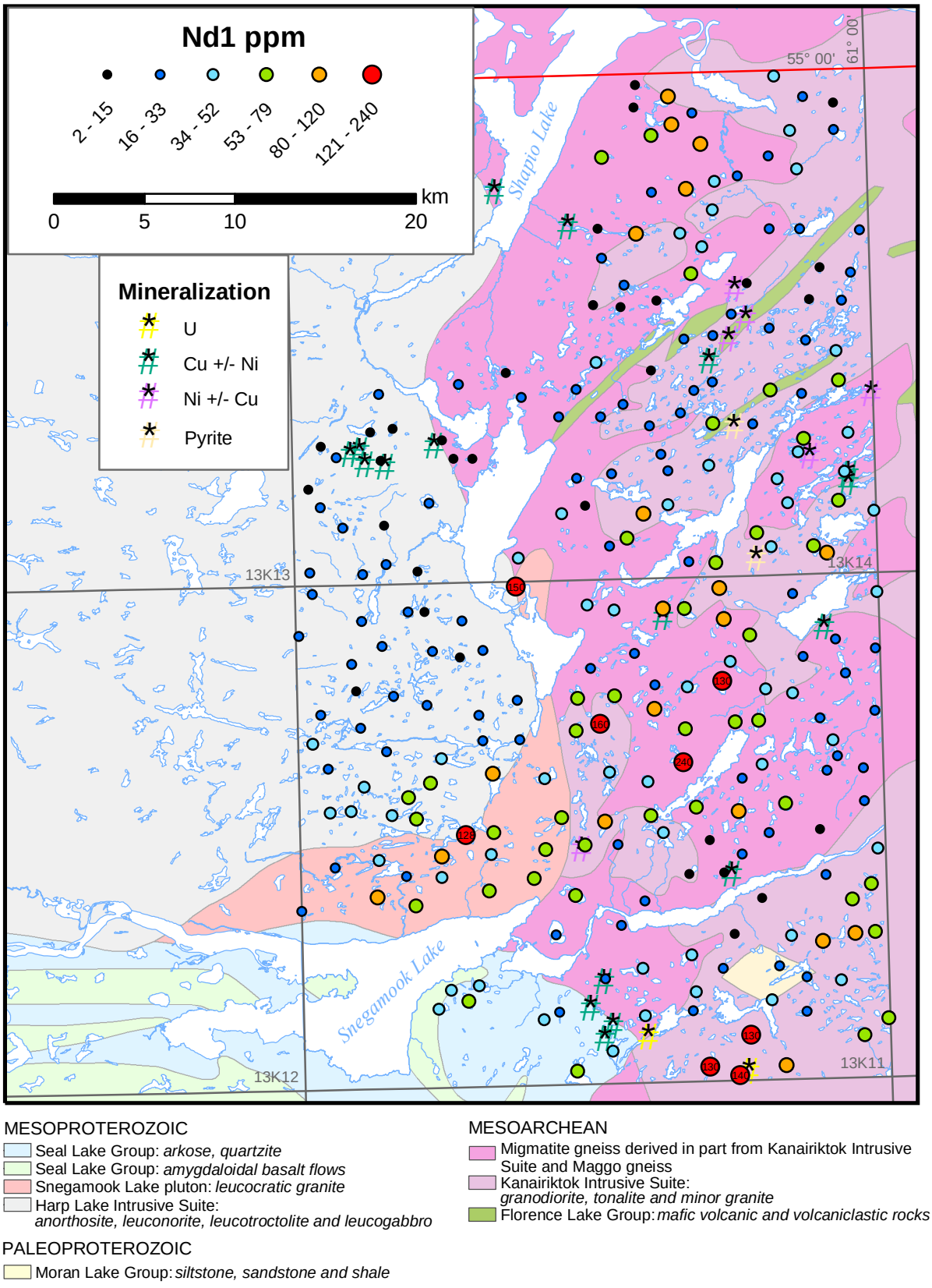


Figure 46. *Neodymium (Nd1) in lake sediment.*

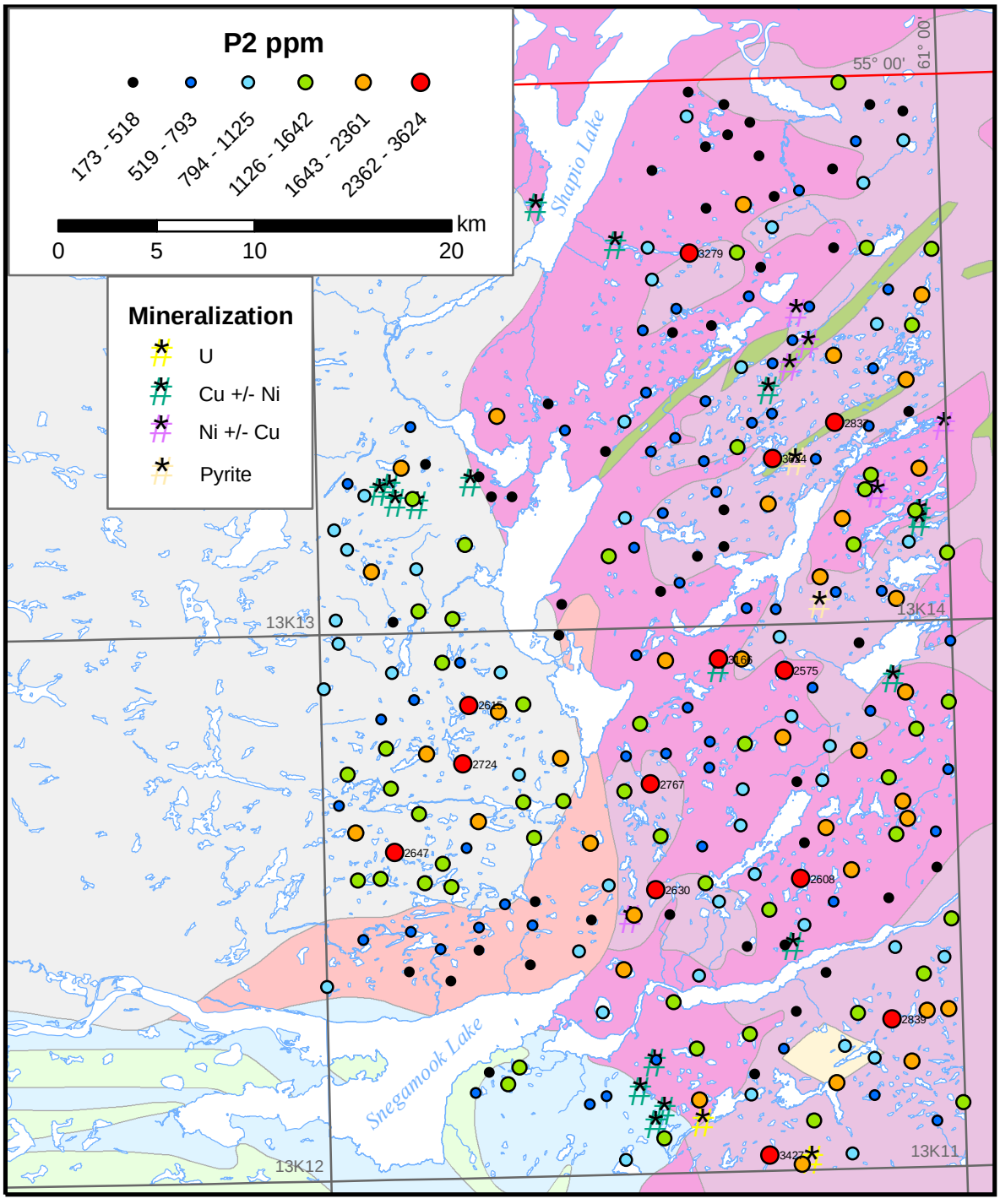
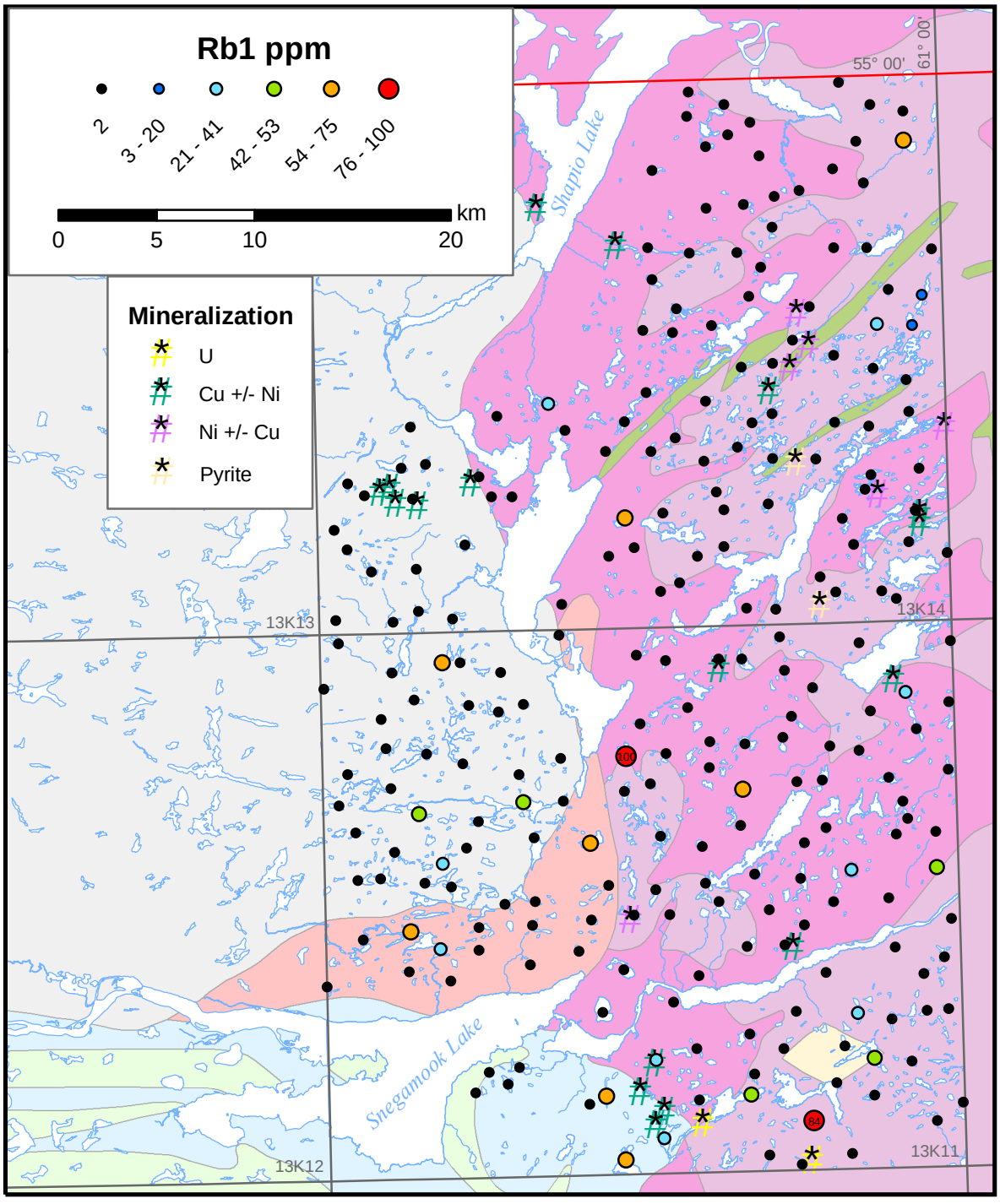


Figure 47. *Phosphorous (P2) in lake sediment.*



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PALEOPROTEROZOIC

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- Kanairiktok Intrusive Suite: *granodiorite, tonalite and minor granite*
- Florence Lake Group: *mafic volcanic and volcaniclastic rocks*

Figure 48. *Rubidium (Rb1) in lake sediment.*

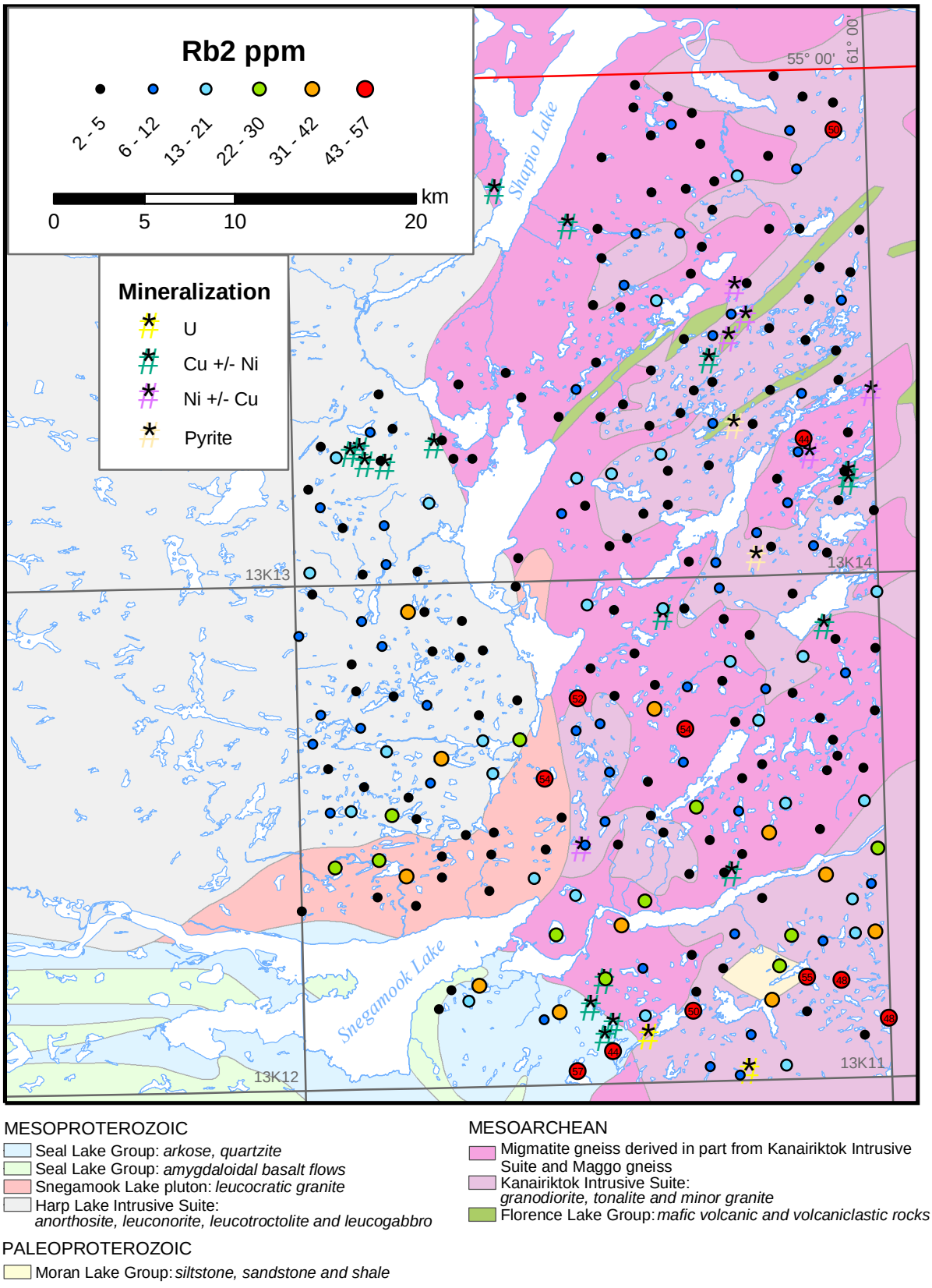

Figure 49. *Rubidium (Rb2) in lake sediment.*

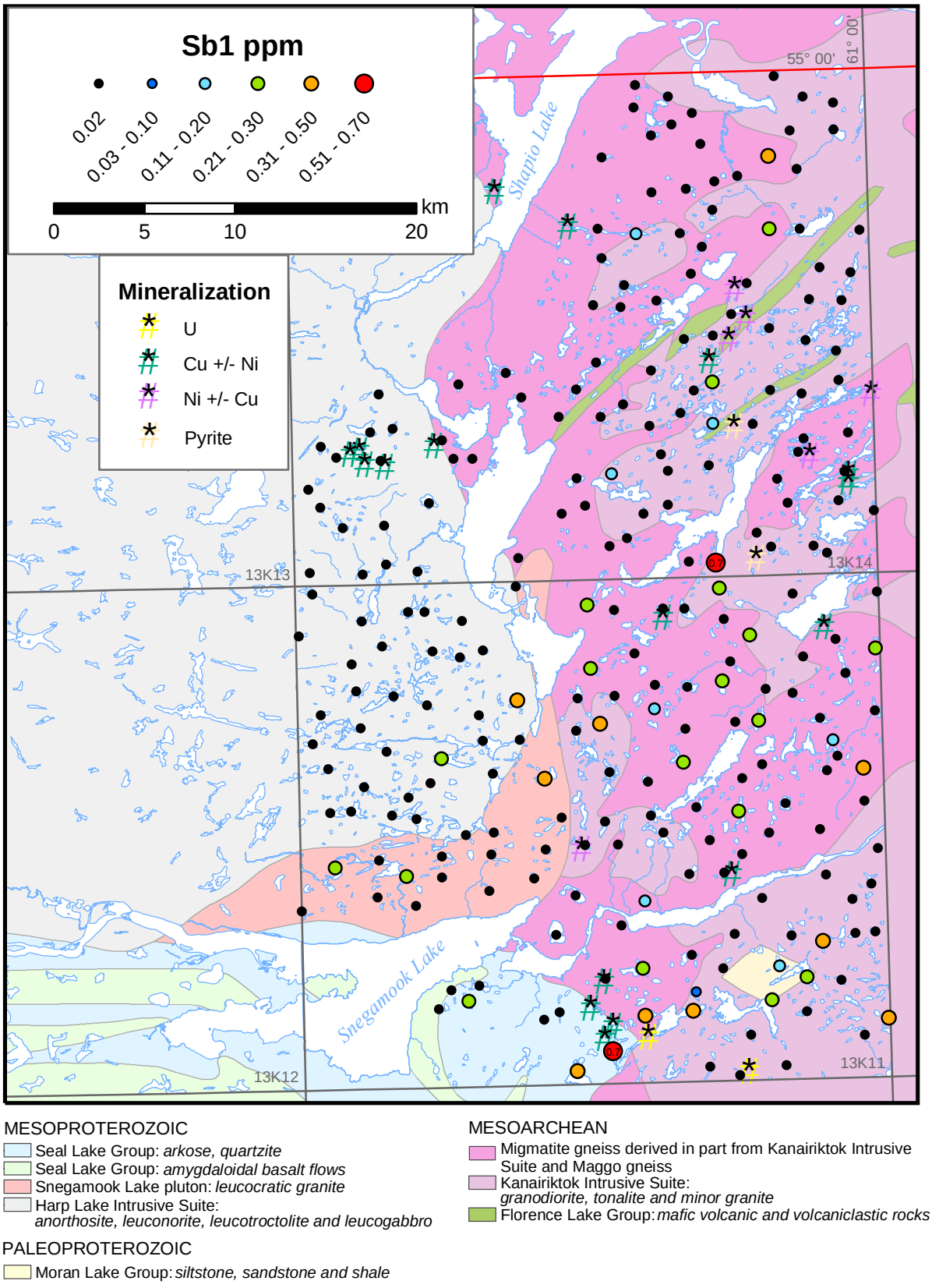

Figure 50. *Antimony (Sb1) in lake sediment.*

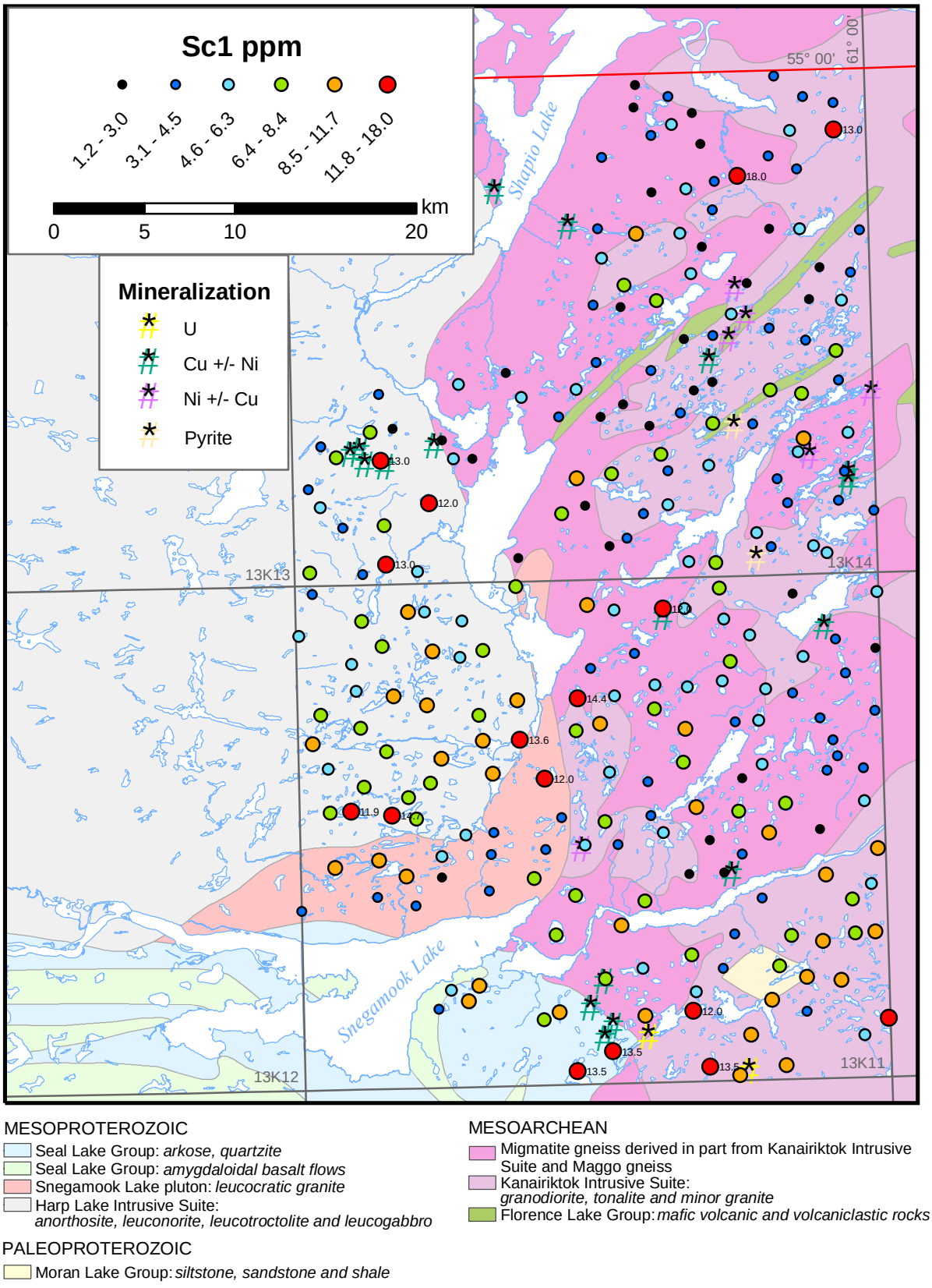

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Figure 51. *Scandium (Sc1) in lake sediment.*

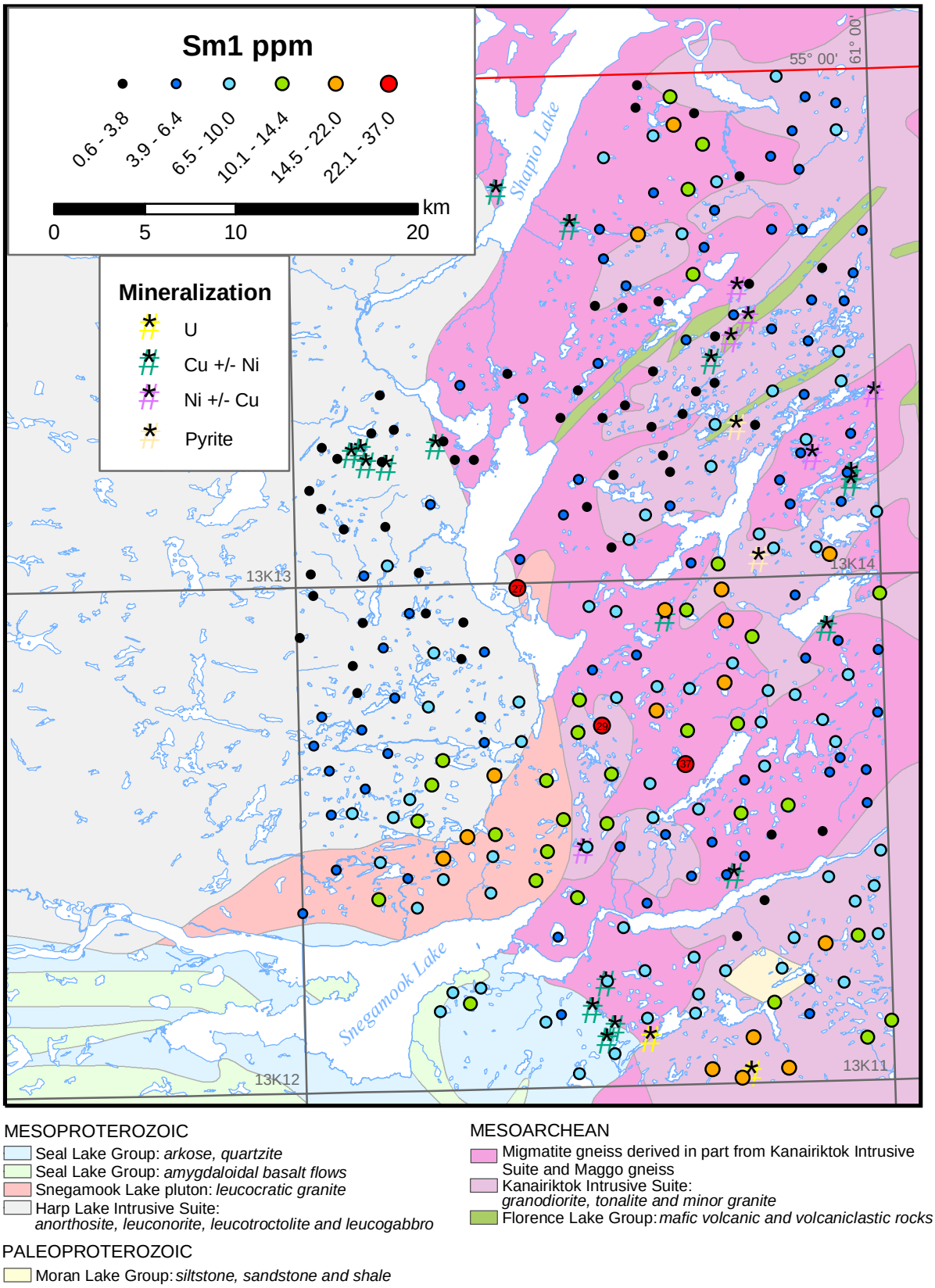

Figure 52. *Samarium (Sm1) in lake sediment.*

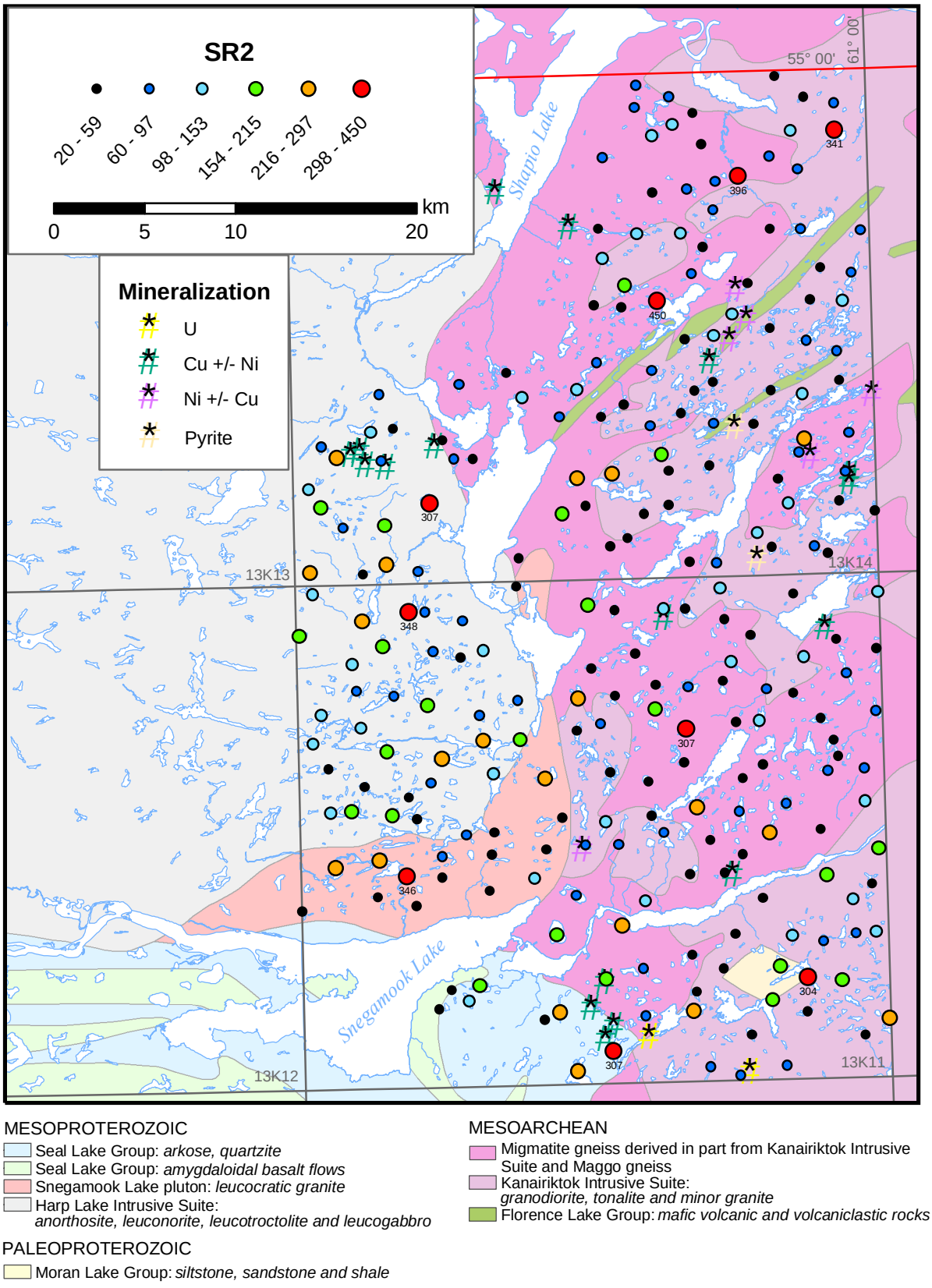

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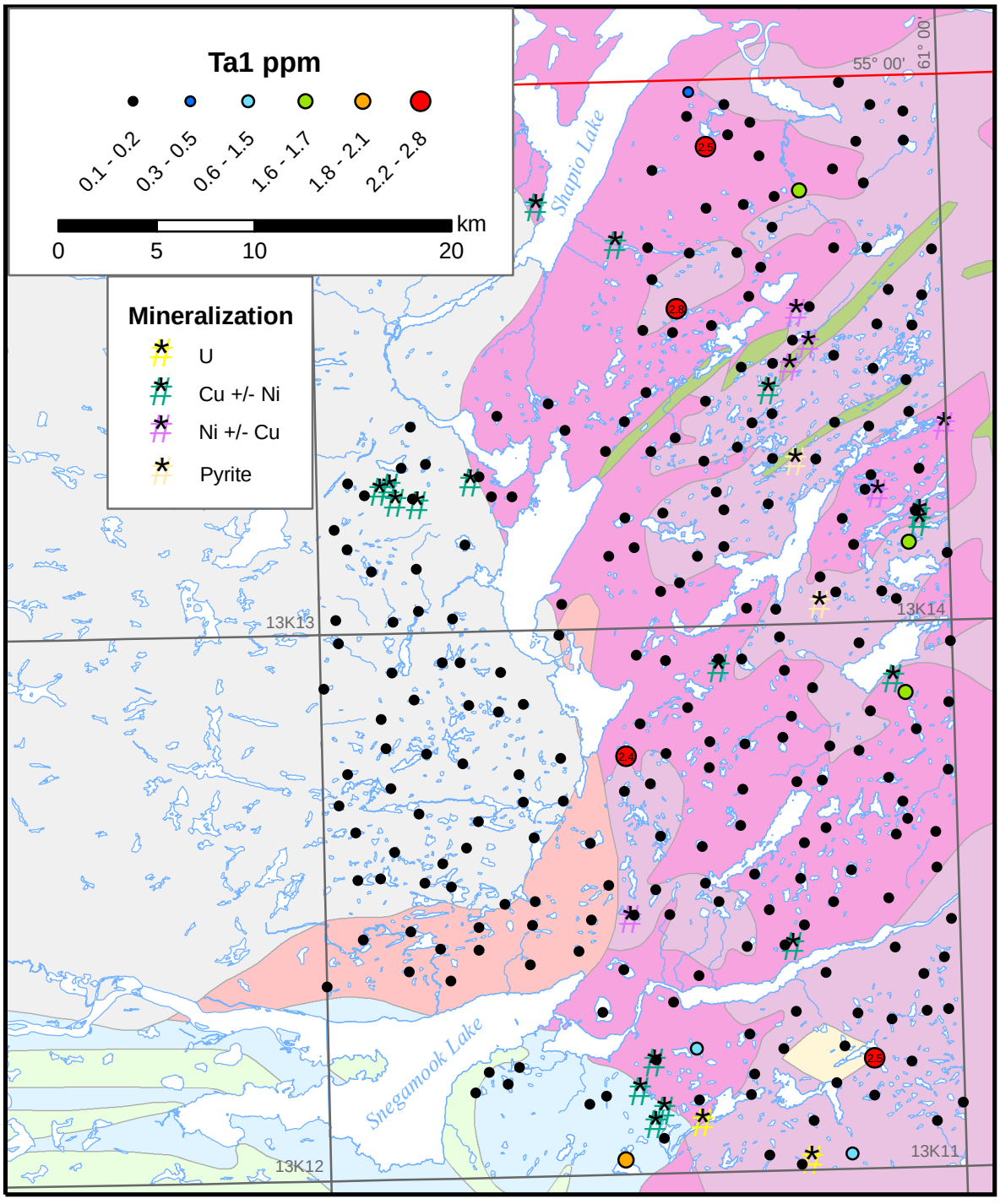
Figure 53. *Strontium (Sr2) in lake sediment.*



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- Kanairiktok Intrusive Suite: *granodiorite, tonalite and minor granite*
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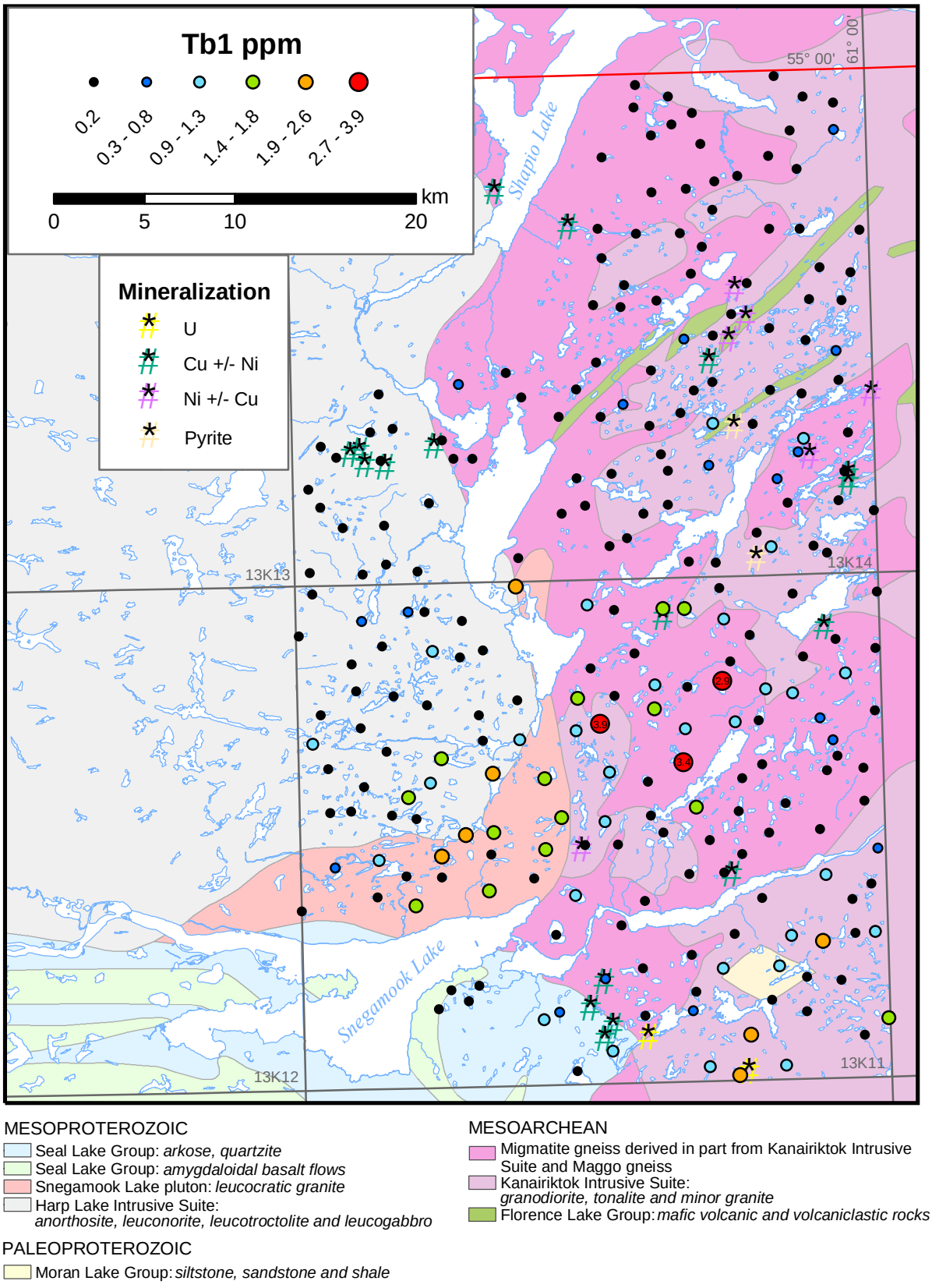
Figure 54. *Tantalum (Ta1) in lake sediment.*



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- Florence Lake Group: *mafic volcanic and volcaniclastic rocks*

Figure 55. *Terbium (Tb1) in lake sediment.*

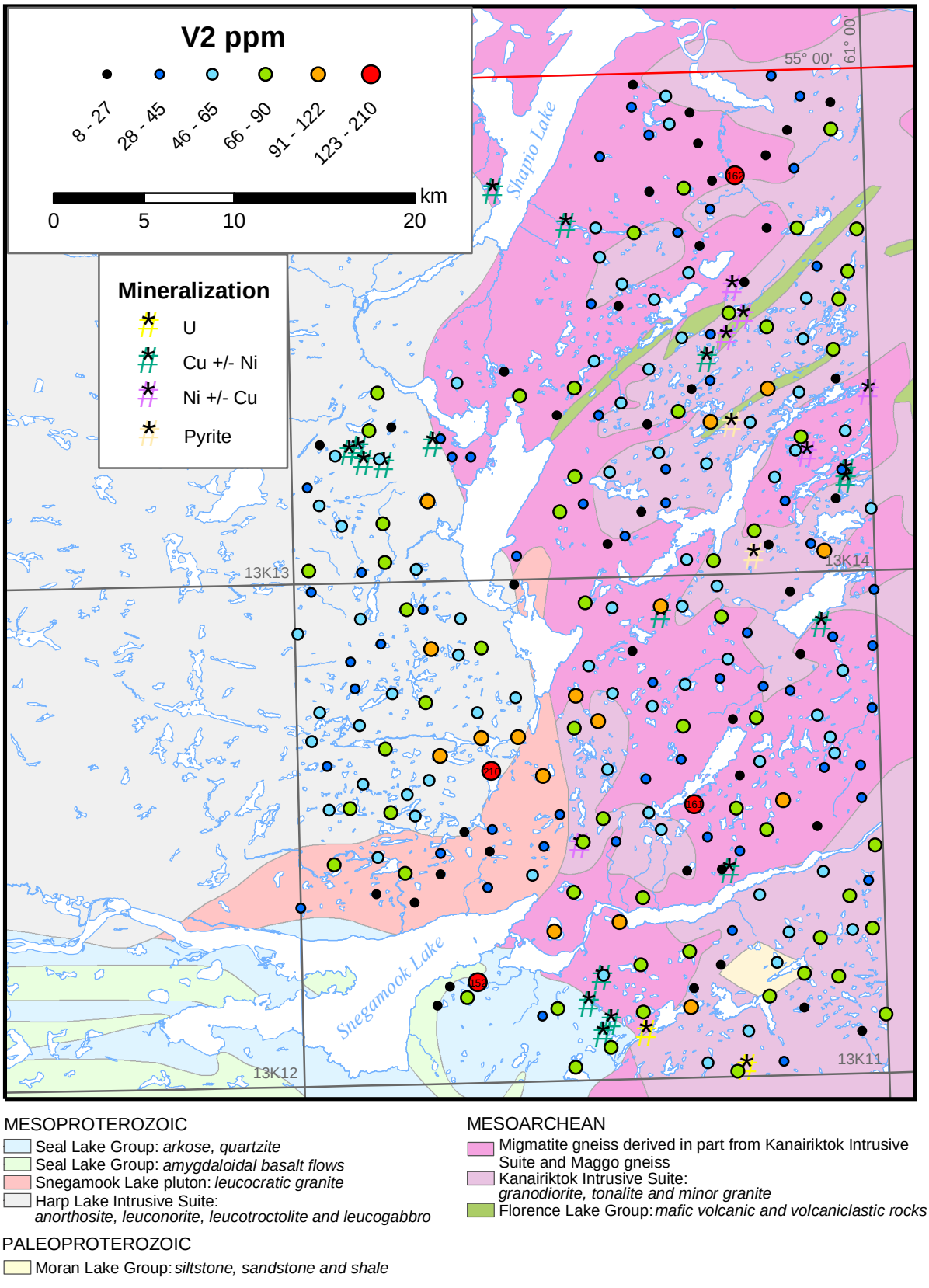


Figure 56. *Vanadium (V2) in lake sediment.*

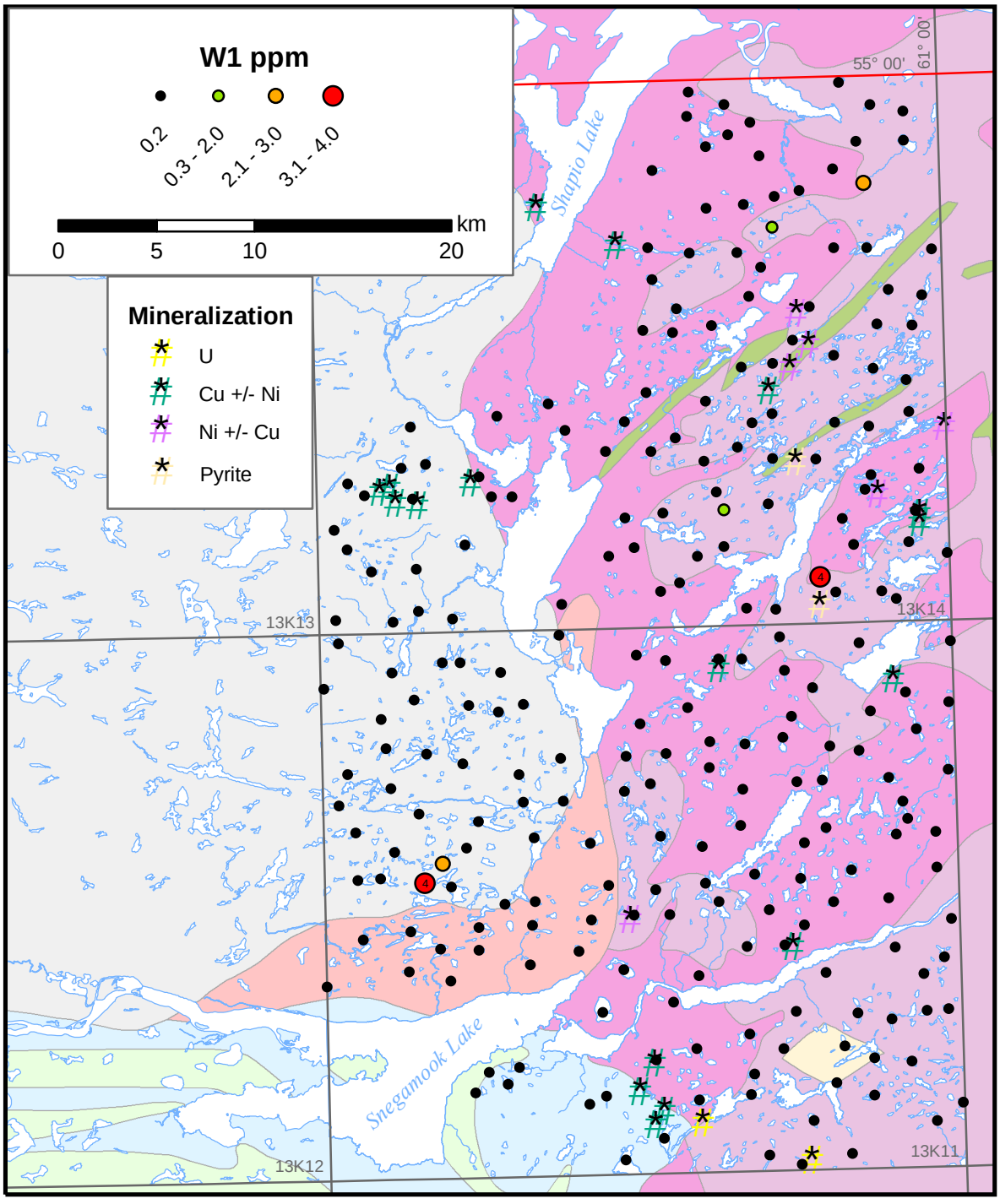


Figure 57. *Tungsten (W1) in lake sediment.*

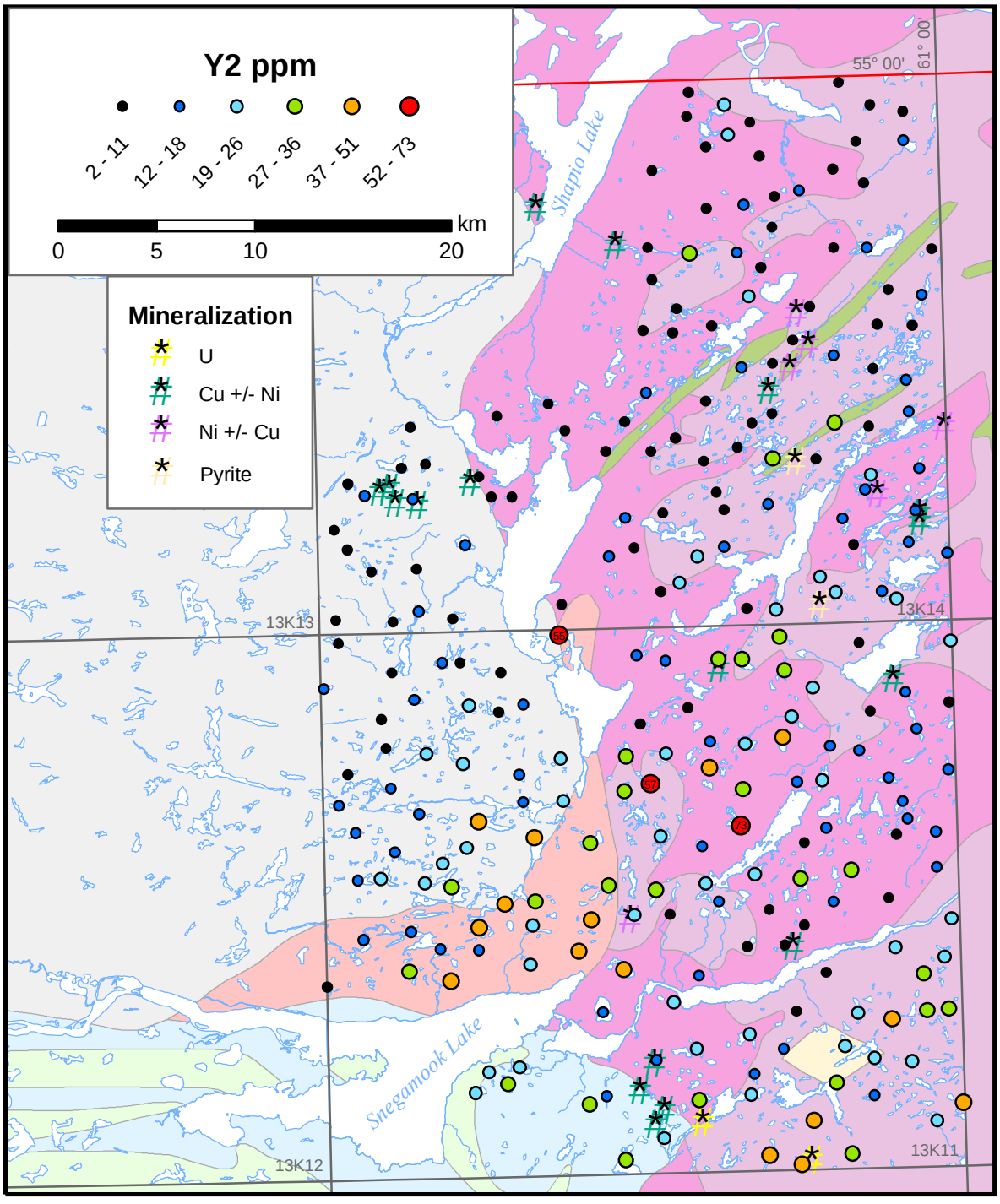
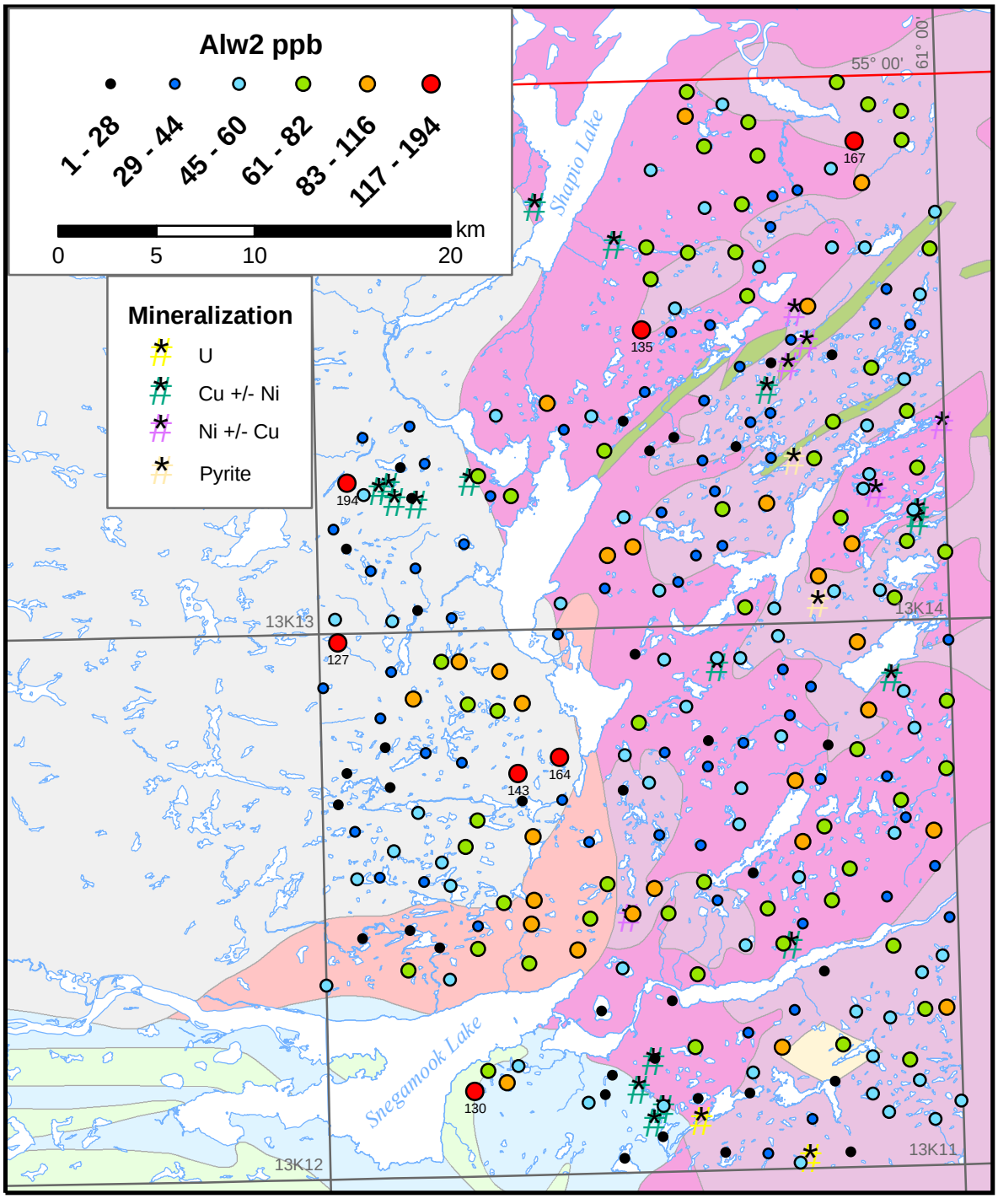


Figure 58. *Yttrium (Y2) in lake sediment.*



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- Kanairiktok Intrusive Suite: *granodiorite, tonalite and minor granite*
- Florence Lake Group: *mafic volcanic and volcaniclastic rocks*

Figure 59. *Aluminum (Alw2) in lake water.*

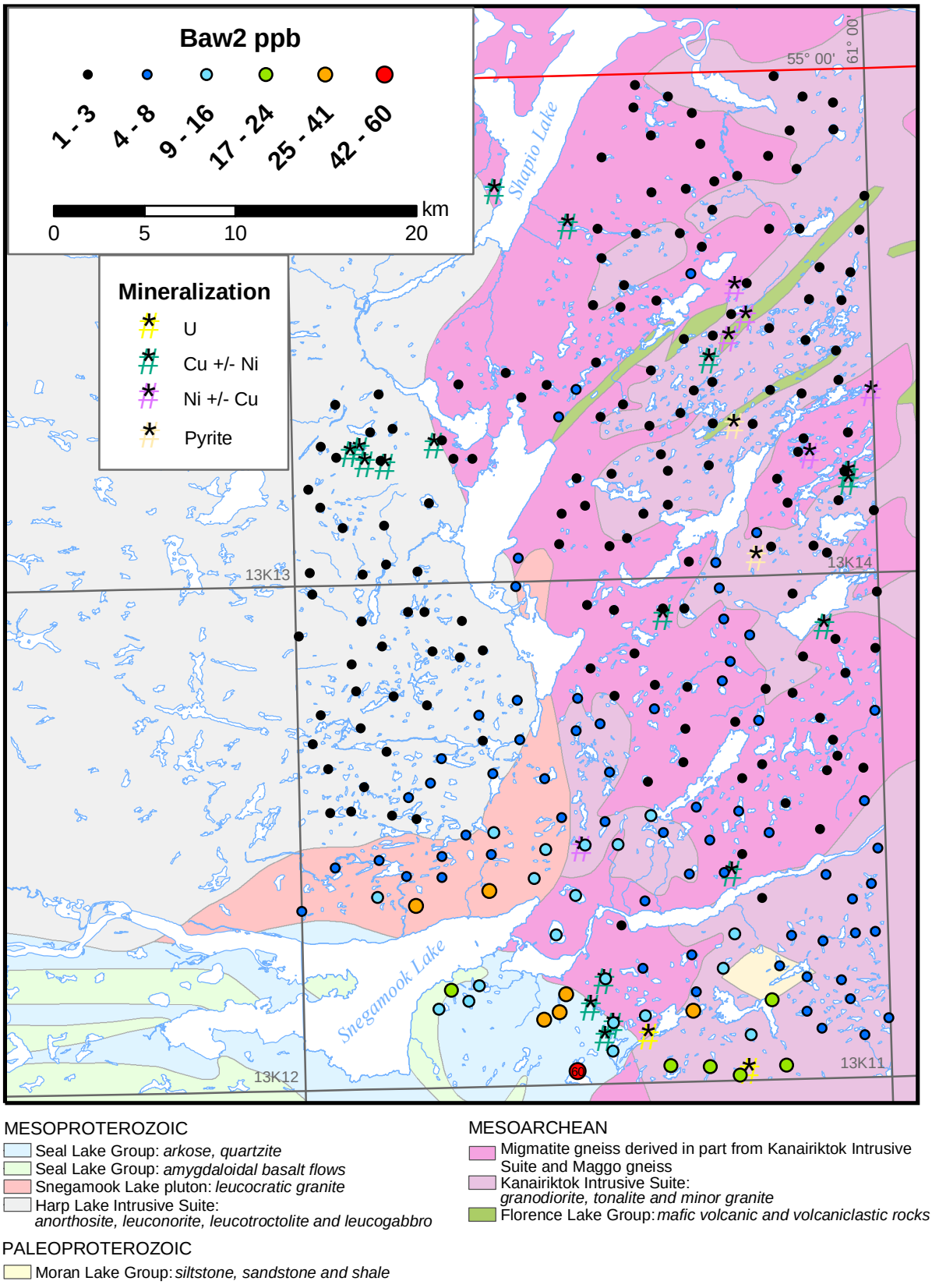

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Figure 60. *Barium (Baw2) in lake water.*

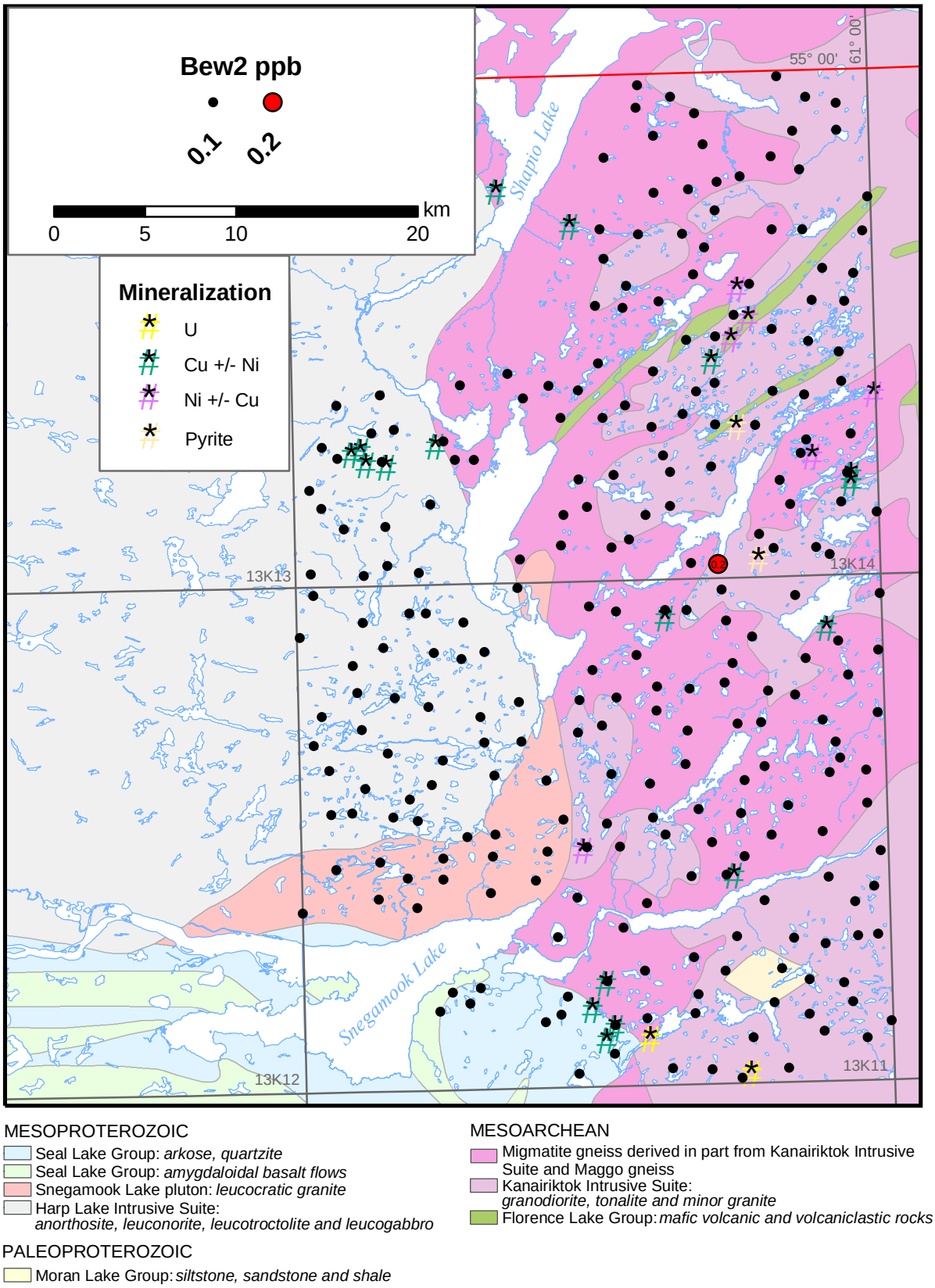

Figure 61. *Beryllium (Bew2) in lake water.*

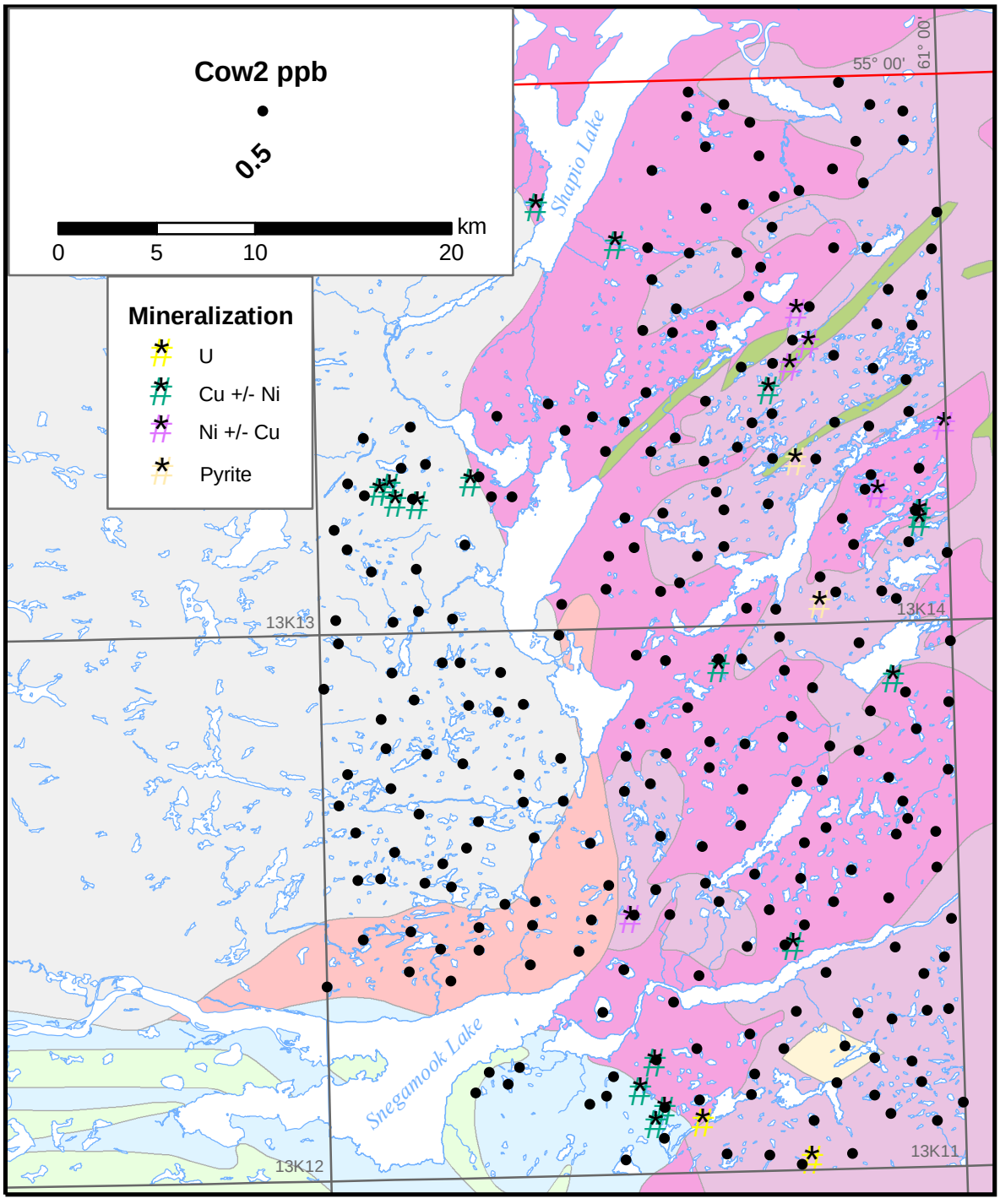

Figure 62. *Cobalt (Cow2) in lake water.*

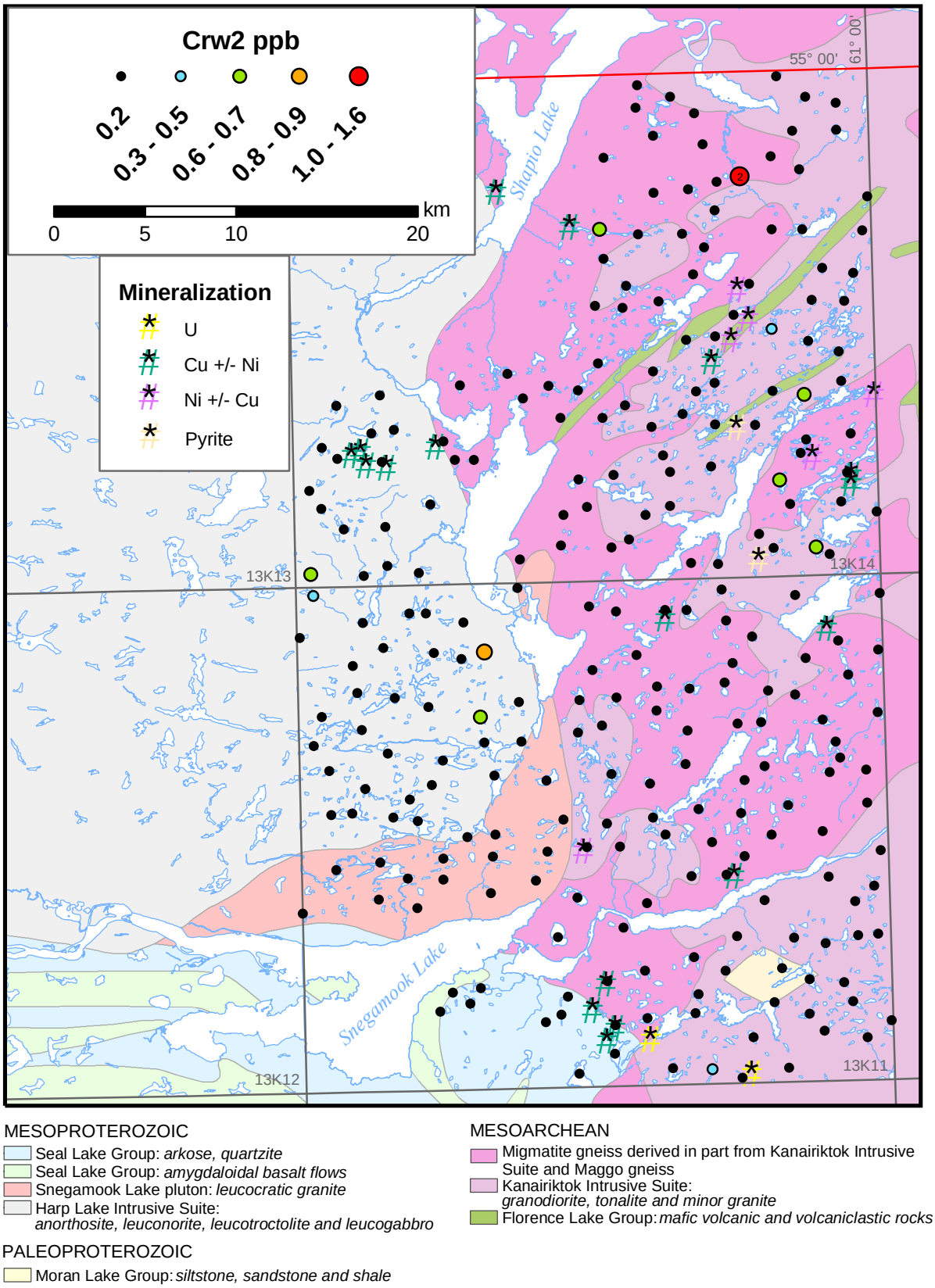

Figure 63. *Chromium (Crw2) in lake water.*

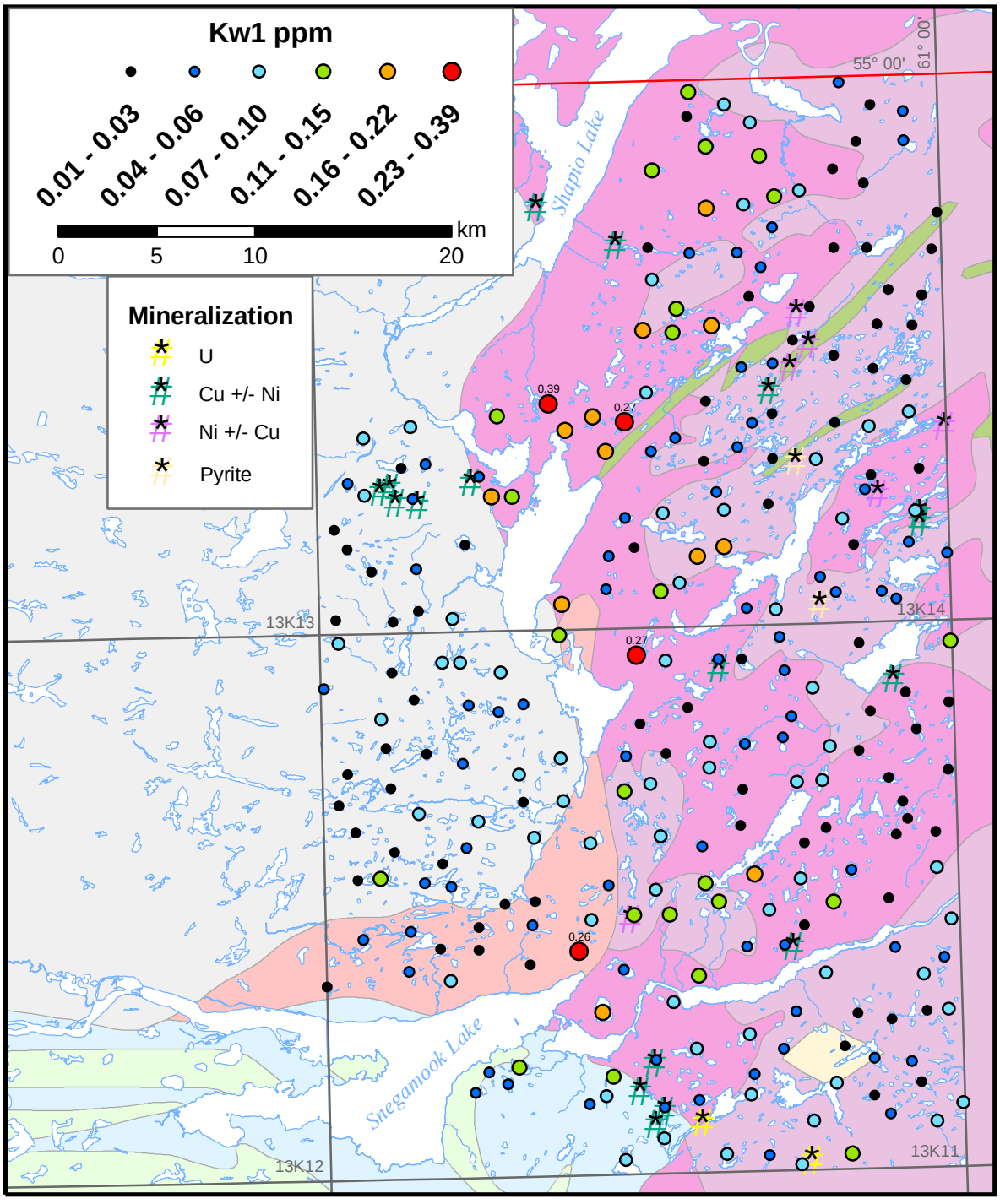

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Figure 64. *Potassium (Kw1) in lake water.*

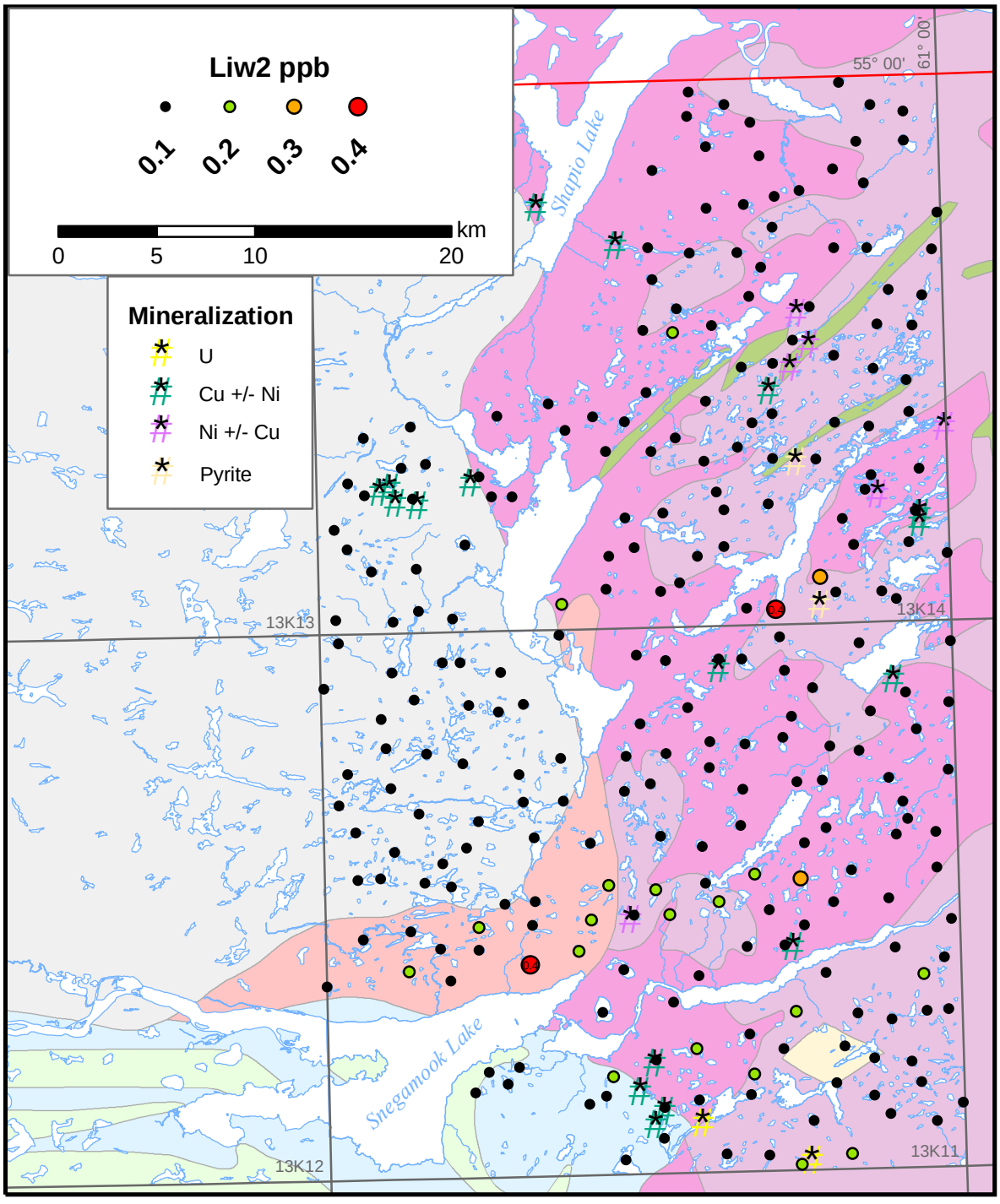

Figure 65. *Lithium (Liw2) in lake water.*

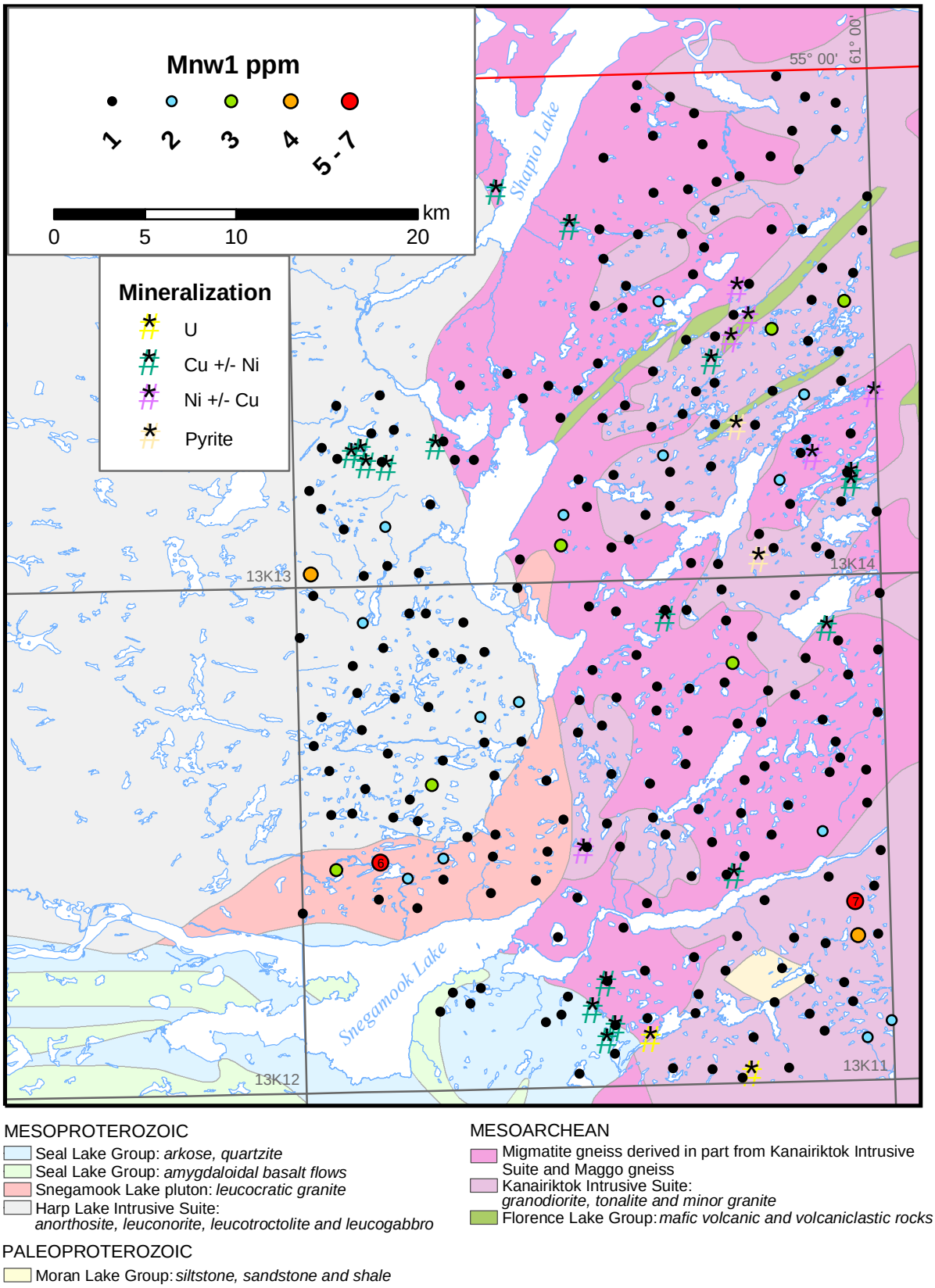

Figure 66. *Manganese (Mnw1) in lake water.*

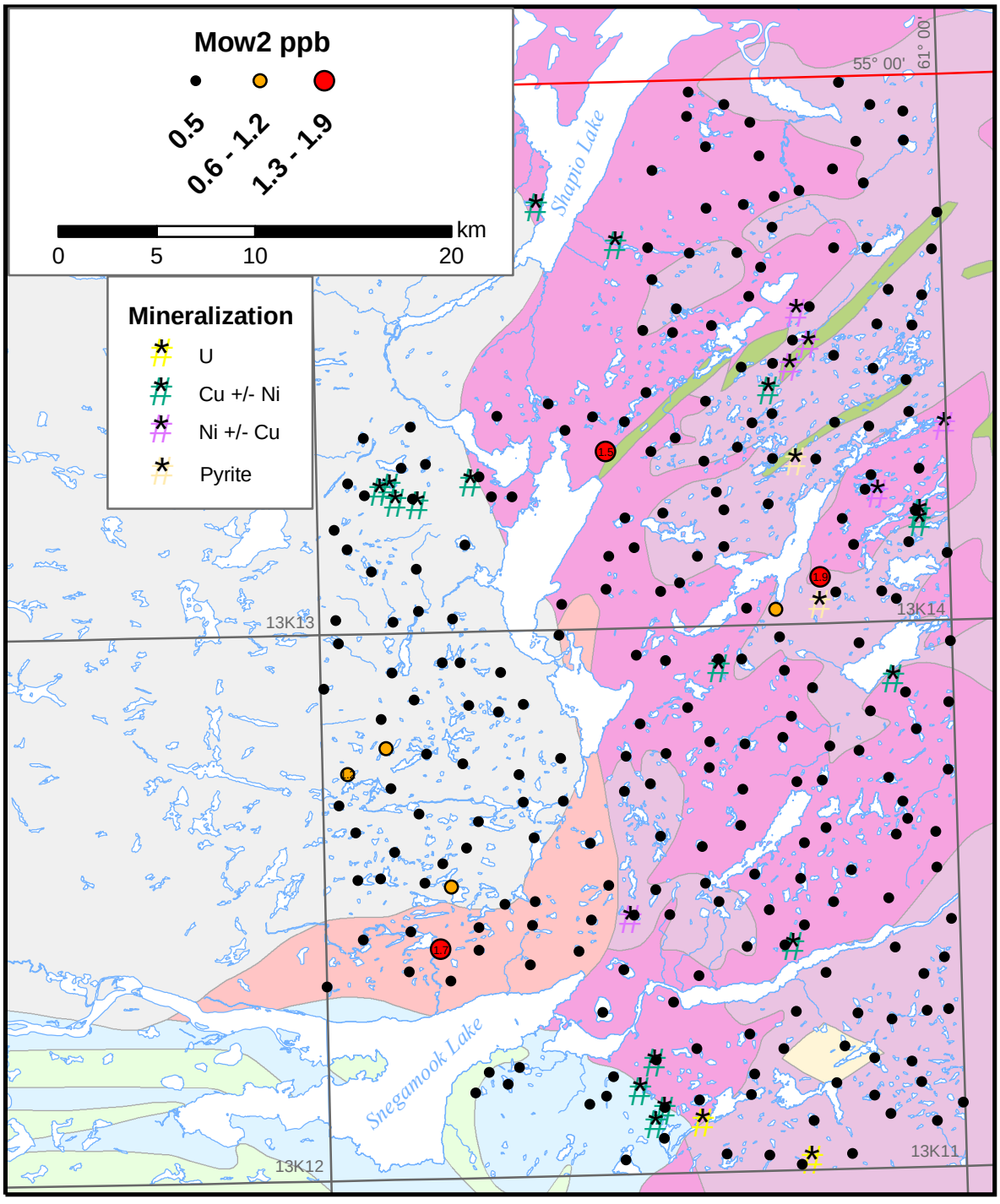

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Figure 67. *Molybdenum (Mow2) in lake water.*

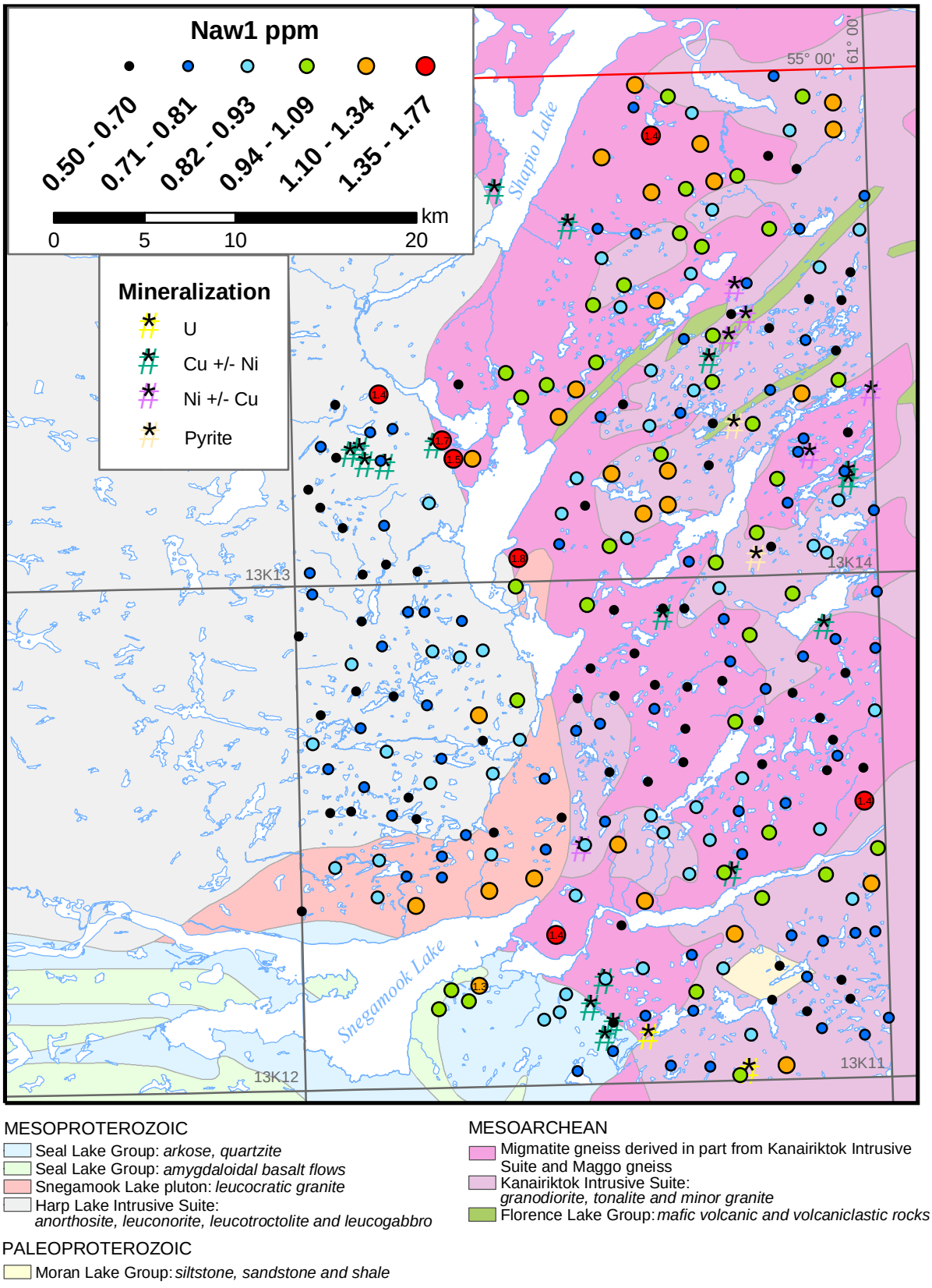

Figure 68. *Sodium (Naw1) in lake water.*

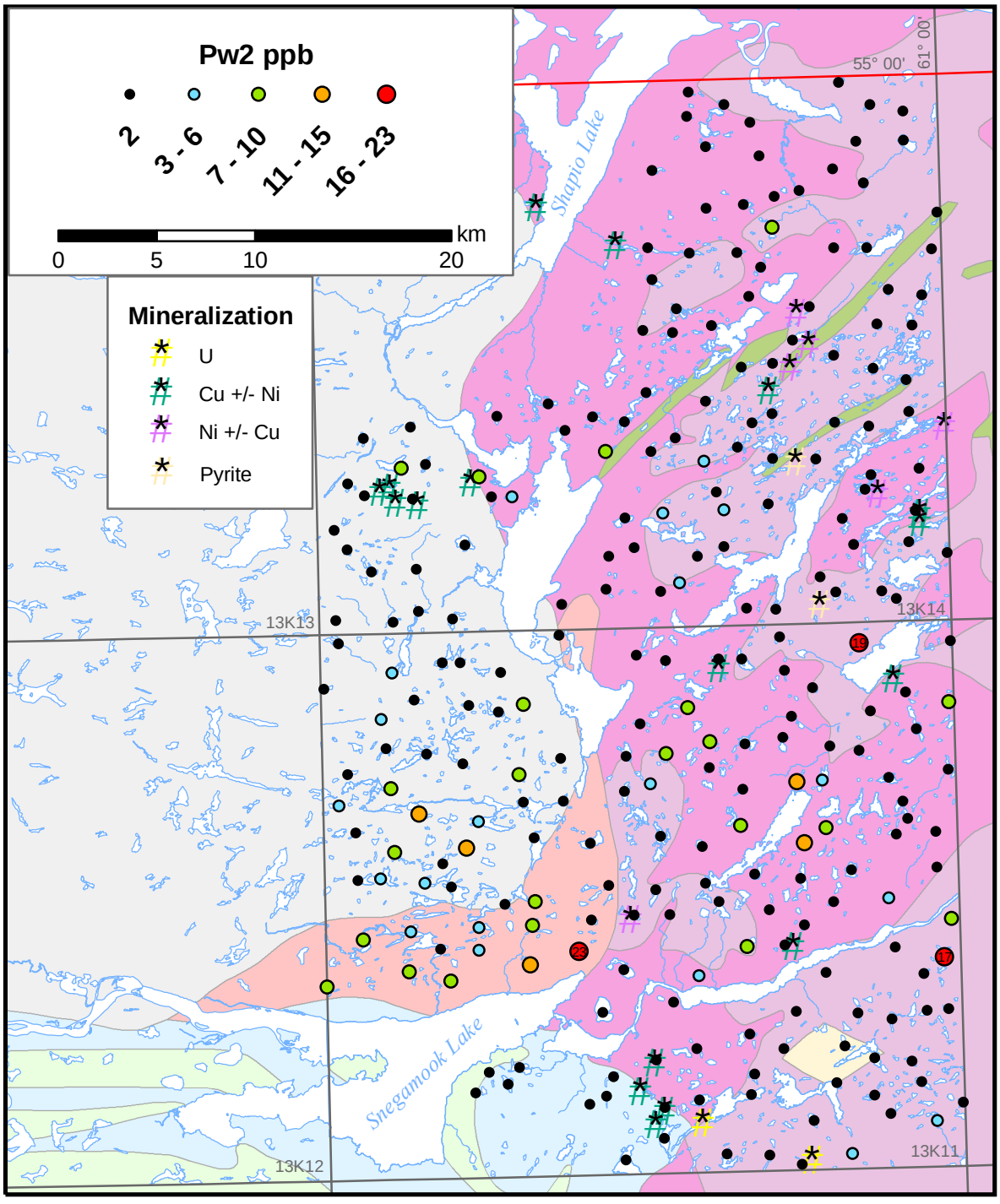

Figure 69. *Phosphorous (Pw2) in lake water.*

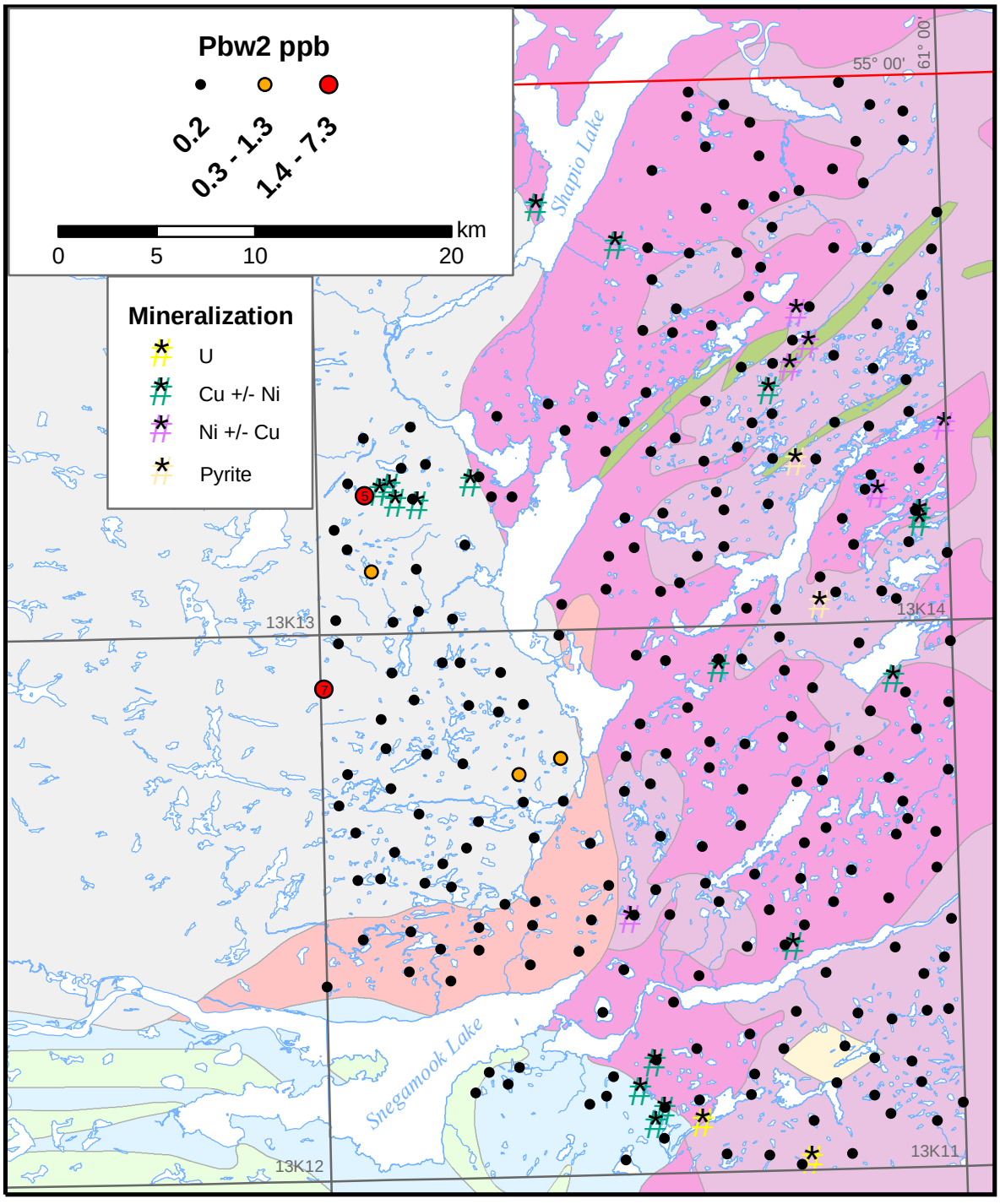

Figure 70. *Lead (Pbw2) in lake water.*

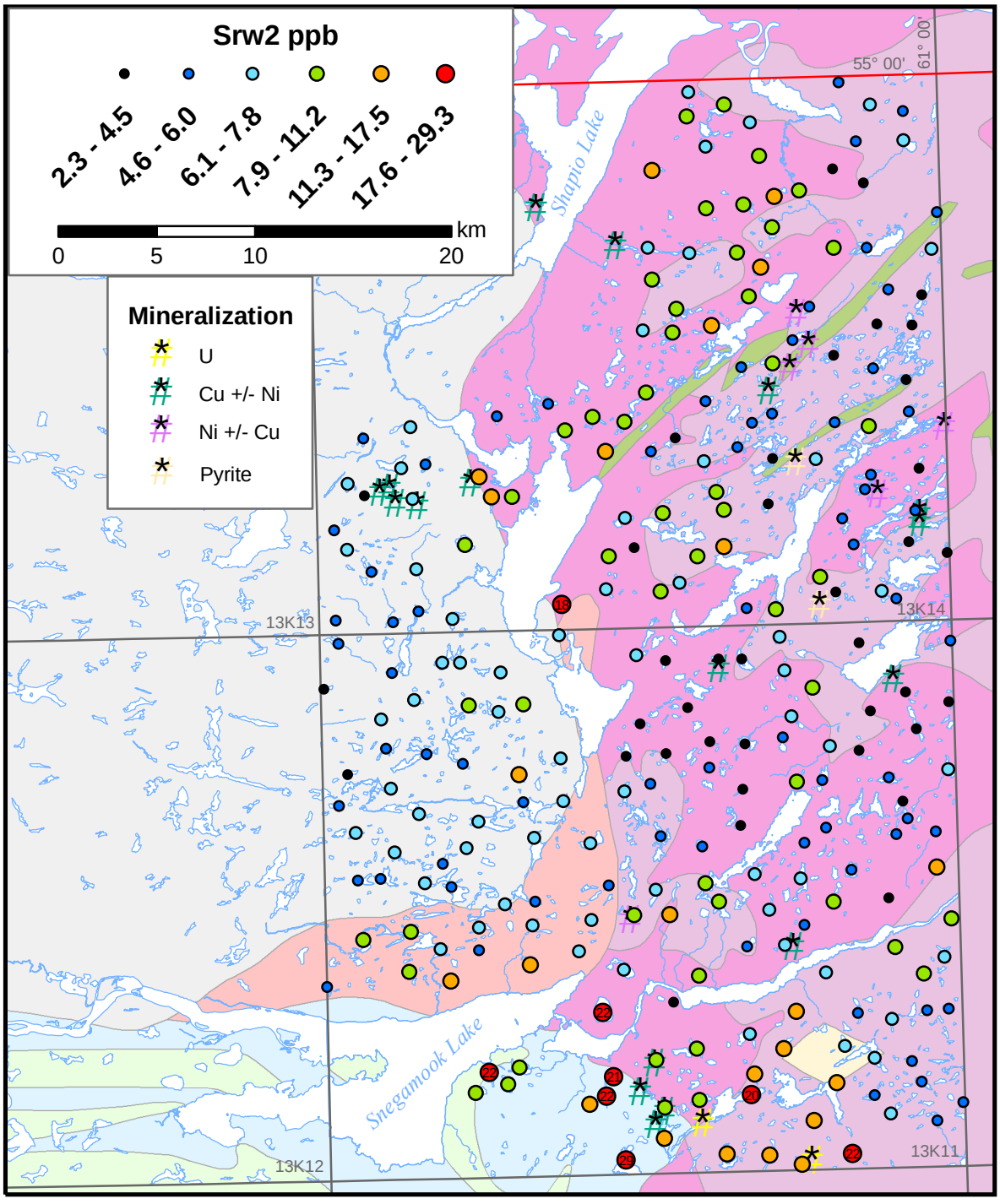

Figure 71. *Strontium (Srw2) in lake water.*

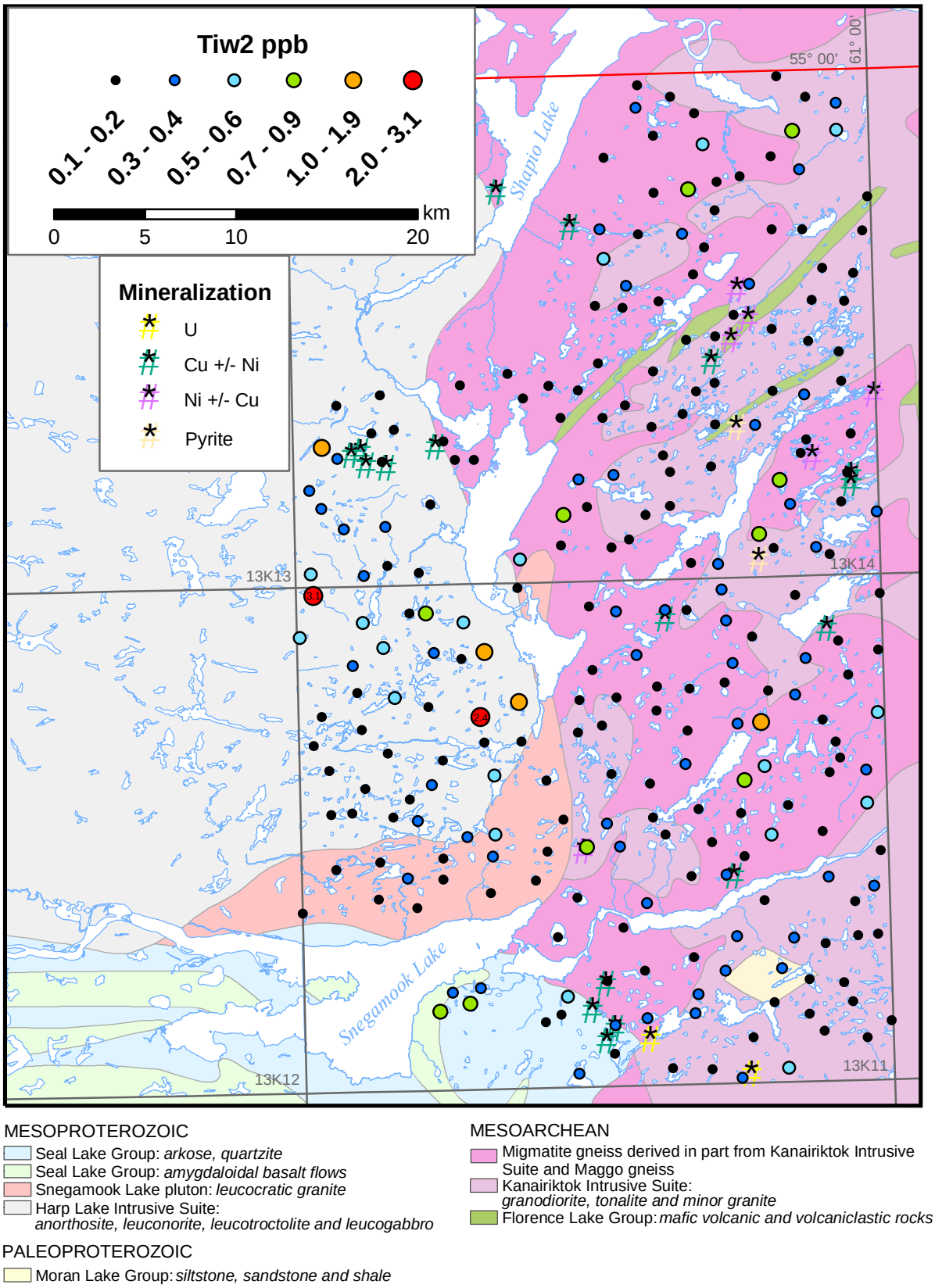

Figure 72. *Titanium (Tiw2) in lake water.*

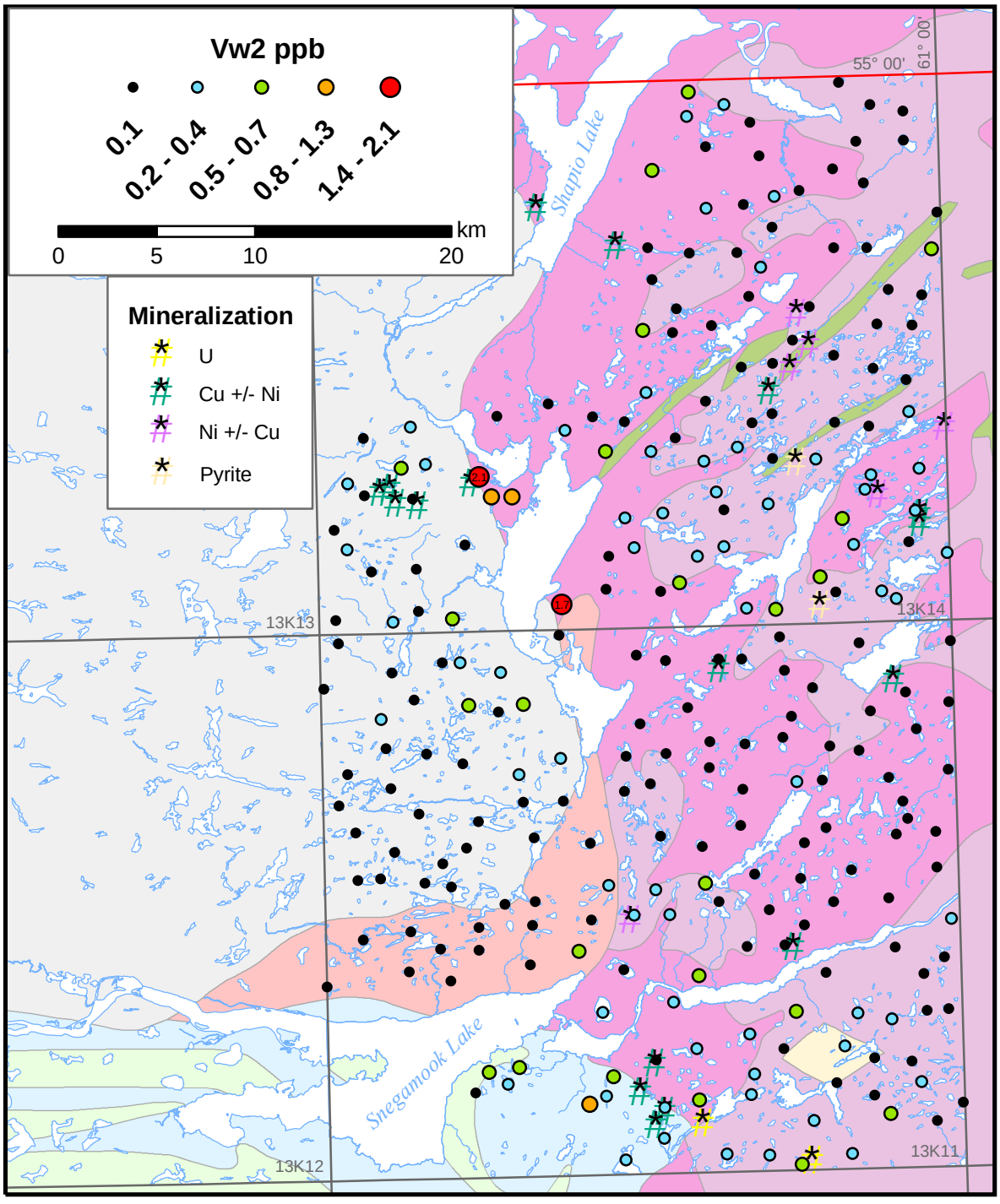

Figure 73. *Vanadium (Vw2) in lake water.*

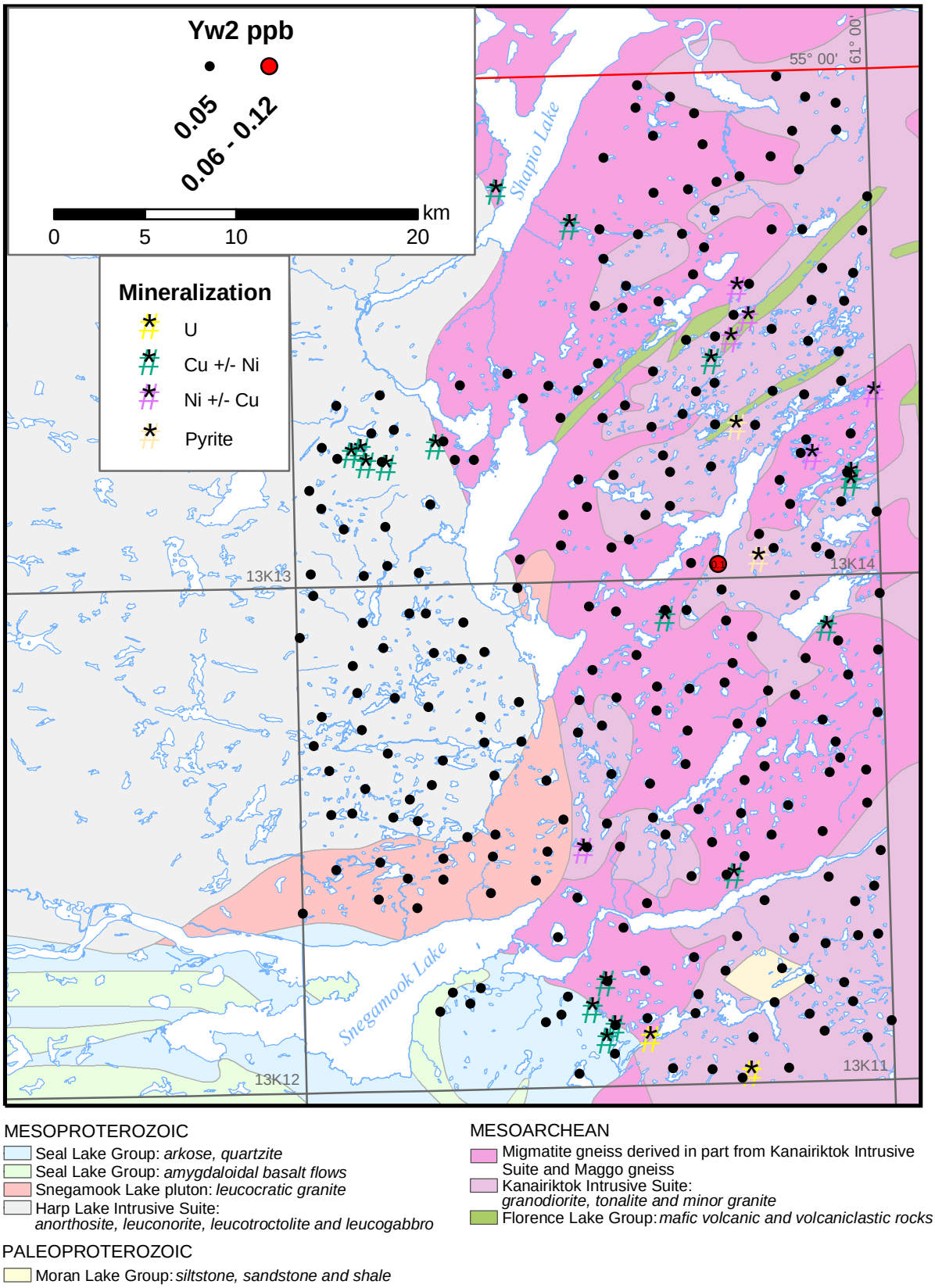

Figure 74. *Yttrium (Yw2) in lake water.*

APPENDIX 1

Locations and selected analyses of lake sediment and water data

FLDNUM	ZONE	UTMEAST	UTMNORTH	NTS	Au1 ppb	Fe2 wt.%	Cu2 ppm	LOI wt.%	Ni2 ppm	U1 ppm	Cuw2 ppb	Mgw1 ppm	Niw2 ppb	SO_4w1 ppm	Znw2 ppb
6252522	20	609780	6051657	13K11	6.0	2.05	33	34.64	16	9.6	5.2	.32	.5	.01	8.0
6252523	20	610407	6053269	13K11	.5	1.19	14	41.27	11	17.6	.6	.32	.5	.01	.5
6252524	20	611285	6055035	13K11	.5	.85	18	39.64	9	7.9	.2	.31	.5	.01	1.3
6252525	20	612583	6053506	13K11	.5	2.42	60	41.12	37	9.5	1.7	.41	1.7	.01	.5
6252526	20	613685	6054804	13K11	.5	5.00	97	45.02	30	17.6	5.2	.34	.5	.01	1.7
6252527	20	614399	6053534	13K11	17.0	.70	10	28.29	11	10.2	2.9	.59	1.1	.01	.5
6252528	20	616222	6055146	13K11	11.0	1.19	41	38.49	10	8.1	.2	.37	1.2	.01	.5
6252529	20	616906	6054197	13K11	.5	1.04	27	27.04	11	9.6	.2	.46	1.1	.01	.5
6252530	20	618724	6055614	13K11	.5	4.55	33	16.21	26	45.1	.2	.43	.5	.01	.5
6252531	20	619472	6053792	13K11	12.0	.75	18	39.51	9	1.9	.2	.35	.5	.01	.5
6252532	20	621075	6055384	13K11	12.0	7.65	56	35.21	32	27.5	.2	.30	.5	.01	.5
6252533	20	622744	6054186	13K11	2.0	3.33	8	6.60	28	8.9	.2	.48	.5	.01	.5
6252534	20	623647	6055815	13K11	.5	6.26	36	36.99	27	40.7	.6	.25	1.1	.01	.5
6252535	20	625561	6054397	13K11	.5	.56	6	42.66	6	.1	1.5	.43	2.3	.01	.5
6252536	20	627992	6055959	13K11	.5	1.19	9	19.60	14	6.3	3.6	.85	1.3	.01	2.0
6252537	20	628742	6053353	13K11	.5	2.13	28	19.67	19	.1	1.5	.42	1.2	.01	1.8
6252538	20	628391	6051381	13K11	.5	.82	21	38.46	12	4.0	2.9	.41	3.7	.01	7.1
6252539	20	627349	6050544	13K11	13.0	3.02	34	34.93	23	23.1	1.4	.48	.5	.01	.5
6252540	20	628615	6048752	13K11	.5	5.38	36	23.46	27	22.0	.2	.38	.5	.01	.5
6252541	20	627511	6048667	13K11	.5	3.58	27	37.08	20	4.6	.2	.34	3.1	.01	.5
6252542	20	627511	6048667	13K11	.5	4.18	34	39.38	21	5.1	1.1	.35	.5	.01	.5
6252543	20	626749	6046081	13K11	.5	3.95	35	8.59	28	3.5	.2	.30	.5	.01	.5
6252544	20	627241	6045031	13K11		9.28	118	49.53	22		.2	.28	.5	.01	.5
6252545	20	629355	6043978	13K11	.5	3.08	129	16.38	27	12.1	1.2	.36	1.8	.01	.5
6252546	20	628020	6043042	13K11	.5	.83	34	52.40	13	5.9	.2	.33	1.3	.01	.5
6252547	20	625656	6043407	13K11		9.69	51	55.02	16		3.0	.34	.5	.01	.5
6252548	20	623700	6041361	13K11	5.0	1.19	37	35.19	13	93.5	2.0	.89	1.3	.04	.5
6252549	20	621757	6043047	13K11	6.0	1.01	87	40.65	13	41.8	1.5	.53	1.3	.01	.5
6252550	20	621136	6040818	13K11	.5	6.49	87	49.46	15	165.0	.2	.89	2.7	.01	.5
6252551	20	619500	6041303	13K11	.5	3.47	87	34.65	24	66.0	1.8	1.04	1.8	.01	.5
6252552	20	617312	6041356	13K11		2.20	70	29.60	19		.2	1.01	1.6	.01	.5
6252553	20	614130	6042138	13K11	.5	3.19	97	7.01	25	4.7	.2	.53	1.8	.01	.5
6252554	20	612187	6041041	13K11	.5	3.24	45	10.16	24	3.4	.2	1.64	3.0	.02	.5
6252555	20	611137	6077132	13K14	.5	.54	14	29.21	10	.1	.2	.59	1.8	.01	.5
6252556	20	612087	6078632	13K14	.5	2.27	18	31.75	14	3.3	2.1	.72	.5	.01	.5
6252557	20	613437	6077132	13K14	.5	1.06	12	36.78	8	10.0	2.5	.24	.5	.01	.5
6252558	20	614687	6077822	13K14	.5	1.29	16	36.82	8	6.5	1.2	.15	.5	.01	.5
6252559	20	616137	6076632	13K14	.5	.43	14	32.16	9	5.9	4.4	.24	3.1	.01	1.2
6252560	20	617838	6077357	13K14	.5	2.96	18	31.05	9	2.4	2.1	.23	.5	.01	.5
6252561	20	619637	6076782	13K14	6.0	5.92	50	45.44	16	18.7	1.6	.16	.5	.01	.5
6252562	20	621837	6076750	13K14	.5	3.36	9	30.09	10	7.9	.2	.33	2.2	.01	.5
6252563	20	624637	6075932	13K14	.5	2.74	34	10.61	20	71.5	1.1	.23	1.4	.01	.5
6252564	20	624742	6076095	13K14	.5	1.34	19	36.59	13	47.3	2.2	.24	.5	.01	.5
6252565	20	624352	6075197	13K14	4.0	4.52	19	33.23	17	60.5	3.5	.24	1.4	.01	.5
6252566	20	623175	6073708	13K14	.5	1.76	27	52.72	14	8.6	4.8	.26	.5	.01	1.6
6252567	20	619412	6074453	13K14	.5	2.02	27	56.86	13	10.1	4.6	.21	.5	.01	.5
6252568	20	617151	6074156	13K14	.5	.68	13	34.07	10	9.2	3.4	.41	1.9	.01	.5
6252569	20	616758	6075062	13K14	1.0	1.95	8	29.72	14	9.6	3.5	.39	1.8	.01	.5
6252570	20	614048	6073983	13K14	.5	2.52	9	20.95	15	4.5	2.6	.45	1.2	.01	.5
6252571	20	612119	6073734	13K14	.5	2.58	10	14.28	17	2.5	3.8	.35	1.1	.01	.5
6252572	20	612579	6072225	13K14	10.0	.59	20	34.37	6	5.3	4.6	.16	1.6	.01	.5
6252573	20	611303	6071800	13K14	.5	2.13	22	38.74	15	15.4	4.3	.36	1.3	.01	.5
6252574	20	608896	6069333	13K14	.5	.23	9	24.39	5	33.0	3.4	1.27	2.6	.01	1.5
6252575	20	611162	6070100	13K14		4.26	36	60.36	16		4.3	.31	1.4	.01	.5
6252576	20	613949	6069999	13K14	.5	.20	21	19.80	6	3.1	3.8	.40	2.4	.02	.5
6252577	20	614910	6070433	13K14	.5	.85	31	34.75	9	19.8	3.5	.29	2.4	.01	1.4
6252578	20	615809	6071792	13K14	2.0	.23	18	23.35	6	9.1	2.9	.49	1.7	.01	1.1
6252579	20	617165	6072293	13K14	3.0	.72	13	26.90	9	9.6	2.1	.57	1.7	.01	5.2
6252580	20	618326	6069151	13K14	.5	.58	28	41.85	12	5.1	.2	.26	1.5	.01	.5
6252581	20	618326	6069151	13K14	.5	.50	25	41.69	12	6.8	1.5	.26	2.3	.01	.5

FLDNUM	ZONE	UTMEAST	UTMNORTH	NTS	Au1 ppb	Fe2 wt.%	Cu2 ppm	LOI wt.%	Ni2 ppm	U1 ppm	Cuw2 ppb	Mgw1 ppm	Niw2 ppb	SO_4w1 ppm	Znw2 ppb
6252582	20	619797	6069084	13K14	.5	2.54	24	37.29	19	31.9	1.9	.41	1.3	.01	.5
6252583	20	622052	6070755	13K14	.5	4.60	39	48.84	17	165.0	1.9	.53	1.2	.01	.5
6252584	20	622845	6069980	13K14	9.0	.44	24	44.18	19	16.5	1.1	.21	.5	.01	.5
6252585	20	623769	6072387	13K14	12.0	.83	22	39.66	10	17.6	.2	.22	.5	.01	.5
6252586	20	625189	6070027	13K14	.5	1.01	12	30.64	14	44.0	1.5	.34	1.4	.02	.5
6252587	20	625926	6069631	13K14	.5	9.49	22	46.19	15	572.0	1.4	.30	.5	.01	.5
6252588	20	628527	6071991	13K14	9.0	1.88	26	43.43	15	34.1	1.1	.22	.5	.01	.5
6252589	20	626571	6072519	13K14	.5	.56	22	39.82	11	44.0	1.9	.22	1.3	.01	1.1
6252590	20	626898	6074120	13K14	.5	1.01	17	42.22	11	24.2	.2	.25	1.1	.01	.5
6252591	20	627083	6076265	13K14	.5	.95	44	64.46	13	10.3	.2	.16	1.9	.01	.5
6252592	20	626569	6079167	13K14	.5	.21	25	39.82	11	7.2	.2	.30	.5	.04	.5
6252593	20	624539	6078412	13K14	.5	1.85	10	30.71	12	12.1	.2	.44	1.8	.01	.5
6252594	20	622801	6078605	13K14	.5	7.96	57	40.15	16	20.9	.2	.24	1.1	.03	.5
6252595	20	619596	6079053	13K14	.5	.77	11	33.57	10	4.1	.2	.25	.5	.01	.5
6252596	20	618582	6078574	13K14	.5	.62	13	38.18	8	7.9	.2	.24	.5	.04	.5
6252597	20	616232	6079699	13K14	.5	.98	11	33.11	9	4.2	.2	.26	.5	.02	.5
6252598	20	613190	6080125	13K14	3.0	1.43	24	39.98	12	9.0	.2	.36	.5	.01	.5
6252599	20	610480	6078879	13K14		6.41	96	48.90	34		1.5	.36	.5	.01	.5
6252600	20	609060	6078213	13K14	.5	1.97	18	28.34	16	3.2	.2	.44	1.2	.02	.5
6252601	20	609060	6078213	13K14	7.0	2.06	19	28.96	16	2.3	.2	.43	1.1	.01	.5
6252602	20	608216	6079548	13K14	.5	.20	16	36.55	11	1.7	.2	.40	.5	.01	.5
6252603	20	605594	6078908	13K14	.5	2.74	50	49.98	17	3.4	.2	.30	.5	.02	.5
6252604	20	601186	6078377	13K14	.5	1.23	15	34.91	10	.1	.2	.54	4.5	.04	1.1
6252605	20	598799	6077798	13K14		.45	18	43.17	17		.2	.46	.5	.02	.5
6252606	20	597994	6075483	13K14	15.0	.68	52	17.97	10	.1	.8	.58	7.7	.01	2.8
6252607	20	598844	6074870	13K14	.5	2.09	29	14.44	23	.1	.2	.52	.5	.01	.5
6252608	20	597308	6073099	13K14	.5	.96	19	36.63	15	.1	.2	.29	.5	.02	.5
6252609	20	597973	6072109	13K14	.5	5.09	21	28.79	20	.1	1.3	.28	.5	.03	1.1
6252610	20	599206	6070986	13K14	.5	6.83	22	34.41	17	.1	.2	.26	.5	.01	.5
6252611	20	597381	6068506	13K14	.5	3.22	15	22.17	24	.1	.2	.34	.5	.02	.5
6252612	20	597519	6067342	13K11	.5	2.53	20	33.52	17	.1	.2	.35	.5	.01	.5
6252613	20	596780	6065003	13K11	.5	5.30	39	28.52	22	.1	.2	.26	.5	.02	.5
6252614	20	600251	6065848	13K11	.5	2.26	14	26.60	18	.1	.2	.30	.5	.01	.5
6252615	20	601380	6064460	13K11	.5	1.58	29	24.54	18	.1	.2	.39	.5	.03	.5
6252616	20	602030	6061719	13K11	9.0	3.90	60	35.88	18	.1	.2	.34	.5	.01	.5
6252617	20	603866	6061206	13K11	.5	3.67	52	37.12	24	.1	.2	.40	.5	.01	.5
6252618	20	606733	6060660	13K11	.5	1.34	26	36.16	14	.1	1.3	.78	1.8	.01	4.1
6252619	20	608846	6061480	13K11	.5	1.12	82	34.96	20	.1	1.4	.52	1.2	.01	.5
6252620	20	606941	6064250	13K11	.5	3.44	27	30.06	17	.1	.2	.42	9.5	.01	.5
6252621	20	606941	6064250	13K11	.5	4.38	22	30.02	18	1.4	.2	.42	.5	.02	.5
6252622	20	605693	6063867	13K11	.5	6.33	24	27.43	16	.1	.2	.40	1.1	.01	.5
6252623	20	604166	6064198	13K11	.5	5.75	51	48.54	17	1.3	.2	.46	.5	.04	.5
6252624	20	605799	6065870	13K11	.5	1.57	20	38.72	11	1.2	.2	.36	4.0	.01	.5
6252625	20	603735	6066355	13K11	.5	1.26	19	39.09	14	.1	.6	.50	.5	.01	.5
6252626	20	602804	6066355	13K11	4.0	3.08	35	9.45	19	.1	.2	.46	.5	.01	.5
6252627	20	603345	6068581	13K14	.5	1.38	24	41.40	11	1.3	.2	.35	.5	.04	.5
6252628	20	601613	6068984	13K14	8.0	2.65	37	19.92	25	.1	.2	.31	.5	.01	.5
6252629	20	600301	6068426	13K14	5.0	1.93	38	41.66	22	.1	.2	.37	.5	.02	.5
6252630	20	601496	6071136	13K14	.5	2.97	16	35.86	16	.1	.2	.51	.5	.01	.5
6252631	20	606380	6074818	13K14	.5	.22	6	35.15	3	.1	2.9	.66	1.5	.01	.5
6252632	20	605308	6074813	13K14	.5	.83	12	21.54	8	1.3	.2	.90	2.3	.02	.5
6252633	20	604677	6075822	13K14	.5	.18	7	32.58	4	.1	.2	1.50	3.1	.06	.5
6252634	20	601954	6076470	13K14	.5	.98	26	36.85	24	.1	.2	.82	.5	.01	.5
6252635	20	600716	6076265	13K14	2.0	4.26	38	31.27	28	.1	.2	.59	8.5	.05	4.1
6252636	20	627719	6087438	13K14	.5	1.30	24	42.15	9	10.8	.2	.32	2.1	.01	.5
6252638	20	624257	6090794	13K14	.5	1.05	29	46.06	12	132.0	.2	.17	.5	.02	.5
6252639	20	626304	6092979	13K14	.5	4.17	25	8.74	31	6.9	.2	.38	.5	.01	.5
6252640	20	626255	6094455	13K14	13.0	.53	8	23.14	6	9.6	.2	.23	1.0	.01	.5
6252641	20	624575	6094804	13K14	.5	.54	17	36.87	16	14.3	.2	.36	1.3	.03	.5
6252642	20	622983	6095924	13K14	.5	1.44	30	35.19	22	24.2	.2	.33	2.1	.01	.5
6252643	20	622983	6095924	13K14	.5	1.59	37	38.85	24	25.3	.2	.33	2.1	.01	.5
6252644	20	623872	6092915	13K14	.5	.78	32	30.09	14	13.2	.2	.25	1.5	.04	.5
6252645	20	622695	6091530	13K14	.5	.86	14	38.28	12	5.4	.2	.12	1.5	.03	.5
6252646	20	620986	6090414	13K14	175.0	5.66	16	3.11	22	2.4	.2	.42	2.3	.04	.5

FLDNUM	ZONE	UTMEAST	UTMNORTH	NTS	Au1 ppb	Fe2 wt.%	Cu2 ppm	LOI wt.%	Ni2 ppm	U1 ppm	Cuw2 ppb	Mgw1 ppm	Niw2 ppb	SO_4w1 ppm	Znw2 ppb
6252647	20	619703	6090121	13K14	.5	.32	25	36.44	8	6.8	.2	.54	2.4	.03	.5
6252648	20	618150	6089707	13K14	.5	3.79	43	37.00	13	3.5	.2	.35	2.4	.01	.5
6252649	20	603980	6072378	13K14	.5	3.66	26	21.18	23	.1	.2	.54	2.2	.01	.5
6252650	20	601301	6074711	13K14	.5	1.10	65	46.46	20	.1	.2	.66	2.5	.01	.5
6252651	20	613039	6083297	13K14	.5	.47	19	51.29	8	41.8	.2	.44	2.5	.01	1.8
6252652	20	614530	6083191	13K14	.5	.35	12	37.39	8	57.2	.2	.31	2.5	.02	.5
6252653	20	614736	6084388	13K14	.5	1.42	21	31.79	12	20.9	.2	.45	2.6	.03	.5
6252654	20	613490	6085880	13K14	.5	2.20	23	32.28	13	7.0	.2	.30	2.3	.01	.5
6252655	20	613279	6087498	13K14	4.0	2.07	22	22.45	10	7.8	.2	.21	2.3	.01	.5
6252656	20	615386	6087234	13K14	.5	6.99	94	32.20	19	14.3	1.7	.20	2.4	.01	.5
6252657	20	616235	6089502	13K14	.5	.43	14	31.15	9	.1	.2	.46	.5	.01	.5
6252658	20	613497	6091444	13K14	5.0	1.01	29	34.96	15	.1	.2	.41	.5	.01	.5
6252659	20	616218	6092643	13K14	.5	1.62	42	32.32	15	3.0	.6	.58	.5	.02	.5
6252660	20	615248	6094192	13K14	.5	1.02	23	31.42	7	.1	.2	.26	.5	.01	.5
6252661	20	615334	6095432	13K14	.5	.64	10	32.23	10	.1	.2	.50	.5	.03	.5
6252662	20	617160	6094799	13K14	.5	.86	78	39.02	21	4.2	.2	.34	.5	.03	.5
6252663	20	617345	6093269	13K14	10.0	1.52	89	21.42	16	5.3	10.8	.43	10.3	.01	48.9
6252664	20	617345	6093269	13K14	.5	2.83	35	4.49	16	3.0	1.5	.44	2.6	.03	.5
6252665	20	618472	6093882	13K14	16.0	.19	9	32.34	6	.1	.2	.21	2.1	.03	.5
6252666	20	618950	6092180	13K14	.5	.38	36	29.14	12	.1	.2	.39	2.3	.05	.5
6252667	20	619600	6088563	13K14	.5	1.62	23	29.80	9	5.1	.2	.31	2.4	.02	.5
6252668	20	617825	6087263	13K14	.5	1.10	27	18.73	12	16.5	.2	.31	2.4	.05	.5
6252669	20	619020	6086526	13K14	.5	.36	16	35.05	10	6.1	.2	.38	2.7	.03	.5
6252670	20	618410	6085023	13K14	.5	1.19	64	38.91	13	19.8	.2	.34	2.4	.01	.5
6252671	20	616514	6083548	13K14	.5	2.36	9	4.16	13	4.7	.2	.51	6.1	.01	.5
6252672	20	618033	6081425	13K14	3.0	1.05	25	39.06	10	4.8	.2	.21	3.0	.04	.5
6252673	20	619637	6081600	13K14	.5	.96	30	29.47	8	16.5	.2	.32	2.5	.01	.5
6252674	20	620647	6082794	13K14	.5	1.57	28	28.72	11	10.2	.2	.23	2.1	.03	.5
6252675	20	621500	6084503	13K14	.5	.52	69	52.84	28	11.0	.2	.31	2.8	.02	1.4
6252676	20	622741	6082033	13K14	.5	6.64	20	36.20	12	2.8	.2	.18	2.9	.02	.5
6252677	20	624759	6081379	13K14	.5	1.30	13	34.37	12	3.6	.2	.20	2.3	.04	.5
6252678	20	626419	6080798	13K14	.5	1.80	29	52.37	15	16.5	.2	.18	2.5	.03	.5
6252679	20	624959	6083635	13K14	.5	.71	14	43.38	11	2.4	.2	.13	2.1	.04	.5
6252680	20	626738	6083579	13K14	.5	3.66	18	35.78	13	7.3	.2	.19	2.0	.02	.5
6252681	20	627222	6085096	13K14	.5	1.77	19	44.59	11	9.4	.9	.19	2.2	.01	.5
6252682	20	625513	6085380	13K14	.5	.51	7	30.62	6	3.9	.2	.26	2.2	.03	.5
6252683	20	624413	6087514	13K14	.5	4.44	53	29.58	16	10.1	.2	.26	2.3	.02	.5
6252684	20	622752	6087510	13K14	.5	.27	28	34.72	7	39.6	.2	.33	2.3	.04	.5
6252685	20	622752	6087510	13K14	.5	.18	30	33.28	8	47.3	.2	.33	2.2	.03	.5
6252686	20	604511	6044449	13K11	11.0	.49	22	30.60	8	1.5	.2	.59	2.6	.04	.5
6252687	20	605208	6045507	13K11	3.0	.29	85	47.31	8	3.2	.2	.72	3.0	.03	.5
6252688	20	606174	6044903	13K11	.5	2.28	39	34.70	17	5.7	.2	.56	3.6	.03	3.3
6252689	20	606740	6045747	13K11	.5	3.63	27	15.92	27	4.4	.2	.64	2.8	.02	.5
6252690	20	610332	6043879	13K11	.5	.54	28	27.19	8	3.7	.2	.90	2.9	.01	.5
6252691	20	611187	6044298	13K11	.5	2.67	20	8.70	21	3.5	.2	1.25	3.2	.01	.5
6252693	20	614148	6043712	13K11		5.30	371	38.36	22		.2	.37	.5	.03	.5
6252694	20	615929	6044100	13K11	7.0	2.92	118	23.18	17	35.2	.2	.42	.5	.03	2.0
6252695	20	618562	6044372	13K11	.5	3.44	58	10.40	27	24.2	.2	1.19	.5	.05	.5
6252696	20	618721	6045413	13K11	.5	.41	25	33.50	9	51.7	.2	.49	.5	.04	.5
6252697	20	622906	6044977	13K11	9.0	2.41	55	23.06	41	41.8	.2	.94	.5	.02	.5
6252698	20	624840	6044333	13K11	.5	.56	22	47.97	15	14.3	.2	.19	.5	.01	.5
6252699	20	624836	6046247	13K11	3.0	3.49	42	2.77	42	5.2	.2	.38	.5	.05	.5
6252700	20	623327	6046848	13K11	.5	2.63	25	27.78	23	5.7	.2	.29	.5	.01	.5
6252701	20	625730	6048234	13K11	6.0	5.56	57	42.39	40	89.1	.2	.39	.5	.03	.5
6252702	20	623984	6048536	13K11	.5	1.60	33	19.43	17	81.4	.2	.35	.5	.01	.5
6252703	20	620837	6048606	13K11	.5	.51	11	28.65	9	15.4	.2	.78	.5	.03	.5
6252704	20	620220	6046712	13K11	.5	.48	35	39.36	12	36.3	.2	.48	.5	.04	.5
6252705	20	618482	6047458	13K11	4.0	2.89	81	34.97	12	58.3	.2	.39	.5	.01	.5
6252706	20	618482	6047458	13K11	5.0	1.33	65	36.35	12	49.5	.2	.39	.5	.03	.5
6252707	20	615784	6046708	13K11	8.0	1.43	40	41.99	16	49.5	.2	.47	.5	.03	.5
6252708	20	613725	6046145	13K11	.5	2.02	69	20.48	20	14.3	.2	.45	.5	.05	.5
6252709	20	610999	6048567	13K11	.5	2.68	30	11.56	24	10.9	.2	1.09	.5	.15	.5
6252710	20	612077	6050722	13K11	.5	1.58	65	28.70	29	14.3	.2	.36	.5	.06	.5
6252711	20	614595	6049079	13K11	.5	3.72	38	11.77	30	4.2	.2	.20	.5	.04	.5

FLDNUM	ZONE	UTMEAST	UTMNORTH	NTS	Au1 ppb	Fe2 wt.%	Cu2 ppm	LOI wt.%	Ni2 ppm	U1 ppm	Cuw2 ppb	Mgw1 ppm	Niw2 ppb	SO_4w1 ppm	Znw2 ppb
6252712	20	615893	6050426	13K11	.5	1.71	26	19.00	16	7.5	.2	.67	.5	.05	.5
6252713	20	618347	6051927	13K11	.5	.27	15	35.21	10	7.7	.2	.43	.5	.05	.5
6252714	20	620255	6051999	13K11	.5	.36	14	30.97	10	4.5	.2	.57	.5	.04	.5
6252715	20	621245	6053026	13K11	.5	.96	20	33.39	10	19.8	.2	.34	.5	.04	.5
6252716	20	622371	6050606	13K11	.5	1.04	15	34.01	8	7.0	.2	.56	.5	.04	.5
6252717	20	625892	6051900	13K11	.5	1.87	26	16.87	24	33.0	.2	.47	2.6	.01	1.1
6252718	20	627954	6057784	13K11	17.0	.80	33	37.10	15	12.1	.2	.23	2.4	.01	4.3
6252719	20	625948	6057629	13K11	.5	.81	20	35.68	11	15.4	.2	.23	2.2	.05	.5
6252720	20	626516	6058440	13K11	.5	3.24	28	46.27	15	10.3	.2	.28	1.9	.01	.5
6252721	20	626255	6059306	13K11	4.0	2.19	45	46.94	12	11.0	.2	.20	2.1	.02	.5
6252722	20	628588	6060943	13K11	.5	1.13	23	35.89	14	11.0	.2	.30	2.3	.01	.5
6252723	20	625557	6060521	13K11	14.0	1.75	31	38.99	11	29.7	.2	.20	2.0	.03	.5
6252724	20	626958	6063012	13K11	.5	1.97	38	45.31	17	13.2	.2	.21	2.1	.01	.5
6252725	20	628611	6064379	13K11	.5	.76	27	31.24	10	36.3	.2	.19	2.2	.01	.5
6252726	20	628693	6067481	13K11	.5	1.39	25	29.33	19	19.8	.2	.26	2.1	.01	.5
6252727	20	628693	6067481	13K11	5.0	1.35	27	29.51	18	19.8	.2	.25	1.4	.01	5.3
6252728	20	626396	6064885	13K11	.5	.87	32	44.29	9	6.5	.2	.23	1.8	.01	.5
6252729	20	624623	6063926	13K11	.5	.85	14	30.29	9	5.2	.2	.15	1.7	.01	1.0
6252730	20	624030	6067389	13K11	3.2	.13	19	40.76	15	10.3	.2	.27	2.5	.01	.5
6252731	20	620005	6067679	13K11	.5	2.67	30	43.00	17	46.2	.2	.30	2.0	.01	2.5
6252732	20	618060	6066551	13K11	.5	2.68	42	40.76	12	13.2	.2	.18	2.6	.01	1.1
6252733	20	616894	6066551	13K11	.5	5.43	173	46.20	21	38.5	.2	.26	.5	.01	2.1
6252734	20	614178	6066473	13K11	7.2	1.71	57	49.78	14	16.5	.2	.24	.5	.01	.5
6252735	20	612705	6066764	13K11	10.4	2.98	14	12.57	17	6.2	.2	.45	1.1	.01	3.1
6252736	20	608774	6067763	13K11	.5	.77	19	36.24	8	4.1	.2	.45	.5	.01	.5
6252737	20	612880	6063249	13K11	9.6	.72	16	28.61	7	3.3	.2	.18	.5	.01	.5
6252738	20	615325	6064084	13K11	12.0	.37	13	35.15	13	.1	.2	.16	.5	.01	.5
6252739	20	620228	6065970	13K11	.5	5.78	60	39.22	18	25.3	.2	.29	.5	.01	.5
6252740	20	621671	6065092	13K11	9.6	.98	19	35.91	12	23.1	.2	.41	.5	.01	.5
6252741	20	621671	6065092	13K11	.5	.96	25	42.74	13	25.3	.2	.41	1.4	.01	1.1
6252742	20	624044	6061915	13K11	.5	.75	42	53.60	17	10.5	.2	.20	.5	.01	.5
6252743	20	622542	6062121	13K11	.5	1.24	19	35.14	13	16.5	.2	.34	.5	.01	.5
6252744	20	620607	6063636	13K11	.5	1.98	22	33.21	22	12.1	.2	.32	.5	.01	.5
6252745	20	618227	6062240	13K11	.5	4.42	18	20.92	20	7.6	.2	.20	.5	.01	.5
6252746	20	616450	6062354	13K11	.5	.95	14	31.43	16	5.2	.2	.23	.5	.01	.5
6252747	20	614200	6061750	13K11	.5	1.61	17	35.88	15	2.0	.2	.17	.5	.01	.5
6252748	20	612183	6061598	13K11	6.0	3.13	48	5.93	34	13.2	.2	.31	1.0	.01	.5
6252749	20	613424	6060199	13K11	.5	3.99	137	47.01	63	18.7	.2	.41	3.1	.01	.5
6252750	20	616406	6061037	13K11	.5	1.91	35	20.83	25	6.8	.2	.27	.5	.01	.5
6252751	20	618120	6059923	13K11	.5	2.91	58	5.93	26	41.8	.2	.18	1.2	.01	.5
6252752	20	620150	6062578	13K11	.5	2.80	65	27.79	17	18.7	.2	.26	1.7	.01	.5
6252753	20	620880	6060316	13K11	.5	.23	33	46.63	10	12.1	.2	.34	.5	.01	9.0
6252754	20	622165	6060390	13K11	.5	1.52	28	24.83	17	15.4	.2	.28	.5	.01	.5
6252755	20	622369	6057957	13K11	.5	3.77	30	36.77	16	23.1	.2	.22	.5	.01	.5
6252756	20	621246	6057199	13K11	8.8	.23	18	31.87	25	4.7	.2	.38	1.7	.01	.5
6252757	20	618003	6058085	13K11	.5	1.75	81	43.24	23	20.9	.2	.19	.5	.01	.5
6252758	20	616068	6057000	13K11	.5	1.54	18	26.27	22	4.0	.2	.26	.5	.01	.5
6252759	20	616068	6057000	13K11	.5	1.38	18	24.86	8	6.5	.2	.25	.5	.01	.5
6252760	20	613943	6057543	13K11	12.4	1.91	27	33.07	14	9.9	1.0	.26	.5	.01	.5
6252761	20	612092	6059807	13K11	6.4	1.94	23	29.90	23	12.1	.2	.49	.5	.01	.5
6252762	20	610350	6057184	13K11	.5	3.25	44	9.44	35	24.2	.2	.37	.5	.01	.5
6252763	20	608975	6059330	13K11	.5	4.12	26	20.91	23	3.9	.2	.45	.5	.01	.5
6252764	20	606952	6059273	13K11	.5	5.37	36	19.04	34	2.0	.2	.31	.5	.01	.5
6252765	20	604659	6058265	13K11	7.2	3.66	37	19.92	28	11.0	.2	.38	.5	.01	.5
6252766	20	601642	6058654	13K11	.5	3.33	25	23.01	21	.1	8.0	.43	2.2	.01	5.4
6252767	20	600194	6059955	13K11	3.2	1.99	20	27.56	18	.1	1.0	.37	.5	.01	1.0
6252768	20	599941	6061996	13K11	6.4	.98	21	40.74	11	.1	.2	.28	.5	.01	.5
6252769	20	599708	6063486	13K11	.5	1.48	15	34.83	20	.1	.2	.76	.5	.01	.5
6252770	20	607290	6050972	13K11	.5	3.48	11	42.84	11	78.1	.2	.57	.5	.01	.5
6252771	20	607421	6052996	13K11	8.4	.60	13	37.04	10	12.1	.2	.35	.5	.01	.5
6252772	20	604696	6052880	13K11	.5	1.42	17	55.65	17	28.6	.2	.28	.5	.01	.5
6252773	20	604702	6051715	13K11	.5	.34	11	34.17	7	2.6	.2	.23	.5	.01	.5
6252774	20	603247	6050149	13K11	.5	.28	6	26.50	6	16.5	.2	.52	.5	.01	.5
6252775	20	602740	6051780	13K11	4.8	2.94	7	4.08	18	3.2	.2	.45	.5	.01	.5

FLDNUM	ZONE	UTMEAST	UTMNORTH	NTS	Au1 ppb	Fe2 wt.%	Cu2 ppm	LOI wt.%	Ni2 ppm	U1 ppm	Cuw2 ppb	Mgw1 ppm	Niw2 ppb	SO_4w1 ppm	Znw2 ppb
6252776	20	601214	6052663	13K11	.5	2.73	11	14.22	19	5.9	.2	.49	.5	.01	.5
6252777	20	601128	6050628	13K11	.5	.41	11	36.62	9	18.7	.5	.33	.5	.01	.5
6252778	20	596961	6049839	13K11	.5	.88	12	40.82	12	3.6	.2	.34	.5	.01	.5
6252779	20	598805	6052240	13K11	5.6	3.10	10	9.86	20	4.1	.2	.49	.5	.01	.5
6252780	20	598519	6055273	13K11	.5	2.14	24	40.17	14	4.2	.2	.40	.5	.01	.5
6252781	20	598519	6055273	13K11	.5	1.98	27	41.73	13	1.5	.2	.40	.5	.01	.5
6252782	20	599677	6055357	13K11	.5	2.07	46	21.69	17	3.4	.2	.36	.5	.01	.5
6252783	20	601932	6055145	13K11	5.6	4.18	23	28.15	18	1.8	.2	.42	.5	.01	.5
6252784	20	603275	6054939	13K11	.5	3.05	29	35.33	11	5.9	.2	.34	.5	.01	.5
6252785	20	606018	6054073	13K11	5.6	.69	15	53.44	16	18.7	.2	.32	.5	.01	.5
6252786	20	607538	6054188	13K11	12.0	1.33	8	42.07	11	13.2	.2	.25	.5	.01	.5
6252787	20	607501	6057440	13K11	8.0	3.98	22	30.86	20	20.9	.2	.42	.5	.01	.5
6252788	20	604055	6056924	13K11	.5	1.82	11	42.36	11	11.0	.2	.34	.5	.01	.5
6252789	20	602857	6056136	13K11	.5	3.24	34	32.83	18	.1	.2	.32	.5	.01	.5
6252790	20	600388	6056698	13K11	.5	7.48	34	35.40	14	2.4	.2	.33	.5	.01	.5
6252791	20	598414	6057686	13K11	.5	3.10	28	26.12	14	2.2	.2	.33	.5	.01	.5
6252792	20	597550	6059064	13K11	.5	1.66	30	34.98	18	.1	.2	.38	.5	.01	1.5
6252793	20	598002	6060674	13K11	.5	2.47	25	35.97	20	.1	1.8	.27	.5	.01	.5

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	area_km2	depth_m	veg	colour	watclr	watsusp	Ag1	Ag6	Al2	As1	As2	Au1
6222331	6252522	2522	5	2004	0	20	609780	6051657	13K11	.06	7.0	1	4	1	1	.1	N.A.	3.93	2.9	1	6.0
6222332	6252523	2523	5	2004	0	20	610407	6053269	13K11	.07	4.0	1	4	1	1	.1	.05	2.16	2.4	2	.5
6222333	6252524	2524	5	2004	0	20	611285	6055035	13K11	.06	3.0	1	4	1	1	.1	.05	2.39	1.7	1	.5
6222334	6252525	2525	5	2004	0	20	612583	6053506	13K11	.07	14.0	1	4	1	1	.1	.20	3.46	2.7	1	.5
6222335	6252526	2526	5	2004	0	20	613685	6054804	13K11	.20	23.0	1	4	1	1	.1	.20	4.73	2.2	1	.5
6222336	6252527	2527	5	2004	0	20	614399	6053534	13K11	.01	2.5	1	2	1	1	.1	.05	1.82	.2	1	17.0
6222337	6252528	2528	5	2004	0	20	616222	6055146	13K11	.03	7.0	6	2	1	1	.1	.05	2.18	2.0	1	11.0
6222338	6252529	2529	5	2004	0	20	616906	6054197	13K11	.28	8.0	1	2	1	1	.1	.05	2.08	.2	1	.5
6222339	6252530	2530	5	2004	0	20	618724	6055614	13K11	.25	4.0	1	2	1	1	.1	.05	5.70	12.9	12	.5
6222341	6252531	2531	5	2004	0	20	619472	6053792	13K11	.02	6.0	1	4	1	1	.1	.10	1.80	1.8	1	12.0
6222342	6252532	2532	5	2004	0	20	621075	6055384	13K11	.43	15.0	1	4	1	1	.1	.40	4.69	.8	1	12.0
6222343	6252533	2533	5	2004	0	20	622744	6054186	13K11	.12	4.0	1	3	1	1	.1	.05	6.25	1.8	1	2.0
6222344	6252534	2534	5	2004	0	20	623647	6055815	13K11	.32	14.0	1	4	1	1	.1	.10	4.84	2.2	1	.5
6222345	6252535	2535	5	2004	0	20	625561	6054397	13K11	.02	2.0	3	2	1	1	.1	.05	.64	7.2	1	.5
6222346	6252536	2536	5	2004	0	20	627992	6055959	13K11	.03	1.0	3	3	1	1	.1	.05	3.54	1.0	1	.5
6222347	6252537	2537	5	2004	0	20	628742	6053353	13K11	.01	3.0	1	2	1	1	.1	.05	4.80	.6	1	.5
6222348	6252538	2538	5	2004	0	20	628391	6051381	13K11	.05	6.0	1	2	1	1	.1	.05	2.28	1.6	1	.5
6222349	6252539	2539	5	2004	0	20	627349	6050544	13K11	.02	4.0	1	4	1	1	8.0	.05	4.04	5.3	1	13.0
6222351	6252540	2540	5	2004	0	20	628615	6048752	13K11	.11	6.0	1	4	1	1	.1	.05	5.48	4.8	4	.5
6222352	6252541	2541	5	2004	1	20	627511	6048667	13K11	.10	8.0	6	2	1	1	.1	.10	4.29	2.4	1	.5
6222353	6252542	2542	5	2004	2	20	627511	6048667	13K11	.10	8.0	6	2	1	1	.1	.20	4.42	2.4	1	.5
6222354	6252543	2543	5	2004	0	20	626749	6046081	13K11	.15	16.0	6	4	1	1	.1	.30	6.09	3.2	4	.5
6222355	6252544	2544	5	2004	0	20	627241	6045031	13K11	.19	13.0	1	4	1	1	N.A.	.05	5.26	N.A.	7	N.A.
6222356	6252545	2545	5	2004	0	20	629355	6043978	13K11	.06	8.0	1	4	1	1	.1	.20	5.80	6.0	7	.5
6222357	6252546	2546	5	2004	0	20	628020	6043042	13K11	.02	4.0	1	2	1	1	.1	.05	1.93	.2	1	.5
6222358	6252547	2547	5	2004	0	20	625656	6043407	13K11	.03	11.0	1	8	1	1	N.A.	.05	2.84	N.A.	4	N.A.
6222359	6252548	2548	5	2004	0	20	623700	6041361	13K11	.01	.8	1	2	1	1	.1	.05	2.82	2.4	1	5.0
6222361	6252549	2549	5	2004	0	20	621757	6043047	13K11	.17	18.0	1	2	1	1	.1	.40	2.99	3.9	1	6.0
6222362	6252550	2550	5	2004	0	20	621136	6040818	13K11	.08	12.0	1	8	1	1	.1	.05	2.55	5.8	5	.5
6222363	6252551	2551	5	2004	0	20	619500	6041303	13K11	.09	15.0	1	2	1	1	.1	.20	3.09	8.9	8	.5
6222364	6252552	2552	5	2004	0	20	617312	6041356	13K11	.32	12.0	6	2	1	1	N.A.	.05	3.86	N.A.	1	N.A.
6222365	6252553	2553	5	2004	0	20	614130	6042138	13K11	.51	19.0	6	2	1	1	.1	.05	6.69	4.9	8	.5
6222366	6252554	2554	5	2004	0	20	612187	6041041	13K11	1.19	10.0	1	2	1	1	.1	.10	6.29	2.7	4	.5
6222367	6252555	2555	5	2004	0	20	611137	6077132	13K14	.05	3.0	1	2	1	1	.1	.05	2.34	.2	1	.5
6222368	6252556	2556	5	2004	0	20	612087	6078632	13K14	.42	8.0	1	2	1	1	.1	.05	3.93	1.2	1	.5
6222369	6252557	2557	5	2004	0	20	613437	6077132	13K14	.11	5.0	1	2	1	1	.1	.05	1.86	.2	1	.5
6222371	6252558	2558	5	2004	0	20	614687	6077822	13K14	.08	4.0	1	2	1	1	.1	.05	2.10	.2	1	.5
6222372	6252559	2559	5	2004	0	20	616137	6076632	13K14	.02	2.5	1	2	1	1	.1	.05	1.55	1.0	1	.5
6222373	6252560	2560	5	2004	0	20	617838	6077357	13K14	.24	7.0	1	2	1	1	.1	.05	2.28	1.4	1	.5
6222374	6252561	2561	5	2004	0	20	619637	6076782	13K14	.17	18.0	1	4	1	1	.1	.05	4.61	3.4	1	6.0
6222375	6252562	2562	5	2004	0	20	621837	6076750	13K14	.04	.8	1	2	1	1	.1	.05	1.88	1.2	1	.5
6222376	6252563	2563	5	2004	1	20	624637	6075932	13K14	.24	9.0	1	4	1	1	.1	.05	6.19	1.6	1	.5
6222377	6252564	2564	5	2004	2	20	624742	6076095	13K14	.24	8.0	1	4	1	1	.1	.05	2.57	1.9	1	.5
6222378	6252565	2565	5	2004	0	20	624352	6075197	13K14	.37	8.0	1	4	1	1	.1	.05	3.01	1.3	1	4.0
6222379	6252566	2566	5	2004	0	20	623175	6073708	13K14	.05	6.0	1	4	1	1	.1	.20	2.64	1.6	1	.5
6222381	6252567	2567	5	2004	0	20	619412	6074453	13K14	.13	15.0	1	4	1	1	.1	.05	3.06	1.6	1	.5
6222382	6252568	2568	5	2004	0	20	617151	6074156	13K14	.05	2.0	1	3	1	1	.1	.05	1.40	1.3	1	.5
6222383	6252569	2569	5	2004	0	20	616758	6075062	13K14	.02	.5	3	4	1	1	.1	.05	4.41	1.5	1	1.0

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	area_km2	depth_m	veg	colour	watclr	watsusp	Ag1	Ag6	Al2	As1	As2	Au1
6222384	6252570	2570	5	2004	0	20	614048	6073983	13K14	.07	1.0	1	4	1	1	.1	.05	5.76	1.3	1	.5
6222385	6252571	2571	5	2004	0	20	612119	6073734	13K14	.03	3.0	3	2	1	1	.1	.05	6.47	1.2	1	.5
6222386	6252572	2572	5	2004	0	20	612579	6072225	13K14	.07	5.0	1	2	1	1	.1	.05	1.58	1.3	1	10.0
6222387	6252573	2573	5	2004	0	20	611303	6071800	13K14	.03	10.0	3	4	1	1	.1	.05	4.43	.2	1	.5
6222388	6252574	2574	5	2004	0	20	608896	6069333	13K14	.03	2.5	3	1	1	1	.1	.05	.64	2.5	1	.5
6222389	6252575	2575	5	2004	0	20	611162	6070100	13K14	.05	11.0	1	4	1	1	N.A.	.05	3.74	N.A.	1	N.A.
6222391	6252576	2576	5	2004	0	20	613949	6069999	13K14	.01	2.0	1	5	1	1	.1	.05	1.07	.2	1	.5
6222392	6252577	2577	5	2004	0	20	614910	6070433	13K14	.05	6.0	1	1	1	1	.1	.05	1.37	.2	1	.5
6222393	6252578	2578	5	2004	0	20	615809	6071792	13K14	.02	2.0	1	2	1	1	.1	.05	.93	1.0	1	2.0
6222394	6252579	2579	5	2004	0	20	617165	6072293	13K14	.03	2.0	1	2	1	1	.1	.05	1.51	.8	1	3.0
6222395	6252580	2580	5	2004	1	20	618326	6069151	13K14	.02	2.5	1	4	1	1	.1	.05	1.22	.6	1	.5
6222396	6252581	2581	5	2004	2	20	618326	6069151	13K14	.02	2.5	1	4	1	1	.1	.05	1.08	.2	1	.5
6222397	6252582	2582	5	2004	0	20	619797	6069084	13K14	.06	3.0	1	4	1	1	.1	.05	2.92	2.5	1	.5
6222398	6252583	2583	5	2004	0	20	622052	6070755	13K14	.03	12.0	6	4	1	1	.1	.30	4.35	2.1	1	.5
6222399	6252584	2584	5	2004	0	20	622845	6069980	13K14	.10	3.0	1	4	1	1	.1	.05	1.64	.2	1	9.0
6222401	6252585	2585	5	2004	0	20	623769	6072387	13K14	.05	7.0	6	4	1	1	.1	.10	2.43	1.3	1	12.0
6222402	6252586	2586	5	2004	0	20	625189	6070027	13K14	.03	1.5	1	4	1	1	.1	.05	2.41	1.8	1	.5
6222403	6252587	2587	5	2004	0	20	625926	6069631	13K14	.06	11.0	6	4	1	1	.1	.05	2.42	8.6	4	.5
6222404	6252588	2588	5	2004	0	20	628527	6071991	13K14	.15	4.0	1	4	1	1	.1	.05	2.45	1.5	1	9.0
6222405	6252589	2589	5	2004	0	20	626571	6072519	13K14	.15	6.0	6	4	1	1	.1	.05	1.66	.2	1	.5
6222406	6252590	2590	5	2004	0	20	626898	6074120	13K14	.04	6.0	6	4	1	1	.1	.05	2.41	1.5	1	.5
6222407	6252591	2591	5	2004	0	20	627083	6076265	13K14	.02	12.0	6	4	1	1	.1	.40	3.20	1.8	1	.5
6222408	6252592	2592	5	2004	0	20	626569	6079167	13K14	.02	3.0	1	4	1	1	.1	.05	.99	1.8	1	.5
6222409	6252593	2593	5	2004	0	20	624539	6078412	13K14	.02	.5	1	4	1	1	.1	.05	3.71	.2	1	.5
6222411	6252594	2594	5	2004	0	20	622801	6078605	13K14	.18	11.0	6	4	1	1	.1	.05	4.33	2.4	1	.5
6222412	6252595	2595	5	2004	0	20	619596	6079053	13K14	.10	2.0	6	2	1	1	.1	.05	1.78	3.0	1	.5
6222413	6252596	2596	5	2004	0	20	618582	6078574	13K14	.09	5.0	1	3	1	1	.1	.05	.90	2.3	1	.5
6222414	6252597	2597	5	2004	0	20	616232	6079699	13K14	.04	2.5	3	2	1	1	.1	.05	2.21	1.3	1	.5
6222415	6252598	2598	5	2004	0	20	613190	6080125	13K14	.23	4.0	1	2	1	1	.1	.05	2.66	1.4	1	3.0
6222416	6252599	2599	5	2004	0	20	610480	6078879	13K14	.20	8.0	5	4	1	1	N.A.	.05	2.92	N.A.	1	N.A.
6222417	6252600	2600	5	2004	1	20	609060	6078213	13K14	.05	3.0	5	2	1	1	.1	.05	3.66	.2	1	.5
6222418	6252601	2601	5	2004	2	20	609060	6078213	13K14	.05	2.5	5	2	1	1	.1	.05	3.71	1.0	1	7.0
6222419	6252602	2602	5	2004	0	20	608216	6079548	13K14	.20	2.0	5	2	1	1	.1	.10	1.03	.2	1	.5
6222421	6252603	2603	5	2004	0	20	605594	6078908	13K14	.16	16.0	5	4	1	1	.1	.05	3.81	1.6	1	.5
6222422	6252604	2604	5	2004	0	20	601186	6078377	13K14	.10	9.0	1	2	1	1	.1	.05	3.12	1.1	1	.5
6222423	6252605	2605	5	2004	0	20	598799	6077798	13K14	.06	5.0	6	2	1	1	N.A.	.05	2.06	N.A.	1	N.A.
6222424	6252606	2606	5	2004	0	20	597994	6075483	13K14	.04	7.0	4	1	1	1	.1	.05	3.57	.2	1	15.0
6222425	6252607	2607	5	2004	0	20	598844	6074870	13K14	.04	6.0	7	2	1	1	.1	.05	7.25	.2	1	.5
6222426	6252608	2608	5	2004	0	20	597308	6073099	13K14	.08	9.0	7	4	1	1	.1	.05	4.10	.2	1	.5
6222427	6252609	2609	5	2004	0	20	597973	6072109	13K14	.04	11.0	7	4	1	1	.1	.05	6.87	.2	1	.5
6222428	6252610	2610	5	2004	0	20	599206	6070986	13K14	.12	17.0	7	4	1	1	.1	3.90	3.82	.2	1	.5
6222429	6252611	2611	5	2004	0	20	597381	6068506	13K14	.02	6.0	7	4	1	1	.1	.05	7.45	.2	1	.5
6222431	6252612	2612	5	2004	0	20	597519	6067342	13K11	.04	11.0	7	4	1	1	.1	.05	3.55	1.9	1	.5
6222432	6252613	2613	5	2004	0	20	596780	6065003	13K11	.11	12.0	6	4	1	1	.1	.05	5.36	.2	1	.5
6222433	6252614	2614	5	2004	0	20	600251	6065848	13K11	1.29	18.0	6	4	1	1	.1	.05	7.85	.2	1	.5
6222434	6252615	2615	5	2004	0	20	601380	6064460	13K11	.12	9.0	1	2	1	1	.1	.05	5.01	.2	1	.5
6222435	6252616	2616	5	2004	0	20	602030	6061719	13K11	.17	12.0	6	4	1	1	.1	.05	4.29	.2	1	9.0
6222436	6252617	2617	5	2004	0	20	603866	6061206	13K11	.05	17.0	6	4	1	1	.1	.30	5.92	.2	1	.5

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	area_km2	depth_m	veg	colour	watclr	watsusp	Ag1	Ag6	Al2	As1	As2	Au1
6222437	6252618	2618	5	2004	0	20	606733	6060660	13K11	.03	10.0	1	2	1	1	.1	.05	2.89	.2	1	.5
6222438	6252619	2619	5	2004	0	20	608846	6061480	13K11	.02	13.0	1	4	1	1	.1	.05	2.67	.2	1	.5
6222439	6252620	2620	5	2004	1	20	606941	6064250	13K11	.12	12.0	1	2	1	1	.1	.05	3.94	.2	1	.5
6222441	6252621	2621	5	2004	2	20	606941	6064250	13K11	.12	12.0	1	2	1	1	.1	.20	4.15	.2	1	.5
6222442	6252622	2622	5	2004	0	20	605693	6063867	13K11	.22	17.0	1	2	1	1	.1	.05	2.94	.2	1	.5
6222443	6252623	2623	5	2004	0	20	604166	6064198	13K11	.07	18.0	6	4	1	1	.1	.05	4.34	.2	1	.5
6222444	6252624	2624	5	2004	0	20	605799	6065870	13K11	.05	17.0	1	3	1	1	.1	.05	3.22	.2	1	.5
6222445	6252625	2625	5	2004	0	20	603735	6066355	13K11	.05	10.0	1	2	1	1	.1	.05	2.66	.2	1	.5
6222446	6252626	2626	5	2004	0	20	602804	6066355	13K11	.34	12.0	1	2	1	1	.1	.05	7.59	.2	1	4.0
6222447	6252627	2627	5	2004	0	20	603345	6068581	13K14	.15	16.0	1	4	1	1	.1	.05	3.00	.2	1	.5
6222448	6252628	2628	5	2004	0	20	601613	6068984	13K14	1.21	10.0	1	2	1	1	.1	.05	6.95	.2	1	8.0
6222449	6252629	2629	5	2004	0	20	600301	6068426	13K14	.02	8.0	5	2	1	1	.1	.05	2.24	1.7	1	5.0
6222451	6252630	2630	5	2004	0	20	601496	6071136	13K14	.01	1.0	1	2	1	1	.1	.05	5.00	2.6	1	.5
6222452	6252631	2631	5	2004	0	20	606380	6074818	13K14	.04	8.0	1	2	1	1	.1	.05	.68	1.7	1	.5
6222453	6252632	2632	5	2004	0	20	605308	6074813	13K14	.03	.5	1	1	1	1	.1	.05	2.20	1.8	1	.5
6222454	6252633	2633	5	2004	0	20	604677	6075822	13K14	.02	1.0	1	2	1	1	.1	.05	.69	.2	1	.5
6222455	6252634	2634	5	2004	0	20	601954	6076470	13K14	.06	11.0	6	2	1	1	.1	.05	2.23	.2	1	.5
6222456	6252635	2635	5	2004	0	20	600716	6076265	13K14	.67	14.0	1	4	1	1	.1	.10	5.97	2.8	1	2.0
6222457	6252636	2636	5	2004	0	20	627719	6087438	13K14	.03	7.0	1	4	1	1	.1	.05	2.56	2.6	1	.5
6222459	6252638	2638	5	2004	0	20	624257	6090794	13K14	.06	10.0	1	4	1	1	.1	.05	3.53	.2	1	.5
6222461	6252639	2639	5	2004	0	20	626304	6092979	13K14	.47	10.0	1	1	1	1	.1	.05	8.33	.2	1	.5
6222462	6252640	2640	5	2004	0	20	626255	6094455	13K14	.03	1.0	1	1	1	1	.1	.05	2.16	.2	1	13.0
6222463	6252641	2641	5	2004	0	20	624575	6094804	13K14	.04	3.0	1	2	1	1	.1	.05	2.30	.2	1	.5
6222464	6252642	2642	5	2004	1	20	622983	6095924	13K14	.10	12.0	1	4	1	2	.1	.05	2.28	.2	1	.5
6222465	6252643	2643	5	2004	2	20	622983	6095924	13K14	.04	12.0	1	4	1	2	.1	.05	2.58	.2	1	.5
6222466	6252644	2644	5	2004	0	20	623872	6092915	13K14	.04	15.0	1	1	1	1	.1	.05	3.72	.2	1	.5
6222467	6252645	2645	5	2004	0	20	622695	6091530	13K14	.04	4.0	1	2	1	1	.1	.05	2.55	.2	1	.5
6222468	6252646	2646	5	2004	0	20	620986	6090414	13K14	.03	.2	1	1	1	1	.1	.05	8.33	.2	1	175.0
6222469	6252647	2647	5	2004	0	20	619703	6090121	13K14	.02	3.0	1	2	1	1	.1	.05	1.34	.2	1	.5
6222471	6252648	2648	5	2004	0	20	618150	6089707	13K14	.16	21.0	1	4	1	1	.1	.20	4.03	.2	1	.5
6222472	6252649	2649	5	2004	0	20	603980	6072378	13K14	.38	20.0	1	4	1	1	.1	.05	8.24	.2	1	.5
6222473	6252650	2650	5	2004	0	20	601301	6074711	13K14	.04	17.0	6	4	1	1	.1	.05	4.05	2.0	1	.5
6222474	6252651	2651	5	2004	0	20	613039	6083297	13K14	.04	6.0	5	2	1	1	.1	.05	1.24	1.8	1	.5
6222475	6252652	2652	5	2004	0	20	614530	6083191	13K14	.12	1.0	1	2	1	1	.1	.05	.87	.2	1	.5
6222476	6252653	2653	5	2004	0	20	614736	6084388	13K14	.23	.8	1	2	1	1	.1	.05	4.05	.2	1	.5
6222477	6252654	2654	5	2004	0	20	613490	6085880	13K14	.17	6.0	1	4	1	1	.1	.05	3.75	.2	1	.5
6222478	6252655	2655	5	2004	0	20	613279	6087498	13K14	.11	8.0	1	2	1	1	.1	.05	2.26	2.8	1	4.0
6222479	6252656	2656	5	2004	0	20	615386	6087234	13K14	.16	16.0	1	4	1	1	.1	.40	5.67	.2	1	.5
6222481	6252657	2657	5	2004	0	20	616235	6089502	13K14	.07	2.0	1	1	1	1	.1	.05	1.32	.2	1	.5
6222482	6252658	2658	5	2004	0	20	613497	6091444	13K14	.09	1.5	1	1	1	1	.1	.05	2.75	.2	1	5.0
6222483	6252659	2659	5	2004	0	20	616218	6092643	13K14	.13	3.0	1	2	1	1	.1	.05	2.68	.2	1	.5
6222484	6252660	2660	5	2004	0	20	615248	6094192	13K14	.05	9.0	1	4	1	1	.1	.05	2.68	.2	1	.5
6222485	6252661	2661	5	2004	0	20	615334	6095432	13K14	.03	1.0	3	1	1	1	.1	.05	2.08	.2	1	.5
6222486	6252662	2662	5	2004	0	20	617160	6094799	13K14	.10	3.0	1	2	1	1	.1	.05	2.07	.2	1	.5
6222487	6252663	2663	5	2004	1	20	617345	6093269	13K14	.05	4.0	6	1	1	1	.1	.05	2.86	.2	1	10.0
6222488	6252664	2664	5	2004	2	20	617345	6093269	13K14	.05	4.0	6	4	1	1	.1	.05	8.40	.2	1	.5
6222489	6252665	2665	5	2004	0	20	618472	6093882	13K14	.02	4.0	1	2	1	1	.1	.05	.60	.2	1	16.0
6222491	6252666	2666	5	2004	0	20	618950	6092180	13K14	.01	3.0	1	1	1	1	.1	.05	1.37	.2	1	.5

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	area_km2	depth_m	veg	colour	watclr	watsusp	Ag1	Ag6	Al2	As1	As2	Au1
6222492	6252667	2667	5	2004	0	20	619600	6088563	13K14	.06	8.0	6	2	1	1	7.0	.05	2.72	.2	1	.5
6222493	6252668	2668	5	2004	0	20	617825	6087263	13K14	.07	7.0	1	2	1	1	.1	.05	4.17	.2	1	.5
6222494	6252669	2669	5	2004	0	20	619020	6086526	13K14	.04	3.0	1	1	1	1	.1	.05	1.30	.8	1	.5
6222495	6252670	2670	5	2004	0	20	618410	6085023	13K14	.07	3.0	1	2	1	1	.1	.05	3.60	1.4	1	.5
6222496	6252671	2671	5	2004	0	20	616514	6083548	13K14	2.75	.3	1	2	1	1	.1	.05	9.28	.2	1	.5
6222497	6252672	2672	5	2004	0	20	618033	6081425	13K14	.17	6.0	1	4	1	1	.1	.05	2.52	1.6	1	3.0
6222498	6252673	2673	5	2004	0	20	619637	6081600	13K14	.02	.6	1	5	1	1	.1	.05	2.61	.2	1	.5
6222499	6252674	2674	5	2004	0	20	620647	6082794	13K14	.27	2.0	1	2	1	1	.1	.05	3.68	.2	1	.5
6222501	6252675	2675	5	2004	0	20	621500	6084503	13K14	.02	4.0	1	4	1	1	.1	.05	1.47	.2	1	.5
6222502	6252676	2676	5	2004	0	20	622741	6082033	13K14	.15	10.0	6	4	1	1	.1	.30	2.68	2.5	1	.5
6222503	6252677	2677	5	2004	0	20	624759	6081379	13K14	.47	3.0	6	2	1	1	.1	.05	3.13	.2	1	.5
6222504	6252678	2678	5	2004	0	20	626419	6080798	13K14	.27	19.0	1	4	1	1	.1	.10	3.44	4.4	1	.5
6222505	6252679	2679	5	2004	0	20	624959	6083635	13K14	.04	5.0	6	4	1	1	.1	.05	2.54	.2	1	.5
6222506	6252680	2680	5	2004	0	20	626738	6083579	13K14	.16	7.0	1	4	1	1	.1	.05	4.08	.2	1	.5
6222507	6252681	2681	5	2004	0	20	627222	6085096	13K14	.38	9.0	6	4	1	1	.1	.05	3.50	1.7	1	.5
6222508	6252682	2682	5	2004	0	20	625513	6085380	13K14	.03	10.0	1	2	1	1	.1	.05	1.02	1.9	1	.5
6222509	6252683	2683	5	2004	0	20	624413	6087514	13K14	1.39	7.0	1	2	1	1	.1	.05	3.72	.2	1	.5
6222511	6252684	2684	5	2004	1	20	622752	6087510	13K14	.03	5.0	1	2	1	1	.1	.05	1.36	3.2	1	.5
6222512	6252685	2685	5	2004	2	20	622752	6087510	13K14	.03	5.0	1	2	1	1	.1	.05	1.23	2.9	1	.5
6222513	6252686	2686	5	2004	0	20	604511	6044449	13K11	.02	4.0	1	4	1	1	.1	.05	1.75	.2	1	11.0
6222514	6252687	2687	5	2004	0	20	605208	6045507	13K11	.02	1.5	1	4	1	1	.1	.05	.98	2.7	1	3.0
6222515	6252688	2688	5	2004	0	20	606174	6044903	13K11	.20	12.0	1	4	1	1	.1	.05	4.31	1.7	1	.5
6222516	6252689	2689	5	2004	0	20	606740	6045747	13K11	.36	5.0	1	2	1	1	.1	.05	5.42	2.5	1	.5
6222517	6252690	2690	5	2004	0	20	610332	6043879	13K11	.01	4.0	1	2	1	1	.1	.05	1.66	.2	1	.5
6222518	6252691	2691	5	2004	0	20	611187	6044298	13K11	.05	.5	1	2	1	1	.1	.05	5.36	3.6	1	.5
6222521	6252693	2693	5	2004	0	20	614148	6043712	13K11	.06	10.0	1	4	1	1	N.A.	.20	4.82	N.A.	13	N.A.
6222522	6252694	2694	5	2004	0	20	615929	6044100	13K11	.36	11.0	1	2	1	1	.1	.05	2.93	8.9	2	7.0
6222523	6252695	2695	5	2004	0	20	618562	6044372	13K11	1.48	9.0	1	2	1	1	.1	.05	6.09	7.5	5	.5
6222524	6252696	2696	5	2004	0	20	618721	6045413	13K11	.09	2.0	1	2	1	1	.1	.05	1.16	4.1	1	.5
6222525	6252697	2697	5	2004	0	20	622906	6044977	13K11	2.69	8.0	1	3	1	1	.1	.05	5.13	3.4	1	9.0
6222526	6252698	2698	5	2004	0	20	624840	6044333	13K11	.11	4.0	1	4	1	1	.1	.05	1.99	.2	1	.5
6222527	6252699	2699	5	2004	0	20	624836	6046247	13K11	.17	13.0	1	2	1	1	.1	.05	7.07	3.0	2	3.0
6222528	6252700	2700	5	2004	0	20	623327	6046848	13K11	.09	6.0	1	4	1	1	.1	.05	4.93	.2	1	.5
6222529	6252701	2701	5	2004	0	20	625730	6048234	13K11	.16	10.0	1	4	1	1	.1	.60	4.25	7.3	1	6.0
6222531	6252702	2702	5	2004	0	20	623984	6048536	13K11	.03	6.0	1	2	1	1	.1	.05	4.22	2.1	1	.5
6222532	6252703	2703	5	2004	0	20	620837	6048606	13K11	.02	2.0	1	2	1	1	.1	.05	1.46	2.5	1	.5
6222533	6252704	2704	5	2004	0	20	620220	6046712	13K11	.03	5.0	1	2	1	1	.1	.05	1.37	1.9	1	.5
6222534	6252705	2705	5	2004	1	20	618482	6047458	13K11	.09	8.0	1	4	1	1	.1	.05	2.48	.2	1	4.0
6222535	6252706	2706	5	2004	2	20	618482	6047458	13K11	.09	6.0	1	4	1	1	.1	.05	1.95	3.8	1	5.0
6222536	6252707	2707	5	2004	0	20	615784	6046708	13K11	.09	9.0	1	4	1	1	.1	.05	2.94	2.6	1	8.0
6222537	6252708	2708	5	2004	0	20	613725	6046145	13K11	.01	1.5	3	4	1	1	.1	.05	5.13	.2	1	.5
6222538	6252709	2709	5	2004	0	20	610999	6048567	13K11	.84	11.0	1	2	1	1	.1	.05	4.13	4.5	1	.5
6222539	6252710	2710	5	2004	0	20	612077	6050722	13K11	.45	12.0	1	4	1	1	.1	.05	4.27	3.5	1	.5
6222541	6252711	2711	5	2004	0	20	614595	6049079	13K11	.05	20.0	1	2	1	1	.1	.05	6.55	3.1	1	.5
6222542	6252712	2712	5	2004	0	20	615893	6050426	13K11	.02	4.0	1	2	1	1	.1	.05	3.82	1.2	1	.5
6222543	6252713	2713	5	2004	0	20	618347	6051927	13K11	.13	2.0	1	2	1	1	.1	.05	.86	1.4	1	.5
6222544	6252714	2714	5	2004	0	20	620255	6051999	13K11	.09	1.5	1	2	1	1	.1	.05	1.18	1.9	1	.5
6222545	6252715	2715	5	2004	0	20	621245	6053026	13K11	.06	5.0	1	4	1	1	.1	.05	1.72	.2	1	.5

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	area_km2	depth_m	veg	colour	watclr	watsusp	Ag1	Ag6	Al2	As1	As2	Au1
6222546	6252716	2716	5	2004	0	20	622371	6050606	13K11	.02	5.0	5	4	1	1	.1	.05	1.20	2.8	1	.5
6222547	6252717	2717	5	2004	0	20	625892	6051900	13K11	.02	1.0	1	2	1	1	.1	.05	5.66	1.0	1	.5
6222548	6252718	2718	5	2004	0	20	627954	6057784	13K11	.03	1.5	1	2	1	1	.1	.05	2.32	.2	1	17.0
6222549	6252719	2719	5	2004	0	20	625948	6057629	13K11	.04	7.0	1	2	1	1	.1	.05	2.43	.2	1	.5
6222551	6252720	2720	5	2004	0	20	626516	6058440	13K11	.04	6.0	1	4	1	1	.1	.05	2.27	2.3	1	.5
6222552	6252721	2721	5	2004	0	20	626255	6059306	13K11	.23	17.0	1	4	1	1	.1	.20	3.20	2.4	1	4.0
6222553	6252722	2722	5	2004	0	20	628588	6060943	13K11	.14	4.0	1	2	1	1	.1	.05	2.57	1.9	1	.5
6222554	6252723	2723	5	2004	0	20	625557	6060521	13K11	.25	6.0	5	2	1	1	.1	.05	2.65	.2	1	14.0
6222555	6252724	2724	5	2004	0	20	626958	6063012	13K11	.18	11.0	1	4	1	1	.1	.20	3.27	3.0	1	.5
6222556	6252725	2725	5	2004	0	20	628611	6064379	13K11	.05	5.0	1	4	1	1	.1	.05	2.07	4.2	1	.5
6222557	6252726	2726	5	2004	1	20	628693	6067481	13K11	1.72	4.0	1	4	1	1	.1	.05	3.42	3.3	1	.5
6222558	6252727	2727	5	2004	2	20	628693	6067481	13K11	1.72	4.0	1	4	1	1	.1	.05	3.31	4.5	1	5.0
6222559	6252728	2728	5	2004	0	20	626396	6064885	13K11	.01	8.0	1	4	1	1	.1	.20	2.35	3.7	1	.5
6222561	6252729	2729	5	2004	0	20	624623	6063926	13K11	.03	1.0	1	2	1	1	.1	.05	3.14	.2	1	.5
6222562	6252730	2730	5	2004	0	20	624030	6067389	13K11	.02	2.0	1	2	1	1	.1	.05	.79	.2	1	3.2
6222563	6252731	2731	5	2004	0	20	620005	6067679	13K11	.08	8.0	1	2	1	1	.1	.05	3.52	1.9	1	.5
6222564	6252732	2732	5	2004	0	20	618060	6066551	13K11	.36	11.0	1	2	1	1	.1	.05	2.96	2.2	1	.5
6222565	6252733	2733	5	2004	0	20	616894	6066551	13K11	.11	12.0	1	4	1	1	.1	.10	5.29	2.3	1	.5
6222566	6252734	2734	5	2004	0	20	614178	6066473	13K11	.07	11.0	1	4	1	1	.1	.05	2.81	1.3	1	7.2
6222567	6252735	2735	5	2004	0	20	612705	6066764	13K11	.02	.5	1	2	1	1	.1	.05	5.23	.2	1	10.4
6222568	6252736	2736	5	2004	0	20	608774	6067763	13K11	.05	5.0	1	5	1	1	.1	.05	1.49	.2	1	.5
6222569	6252737	2737	5	2004	0	20	612880	6063249	13K11	.03	6.0	3	2	1	1	.1	.05	1.56	.2	1	9.6
6222571	6252738	2738	5	2004	0	20	615325	6064084	13K11	.04	4.0	1	2	1	1	.1	.05	1.18	.2	1	12.0
6222572	6252739	2739	5	2004	0	20	620228	6065970	13K11	.10	12.0	1	2	1	1	.1	.10	3.60	4.7	1	.5
6222573	6252740	2740	5	2004	1	20	621671	6065092	13K11	.04	1.0	1	2	1	1	.1	.05	2.37	1.7	1	9.6
6222574	6252741	2741	5	2004	2	20	621671	6065092	13K11	.04	1.0	1	2	1	1	.1	.05	2.70	2.0	1	.5
6222575	6252742	2742	5	2004	0	20	624044	6061915	13K11	.08	6.0	1	4	1	1	.1	.20	2.54	1.7	1	.5
6222576	6252743	2743	5	2004	0	20	622542	6062121	13K11	.02	.5	3	4	1	1	.1	.05	2.40	1.7	1	.5
6222577	6252744	2744	5	2004	0	20	620607	6063636	13K11	.07	5.0	1	4	1	1	.1	.05	3.55	1.4	1	.5
6222578	6252745	2745	5	2004	0	20	618227	6062240	13K11	.32	4.0	3	5	1	1	.1	.05	2.55	2.2	1	.5
6222579	6252746	2746	5	2004	0	20	616450	6062354	13K11	.04	2.0	3	5	1	1	.1	.05	1.76	.2	1	.5
6222581	6252747	2747	5	2004	0	20	614200	6061750	13K11	.03	1.0	3	4	1	1	.1	.05	2.00	2.3	1	.5
6222582	6252748	2748	5	2004	0	20	612183	6061598	13K11	.29	4.0	6	2	1	1	.1	.05	6.38	.2	1	6.0
6222583	6252749	2749	5	2004	0	20	613424	6060199	13K11	.04	10.0	6	4	1	1	.1	.05	4.23	4.3	1	.5
6222584	6252750	2750	5	2004	0	20	616406	6061037	13K11	.03	2.0	1	2	1	1	.1	.05	4.63	1.7	1	.5
6222585	6252751	2751	5	2004	0	20	618120	6059923	13K11	.07	8.0	6	2	1	1	.1	.05	6.70	2.0	1	.5
6222586	6252752	2752	5	2004	0	20	620150	6062578	13K11	.22	8.0	1	5	1	1	.1	.05	2.54	2.4	1	.5
6222587	6252753	2753	5	2004	0	20	620880	6060316	13K11	.03	3.0	1	5	1	1	.1	.05	.77	.2	1	.5
6222588	6252754	2754	5	2004	0	20	622165	6060390	13K11	.30	6.0	1	1	1	1	.1	.05	4.07	.2	1	.5
6222589	6252755	2755	5	2004	0	20	622369	6057957	13K11	.08	7.0	1	4	1	1	.1	.05	2.58	2.2	1	.5
6222591	6252756	2756	5	2004	0	20	621246	6057199	13K11	.04	1.5	1	2	1	1	.1	.05	.89	.2	1	8.8
6222592	6252757	2757	5	2004	0	20	618003	6058085	13K11	.05	2.0	1	2	1	1	.1	.05	2.44	1.4	1	.5
6222593	6252758	2758	5	2004	1	20	616068	6057000	13K11	.13	6.0	1	2	1	1	.1	.05	1.67	.2	1	.5
6222594	6252759	2759	5	2004	2	20	616068	6057000	13K11	.13	6.0	1	2	1	1	.1	.05	1.70	1.8	1	.5
6222595	6252760	2760	5	2004	0	20	613943	6057543	13K11	.40	9.0	1	2	1	1	.1	.05	2.41	2.4	1	12.4
6222596	6252761	2761	5	2004	0	20	612092	6059807	13K11	.25	9.0	1	1	1	1	.1	.05	2.17	1.8	1	6.4
6222597	6252762	2762	5	2004	0	20	610350	6057184	13K11	.47	20.0	1	2	1	1	.1	.05	7.02	1.7	1	.5
6222598	6252763	2763	5	2004	0	20	608975	6059330	13K11	.07	7.0	5	2	1	1	.1	.05	5.21	2.3	1	.5

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	area_km2	depth_m	veg	colour	watclr	watsusp	Ag1	Ag6	Al2	As1	As2	Au1
6222599	6252764	2764	5	2004	0	20	606952	6059273	13K11	.68	12.0	5	4	1	1	.1	.05	6.66	.2	1	.5
6222601	6252765	2765	5	2004	0	20	604659	6058265	13K11	.95	21.0	1	4	1	1	.1	.05	7.26	1.5	1	7.2
6222602	6252766	2766	5	2004	0	20	601642	6058654	13K11	.09	9.0	1	4	1	1	.1	.30	4.56	1.7	1	.5
6222603	6252767	2767	5	2004	0	20	600194	6059955	13K11	.35	10.0	6	5	1	1	.1	.05	4.30	.2	1	3.2
6222604	6252768	2768	5	2004	0	20	599941	6061996	13K11	.10	10.0	5	2	1	1	.1	.05	3.42	1.8	1	6.4
6222605	6252769	2769	5	2004	0	20	599708	6063486	13K11	.01	3.0	6	2	1	1	.1	.05	3.71	.2	1	.5
6222606	6252770	2770	5	2004	0	20	607290	6050972	13K11	.03	4.0	1	4	1	1	.1	.05	1.66	22.0	10	.5
6222607	6252771	2771	5	2004	0	20	607421	6052996	13K11	.07	5.0	1	2	1	1	.1	.05	1.84	.2	1	8.4
6222608	6252772	2772	5	2004	0	20	604696	6052880	13K11	.15	4.0	1	2	1	1	.1	.05	3.37	3.3	1	.5
6222609	6252773	2773	5	2004	0	20	604702	6051715	13K11	.06	2.0	1	3	1	1	.1	.05	1.11	1.8	1	.5
6222611	6252774	2774	5	2004	0	20	603247	6050149	13K11	.04	2.0	5	1	1	1	.1	.05	.70	2.2	1	.5
6222612	6252775	2775	5	2004	0	20	602740	6051780	13K11	.15	2.0	5	14	1	1	.1	.05	7.07	1.4	1	4.8
6222613	6252776	2776	5	2004	0	20	601214	6052663	13K11	1.02	2.0	5	2	1	1	.1	.05	6.11	1.8	1	.5
6222614	6252777	2777	5	2004	0	20	601128	6050628	13K11	.06	2.5	5	2	1	1	.1	.05	1.10	1.8	1	.5
6222615	6252778	2778	5	2004	0	20	596961	6049839	13K11	.12	5.0	5	4	1	1	.1	.05	1.63	1.3	1	.5
6222616	6252779	2779	5	2004	0	20	598805	6052240	13K11	.23	.5	3	2	1	1	.1	.05	6.69	1.5	1	5.6
6222617	6252780	2780	5	2004	1	20	598519	6055273	13K11	.20	15.0	1	4	1	1	.1	.05	4.40	1.7	1	.5
6222618	6252781	2781	5	2004	2	20	598519	6055273	13K11	.20	13.0	1	4	1	1	.1	.05	4.40	.2	1	.5
6222619	6252782	2782	5	2004	0	20	599677	6055357	13K11	.38	6.0	1	2	1	1	.1	.05	4.99	1.9	1	.5
6222621	6252783	2783	5	2004	0	20	601932	6055145	13K11	.06	13.0	1	2	1	1	.1	.05	5.40	1.7	1	5.6
6222622	6252784	2784	5	2004	0	20	603275	6054939	13K11	.55	6.0	1	2	1	1	.1	.05	3.68	2.2	1	.5
6222623	6252785	2785	5	2004	0	20	606018	6054073	13K11	.11	5.0	1	2	1	1	.1	.05	3.41	1.8	1	5.6
6222624	6252786	2786	5	2004	0	20	607538	6054188	13K11	.23	2.0	1	2	1	1	.1	.05	2.66	2.0	1	12.0
6222625	6252787	2787	5	2004	0	20	607501	6057440	13K11	.60	10.0	1	2	1	1	.1	.05	4.54	4.5	1	8.0
6222626	6252788	2788	5	2004	0	20	604055	6056924	13K11	.01	1.0	1	2	1	1	.1	.05	3.00	.2	1	.5
6222627	6252789	2789	5	2004	0	20	602857	6056136	13K11	.15	5.0	1	2	1	1	9.0	.60	3.43	2.6	1	.5
6222628	6252790	2790	5	2004	0	20	600388	6056698	13K11	.06	14.0	1	5	1	1	.1	.05	3.95	2.3	1	.5
6222629	6252791	2791	5	2004	0	20	598414	6057686	13K11	.06	19.0	1	2	1	1	.1	.05	2.85	1.4	1	.5
6222631	6252792	2792	5	2004	0	20	597550	6059064	13K11	.12	5.0	1	2	1	1	.1	N.A.	4.39	2.1	1	.5
6222632	6252793	2793	5	2004	0	20	598002	6060674	13K11	.10	5.0	6	2	1	1	.1	.05	5.19	.2	1	.5

* N.A. indicates not analyzed.

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Ba1	Ba2	Be2	Br1	Ca1	Ca2	Cd2	Ce1	Ce2	Co1	Co2	Cr1	Cr2	Cs1	Cu2	Dy2
6222331	6252522	2522	5	2004	0	20	609780	6051657	13K11	584	417	1.5	24.0	.5	1.27	1.0	84	115	10	11	35	26	.2	33	8.2
6222332	6252523	2523	5	2004	0	20	610407	6053269	13K11	344	241	1.5	30.0	.5	.74	.6	91	129	5	7	5	11	.2	14	7.7
6222333	6252524	2524	5	2004	0	20	611285	6055035	13K11	304	181	1.0	34.0	.5	.66	.4	77	112	6	5	13	17	.2	18	6.8
6222334	6252525	2525	5	2004	0	20	612583	6053506	13K11	424	339	.9	40.0	.5	1.11	.6	68	107	24	27	37	30	.2	60	5.5
6222335	6252526	2526	5	2004	0	20	613685	6054804	13K11	280	322	1.2	40.0	.5	1.54	.8	112	164	28	35	41	32	.2	97	7.5
6222336	6252527	2527	5	2004	0	20	614399	6053534	13K11	512	191	.3	15.0	.5	.78	.2	39	48	7	6	19	13	.2	10	2.4
6222337	6252528	2528	5	2004	0	20	616222	6055146	13K11	344	220	.6	29.0	.5	.77	.5	61	89	8	8	16	21	.2	41	4.5
6222338	6252529	2529	5	2004	0	20	616906	6054197	13K11	472	223	.5	32.0	.5	1.04	.4	33	48	6	7	23	23	.2	27	2.9
6222339	6252530	2530	5	2004	0	20	618724	6055614	13K11	664	533	1.1	52.0	.5	2.01	.4	68	93	19	23	83	66	.2	33	4.5
6222341	6252531	2531	5	2004	0	20	619472	6053792	13K11	25	164	.3	33.0	4.0	1.13	.4	34	54	6	5	15	12	.2	18	2.4
6222342	6252532	2532	5	2004	0	20	621075	6055384	13K11	480	460	1.1	35.0	.5	.88	.8	150	152	56	64	30	32	.2	56	7.4
6222343	6252533	2533	5	2004	0	20	622744	6054186	13K11	416	400	.9	3.2	3.0	2.34	.1	40	48	15	19	42	41	.2	8	2.8
6222344	6252534	2534	5	2004	0	20	623647	6055815	13K11	400	281	1.2	25.0	.5	.90	.8	140	149	38	45	47	39	.2	36	5.9
6222345	6252535	2535	5	2004	0	20	625561	6054397	13K11	25	95	.1	22.0	.5	.54	.2	13	8	1	2	5	5	.2	6	.5
6222346	6252536	2536	5	2004	0	20	627992	6055959	13K11	336	288	.6	14.0	.5	1.27	.2	42	43	8	10	29	25	.2	9	2.7
6222347	6252537	2537	5	2004	0	20	628742	6053353	13K11	664	388	1.0	13.0	.5	1.62	.3	48	54	10	12	48	39	1.0	28	4.2
6222348	6252538	2538	5	2004	0	20	628391	6051381	13K11	272	168	.8	34.0	.5	.78	.4	67	73	3	6	23	20	.2	21	4.3
6222349	6252539	2539	5	2004	0	20	627349	6050544	13K11	496	392	1.2	31.0	.5	1.03	.9	92	109	19	25	32	32	1.0	34	6.0
6222351	6252540	2540	5	2004	0	20	628615	6048752	13K11	688	478	1.6	19.0	.5	1.50	.2	110	117	25	30	45	38	.2	36	5.8
6222352	6252541	2541	5	2004	1	20	627511	6048667	13K11	400	273	1.5	21.0	.5	.83	.6	130	130	21	25	30	26	.2	27	7.2
6222353	6252542	2542	5	2004	2	20	627511	6048667	13K11	432	317	1.6	22.0	.5	.88	2.2	98	143	24	30	37	28	.2	34	8.0
6222354	6252543	2543	5	2004	0	20	626749	6046081	13K11	496	484	1.5	19.0	.5	1.46	.5	70	111	21	26	52	45	.2	35	4.8
6222355	6252544	2544	5	2004	0	20	627241	6045031	13K11	N.A.	228	2.2	N.A.	N.A.	1.07	1.0	N.A.	244	N.A.	32	N.A.	35	N.A.	118	11.8
6222356	6252545	2545	5	2004	0	20	629355	6043978	13K11	648	617	1.7	29.0	.5	1.91	.4	84	120	15	18	59	50	2.0	129	8.1
6222357	6252546	2546	5	2004	0	20	628020	6043042	13K11	25	191	.8	40.0	.5	.90	.6	77	96	6	8	5	14	4.0	34	5.2
6222358	6252547	2547	5	2004	0	20	625656	6043407	13K11	N.A.	330	1.3	N.A.	N.A.	1.53	.5	N.A.	136	N.A.	45	N.A.	27	N.A.	51	7.6
6222359	6252548	2548	5	2004	0	20	623700	6041361	13K11	320	287	1.1	20.0	.5	1.08	.8	66	94	8	11	30	28	.2	37	7.3
6222361	6252549	2549	5	2004	0	20	621757	6043047	13K11	576	306	1.4	85.0	.5	1.27	1.0	62	77	8	6	39	23	.2	87	9.0
6222362	6252550	2550	5	2004	0	20	621136	6040818	13K11	680	248	1.1	38.0	.5	1.51	1.2	119	154	28	34	30	27	.2	87	9.4
6222363	6252551	2551	5	2004	0	20	619500	6041303	13K11	464	565	1.3	63.0	.5	1.11	1.3	84	116	20	23	30	26	.2	87	8.6
6222364	6252552	2552	5	2004	0	20	617312	6041356	13K11	N.A.	465	1.5	N.A.	N.A.	1.55	.5	N.A.	83	N.A.	13	N.A.	37	N.A.	70	7.5
6222365	6252553	2553	5	2004	0	20	614130	6042138	13K11	552	594	1.3	18.0	3.0	2.51	.4	45	73	13	17	50	46	.2	97	4.8
6222366	6252554	2554	5	2004	0	20	612187	6041041	13K11	696	674	1.6	9.6	3.0	2.18	.2	53	87	11	16	50	50	.2	45	5.6
6222367	6252555	2555	5	2004	0	20	611137	6077132	13K14	25	100	.2	17.0	2.0	1.05	.3	30	32	6	6	11	12	.2	14	1.8
6222368	6252556	2556	5	2004	0	20	612087	6078632	13K14	344	158	.4	28.0	2.0	1.73	.3	40	40	11	34	31	27	.2	18	2.1
6222369	6252557	2557	5	2004	0	20	613437	6077132	13K14	112	49	.2	25.0	2.0	.71	.3	26	24	8	8	9	9	.2	12	1.6
6222371	6252558	2558	5	2004	0	20	614687	6077822	13K14	184	58	.3	29.0	.5	.52	.3	34	34	5	4	5	10	.2	16	2.1
6222372	6252559	2559	5	2004	0	20	616137	6076632	13K14	25	93	.2	23.0	.5	.82	.3	27	29	6	6	7	10	.2	14	1.7
6222373	6252560	2560	5	2004	0	20	617838	6077357	13K14	25	88	.4	34.0	.5	.52	.4	48	46	11	11	17	14	.2	18	2.2
6222374	6252561	2561	5	2004	0	20	619637	6076782	13K14	432	158	.8	33.0	.5	1.79	.6	93	105	24	26	32	27	.2	50	6.4
6222375	6252562	2562	5	2004	0	20	621837	6076750	13K14	144	85	.3	25.0	.5	.50	.2	42	45	13	12	13	13	.2	9	1.9
6222376	6252563	2563	5	2004	1	20	624637	6075932	13K14	784	576	1.3	9.0	3.0	2.20	.3	90	102	15	17	43	42	.2	34	4.7
6222377	6252564	2564	5	2004	2	20	624742	6076095	13K14	360	139	.6	40.0	.5	.69	.5	64	70	9	10	24	21	.2	19	3.2
6222378	6252565	2565	5	2004	0	20	624352	6075197	13K14	352	263	.7	31.0	.5	.79	.6	80	81	59	60	32	24	.2	19	2.9
6222379	6252566	2566	5	2004	0	20	623175	6073708	13K14	280	178	.5	48.0	2.0	.83	.4	64	73	8	8	16	21	.2	27	3.4
6222381	6252567	2567	5	2004	0	20	619412	6074453	13K14	25	110	.5	54.0	.5	.88	.4	85	86	13	12	14	17	.2	27	3.5
6222382	6252568	2568	5	2004	0	20	617151	6074156	13K14	25	78	.2	17.0	2.0	.76	.2	34	35	11	11	11	14	.2	13	2.6
6222383	6252569	2569	5	2004	0	20	616758	6075062	13K14	232	275	.5	14.0	4.0	1.90	.2	31	36	13	12	32	27	.2	8	2.0

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Ba1	Ba2	Be2	Br1	Ca1	Ca2	Cd2	Ce1	Ce2	Co1	Co2	Cr1	Cr2	Cs1	Cu2	Dy2
6222384	6252570	2570	5	2004	0	20	614048	6073983	13K14	400	344	.6	8.8	3.0	2.59	.1	30	36	13	14	24	31	.2	9	2.0
6222385	6252571	2571	5	2004	0	20	612119	6073734	13K14	368	358	.7	8.7	3.0	2.82	.1	43	46	15	16	32	33	.2	10	2.6
6222386	6252572	2572	5	2004	0	20	612579	6072225	13K14	25	77	.2	26.0	.5	.48	.3	35	36	5	2	10	11	.2	20	1.5
6222387	6252573	2573	5	2004	0	20	611303	6071800	13K14	400	282	.6	22.0	.5	1.78	.2	55	62	19	18	38	29	.2	22	3.5
6222388	6252574	2574	5	2004	0	20	608896	6069333	13K14	200	73	.1	11.0	.5	.49	.2	32	32	3	3	18	22	.2	9	2.3
6222389	6252575	2575	5	2004	0	20	611162	6070100	13K14	N.A.	226	.6	N.A.	N.A.	1.31	.3	N.A.	77	N.A.	28	N.A.	26	N.A.	36	4.7
6222391	6252576	2576	5	2004	0	20	613949	6069999	13K14	25	65	.3	6.1	.5	.36	.3	22	22	3	2	5	6	.2	21	1.8
6222392	6252577	2577	5	2004	0	20	614910	6070433	13K14	25	31	.5	24.0	4.0	.40	.5	55	61	9	7	5	12	.2	31	3.9
6222393	6252578	2578	5	2004	0	20	615809	6071792	13K14	25	63	.2	12.0	.5	.44	.1	33	45	4	3	6	9	.2	18	4.4
6222394	6252579	2579	5	2004	0	20	617165	6072293	13K14	312	94	.3	14.0	.5	.74	.1	33	38	7	7	13	16	.2	13	3.1
6222395	6252580	2580	5	2004	1	20	618326	6069151	13K14	25	70	.3	27.0	.5	.51	.4	46	55	6	4	16	15	.2	28	2.7
6222396	6252581	2581	5	2004	2	20	618326	6069151	13K14	25	62	.2	28.0	.5	.46	.3	44	48	7	4	19	15	.2	25	2.5
6222397	6252582	2582	5	2004	0	20	619797	6069084	13K14	368	200	.8	26.0	.5	1.19	.4	94	109	14	14	31	35	.2	24	5.2
6222398	6252583	2583	5	2004	0	20	622052	6070755	13K14	592	399	1.0	30.0	.5	1.89	.6	88	100	34	39	27	28	.2	39	3.7
6222399	6252584	2584	5	2004	0	20	622845	6069980	13K14	25	133	.5	27.0	.5	.65	.4	78	90	5	3	17	22	.2	24	4.5
6222401	6252585	2585	5	2004	0	20	623769	6072387	13K14	25	315	.5	25.0	4.0	1.67	.3	50	47	6	5	11	16	.2	22	2.3
6222402	6252586	2586	5	2004	0	20	625189	6070027	13K14	25	213	.6	12.0	3.0	.81	.5	73	77	12	9	36	26	.2	12	3.6
6222403	6252587	2587	5	2004	0	20	625926	6069631	13K14	25	118	.9	39.0	.5	.79	.5	150	99	67	57	37	31	.2	22	3.6
6222404	6252588	2588	5	2004	0	20	628527	6071991	13K14	608	103	.8	44.0	.5	.62	.6	72	85	12	12	32	25	.2	26	3.9
6222405	6252589	2589	5	2004	0	20	626571	6072519	13K14	25	112	.4	38.0	4.0	.60	.5	62	59	7	3	21	17	2.0	22	3.0
6222406	6252590	2590	5	2004	0	20	626898	6074120	13K14	25	196	.5	39.0	.5	.96	.4	60	59	9	7	26	20	.2	17	2.5
6222407	6252591	2591	5	2004	0	20	627083	6076265	13K14	25	226	.6	62.0	.5	1.68	.3	74	73	5	4	23	19	.2	44	3.2
6222408	6252592	2592	5	2004	0	20	626569	6079167	13K14	25	69	.3	18.0	.5	.55	.2	81	84	7	6	14	9	.2	25	3.2
6222409	6252593	2593	5	2004	0	20	624539	6078412	13K14	25	245	.6	15.0	.5	1.48	.3	46	46	14	14	14	22	.2	10	2.1
6222411	6252594	2594	5	2004	0	20	622801	6078605	13K14	360	123	.7	57.0	.5	.82	.5	100	110	37	39	28	24	.2	57	6.1
6222412	6252595	2595	5	2004	0	20	619596	6079053	13K14	25	79	.3	27.0	.5	.60	.3	34	35	4	5	11	13	2.0	11	2.1
6222413	6252596	2596	5	2004	0	20	618582	6078574	13K14	25	58	.1	22.0	.5	.62	.4	20	22	8	13	12	13	.2	13	1.4
6222414	6252597	2597	5	2004	0	20	616232	6079699	13K14	392	118	.2	19.0	.5	1.13	.2	25	26	6	7	18	13	.2	11	1.9
6222415	6252598	2598	5	2004	0	20	613190	6080125	13K14	328	211	.3	28.0	2.0	1.24	.4	43	44	8	10	17	14	.2	24	2.9
6222416	6252599	2599	5	2004	0	20	610480	6078879	13K14	N.A.	225	.3	N.A.	N.A.	2.16	.5	N.A.	88	N.A.	47	N.A.	21	N.A.	96	4.1
6222417	6252600	2600	5	2004	1	20	609060	6078213	13K14	264	192	.4	21.0	.5	1.39	.2	49	52	13	16	26	25	.2	18	2.3
6222418	6252601	2601	5	2004	2	20	609060	6078213	13K14	25	196	.4	22.0	2.0	1.41	.2	49	55	14	18	34	25	.2	19	2.4
6222419	6252602	2602	5	2004	0	20	608216	6079548	13K14	25	68	.1	15.0	.5	.52	.1	25	32	3	3	5	9	.2	16	1.4
6222421	6252603	2603	5	2004	0	20	605594	6078908	13K14	288	139	.3	69.0	.5	1.12	.3	42	42	10	10	24	25	.2	50	1.9
6222422	6252604	2604	5	2004	0	20	601186	6078377	13K14	25	63	.2	33.0	.5	1.06	.3	13	13	8	8	26	18	.2	15	1.3
6222423	6252605	2605	5	2004	0	20	598799	6077798	13K14	N.A.	56	.1	N.A.	N.A.	.88	.2	N.A.	19	N.A.	8	N.A.	10	N.A.	18	1.3
6222424	6252606	2606	5	2004	0	20	597994	6075483	13K14	25	68	.2	28.0	3.0	1.13	.1	23	21	5	4	5	9	.2	52	2.1
6222425	6252607	2607	5	2004	0	20	598844	6074870	13K14	312	385	.8	12.0	5.0	3.12	.1	49	55	15	16	37	29	.2	29	3.1
6222426	6252608	2608	5	2004	0	20	597308	6073099	13K14	25	163	.3	27.0	2.0	1.14	.3	19	22	8	8	20	15	.2	19	1.4
6222427	6252609	2609	5	2004	0	20	597973	6072109	13K14	240	285	.5	16.0	2.0	1.91	.2	28	33	19	19	30	24	2.0	21	1.7
6222428	6252610	2610	5	2004	0	20	599206	6070986	13K14	264	314	.4	38.0	3.0	.75	.8	37	45	98	104	14	14	.2	22	7.5
6222429	6252611	2611	5	2004	0	20	597381	6068506	13K14	384	403	.8	9.0	3.0	2.46	.1	44	44	14	15	42	36	.2	15	2.3
6222431	6252612	2612	5	2004	0	20	597519	6067342	13K11	25	145	.3	24.0	.5	1.05	.2	36	39	12	9	15	19	.2	20	2.3
6222432	6252613	2613	5	2004	0	20	596780	6065003	13K11	25	206	.5	27.0	.5	1.70	.3	45	50	22	25	22	25	.2	39	2.4
6222433	6252614	2614	5	2004	0	20	600251	6065848	13K11	376	248	.5	18.0	5.0	3.33	.1	32	36	17	27	33	22	.2	14	2.0
6222434	6252615	2615	5	2004	0	20	601380	6064460	13K11	224	178	.4	15.0	.5	1.89	.2	48	45	13	13	27	16	.2	29	2.7
6222435	6252616	2616	5	2004	0	20	602030	6061719	13K11	184	93	.4	31.0	.5	1.04	.4	74	79	11	12	19	19	.2	60	4.5
6222436	6252617	2617	5	2004	0	20	603866	6061206	13K11	280	265	.5	28.0	.5	2.16	.4	60	68	63	64	22	22	.2	52	4.2

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Ba1	Ba2	Be2	Br1	Ca1	Ca2	Cd2	Ce1	Ce2	Co1	Co2	Cr1	Cr2	Cs1	Cu2	Dy2
6222437	6252618	2618	5	2004	0	20	606733	6060660	13K11	272	164	.4	30.0	.5	.91	.2	45	50	13	12	21	13	.2	26	3.6
6222438	6252619	2619	5	2004	0	20	608846	6061480	13K11	25	160	.4	26.0	.5	.97	.3	63	69	18	19	23	18	.2	82	4.6
6222439	6252620	2620	5	2004	1	20	606941	6064250	13K11	25	153	.3	34.0	.5	1.50	.4	44	44	47	44	21	14	.2	27	2.5
6222441	6252621	2621	5	2004	2	20	606941	6064250	13K11	25	180	.3	44.0	.5	1.64	.4	43	33	57	50	22	15	.2	22	2.1
6222442	6252622	2622	5	2004	0	20	605693	6063867	13K11	25	101	.2	30.0	2.0	.62	.5	38	32	81	74	29	13	.2	24	2.3
6222443	6252623	2623	5	2004	0	20	604166	6064198	13K11	168	146	.4	38.0	.5	1.03	.5	65	53	51	49	27	21	.2	51	4.7
6222444	6252624	2624	5	2004	0	20	605799	6065870	13K11	192	103	.2	20.0	.5	1.00	.3	36	26	14	11	12	11	.2	20	1.9
6222445	6252625	2625	5	2004	0	20	603735	6066355	13K11	25	94	.1	25.0	.5	.98	.2	28	23	17	15	13	13	.2	19	1.9
6222446	6252626	2626	5	2004	0	20	602804	6066355	13K11	440	518	1.0	12.0	4.0	3.18	.1	68	55	16	15	39	35	2.0	35	4.0
6222447	6252627	2627	5	2004	0	20	603345	6068581	13K14	25	96	.1	26.6	.5	.81	.3	29	19	11	11	14	16	2.0	24	1.6
6222448	6252628	2628	5	2004	0	20	601613	6068984	13K14	232	233	.4	6.9	3.0	3.07	.3	56	44	21	22	34	27	.2	37	4.4
6222449	6252629	2629	5	2004	0	20	600301	6068426	13K14	240	48	.1	16.1	.5	.87	.2	38	30	17	15	14	9	.2	38	2.5
6222451	6252630	2630	5	2004	0	20	601496	6071136	13K14	168	187	.3	17.5	.5	2.40	.3	33	24	17	15	23	16	.2	16	1.4
6222452	6252631	2631	5	2004	0	20	606380	6074818	13K14	144	36	.1	9.1	.5	.53	.1	11	4	3	2	12	8	.2	6	.2
6222453	6252632	2632	5	2004	0	20	605308	6074813	13K14	160	98	.1	5.8	.5	.77	.1	21	15	13	12	18	10	.2	12	1.7
6222454	6252633	2633	5	2004	0	20	604677	6075822	13K14	25	38	.1	9.8	.5	.67	.1	2	5	5	2	14	13	.2	7	.1
6222455	6252634	2634	5	2004	0	20	601954	6076470	13K14	25	47	.1	14.7	.5	.78	.1	2	10	10	9	11	10	.2	26	.7
6222456	6252635	2635	5	2004	0	20	600716	6076265	13K14	208	151	.3	41.3	.5	1.80	.4	31	24	55	54	51	40	.2	38	1.7
6222457	6252636	2636	5	2004	0	20	627719	6087438	13K14	200	142	.4	28.7	.5	.93	.4	44	36	10	9	17	16	.2	24	2.4
6222459	6252638	2638	5	2004	0	20	624257	6090794	13K14	25	158	.5	24.5	.5	1.05	.3	87	53	8	4	23	17	.2	29	2.1
6222461	6252639	2639	5	2004	0	20	626304	6092979	13K14	432	625	1.2	6.4	5.0	2.96	.2	86	91	23	21	81	56	.2	25	3.7
6222462	6252640	2640	5	2004	0	20	626255	6094455	13K14	25	149	.3	7.7	.5	.78	.2	39	40	4	3	5	10	.2	8	2.0
6222463	6252641	2641	5	2004	0	20	624575	6094804	13K14	160	74	.2	21.0	.5	1.02	.2	35	42	7	6	23	17	.2	17	1.9
6222464	6252642	2642	5	2004	1	20	622983	6095924	13K14	25	73	.4	23.8	.5	.72	.3	100	98	10	7	21	19	.2	30	2.5
6222465	6252643	2643	5	2004	2	20	622983	6095924	13K14	184	78	.5	24.5	.5	.80	.4	120	115	10	8	25	23	.2	37	3.0
6222466	6252644	2644	5	2004	0	20	623872	6092915	13K14	296	202	.5	9.1	.5	.99	.2	57	53	5	5	22	19	.2	32	2.7
6222467	6252645	2645	5	2004	0	20	622695	6091530	13K14	456	202	.3	14.7	.5	.85	.2	52	51	6	4	21	11	.2	14	2.2
6222468	6252646	2646	5	2004	0	20	620986	6090414	13K14	224	365	.6	3.6	4.0	4.49	.2	35	44	21	22	75	60	.2	16	2.1
6222469	6252647	2647	5	2004	0	20	619703	6090121	13K14	25	114	.2	10.5	.5	.93	.4	43	46	10	8	19	14	.2	25	2.0
6222471	6252648	2648	5	2004	0	20	618150	6089707	13K14	25	166	.5	47.0	.5	1.40	.6	96	115	17	15	35	26	.2	43	3.7
6222472	6252649	2649	5	2004	0	20	603980	6072378	13K14	240	336	.6	25.0	3.0	3.26	.3	39	49	30	30	34	33	.2	26	2.9
6222473	6252650	2650	5	2004	0	20	601301	6074711	13K14	25	112	.2	44.0	3.0	1.27	.5	19	24	17	13	20	20	.2	65	2.1
6222474	6252651	2651	5	2004	0	20	613039	6083297	13K14	960	55	.2	36.0	.5	.89	.3	35	24	14	5	45	20	.2	19	.8
6222475	6252652	2652	5	2004	0	20	614530	6083191	13K14	25	69	.1	14.0	.5	.72	.2	32	30	5	2	18	10	.2	12	.7
6222476	6252653	2653	5	2004	0	20	614736	6084388	13K14	248	212	.4	13.0	.5	1.93	.3	50	56	14	11	21	24	.2	21	2.3
6222477	6252654	2654	5	2004	0	20	613490	6085880	13K14	264	193	.4	30.0	.5	1.66	.3	42	55	15	14	22	22	.2	23	2.2
6222478	6252655	2655	5	2004	0	20	613279	6087498	13K14	25	115	.3	39.0	.5	.87	.4	52	61	40	37	14	11	.2	22	1.6
6222479	6252656	2656	5	2004	0	20	615386	6087234	13K14	456	310	.8	48.0	.5	2.19	.5	152	176	59	48	36	30	.2	94	6.1
6222481	6252657	2657	5	2004	0	20	616235	6089502	13K14	25	63	.1	17.0	.5	.69	.2	38	42	5	4	16	11	.2	14	1.6
6222482	6252658	2658	5	2004	0	20	613497	6091444	13K14	25	112	.3	17.0	.5	1.03	.4	65	74	11	11	36	19	.2	29	2.7
6222483	6252659	2659	5	2004	0	20	616218	6092643	13K14	328	169	.3	20.0	.5	1.32	.4	62	72	15	12	33	21	.2	42	2.8
6222484	6252660	2660	5	2004	0	20	615248	6094192	13K14	25	92	.2	24.0	2.0	.93	.2	26	30	6	7	18	11	.2	23	1.3
6222485	6252661	2661	5	2004	0	20	615334	6095432	13K14	25	100	.2	12.0	.5	.81	.2	26	29	7	5	18	14	.2	10	1.2
6222486	6252662	2662	5	2004	0	20	617160	6094799	13K14	25	72	.3	25.0	.5	.97	.8	96	111	16	14	26	17	.2	78	4.3
6222487	6252663	2663	5	2004	1	20	617345	6093269	13K14	25	143	.3	13.0	.5	1.46	.2	120	149	10	9	34	21	.2	89	4.4
6222488	6252664	2664	5	2004	2	20	617345	6093269	13K14	320	546	.9	4.4	5.0	4.13	.1	49	68	11	12	41	37	.2	35	3.1
6222489	6252665	2665	5	2004	0	20	618472	6093882	13K14	25	50	.1	18.0	.5	.37	.2	20	24	7	3	5	5	.2	9	.7
6222491	6252666	2666	5	2004	0	20	618950	6092180	13K14	25	63	.1	23.0	.5	.79	.2	69	89	8	5	5	10	.2	36	2.7

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Ba1	Ba2	Be2	Br1	Ca1	Ca2	Cd2	Ce1	Ce2	Co1	Co2	Cr1	Cr2	Cs1	Cu2	Dy2
6222492	6252667	2667	5	2004	0	20	619600	6088563	13K14	376	101	.3	18.9	.5	.93	.2	70	59	10	8	18	15	.2	23	2.2
6222493	6252668	2668	5	2004	0	20	617825	6087263	13K14	240	214	.5	42.0	.5	1.52	.2	70	61	11	9	37	23	.2	27	2.7
6222494	6252669	2669	5	2004	0	20	619020	6086526	13K14	25	58	.1	14.7	.5	.67	.3	59	43	8	6	14	11	.2	16	2.1
6222495	6252670	2670	5	2004	0	20	618410	6085023	13K14	256	129	.5	23.1	.5	1.02	.4	100	100	10	9	30	20	.2	64	4.6
6222496	6252671	2671	5	2004	0	20	616514	6083548	13K14	296	400	.5	1.8	7.0	4.84	.1	26	29	14	13	33	29	.2	9	1.7
6222497	6252672	2672	5	2004	0	20	618033	6081425	13K14	296	80	.3	23.8	.5	.91	.6	42	38	6	5	11	12	.2	25	2.5
6222498	6252673	2673	5	2004	0	20	619637	6081600	13K14	240	192	.4	8.4	.5	1.08	.3	38	32	11	8	21	16	.2	30	2.1
6222499	6252674	2674	5	2004	0	20	620647	6082794	13K14	200	194	.5	13.3	.5	1.26	.4	46	42	12	11	28	21	.2	28	2.3
6222501	6252675	2675	5	2004	0	20	621500	6084503	13K14	25	41	.2	18.2	2.0	.98	.5	36	29	11	9	14	10	.2	69	1.5
6222502	6252676	2676	5	2004	0	20	622741	6082033	13K14	25	92	.4	33.6	.5	.52	.5	52	48	32	30	21	16	.2	20	1.8
6222503	6252677	2677	5	2004	0	20	624759	6081379	13K14	25	164	.4	24.0	.5	1.04	.3	42	44	10	8	14	15	.2	13	2.6
6222504	6252678	2678	5	2004	0	20	626419	6080798	13K14	680	155	.5	75.0	4.0	1.19	.4	71	73	15	11	24	23	.2	29	3.6
6222505	6252679	2679	5	2004	0	20	624959	6083635	13K14	25	119	.4	32.0	.5	.66	.2	36	41	5	4	13	10	.2	14	2.1
6222506	6252680	2680	5	2004	0	20	626738	6083579	13K14	160	203	.6	37.0	.5	1.25	.3	41	48	23	21	22	21	.2	18	2.5
6222507	6252681	2681	5	2004	0	20	627222	6085096	13K14	25	146	.5	52.0	3.0	.90	.4	42	51	12	10	25	20	.2	19	2.7
6222508	6252682	2682	5	2004	0	20	625513	6085380	13K14	25	50	.1	28.0	.5	.45	.2	12	15	6	5	5	9	.2	7	1.0
6222509	6252683	2683	5	2004	0	20	624413	6087514	13K14	208	141	.5	37.0	.5	1.04	.6	55	68	23	22	22	24	.2	53	3.3
6222511	6252684	2684	5	2004	1	20	622752	6087510	13K14	248	53	.2	40.0	.5	.56	.4	24	26	8	5	11	10	.2	28	1.6
6222512	6252685	2685	5	2004	2	20	622752	6087510	13K14	96	54	.2	39.0	.5	.60	.3	30	24	7	5	10	9	.2	30	1.7
6222513	6252686	2686	5	2004	0	20	604511	6044449	13K11	192	222	.6	26.0	.5	.67	.4	57	63	6	4	12	13	.2	22	4.9
6222514	6252687	2687	5	2004	0	20	605208	6045507	13K11	264	221	.3	21.0	.5	.77	.4	35	36	6	4	18	13	.2	85	5.2
6222515	6252688	2688	5	2004	0	20	606174	6044903	13K11	656	437	1.2	25.2	.5	1.47	.6	105	101	16	12	46	32	.2	39	6.5
6222516	6252689	2689	5	2004	0	20	606740	6045747	13K11	600	488	1.3	13.3	4.0	1.56	.3	84	85	18	18	54	43	.2	27	4.8
6222517	6252690	2690	5	2004	0	20	610332	6043879	13K11	328	259	.4	14.0	.5	.77	.2	17	13	5	4	25	17	.2	28	5.4
6222518	6252691	2691	5	2004	0	20	611187	6044298	13K11	576	508	1.2	5.5	3.0	1.93	.1	46	55	15	13	48	37	.2	20	3.8
6222521	6252693	2693	5	2004	0	20	614148	6043712	13K11	N.A.	362	1.7	N.A.	N.A.	1.87	2.1	N.A.	138	N.A.	15	N.A.	42	N.A.	371	12.3
6222522	6252694	2694	5	2004	0	20	615929	6044100	13K11	304	276	.9	37.1	3.0	.88	1.1	67	68	9	9	41	28	.2	118	5.3
6222523	6252695	2695	5	2004	0	20	618562	6044372	13K11	616	571	1.3	10.5	.5	2.11	.3	59	75	17	20	54	47	2.0	58	4.8
6222524	6252696	2696	5	2004	0	20	618721	6045413	13K11	280	143	.2	17.5	.5	.76	.5	42	36	4	3	22	14	.2	25	2.8
6222525	6252697	2697	5	2004	0	20	622906	6044977	13K11	496	441	1.4	30.8	3.0	1.63	1.0	84	86	13	11	79	54	.2	55	6.1
6222526	6252698	2698	5	2004	0	20	624840	6044333	13K11	25	153	.5	40.6	.5	.88	.4	57	53	7	5	26	16	.2	22	3.0
6222527	6252699	2699	5	2004	0	20	624836	6046247	13K11	536	603	1.3	3.6	2.0	2.42	.6	52	73	19	19	50	46	.2	42	4.1
6222528	6252700	2700	5	2004	0	20	623327	6046848	13K11	360	360	1.1	19.0	3.0	1.58	.6	70	83	13	12	36	30	.2	25	4.6
6222529	6252701	2701	5	2004	0	20	625730	6048234	13K11	800	456	1.6	40.0	.5	.97	1.6	147	147	58	56	34	29	.2	57	9.4
6222531	6252702	2702	5	2004	0	20	623984	6048536	13K11	464	330	1.0	19.0	.5	1.24	.5	77	83	11	10	32	29	1.0	33	4.9
6222532	6252703	2703	5	2004	0	20	620837	6048606	13K11	224	156	.2	25.0	.5	.78	.2	29	28	6	5	25	18	.2	11	1.7
6222533	6252704	2704	5	2004	0	20	620220	6046712	13K11	25	132	.3	29.0	.5	1.07	.4	53	56	9	8	17	13	.2	35	3.6
6222534	6252705	2705	5	2004	1	20	618482	6047458	13K11	392	229	.7	41.0	.5	1.08	.6	60	55	10	10	33	26	.2	81	4.4
6222535	6252706	2706	5	2004	2	20	618482	6047458	13K11	264	182	.5	45.0	2.0	.84	.4	46	44	9	6	26	20	.2	65	3.4
6222536	6252707	2707	5	2004	0	20	615784	6046708	13K11	328	254	.6	54.0	.5	1.25	.5	84	78	13	10	38	28	.2	40	4.2
6222537	6252708	2708	5	2004	0	20	613725	6046145	13K11	456	429	.8	13.0	5.0	1.79	.3	48	51	12	12	50	39	2.0	69	3.6
6222538	6252709	2709	5	2004	0	20	610999	6048567	13K11	576	491	.8	32.0	.5	1.29	.4	50	62	17	15	46	35	.2	30	3.5
6222539	6252710	2710	5	2004	0	20	612077	6050722	13K11	320	231	1.3	78.0	.5	.77	.8	147	164	16	13	41	34	.2	65	8.3
6222541	6252711	2711	5	2004	0	20	614595	6049079	13K11	608	476	1.1	16.0	.5	1.79	.2	70	80	17	19	58	53	.2	38	4.2
6222542	6252712	2712	5	2004	0	20	615893	6050426	13K11	344	325	.7	22.0	.5	1.24	.3	35	36	11	9	51	35	.2	26	2.7
6222543	6252713	2713	5	2004	0	20	618347	6051927	13K11	25	84	.1	22.0	.5	.50	.2	37	26	6	3	10	9	.2	15	2.2
6222544	6252714	2714	5	2004	0	20	620255	6051999	13K11	624	97	.2	21.0	.5	.56	.2	36	37	6	4	37	12	.2	14	2.4
6222545	6252715	2715	5	2004	0	20	621245	6053026	13K11	25	132	.3	30.0	.5	.72	.3	35	40	9	7	20	15	2.0	20	2.3

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Ba1	Ba2	Be2	Br1	Ca1	Ca2	Cd2	Ce1	Ce2	Co1	Co2	Cr1	Cr2	Cs1	Cu2	Dy2
6222546	6252716	2716	5	2004	0	20	622371	6050606	13K11	176	107	.2	44.0	.5	.77	.2	20	14	12	7	30	22	.2	15	1.2
6222547	6252717	2717	5	2004	0	20	625892	6051900	13K11	416	413	1.1	12.0	.5	1.58	.1	66	64	14	12	55	47	.2	26	4.9
6222548	6252718	2718	5	2004	0	20	627954	6057784	13K11	25	140	.4	31.0	.5	.81	.5	43	47	9	7	25	18	3.0	33	2.8
6222549	6252719	2719	5	2004	0	20	625948	6057629	13K11	328	133	.5	40.0	.5	.74	.5	52	56	8	7	26	21	.2	20	2.6
6222551	6252720	2720	5	2004	0	20	626516	6058440	13K11	248	135	.5	43.0	.5	.79	.8	59	67	13	12	21	22	.2	28	3.2
6222552	6252721	2721	5	2004	0	20	626255	6059306	13K11	304	127	.7	62.0	.5	.77	1.0	70	78	11	11	25	25	.2	45	4.1
6222553	6252722	2722	5	2004	0	20	628588	6060943	13K11	25	180	.5	37.0	.5	.87	.6	57	59	9	8	36	24	.2	23	2.9
6222554	6252723	2723	5	2004	0	20	625557	6060521	13K11	392	117	.7	51.0	.5	.91	.7	84	80	10	7	24	20	.2	31	3.2
6222555	6252724	2724	5	2004	0	20	626958	6063012	13K11	344	250	.7	50.0	3.0	1.26	.6	77	80	15	14	32	25	.2	38	3.8
6222556	6252725	2725	5	2004	0	20	628611	6064379	13K11	384	115	.4	31.0	.5	.82	1.0	56	55	13	11	16	12	.2	27	2.3
6222557	6252726	2726	5	2004	1	20	628693	6067481	13K11	344	253	.8	29.0	.5	.95	.6	98	106	11	11	36	28	.2	25	4.7
6222558	6252727	2727	5	2004	2	20	628693	6067481	13K11	400	237	.8	29.0	.5	.90	.5	112	113	12	11	30	27	.2	27	4.9
6222559	6252728	2728	5	2004	0	20	626396	6064885	13K11	208	147	.6	45.0	.5	.96	.4	67	64	12	10	11	15	.2	32	3.1
6222561	6252729	2729	5	2004	0	20	624623	6063926	13K11	456	278	.6	13.3	3.0	.87	.3	48	47	6	5	24	17	2.0	14	2.2
6222562	6252730	2730	5	2004	0	20	624030	6067389	13K11	25	91	.1	18.9	2.0	.53	.5	39	37	4	3	15	9	.2	19	2.4
6222563	6252731	2731	5	2004	0	20	620005	6067679	13K11	880	225	.8	33.6	.5	2.44	.4	140	145	45	51	30	28	2.0	30	6.8
6222564	6252732	2732	5	2004	0	20	618060	6066551	13K11	25	96	.9	52.5	.5	.82	.6	98	111	11	13	32	25	.2	42	6.2
6222565	6252733	2733	5	2004	0	20	616894	6066551	13K11	464	228	1.2	50.4	.5	1.61	.7	196	171	24	23	64	49	.2	173	7.5
6222566	6252734	2734	5	2004	0	20	614178	6066473	13K11	272	139	.5	37.1	.5	.99	.4	98	88	10	9	30	22	.2	57	4.2
6222567	6252735	2735	5	2004	0	20	612705	6066764	13K11	480	383	.8	16.1	4.0	2.22	.3	55	58	19	22	32	32	.2	14	3.6
6222568	6252736	2736	5	2004	0	20	608774	6067763	13K11	352	98	.3	34.3	.5	.52	.5	140	132	6	6	14	9	.2	19	13.3
6222569	6252737	2737	5	2004	0	20	612880	6063249	13K11	248	159	.4	21.7	.5	.64	.3	49	47	4	4	13	13	.2	16	2.8
6222571	6252738	2738	5	2004	0	20	615325	6064084	13K11	25	133	.2	23.8	.5	.50	.2	46	46	5	3	13	11	.2	13	2.5
6222572	6252739	2739	5	2004	0	20	620228	6065970	13K11	264	130	1.1	49.0	.5	.75	.8	154	165	19	20	30	28	.2	60	7.3
6222573	6252740	2740	5	2004	1	20	621671	6065092	13K11	256	153	.8	24.5	.5	.72	.5	112	108	6	8	24	22	.2	19	5.6
6222574	6252741	2741	5	2004	2	20	621671	6065092	13K11	400	177	.9	21.0	.5	.84	.6	119	121	7	8	27	24	2.0	25	6.2
6222575	6252742	2742	5	2004	0	20	624044	6061915	13K11	192	151	.5	35.0	.5	1.07	.5	84	90	6	6	20	19	.2	42	4.0
6222576	6252743	2743	5	2004	0	20	622542	6062121	13K11	248	183	.6	19.6	.5	.82	.7	91	90	13	14	27	22	.2	19	4.0
6222577	6252744	2744	5	2004	0	20	620607	6063636	13K11	408	333	.9	25.9	3.0	1.14	.4	91	93	12	13	55	50	.2	22	4.6
6222578	6252745	2745	5	2004	0	20	618227	6062240	13K11	25	202	.7	21.0	.5	.62	.4	98	102	35	40	40	30	.2	18	4.8
6222579	6252746	2746	5	2004	0	20	616450	6062354	13K11	25	180	.4	20.3	.5	.61	.2	68	62	5	5	35	22	.2	14	3.6
6222581	6252747	2747	5	2004	0	20	614200	6061750	13K11	179	177	.5	17.5	.5	.56	.3	91	93	6	6	25	18	.2	17	4.8
6222582	6252748	2748	5	2004	0	20	612183	6061598	13K11	880	723	1.4	5.4	3.0	2.40	.4	105	118	20	21	49	49	.2	48	7.4
6222583	6252749	2749	5	2004	0	20	613424	6060199	13K11	720	361	1.5	29.4	.5	1.30	.7	287	274	39	40	84	65	.2	137	13.2
6222584	6252750	2750	5	2004	0	20	616406	6061037	13K11	568	495	1.2	13.3	.5	1.40	.4	154	176	11	12	34	42	.2	35	9.1
6222585	6252751	2751	5	2004	0	20	618120	6059923	13K11	768	710	1.5	6.4	.5	2.49	.3	112	129	14	17	52	49	1.0	58	6.7
6222586	6252752	2752	5	2004	0	20	620150	6062578	13K11	25	170	.9	24.5	.5	.64	.7	203	205	13	14	21	23	2.0	65	10.8
6222587	6252753	2753	5	2004	0	20	620880	6060316	13K11	25	59	.2	18.9	.5	.65	.3	112	113	6	6	14	10	.2	33	3.9
6222588	6252754	2754	5	2004	0	20	622165	6060390	13K11	384	276	.9	22.4	.5	1.20	.7	105	112	9	10	35	31	.2	28	4.7
6222589	6252755	2755	5	2004	0	20	622369	6057957	13K11	280	168	.6	27.3	.5	.72	1.1	84	87	16	19	28	25	.2	30	3.6
6222591	6252756	2756	5	2004	0	20	621246	6057199	13K11	25	76	.1	18.2	.5	.43	.2	37	34	4	2	15	13	.2	18	1.8
6222592	6252757	2757	5	2004	0	20	618003	6058085	13K11	600	183	1.0	29.4	.5	.77	.6	336	356	11	13	14	26	.2	81	15.3
6222593	6252758	2758	5	2004	1	20	616068	6057000	13K11	25	116	.5	32.9	.5	.37	.5	84	83	8	7	15	27	.2	18	3.7
6222594	6252759	2759	5	2004	2	20	616068	6057000	13K11	408	109	.6	30.1	.5	.36	.5	91	82	6	5	15	16	.2	18	3.6
6222595	6252760	2760	5	2004	0	20	613943	6057543	13K11	166	183	.7	29.4	.5	.59	.3	91	97	7	8	29	27	.2	27	6.1
6222596	6252761	2761	5	2004	0	20	612092	6059807	13K11	25	228	.8	24.5	.5	.64	.7	84	90	10	10	25	51	.2	23	6.7
6222597	6252762	2762	5	2004	0	20	610350	6057184	13K11	704	713	1.7	18.2	3.0	2.19	.7	133	150	18	22	64	69	.2	44	7.7
6222598	6252763	2763	5	2004	0	20	608975	6059330	13K11	624	405	.9	18.2	5.0	2.32	.4	77	82	26	28	42	39	.2	26	4.7

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Ba1	Ba2	Be2	Br1	Ca1	Ca2	Cd2	Ce1	Ce2	Co1	Co2	Cr1	Cr2	Cs1	Cu2	Dy2
6222599	6252764	2764	5	2004	0	20	606952	6059273	13K11	456	332	.7	16.8	4.0	2.74	.5	53	56	42	48	32	30	.2	36	3.0
6222601	6252765	2765	5	2004	0	20	604659	6058265	13K11	640	520	1.7	22.4	5.0	2.20	.6	140	160	25	30	49	43	2.0	37	9.2
6222602	6252766	2766	5	2004	0	20	601642	6058654	13K11	464	473	.6	14.7	2.0	1.46	.3	58	62	32	36	35	25	.2	25	2.8
6222603	6252767	2767	5	2004	0	20	600194	6059955	13K11	280	190	.4	21.0	.5	1.42	.4	48	45	14	15	22	22	.2	20	3.0
6222604	6252768	2768	5	2004	0	20	599941	6061996	13K11	224	77	.2	36.4	.5	.77	.3	25	20	11	7	10	10	2.0	21	1.8
6222605	6252769	2769	5	2004	0	20	599708	6063486	13K11	368	110	.2	20.3	3.0	1.32	.3	22	20	19	15	15	11	.2	15	1.6
6222606	6252770	2770	5	2004	0	20	607290	6050972	13K11	484	332	.7	54.6	.5	.72	.4	77	69	12	9	18	11	.2	11	4.0
6222607	6252771	2771	5	2004	0	20	607421	6052996	13K11	220	185	.7	39.9	.5	.83	.3	84	83	6	5	13	12	.2	13	4.9
6222608	6252772	2772	5	2004	0	20	604696	6052880	13K11	472	185	1.2	56.7	.5	1.04	.5	147	142	17	12	5	16	.2	17	9.3
6222609	6252773	2773	5	2004	0	20	604702	6051715	13K11	25	131	.4	37.8	.5	.44	.4	55	48	7	4	5	8	.2	11	3.7
6222611	6252774	2774	5	2004	0	20	603247	6050149	13K11	304	223	.4	23.8	.5	.41	.3	45	46	5	2	10	9	.2	6	6.1
6222612	6252775	2775	5	2004	0	20	602740	6051780	13K11	544	484	.9	7.0	6.0	2.80	.1	38	51	17	16	37	36	.2	7	2.1
6222613	6252776	2776	5	2004	0	20	601214	6052663	13K11	520	424	.9	8.4	3.0	2.29	.2	68	69	18	15	35	34	4.0	11	3.6
6222614	6252777	2777	5	2004	0	20	601128	6050628	13K11	248	231	.6	23.8	.5	.63	.4	98	95	6	4	15	10	.2	11	6.1
6222615	6252778	2778	5	2004	0	20	596961	6049839	13K11	360	156	.3	38.5	2.0	.68	.3	36	33	7	5	24	13	.2	12	2.2
6222616	6252779	2779	5	2004	0	20	598805	6052240	13K11	504	456	.9	5.4	3.0	2.49	.2	48	56	20	17	39	35	2.0	10	2.8
6222617	6252780	2780	5	2004	1	20	598519	6055273	13K11	232	268	.5	42.7	.5	1.39	.3	55	59	17	14	20	20	.2	24	3.6
6222618	6252781	2781	5	2004	2	20	598519	6055273	13K11	232	250	.5	41.3	4.0	1.30	.3	50	61	14	13	22	21	.2	27	3.8
6222619	6252782	2782	5	2004	0	20	599677	6055357	13K11	424	330	.8	36.4	4.0	1.61	.3	84	93	10	9	36	30	.2	46	5.2
6222621	6252783	2783	5	2004	0	20	601932	6055145	13K11	528	399	.9	23.8	3.0	2.19	.2	68	78	24	23	32	29	3.0	23	4.8
6222622	6252784	2784	5	2004	0	20	603275	6054939	13K11	25	134	.9	55.3	.5	.71	.7	140	147	9	7	17	16	.2	29	6.5
6222623	6252785	2785	5	2004	0	20	606018	6054073	13K11	138	155	1.2	50.4	.5	1.17	.5	168	167	11	9	13	15	.2	15	8.9
6222624	6252786	2786	5	2004	0	20	607538	6054188	13K11	512	209	1.1	35.0	.5	.68	.3	105	108	10	9	13	13	.2	8	6.0
6222625	6252787	2787	5	2004	0	20	607501	6057440	13K11	320	412	1.9	56.7	.5	1.38	.6	182	194	38	35	32	30	.2	22	10.6
6222626	6252788	2788	5	2004	0	20	604055	6056924	13K11	258	223	.8	36.4	.5	.77	.3	98	93	14	10	5	15	.2	11	5.3
6222627	6252789	2789	5	2004	0	20	602857	6056136	13K11	320	283	.6	53.9	.5	.74	.4	112	105	42	35	17	15	.2	34	3.1
6222628	6252790	2790	5	2004	0	20	600388	6056698	13K11	25	92	.3	84.0	.5	.65	.4	56	54	41	33	22	13	.2	34	3.1
6222629	6252791	2791	5	2004	0	20	598414	6057686	13K11	205	109	.3	32.2	.5	.55	.3	53	53	21	18	16	16	.2	28	2.8
6222631	6252792	2792	5	2004	0	20	597550	6059064	13K11	282	208	.5	38.5	3.0	1.55	.3	54	52	18	14	23	20	.2	30	3.2
6222632	6252793	2793	5	2004	0	20	598002	6060674	13K11	275	178	.4	47.6	.5	1.27	.5	41	39	28	23	21	18	.2	25	2.1

* N.A. indicates not analyzed.

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Eu1	F9	Fe1	Fe2	Hf1	K2	La1	La2	Li2	LOI	Lu1	Mg2	Mn2	Mo1
6222331	6252522	2522	5	2004	0	20	609780	6051657	13K11	1.4	240	2.22	2.05	3.2	.52	56	60	4.5	34.64	.70	.37	237	7.0
6222332	6252523	2523	5	2004	0	20	610407	6053269	13K11	1.6	266	1.15	1.19	.5	.06	62	66	.9	41.27	.58	.09	128	16.0
6222333	6252524	2524	5	2004	0	20	611285	6055035	13K11	1.7	257	.97	.85	.5	.11	55	61	1.9	39.64	.40	.13	120	14.0
6222334	6252525	2525	5	2004	0	20	612583	6053506	13K11	1.5	258	2.58	2.42	2.4	.26	50	56	4.6	41.12	.29	.28	657	29.0
6222335	6252526	2526	5	2004	0	20	613685	6054804	13K11	2.6	473	5.24	5.00	1.6	.21	79	82	3.3	45.02	.46	.26	665	47.0
6222336	6252527	2527	5	2004	0	20	614399	6053534	13K11	.2	78	.82	.70	1.6	.24	22	22	3.0	28.29	.22	.19	109	23.0
6222337	6252528	2528	5	2004	0	20	616222	6055146	13K11	1.0	73	1.18	1.19	.5	.15	44	49	2.1	38.49	.33	.14	415	22.0
6222338	6252529	2529	5	2004	0	20	616906	6054197	13K11	.8	110	1.33	1.04	1.6	.22	25	27	2.8	27.04	.26	.24	273	16.0
6222339	6252530	2530	5	2004	0	20	618724	6055614	13K11	2.3	156	5.12	4.55	4.8	.87	45	47	11.1	16.21	.38	.57	4093	51.0
6222341	6252531	2531	5	2004	0	20	619472	6053792	13K11	1.0	84	.77	.75	.5	.07	23	25	1.2	39.51	.05	.15	184	.2
6222342	6252532	2532	5	2004	0	20	621075	6055384	13K11	2.6	111	8.02	7.65	1.6	.30	79	84	4.0	35.21	.54	.24	4584	49.0
6222343	6252533	2533	5	2004	0	20	622744	6054186	13K11	1.3	188	3.17	3.33	5.6	1.10	17	20	9.8	6.60	.25	.90	561	14.0
6222344	6252534	2534	5	2004	0	20	623647	6055815	13K11	1.9	173	6.43	6.26	2.4	.35	57	61	4.9	36.99	.40	.28	2774	36.0
6222345	6252535	2535	5	2004	0	20	625561	6054397	13K11	.2	34	.65	.56	.5	.10	4	4	.8	42.66	.05	.10	62	.2
6222346	6252536	2536	5	2004	0	20	627992	6055959	13K11	1.1	85	1.21	1.19	3.2	.59	22	25	5.8	19.60	.23	.38	225	6.0
6222347	6252537	2537	5	2004	0	20	628742	6053353	13K11	1.6	156	2.29	2.13	5.6	.87	43	52	9.5	19.67	.42	.67	329	6.0
6222348	6252538	2538	5	2004	0	20	628391	6051381	13K11	1.7	63	.82	.82	1.6	.22	42	47	3.8	38.46	.26	.19	161	.2
6222349	6252539	2539	5	2004	0	20	627349	6050544	13K11	2.3	110	2.98	3.02	3.2	.57	48	56	7.4	34.93	.46	.40	1322	17.0
6222351	6252540	2540	5	2004	0	20	628615	6048752	13K11	1.8	228	5.30	5.38	3.2	.97	50	54	10.2	23.46	.38	.74	1050	22.0
6222352	6252541	2541	5	2004	1	20	627511	6048667	13K11	2.3	113	3.60	3.58	2.4	.37	63	69	5.2	37.08	.44	.29	1573	9.0
6222353	6252542	2542	5	2004	2	20	627511	6048667	13K11	2.7	129	4.27	4.18	2.4	.37	88	77	5.3	39.38	.53	.31	1902	6.0
6222354	6252543	2543	5	2004	0	20	626749	6046081	13K11	2.0	296	4.00	3.95	6.4	1.43	48	42	13.6	8.59	.42	.83	2198	6.0
6222355	6252544	2544	5	2004	0	20	627241	6045031	13K11	N.A.	114	N.A.	9.28	N.A.	.19	N.A.	112	3.6	49.53	N.A.	.21	2013	N.A.
6222356	6252545	2545	5	2004	0	20	629355	6043978	13K11	2.4	312	3.39	3.08	6.4	1.36	82	68	12.6	16.38	.72	.86	1382	15.0
6222357	6252546	2546	5	2004	0	20	628020	6043042	13K11	1.8	63	1.16	.83	.5	.12	62	48	2.3	52.40	.35	.14	334	.2
6222358	6252547	2547	5	2004	0	20	625656	6043407	13K11	N.A.	88	N.A.	9.69	N.A.	.14	N.A.	70	3.1	55.02	N.A.	.19	688	N.A.
6222359	6252548	2548	5	2004	0	20	623700	6041361	13K11	2.8	113	1.34	1.19	2.4	.39	99	85	8.2	35.19	.51	.33	293	77.0
6222361	6252549	2549	5	2004	0	20	621757	6043047	13K11	3.4	64	1.16	1.01	1.6	.20	108	85	3.7	40.65	.80	.21	356	28.0
6222362	6252550	2550	5	2004	0	20	621136	6040818	13K11	3.8	71	6.87	6.49	.5	.14	135	112	3.3	49.46	.57	.18	1322	135.0
6222363	6252551	2551	5	2004	0	20	619500	6041303	13K11	3.8	96	4.04	3.47	1.6	.36	126	98	5.2	34.65	.69	.31	1751	72.0
6222364	6252552	2552	5	2004	0	20	617312	6041356	13K11	N.A.	209	N.A.	2.20	N.A.	.91	N.A.	54	8.6	29.60	N.A.	.60	434	N.A.
6222365	6252553	2553	5	2004	0	20	614130	6042138	13K11	1.9	319	3.10	3.19	7.2	1.43	42	39	11.3	7.01	.43	.97	608	3.0
6222366	6252554	2554	5	2004	0	20	612187	6041041	13K11	2.0	357	3.07	3.24	8.0	1.68	51	47	12.1	10.16	.50	1.01	467	.2
6222367	6252555	2555	5	2004	0	20	611137	6077132	13K14	.7	40	.52	.54	1.6	.15	22	20	2.1	29.21	.08	.21	92	8.0
6222368	6252556	2556	5	2004	0	20	612087	6078632	13K14	.8	92	2.39	2.27	1.6	.23	25	21	3.5	31.75	.22	.45	346	7.0
6222369	6252557	2557	5	2004	0	20	613437	6077132	13K14	.6	81	1.20	1.06	.5	.06	14	11	1.0	36.78	.07	.11	97	21.0
6222371	6252558	2558	5	2004	0	20	614687	6077822	13K14	.8	84	1.33	1.29	.5	.06	18	16	1.1	36.82	.15	.08	105	11.0
6222372	6252559	2559	5	2004	0	20	616137	6076632	13K14	.8	45	.43	.43	1.6	.14	17	15	2.3	32.16	.10	.17	105	14.0
6222373	6252560	2560	5	2004	0	20	617838	6077357	13K14	.6	46	3.06	2.96	.5	.08	21	19	1.5	31.05	.14	.12	392	13.0
6222374	6252561	2561	5	2004	0	20	619637	6076782	13K14	2.0	242	5.76	5.92	1.6	.22	57	51	5.9	45.44	.47	.29	761	40.0
6222375	6252562	2562	5	2004	0	20	621837	6076750	13K14	.8	66	3.33	3.36	.5	.12	24	22	3.6	30.09	.16	.13	360	15.0
6222376	6252563	2563	5	2004	1	20	624637	6075932	13K14	1.8	331	2.64	2.74	6.4	1.40	51	46	9.8	10.61	.43	.73	433	59.0
6222377	6252564	2564	5	2004	2	20	624742	6076095	13K14	1.4	77	1.27	1.34	.8	.19	34	30	3.4	36.59	.18	.17	203	61.0
6222378	6252565	2565	5	2004	0	20	624352	6075197	13K14	1.4	100	4.56	4.52	2.4	.33	37	31	5.4	33.23	.21	.26	1337	92.0
6222379	6252566	2566	5	2004	0	20	623175	6073708	13K14	1.4	93	1.80	1.76	.5	.14	41	36	3.0	52.72	.25	.16	193	13.0
6222381	6252567	2567	5	2004	0	20	619412	6074453	13K14	1.5	70	2.38	2.02	.5	.10	48	41	2.3	56.86	.21	.15	264	15.0
6222382	6252568	2568	5	2004	0	20	617151	6074156	13K14	.8	42	.71	.68	.5	.13	23	20	2.3	34.07	.14	.17	111	.2
6222383	6252569	2569	5	2004	0	20	616758	6075062	13K14	1.0	112	2.15	1.95	4.0	.51	18	17	7.2	29.72	.18	.56	339	7.0

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Eu1	F9	Fe1	Fe2	Hf1	K2	La1	La2	Li2	LOI	Lu1	Mg2	Mn2	Mo1
6222384	6252570	2570	5	2004	0	20	614048	6073983	13K14	1.2	134	2.41	2.52	4.8	.64	18	16	7.6	20.95	.21	.66	430	5.0
6222385	6252571	2571	5	2004	0	20	612119	6073734	13K14	1.4	185	2.53	2.58	4.0	.67	23	21	8.4	14.28	.25	.76	390	10.0
6222386	6252572	2572	5	2004	0	20	612579	6072225	13K14	.5	23	.71	.59	.5	.06	19	17	1.2	34.37	.05	.09	85	4.0
6222387	6252573	2573	5	2004	0	20	611303	6071800	13K14	1.5	135	2.16	2.13	2.4	.41	32	29	6.8	38.74	.21	.51	351	15.0
6222388	6252574	2574	5	2004	0	20	608896	6069333	13K14	1.0	20	.25	.23	.5	.05	23	21	1.0	24.39	.10	.08	26	36.0
6222389	6252575	2575	5	2004	0	20	611162	6070100	13K14	N.A.	62	N.A.	4.26	N.A.	.12	N.A.	41	2.8	60.36	N.A.	.20	479	N.A.
6222391	6252576	2576	5	2004	0	20	613949	6069999	13K14	.2	21	.29	.20	.5	.10	20	19	1.2	19.80	.05	.09	39	.2
6222392	6252577	2577	5	2004	0	20	614910	6070433	13K14	1.2	29	.85	.85	.5	.04	56	55	.9	34.75	.31	.06	95	22.0
6222393	6252578	2578	5	2004	0	20	615809	6071792	13K14	1.7	25	.35	.23	.5	.08	64	65	2.1	23.35	.32	.10	43	15.0
6222394	6252579	2579	5	2004	0	20	617165	6072293	13K14	.7	44	.70	.72	1.6	.15	37	39	3.4	26.90	.18	.18	87	11.0
6222395	6252580	2580	5	2004	1	20	618326	6069151	13K14	.6	38	.62	.58	.5	.07	28	27	1.3	41.85	.21	.10	64	3.0
6222396	6252581	2581	5	2004	2	20	618326	6069151	13K14	.8	33	.56	.50	.5	.06	24	24	1.2	41.69	.05	.09	53	8.0
6222397	6252582	2582	5	2004	0	20	619797	6069084	13K14	2.2	182	2.35	2.54	2.4	.38	69	66	6.0	37.29	.31	.33	204	36.0
6222398	6252583	2583	5	2004	0	20	622052	6070755	13K14	1.3	304	4.17	4.60	1.6	.31	50	44	8.0	48.84	.22	.30	3347	247.0
6222399	6252584	2584	5	2004	0	20	622845	6069980	13K14	.6	65	.37	.44	.5	.06	41	42	1.3	44.18	.28	.10	81	21.0
6222401	6252585	2585	5	2004	0	20	623769	6072387	13K14	1.1	113	.88	.83	1.6	.40	25	23	6.7	39.66	.12	.30	157	34.0
6222402	6252586	2586	5	2004	0	20	625189	6070027	13K14	1.1	105	1.16	1.01	3.2	.39	39	35	4.9	30.64	.21	.29	173	28.0
6222403	6252587	2587	5	2004	0	20	625926	6069631	13K14	.2	317	11.60	9.49	.5	.09	80	44	2.3	46.19	.22	.12	375	508.0
6222404	6252588	2588	5	2004	0	20	628527	6071991	13K14	.9	60	1.92	1.88	.5	.08	41	36	1.7	43.43	.28	.11	228	50.0
6222405	6252589	2589	5	2004	0	20	626571	6072519	13K14	1.2	62	.64	.56	.5	.07	32	27	1.6	39.82	.23	.10	77	48.0
6222406	6252590	2590	5	2004	0	20	626898	6074120	13K14	1.0	89	1.06	1.01	.5	.28	29	26	3.8	42.22	.12	.23	194	20.0
6222407	6252591	2591	5	2004	0	20	627083	6076265	13K14	1.0	239	1.05	.95	.5	.17	39	33	2.4	64.46	.20	.19	125	25.0
6222408	6252592	2592	5	2004	0	20	626569	6079167	13K14	1.7	27	.34	.21	.5	.09	55	53	2.2	39.82	.11	.10	38	18.0
6222409	6252593	2593	5	2004	0	20	624539	6078412	13K14	.7	91	2.02	1.85	4.0	.51	25	22	8.0	30.71	.18	.44	355	6.0
6222411	6252594	2594	5	2004	0	20	622801	6078605	13K14	2.1	125	7.96	7.96	.5	.13	57	51	2.4	40.15	.44	.16	2051	36.0
6222412	6252595	2595	5	2004	0	20	619596	6079053	13K14	.6	44	.82	.77	.5	.10	18	17	1.8	33.57	.12	.12	125	12.0
6222413	6252596	2596	5	2004	0	20	618582	6078574	13K14	.6	37	.70	.62	.5	.06	13	12	1.4	38.18	.11	.10	107	18.0
6222414	6252597	2597	5	2004	0	20	616232	6079699	13K14	.5	66	1.05	.98	.5	.19	14	13	2.3	33.11	.11	.24	141	7.0
6222415	6252598	2598	5	2004	0	20	613190	6080125	13K14	1.0	75	1.31	1.43	.5	.11	31	29	1.8	39.98	.15	.21	131	11.0
6222416	6252599	2599	5	2004	0	20	610480	6078879	13K14	N.A.	70	N.A.	6.41	N.A.	.22	N.A.	62	4.1	48.90	N.A.	.29	242	N.A.
6222417	6252600	2600	5	2004	1	20	609060	6078213	13K14	.9	135	1.98	1.97	.5	.25	31	28	5.8	28.34	.19	.42	301	6.0
6222418	6252601	2601	5	2004	2	20	609060	6078213	13K14	.8	130	2.11	2.06	.5	.26	32	29	6.1	28.96	.21	.43	321	3.0
6222419	6252602	2602	5	2004	0	20	608216	6079548	13K14	.2	35	.30	.20	.5	.06	23	22	1.6	36.55	.05	.10	35	.2
6222421	6252603	2603	5	2004	0	20	605594	6078908	13K14	.8	182	3.38	2.74	.5	.11	25	20	2.1	49.98	.10	.19	265	17.0
6222422	6252604	2604	5	2004	0	20	601186	6078377	13K14	.6	40	1.47	1.23	.5	.11	10	8	1.5	34.91	.08	.19	209	.2
6222423	6252605	2605	5	2004	0	20	598799	6077798	13K14	N.A.	37	N.A.	.45	N.A.	.09	N.A.	10	1.2	43.17	N.A.	.15	81	N.A.
6222424	6252606	2606	5	2004	0	20	597994	6075483	13K14	1.0	37	.70	.68	.5	.12	17	14	1.5	17.97	.14	.18	79	.2
6222425	6252607	2607	5	2004	0	20	598844	6074870	13K14	.9	203	1.98	2.09	5.6	.77	24	23	5.8	14.44	.29	.71	308	.2
6222426	6252608	2608	5	2004	0	20	597308	6073099	13K14	.6	62	.99	.96	1.6	.21	11	10	2.5	36.63	.05	.28	140	.2
6222427	6252609	2609	5	2004	0	20	597973	6072109	13K14	.6	76	4.51	5.09	4.0	.54	14	12	5.0	28.79	.15	.54	359	.2
6222428	6252610	2610	5	2004	0	20	599206	6070986	13K14	.6	98	6.03	6.83	.5	.18	19	18	3.3	34.41	.11	.21	23393	.2
6222429	6252611	2611	5	2004	0	20	597381	6068506	13K14	1.0	157	2.75	3.22	4.8	.77	18	18	8.1	22.17	.22	.77	376	.2
6222431	6252612	2612	5	2004	0	20	597519	6067342	13K11	.8	85	1.56	2.53	2.4	.25	20	20	3.3	33.52	.11	.33	241	.2
6222432	6252613	2613	5	2004	0	20	596780	6065003	13K11	1.2	120	3.65	5.30	2.4	.32	21	20	4.3	28.52	.18	.44	1604	6.0
6222433	6252614	2614	5	2004	0	20	600251	6065848	13K11	.9	135	2.14	2.26	4.0	.43	16	16	5.4	26.60	.19	.67	450	.2
6222434	6252615	2615	5	2004	0	20	601380	6064460	13K11	.9	125	1.62	1.58	.5	.32	25	23	3.6	24.54	.21	.42	286	.2
6222435	6252616	2616	5	2004	0	20	602030	6061719	13K11	1.0	49	3.63	3.90	.5	.14	32	30	1.9	35.88	.44	.27	240	.2
6222436	6252617	2617	5	2004	0	20	603866	6061206	13K11	1.4	133	3.56	3.67	3.2	.35	33	31	4.4	37.12	.42	.55	3410	.2

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Eu1	F9	Fe1	Fe2	Hf1	K2	La1	La2	Li2	LOI	Lu1	Mg2	Mn2	Mo1
6222437	6252618	2618	5	2004	0	20	606733	6060660	13K11	1.2	92	1.45	1.34	2.4	.21	29	28	3.0	36.16	.30	.25	180	.2
6222438	6252619	2619	5	2004	0	20	608846	6061480	13K11	1.2	78	1.11	1.12	.5	.16	32	30	2.6	34.96	.40	.21	196	.2
6222439	6252620	2620	5	2004	1	20	606941	6064250	13K11	.8	113	3.18	3.44	.5	.15	19	18	3.5	30.06	.29	.46	1621	.2
6222441	6252621	2621	5	2004	2	20	606941	6064250	13K11	.8	127	4.39	4.38	1.6	.16	20	18	4.0	30.02	.28	.50	2661	.2
6222442	6252622	2622	5	2004	0	20	605693	6063867	13K11	.8	56	6.07	6.33	.5	.10	18	17	1.8	27.43	.26	.21	1505	.2
6222443	6252623	2623	5	2004	0	20	604166	6064198	13K11	1.3	92	5.23	5.75	1.6	.11	32	33	2.3	48.54	.41	.25	1236	.2
6222444	6252624	2624	5	2004	0	20	605799	6065870	13K11	.8	72	1.72	1.57	.5	.13	17	16	1.9	38.72	.18	.23	187	.2
6222445	6252625	2625	5	2004	0	20	603735	6066355	13K11	.8	63	1.31	1.26	.5	.15	16	16	2.5	39.09	.19	.31	183	.2
6222446	6252626	2626	5	2004	0	20	602804	6066355	13K11	1.2	261	2.92	3.08	8.8	1.10	32	31	7.9	9.45	.45	.83	416	.2
6222447	6252627	2627	5	2004	0	20	603345	6068581	13K14	.6	60	1.28	1.38	.5	.09	13	13	1.7	41.40	.17	.20	277	7.0
6222448	6252628	2628	5	2004	0	20	601613	6068984	13K14	1.3	120	2.59	2.65	3.2	.41	33	33	6.1	19.92	.43	.98	425	6.0
6222449	6252629	2629	5	2004	0	20	600301	6068426	13K14	.7	42	1.75	1.93	.5	.07	19	20	1.1	41.66	.25	.17	71	.2
6222451	6252630	2630	5	2004	0	20	601496	6071136	13K14	.8	154	2.86	2.97	.5	.27	15	14	3.7	35.86	.15	.68	401	.2
6222452	6252631	2631	5	2004	0	20	606380	6074818	13K14	.2	21	.39	.22	.5	.05	4	4	.7	35.15	.05	.09	46	.2
6222453	6252632	2632	5	2004	0	20	605308	6074813	13K14	.6	50	.88	.83	.5	.12	14	15	1.8	21.54	.19	.21	118	.2
6222454	6252633	2633	5	2004	0	20	604677	6075822	13K14	.2	29	.32	.18	.5	.05	4	4	.5	32.58	.05	.10	34	7.0
6222455	6252634	2634	5	2004	0	20	601954	6076470	13K14	.4	29	1.05	.98	.5	.08	6	7	.9	36.85	.05	.17	99	.2
6222456	6252635	2635	5	2004	0	20	600716	6076265	13K14	1.0	62	4.11	4.26	1.6	.21	16	15	3.3	31.27	.17	.44	2064	.2
6222457	6252636	2636	5	2004	0	20	627719	6087438	13K14	.8	56	1.28	1.30	.5	.13	23	25	2.3	42.15	.23	.16	220	17.0
6222459	6252638	2638	5	2004	0	20	624257	6090794	13K14	.2	195	1.12	1.05	.5	.20	42	37	2.6	46.06	.05	.17	120	120.0
6222461	6252639	2639	5	2004	0	20	626304	6092979	13K14	1.4	324	4.22	4.17	4.8	1.40	45	41	18.1	8.74	.36	1.22	659	9.0
6222462	6252640	2640	5	2004	0	20	626255	6094455	13K14	.7	52	.77	.53	2.4	.28	33	31	2.4	23.14	.05	.19	94	13.0
6222463	6252641	2641	5	2004	0	20	624575	6094804	13K14	.7	38	.55	.54	.5	.15	27	26	2.3	36.87	.14	.18	78	10.0
6222464	6252642	2642	5	2004	1	20	622983	6095924	13K14	.9	51	1.55	1.44	.5	.10	59	55	1.2	35.19	.19	.11	181	70.0
6222465	6252643	2643	5	2004	2	20	622983	6095924	13K14	1.2	54	1.71	1.59	.5	.10	67	65	1.3	38.85	.21	.12	186	86.0
6222466	6252644	2644	5	2004	0	20	623872	6092915	13K14	1.0	90	.78	.78	2.4	.37	33	29	5.7	30.09	.22	.33	144	31.0
6222467	6252645	2645	5	2004	0	20	622695	6091530	13K14	.8	56	.96	.86	2.4	.20	28	25	2.3	38.28	.17	.19	99	.2
6222468	6252646	2646	5	2004	0	20	620986	6090414	13K14	1.0	162	5.27	5.66	14.4	.73	18	17	7.4	3.11	.28	1.47	980	4.0
6222469	6252647	2647	5	2004	0	20	619703	6090121	13K14	.7	45	.60	.32	.5	.19	55	52	2.3	36.44	.05	.16	76	13.0
6222471	6252648	2648	5	2004	0	20	618150	6089707	13K14	1.3	131	4.37	3.79	.5	.24	99	85	4.6	37.00	.14	.27	586	45.0
6222472	6252649	2649	5	2004	0	20	603980	6072378	13K14	.9	150	3.72	3.66	4.8	.60	23	19	6.6	21.18	.24	.86	700	.2
6222473	6252650	2650	5	2004	0	20	601301	6074711	13K14	.7	57	1.50	1.10	.5	.17	16	13	2.3	46.46	.19	.30	254	.2
6222474	6252651	2651	5	2004	0	20	613039	6083297	13K14	.2	49	1.22	.47	3.2	.04	22	13	1.2	51.29	.05	.12	61	68.0
6222475	6252652	2652	5	2004	0	20	614530	6083191	13K14	.2	38	.49	.35	.5	.08	24	20	3.5	37.39	.05	.14	54	59.0
6222476	6252653	2653	5	2004	0	20	614736	6084388	13K14	.9	113	1.64	1.42	3.2	.38	39	34	6.0	31.79	.18	.43	234	30.0
6222477	6252654	2654	5	2004	0	20	613490	6085880	13K14	1.0	104	2.49	2.20	2.4	.25	37	34	4.6	32.28	.14	.35	565	7.0
6222478	6252655	2655	5	2004	0	20	613279	6087498	13K14	.7	139	2.32	2.07	.5	.10	43	36	1.9	22.45	.11	.13	221	22.0
6222479	6252656	2656	5	2004	0	20	615386	6087234	13K14	2.2	139	7.62	6.99	4.0	.49	153	124	5.9	32.20	.37	.41	3418	46.0
6222481	6252657	2657	5	2004	0	20	616235	6089502	13K14	.5	40	.66	.43	.5	.09	32	30	1.8	31.15	.05	.15	62	.2
6222482	6252658	2658	5	2004	0	20	613497	6091444	13K14	1.1	62	1.05	1.01	.5	.18	76	70	2.4	34.96	.18	.22	111	17.0
6222483	6252659	2659	5	2004	0	20	616218	6092643	13K14	1.0	72	.91	1.62	3.2	.27	82	74	3.4	32.32	.15	.27	154	.2
6222484	6252660	2660	5	2004	0	20	615248	6094192	13K14	.5	59	1.29	1.02	.5	.13	23	20	1.3	31.42	.05	.16	119	.2
6222485	6252661	2661	5	2004	0	20	615334	6095432	13K14	.5	54	.83	.64	2.4	.15	19	17	2.4	32.23	.14	.20	85	.2
6222486	6252662	2662	5	2004	0	20	617160	6094799	13K14	1.7	44	.94	.86	.5	.10	153	136	1.5	39.02	.14	.18	111	15.0
6222487	6252663	2663	5	2004	1	20	617345	6093269	13K14	1.6	47	1.73	1.52	.5	.24	180	169	2.2	21.42	.26	.30	135	19.0
6222488	6252664	2664	5	2004	2	20	617345	6093269	13K14	1.3	229	2.63	2.83	8.0	1.14	43	42	6.9	4.49	.25	.86	415	3.0
6222489	6252665	2665	5	2004	0	20	618472	6093882	13K14	.4	15	.43	.19	.5	.04	23	21	.5	32.34	.05	.05	30	.2
6222491	6252666	2666	5	2004	0	20	618950	6092180	13K14	1.0	30	.50	.38	.5	.09	117	105	1.7	29.14	.08	.13	58	17.0

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Eu1	F9	Fe1	Fe2	Hf1	K2	La1	La2	Li2	LOI	Lu1	Mg2	Mn2	Mo1
6222492	6252667	2667	5	2004	0	20	619600	6088563	13K14	.6	54	1.89	1.62	1.6	.15	50	43	2.1	29.80	.10	.18	235	27.0
6222493	6252668	2668	5	2004	0	20	617825	6087263	13K14	1.0	83	1.34	1.10	4.0	.41	54	44	6.9	18.73	.25	.36	179	23.0
6222494	6252669	2669	5	2004	0	20	619020	6086526	13K14	.8	33	.55	.36	.5	.08	49	39	1.7	35.05	.15	.11	63	25.0
6222495	6252670	2670	5	2004	0	20	618410	6085023	13K14	1.7	56	1.33	1.19	1.6	.14	108	97	2.1	38.91	.35	.18	141	27.0
6222496	6252671	2671	5	2004	0	20	616514	6083548	13K14	1.1	119	2.41	2.36	5.6	.74	15	13	8.2	4.16	.16	.87	435	3.0
6222497	6252672	2672	5	2004	0	20	618033	6081425	13K14	.6	42	1.21	1.05	.5	.08	22	18	1.2	39.06	.21	.13	122	7.0
6222498	6252673	2673	5	2004	0	20	619637	6081600	13K14	.6	76	1.00	.96	3.2	.33	19	17	3.2	29.47	.14	.28	169	30.0
6222499	6252674	2674	5	2004	0	20	620647	6082794	13K14	.9	69	1.78	1.57	4.0	.33	26	22	3.4	28.72	.21	.32	323	15.0
6222501	6252675	2675	5	2004	0	20	621500	6084503	13K14	.7	32	.65	.52	.5	.06	19	16	1.0	52.84	.13	.10	55	21.0
6222502	6252676	2676	5	2004	0	20	622741	6082033	13K14	.8	53	7.17	6.64	.5	.09	23	18	1.6	36.20	.20	.12	3021	12.0
6222503	6252677	2677	5	2004	0	20	624759	6081379	13K14	1.0	59	1.45	1.30	1.6	.22	22	19	3.0	34.37	.16	.24	157	9.0
6222504	6252678	2678	5	2004	0	20	626419	6080798	13K14	1.3	115	2.21	1.80	.5	.20	42	33	3.7	52.37	.15	.25	258	25.0
6222505	6252679	2679	5	2004	0	20	624959	6083635	13K14	.8	23	.82	.71	.5	.07	21	18	1.0	43.38	.10	.09	89	9.0
6222506	6252680	2680	5	2004	0	20	626738	6083579	13K14	.6	103	3.59	3.66	4.0	.37	22	18	5.5	35.78	.18	.40	413	10.0
6222507	6252681	2681	5	2004	0	20	627222	6085096	13K14	1.0	59	1.95	1.77	1.6	.20	25	22	3.2	44.59	.13	.21	255	15.0
6222508	6252682	2682	5	2004	0	20	625513	6085380	13K14	.2	37	.69	.51	.5	.07	9	7	1.2	30.62	.05	.09	98	5.0
6222509	6252683	2683	5	2004	0	20	624413	6087514	13K14	1.0	71	4.28	4.44	1.6	.23	37	32	3.3	29.58	.25	.29	456	15.0
6222511	6252684	2684	5	2004	1	20	622752	6087510	13K14	.7	30	.41	.27	.5	.05	34	29	.8	34.72	.11	.07	81	47.0
6222512	6252685	2685	5	2004	2	20	622752	6087510	13K14	.5	36	.37	.18	.5	.05	38	33	.8	33.28	.12	.07	47	62.0
6222513	6252686	2686	5	2004	0	20	604511	6044449	13K11	1.8	62	.65	.49	.5	.17	32	30	3.5	30.60	.26	.15	113	.2
6222514	6252687	2687	5	2004	0	20	605208	6045507	13K11	2.3	48	.44	.29	.5	.10	32	26	1.5	47.31	.50	.11	63	5.0
6222515	6252688	2688	5	2004	0	20	606174	6044903	13K11	3.5	226	2.84	2.28	4.8	.58	58	44	7.8	34.70	.69	.50	517	9.0
6222516	6252689	2689	5	2004	0	20	606740	6045747	13K11	2.4	287	4.00	3.63	4.8	1.02	41	34	13.7	15.92	.54	.86	734	8.0
6222517	6252690	2690	5	2004	0	20	610332	6043879	13K11	2.4	80	.61	.54	1.6	.24	43	39	4.4	27.19	.50	.23	85	4.0
6222518	6252691	2691	5	2004	0	20	611187	6044298	13K11	1.7	160	2.75	2.67	8.0	1.31	33	28	11.4	8.70	.47	.84	480	.2
6222521	6252693	2693	5	2004	0	20	614148	6043712	13K11	N.A.	288	N.A.	5.30	N.A.	.51	N.A.	135	7.0	38.36	N.A.	.45	778	N.A.
6222522	6252694	2694	5	2004	0	20	615929	6044100	13K11	1.9	139	3.09	2.92	3.2	.53	58	51	5.4	23.18	.63	.38	423	35.0
6222523	6252695	2695	5	2004	0	20	618562	6044372	13K11	2.0	337	3.37	3.44	8.0	1.48	41	38	11.2	10.40	.53	.98	453	16.0
6222524	6252696	2696	5	2004	0	20	618721	6045413	13K11	1.8	56	.58	.41	1.6	.17	36	28	3.2	33.50	.22	.15	74	32.0
6222525	6252697	2697	5	2004	0	20	622906	6044977	13K11	2.9	202	2.59	2.41	6.4	.94	63	54	15.5	23.06	.63	.72	342	29.0
6222526	6252698	2698	5	2004	0	20	624840	6044333	13K11	1.6	68	.91	.56	.5	.16	32	24	2.7	47.97	.22	.18	106	13.0
6222527	6252699	2699	5	2004	0	20	624836	6046247	13K11	1.5	337	3.36	3.49	8.0	1.57	33	32	12.5	2.77	.42	1.09	500	6.0
6222528	6252700	2700	5	2004	0	20	623327	6046848	13K11	2.0	174	2.67	2.63	6.4	.87	45	41	8.8	27.78	.40	.53	472	8.0
6222529	6252701	2701	5	2004	0	20	625730	6048234	13K11	4.7	107	6.19	5.56	3.2	.26	108	93	4.9	42.39	.85	.23	5084	59.0
6222531	6252702	2702	5	2004	0	20	623984	6048536	13K11	2.5	151	1.64	1.60	4.8	.82	49	41	7.9	19.43	.45	.49	298	53.0
6222532	6252703	2703	5	2004	0	20	620837	6048606	13K11	.9	66	.68	.51	1.6	.24	19	15	3.4	28.65	.19	.21	87	.2
6222533	6252704	2704	5	2004	0	20	620220	6046712	13K11	1.6	44	.60	.48	1.6	.11	41	35	2.8	39.36	.30	.14	46	30.0
6222534	6252705	2705	5	2004	1	20	618482	6047458	13K11	2.3	73	3.20	2.89	1.6	.16	50	42	2.7	34.97	.40	.21	617	73.0
6222535	6252706	2706	5	2004	2	20	618482	6047458	13K11	1.7	57	1.50	1.33	1.6	.11	39	33	1.6	36.35	.30	.15	202	52.0
6222536	6252707	2707	5	2004	0	20	615784	6046708	13K11	2.2	106	1.80	1.43	1.6	.24	48	39	5.4	41.99	.33	.27	369	46.0
6222537	6252708	2708	5	2004	0	20	613725	6046145	13K11	2.0	192	2.29	2.02	7.2	.97	40	34	13.2	20.48	.37	.67	434	10.0
6222538	6252709	2709	5	2004	0	20	610999	6048567	13K11	1.8	209	3.05	2.68	4.8	.80	33	29	9.6	11.56	.40	.69	600	8.0
6222539	6252710	2710	5	2004	0	20	612077	6050722	13K11	2.4	214	1.79	1.58	3.2	.39	83	72	8.8	28.70	.78	.36	343	10.0
6222541	6252711	2711	5	2004	0	20	614595	6049079	13K11	1.9	296	3.88	3.72	6.4	1.20	35	32	12.5	11.77	.46	.97	452	.2
6222542	6252712	2712	5	2004	0	20	615893	6050426	13K11	1.1	162	1.97	1.71	4.8	.66	24	21	11.8	19.00	.37	.53	248	13.0
6222543	6252713	2713	5	2004	0	20	618347	6051927	13K11	.6	38	.52	.27	.5	.07	20	15	1.3	35.21	.22	.10	50	4.0
6222544	6252714	2714	5	2004	0	20	620255	6051999	13K11	1.0	43	.55	.36	.5	.10	22	19	1.6	30.97	.09	.11	57	.2
6222545	6252715	2715	5	2004	0	20	621245	6053026	13K11	1.1	68	1.20	.96	.5	.14	23	19	1.9	33.39	.15	.14	217	22.0

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Eu1	F9	Fe1	Fe2	Hf1	K2	La1	La2	Li2	LOI	Lu1	Mg2	Mn2	Mo1
6222546	6252716	2716	5	2004	0	20	622371	6050606	13K11	.2	53	1.32	1.04	1.6	.17	14	11	2.1	34.01	.11	.19	115	15.0
6222547	6252717	2717	5	2004	0	20	625892	6051900	13K11	2.4	149	2.07	1.87	7.2	1.06	37	33	12.3	16.87	.52	.71	332	18.0
6222548	6252718	2718	5	2004	0	20	627954	6057784	13K11	1.3	77	1.01	.80	1.6	.21	25	23	2.9	37.10	.20	.18	131	24.0
6222549	6252719	2719	5	2004	0	20	625948	6057629	13K11	1.1	79	.99	.81	1.6	.22	30	26	3.5	35.68	.13	.20	199	11.0
6222551	6252720	2720	5	2004	0	20	626516	6058440	13K11	1.2	103	3.37	3.24	.5	.09	32	30	1.6	46.27	.25	.12	290	23.0
6222552	6252721	2721	5	2004	0	20	626255	6059306	13K11	1.7	76	2.34	2.19	.5	.14	43	39	2.4	46.94	.25	.15	417	15.0
6222553	6252722	2722	5	2004	0	20	628588	6060943	13K11	1.4	70	1.24	1.13	2.4	.31	32	28	4.4	35.89	.20	.26	186	9.0
6222554	6252723	2723	5	2004	0	20	625557	6060521	13K11	1.6	101	2.00	1.75	.5	.12	41	36	2.5	38.99	.27	.13	259	32.0
6222555	6252724	2724	5	2004	0	20	626958	6063012	13K11	1.6	119	2.21	1.97	1.6	.24	41	37	3.5	45.31	.33	.24	352	20.0
6222556	6252725	2725	5	2004	0	20	628611	6064379	13K11	.9	118	.94	.76	.5	.10	25	22	1.9	31.24	.19	.11	210	39.0
6222557	6252726	2726	5	2004	1	20	628693	6067481	13K11	1.6	127	1.63	1.39	3.2	.53	68	61	6.8	29.33	.35	.36	337	28.0
6222558	6252727	2727	5	2004	2	20	628693	6067481	13K11	2.3	123	1.50	1.35	3.2	.45	70	66	6.1	29.51	.28	.33	343	21.0
6222559	6252728	2728	5	2004	0	20	626396	6064885	13K11	1.6	65	1.06	.87	.5	.08	36	32	1.7	44.29	.20	.11	194	21.0
6222561	6252729	2729	5	2004	0	20	624623	6063926	13K11	1.3	105	1.09	.85	4.0	.64	31	26	7.2	30.29	.18	.30	164	9.0
6222562	6252730	2730	5	2004	0	20	624030	6067389	13K11	.7	68	.37	.13	.5	.05	25	20	1.1	40.76	.15	.07	32	11.0
6222563	6252731	2731	5	2004	0	20	620005	6067679	13K11	3.3	124	2.97	2.67	1.6	.26	108	91	6.0	43.00	.57	.31	232	75.0
6222564	6252732	2732	5	2004	0	20	618060	6066551	13K11	2.2	81	2.89	2.68	.5	.09	76	66	2.2	40.76	.46	.14	355	13.0
6222565	6252733	2733	5	2004	0	20	616894	6066551	13K11	3.5	155	7.07	5.43	4.0	.39	117	88	5.7	46.20	.57	.41	697	69.0
6222566	6252734	2734	5	2004	0	20	614178	6066473	13K11	2.1	74	2.10	1.71	.5	.11	53	44	3.2	49.78	.25	.19	184	38.0
6222567	6252735	2735	5	2004	0	20	612705	6066764	13K11	2.0	179	3.37	2.98	5.6	.74	38	33	9.1	12.57	.35	.71	1026	7.0
6222568	6252736	2736	5	2004	0	20	608774	6067763	13K11	2.5	51	1.05	.77	.5	.04	135	111	1.0	36.24	1.15	.07	106	16.0
6222569	6252737	2737	5	2004	0	20	612880	6063249	13K11	.9	68	.94	.72	.5	.17	26	22	2.5	28.61	.16	.17	109	.2
6222571	6252738	2738	5	2004	0	20	615325	6064084	13K11	.6	53	.71	.37	.5	.13	26	22	2.5	35.15	.13	.13	76	.2
6222572	6252739	2739	5	2004	0	20	620228	6065970	13K11	2.9	118	6.17	5.78	2.4	.13	108	94	2.4	39.22	.58	.13	1146	38.0
6222573	6252740	2740	5	2004	1	20	621671	6065092	13K11	1.9	82	1.25	.98	2.4	.23	88	74	3.8	35.91	.44	.19	169	15.0
6222574	6252741	2741	5	2004	2	20	621671	6065092	13K11	2.4	113	1.13	.96	2.4	.28	90	82	4.6	42.74	.47	.24	190	22.0
6222575	6252742	2742	5	2004	0	20	624044	6061915	13K11	1.6	82	.90	.75	.5	.09	52	45	2.0	53.60	.25	.14	169	.2
6222576	6252743	2743	5	2004	0	20	622542	6062121	13K11	1.8	105	1.71	1.24	2.4	.28	54	45	4.5	35.14	.33	.24	525	22.0
6222577	6252744	2744	5	2004	0	20	620607	6063636	13K11	1.5	165	2.43	1.98	4.8	.72	50	43	7.3	33.21	.39	.51	333	8.0
6222578	6252745	2745	5	2004	0	20	618227	6062240	13K11	1.4	149	5.01	4.42	1.6	.33	50	43	3.4	20.92	.43	.23	496	26.0
6222579	6252746	2746	5	2004	0	20	616450	6062354	13K11	1.2	76	1.33	.95	2.4	.26	37	29	2.9	31.43	.29	.25	137	.2
6222581	6252747	2747	5	2004	0	20	614200	6061750	13K11	1.4	113	2.09	1.61	.5	.19	50	41	2.4	35.88	.39	.17	123	14.0
6222582	6252748	2748	5	2004	0	20	612183	6061598	13K11	2.8	251	3.37	3.13	10.4	1.73	75	64	13.1	5.93	.71	.99	570	.2
6222583	6252749	2749	5	2004	0	20	613424	6060199	13K11	4.6	334	5.10	3.99	2.4	.35	171	134	5.2	47.01	1.06	.39	428	39.0
6222584	6252750	2750	5	2004	0	20	616406	6061037	13K11	2.8	201	2.06	1.91	4.8	1.20	99	89	8.5	20.83	.76	.51	282	12.0
6222585	6252751	2751	5	2004	0	20	618120	6059923	13K11	2.4	351	3.10	2.91	9.6	1.66	70	61	11.9	5.93	.67	.92	462	.2
6222586	6252752	2752	5	2004	0	20	620150	6062578	13K11	3.3	250	3.40	2.80	2.4	.16	135	114	2.3	27.79	.91	.15	937	32.0
6222587	6252753	2753	5	2004	0	20	620880	6060316	13K11	2.0	79	.43	.23	.5	.03	90	80	.8	46.63	.29	.07	29	8.0
6222588	6252754	2754	5	2004	0	20	622165	6060390	13K11	2.4	165	1.67	1.52	3.2	.59	64	54	7.0	24.83	.35	.37	345	12.0
6222589	6252755	2755	5	2004	0	20	622369	6057957	13K11	1.6	72	4.21	3.77	1.6	.19	41	36	2.5	36.77	.29	.16	630	32.0
6222591	6252756	2756	5	2004	0	20	621246	6057199	13K11	1.0	28	.58	.23	.5	.08	22	17	1.3	31.87	.14	.08	38	11.0
6222592	6252757	2757	5	2004	0	20	618003	6058085	13K11	5.4	110	2.06	1.75	.5	.14	252	215	2.4	43.24	1.21	.15	170	17.0
6222593	6252758	2758	5	2004	1	20	616068	6057000	13K11	1.6	47	2.00	1.54	.5	.10	44	35	1.6	26.27	.36	.10	257	8.0
6222594	6252759	2759	5	2004	2	20	616068	6057000	13K11	1.6	53	1.85	1.38	.5	.10	42	34	1.6	24.86	.25	.10	205	8.0
6222595	6252760	2760	5	2004	0	20	613943	6057543	13K11	1.9	135	2.21	1.91	1.6	.17	60	52	3.1	33.07	.45	.18	245	14.0
6222596	6252761	2761	5	2004	0	20	612092	6059807	13K11	1.8	144	2.18	1.94	1.6	.26	63	58	4.1	29.90	.56	.22	416	30.0
6222597	6252762	2762	5	2004	0	20	610350	6057184	13K11	2.5	415	3.43	3.25	8.0	1.58	70	62	15.0	9.44	.73	1.00	678	20.0
6222598	6252763	2763	5	2004	0	20	608975	6059330	13K11	2.0	320	4.86	4.12	7.2	.72	41	35	10.9	20.91	.45	1.01	643	10.0

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Eu1	F9	Fe1	Fe2	Hf1	K2	La1	La2	Li2	LOI	Lu1	Mg2	Mn2	Mo1
6222599	6252764	2764	5	2004	0	20	606952	6059273	13K11	1.8	216	6.02	5.37	4.0	.58	27	22	7.6	19.04	.35	1.06	1183	5.0
6222601	6252765	2765	5	2004	0	20	604659	6058265	13K11	2.6	351	3.98	3.66	5.6	1.04	76	66	12.3	19.92	.74	.83	919	.2
6222602	6252766	2766	5	2004	0	20	601642	6058654	13K11	1.4	112	3.78	3.33	5.6	.59	32	27	6.6	23.01	.34	.45	2872	9.0
6222603	6252767	2767	5	2004	0	20	600194	6059955	13K11	1.6	121	2.57	1.99	1.6	.31	27	22	4.6	27.56	.23	.50	383	.2
6222604	6252768	2768	5	2004	0	20	599941	6061996	13K11	.8	51	1.40	.98	.5	.14	13	10	1.7	40.74	.16	.19	116	.2
6222605	6252769	2769	5	2004	0	20	599708	6063486	13K11	.6	97	1.95	1.48	1.6	.17	12	10	2.5	34.83	.15	.47	163	.2
6222606	6252770	2770	5	2004	0	20	607290	6050972	13K11	.2	435	4.61	3.48	.5	.08	48	36	1.7	42.84	.32	.10	113	132.0
6222607	6252771	2771	5	2004	0	20	607421	6052996	13K11	1.2	441	.83	.60	.5	.13	47	41	2.6	37.04	.32	.14	75	13.0
6222608	6252772	2772	5	2004	0	20	604696	6052880	13K11	2.0	407	2.00	1.42	1.6	.15	94	76	2.8	55.65	.81	.17	252	37.0
6222609	6252773	2773	5	2004	0	20	604702	6051715	13K11	.8	105	.60	.34	.5	.06	41	33	1.0	34.17	.32	.08	82	.2
6222611	6252774	2774	5	2004	0	20	603247	6050149	13K11	1.0	96	.37	.28	1.6	.07	55	50	1.6	26.50	.63	.08	32	.2
6222612	6252775	2775	5	2004	0	20	602740	6051780	13K11	1.3	214	3.17	2.94	8.0	1.15	22	20	8.7	4.08	.32	.77	1157	.2
6222613	6252776	2776	5	2004	0	20	601214	6052663	13K11	1.6	281	3.08	2.73	8.0	.91	35	30	9.3	14.22	.40	.69	497	.2
6222614	6252777	2777	5	2004	0	20	601128	6050628	13K11	1.3	119	.56	.41	1.6	.11	72	63	2.3	36.62	.55	.12	65	21.0
6222615	6252778	2778	5	2004	0	20	596961	6049839	13K11	.5	118	1.08	.88	.5	.17	19	17	2.3	40.82	.20	.18	116	.2
6222616	6252779	2779	5	2004	0	20	598805	6052240	13K11	1.4	250	3.33	3.10	7.2	1.03	25	23	9.7	9.86	.36	.76	502	8.0
6222617	6252780	2780	5	2004	1	20	598519	6055273	13K11	1.2	174	2.46	2.14	2.4	.38	30	27	4.6	40.17	.32	.39	337	7.0
6222618	6252781	2781	5	2004	2	20	598519	6055273	13K11	1.3	166	2.16	1.98	2.4	.37	30	28	4.7	41.73	.33	.38	356	.2
6222619	6252782	2782	5	2004	0	20	599677	6055357	13K11	1.9	216	2.51	2.07	4.8	.69	46	41	6.3	21.69	.49	.52	354	.2
6222621	6252783	2783	5	2004	0	20	601932	6055145	13K11	1.5	316	4.61	4.18	6.4	.71	36	32	11.4	28.15	.55	.92	560	.2
6222622	6252784	2784	5	2004	0	20	603275	6054939	13K11	1.5	405	3.60	3.05	1.6	.14	58	51	2.0	35.33	.58	.14	281	22.0
6222623	6252785	2785	5	2004	0	20	606018	6054073	13K11	2.4	530	.91	.69	2.4	.19	108	89	3.0	53.44	.58	.19	82	12.0
6222624	6252786	2786	5	2004	0	20	607538	6054188	13K11	1.5	288	1.78	1.33	.5	.09	60	51	1.3	42.07	.41	.09	185	22.0
6222625	6252787	2787	5	2004	0	20	607501	6057440	13K11	2.5	302	4.77	3.98	5.6	.55	108	94	8.5	30.86	.90	.44	597	35.0
6222626	6252788	2788	5	2004	0	20	604055	6056924	13K11	1.5	152	2.40	1.82	4.0	.33	53	42	5.2	42.36	.49	.27	249	19.0
6222627	6252789	2789	5	2004	0	20	602857	6056136	13K11	1.8	210	4.05	3.24	1.6	.15	53	43	2.8	32.83	.61	.17	5238	27.0
6222628	6252790	2790	5	2004	0	20	600388	6056698	13K11	1.2	101	9.52	7.48	.5	.10	32	24	1.6	35.40	.40	.15	1193	9.0
6222629	6252791	2791	5	2004	0	20	598414	6057686	13K11	1.2	47	3.86	3.10	.5	.10	25	20	1.5	26.12	.28	.14	435	.2
6222631	6252792	2792	5	2004	0	20	597550	6059064	13K11	1.6	107	2.10	1.66	3.2	.38	33	27	3.8	34.98	.32	.41	259	.2
6222632	6252793	2793	5	2004	0	20	598002	6060674	13K11	1.1	80	3.18	2.47	1.6	.22	19	15	3.2	35.97	.18	.41	560	.2

* N.A. indicates not analyzed.

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Mo2	Na1	Na2	Nb2	Nd1	Ni2	P2	Pb2	Rb1	Rb2	Sb1	Sc1	Sc2	Se1	Sm1	Sr1
6222331	6252522	2522	5	2004	0	20	609780	6051657	13K11	3.0	.82	.85	4	73	16	1087	45	2	15	.02	7.3	6.8	.5	12.0	.02
6222332	6252523	2523	5	2004	0	20	610407	6053269	13K11	8.0	.09	.10	1	73	11	426	14	2	2	.02	3.3	3.0	.5	12.0	.02
6222333	6252524	2524	5	2004	0	20	611285	6055035	13K11	5.0	.17	.18	1	76	9	1012	6	2	2	.02	3.8	3.6	.5	11.2	.02
6222334	6252525	2525	5	2004	0	20	612583	6053506	13K11	21.0	.41	.47	3	64	37	1895	12	2	7	.02	5.6	5.2	.5	9.6	.02
6222335	6252526	2526	5	2004	0	20	613685	6054804	13K11	31.0	.32	.39	4	100	30	2630	10	2	6	.02	6.8	6.3	.5	13.6	.02
6222336	6252527	2527	5	2004	0	20	614399	6053534	13K11	3.0	.47	.48	2	31	11	418	3	2	5	.02	3.7	3.2	.5	4.6	.02
6222337	6252528	2528	5	2004	0	20	616222	6055146	13K11	9.0	.23	.26	2	57	10	1321	5	2	2	.02	4.1	4.2	.5	8.8	.02
6222338	6252529	2529	5	2004	0	20	616906	6054197	13K11	4.0	.38	.43	2	46	11	1125	14	2	2	.02	4.7	4.2	.5	5.3	.02
6222339	6252530	2530	5	2004	0	20	618724	6055614	13K11	13.0	1.57	1.50	5	61	26	995	13	2	25	.02	9.9	9.2	.5	9.6	.02
6222341	6252531	2531	5	2004	0	20	619472	6053792	13K11	3.0	.12	.11	1	2	9	1327	3	2	2	.02	2.8	2.4	.5	4.6	.02
6222342	6252532	2532	5	2004	0	20	621075	6055384	13K11	20.0	.46	.54	4	99	32	2608	12	2	10	.30	8.2	7.7	.5	14.4	.02
6222343	6252533	2533	5	2004	0	20	622744	6054186	13K11	8.0	1.94	2.05	6	20	28	588	6	2	36	.02	9.9	9.4	.5	3.8	.02
6222344	6252534	2534	5	2004	0	20	623647	6055815	13K11	15.0	.50	.58	5	67	27	2230	11	41	13	.02	7.4	7.0	.5	11.2	.02
6222345	6252535	2535	5	2004	0	20	625561	6054397	13K11	.5	.19	.19	1	2	6	306	10	2	2	.02	1.4	1.1	.5	.8	.02
6222346	6252536	2536	5	2004	0	20	627992	6055959	13K11	2.0	1.03	1.06	3	27	14	464	9	52	15	.02	5.8	5.8	.5	4.5	.02
6222347	6252537	2537	5	2004	0	20	628742	6053353	13K11	2.0	1.42	1.41	5	41	19	1295	13	2	27	.02	9.0	9.1	.5	6.9	.02
6222348	6252538	2538	5	2004	0	20	628391	6051381	13K11	1.0	.33	.38	2	55	12	1038	5	2	6	.02	5.2	5.1	.5	7.8	.02
6222349	6252539	2539	5	2004	0	20	627349	6050544	13K11	4.0	.75	.86	4	67	23	1302	9	2	19	.02	7.8	8.3	.5	9.6	.02
6222351	6252540	2540	5	2004	0	20	628615	6048752	13K11	7.0	1.16	1.22	7	60	27	1671	10	2	39	.02	10.8	9.9	.5	9.6	.02
6222352	6252541	2541	5	2004	1	20	627511	6048667	13K11	4.0	.49	.59	4	91	20	2258	7	2	13	.02	7.9	7.8	.5	12.8	.02
6222353	6252542	2542	5	2004	2	20	627511	6048667	13K11	4.0	.48	.57	4	91	21	2556	8	2	16	.02	8.6	8.6	.5	14.4	.02
6222354	6252543	2543	5	2004	0	20	626749	6046081	13K11	4.0	2.18	2.21	8	45	28	1685	12	2	48	.02	10.8	10.9	.5	7.5	.02
6222355	6252544	2544	5	2004	0	20	627241	6045031	13K11	10.0	N.A.	.29	5	N.A.	22	4201	26	N.A.	9	N.A.	N.A.	10.3	N.A.	N.A.	N.A.
6222356	6252545	2545	5	2004	0	20	629355	6043978	13K11	3.0	1.81	1.78	9	79	27	1362	15	2	48	.50	15.3	13.9	.5	12.8	.02
6222357	6252546	2546	5	2004	0	20	628020	6043042	13K11	3.0	.22	.19	1	57	13	754	7	2	2	.02	5.9	4.6	.5	10.4	.02
6222358	6252547	2547	5	2004	0	20	625656	6043407	13K11	29.0	N.A.	.20	4	N.A.	16	2826	15	N.A.	2	N.A.	N.A.	6.1	N.A.	N.A.	N.A.
6222359	6252548	2548	5	2004	0	20	623700	6041361	13K11	3.0	.54	.59	3	100	13	825	12	2	14	.02	9.0	8.9	.5	15.2	.02
6222361	6252549	2549	5	2004	0	20	621757	6043047	13K11	5.0	.31	.29	2	130	13	1365	11	84	6	.02	10.8	9.1	.5	17.6	.02
6222362	6252550	2550	5	2004	0	20	621136	6040818	13K11	16.0	.15	.17	3	140	15	2092	12	2	6	.02	9.9	9.4	.5	20.8	.02
6222363	6252551	2551	5	2004	0	20	619500	6041303	13K11	11.0	.49	.51	3	130	24	3427	11	2	11	.02	13.5	12.2	.5	17.6	.02
6222364	6252552	2552	5	2004	0	20	617312	6041356	13K11	4.0	N.A.	1.09	7	N.A.	19	936	8	N.A.	31	N.A.	N.A.	12.8	N.A.	N.A.	N.A.
6222365	6252553	2553	5	2004	0	20	614130	6042138	13K11	2.0	1.97	2.09	8	34	25	1382	10	41	44	.70	13.5	13.6	.5	6.7	.02
6222366	6252554	2554	5	2004	0	20	612187	6041041	13K11	2.0	1.92	2.08	11	54	24	842	10	59	57	.50	13.5	13.4	.5	7.9	.02
6222367	6252555	2555	5	2004	0	20	611137	6077132	13K14	6.0	.35	.43	1	26	10	518	2	2	2	.02	3.1	3.0	.5	3.1	.02
6222368	6252556	2556	5	2004	0	20	612087	6078632	13K14	6.0	.67	.69	2	24	14	844	4	2	6	.02	6.3	6.1	.5	3.7	.02
6222369	6252557	2557	5	2004	0	20	613437	6077132	13K14	5.0	.12	.13	1	22	8	535	4	2	2	.02	2.5	2.2	.5	2.4	.02
6222371	6252558	2558	5	2004	0	20	614687	6077822	13K14	4.0	.10	.10	1	20	8	653	5	2	2	.02	2.3	2.2	.5	3.2	.02
6222372	6252559	2559	5	2004	0	20	616137	6076632	13K14	2.0	.28	.32	1	19	9	551	2	2	2	.02	2.8	2.6	.5	2.6	.02
6222373	6252560	2560	5	2004	0	20	617838	6077357	13K14	10.0	.12	.15	2	24	9	1338	4	2	2	.02	3.6	3.4	.5	3.7	.02
6222374	6252561	2561	5	2004	0	20	619637	6076782	13K14	19.0	.33	.39	4	65	16	3624	8	2	6	.20	7.2	7.1	.5	9.6	.02
6222375	6252562	2562	5	2004	0	20	621837	6076750	13K14	9.0	.21	.24	2	32	10	719	13	2	2	.02	3.1	2.7	.5	3.5	.02
6222376	6252563	2563	5	2004	1	20	624637	6075932	13K14	11.0	1.82	1.95	7	56	20	1183	11	2	44	.02	9.9	10.1	.5	8.0	.02
6222377	6252564	2564	5	2004	2	20	624742	6076095	13K14	21.0	.25	.29	2	42	13	1144	6	2	2	.10	4.1	3.9	.5	6.2	.02
6222378	6252565	2565	5	2004	0	20	624352	6075197	13K14	57.0	.49	.56	3	37	17	1262	13	2	7	.02	5.7	5.3	.5	6.0	.02
6222379	6252566	2566	5	2004	0	20	623175	6073708	13K14	8.0	.18	.19	2	37	14	2177	6	2	2	.02	4.5	4.3	.5	5.8	.02
6222381	6252567	2567	5	2004	0	20	619412	6074453	13K14	5.0	.17	.17	2	51	13	1669	5	2	2	.02	4.8	4.3	.5	6.6	.02
6222382	6252568	2568	5	2004	0	20	617151	6074156	13K14	4.0	.24	.27	1	30	10	438	2	2	2	.02	4.4	4.2	.5	3.5	.02
6222383	6252569	2569	5	2004	0	20	616758	6075062	13K14	2.0	1.22	1.08	4	20	14	655	8	2	15	.02	8.0	6.8	.5	3.3	.02

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Mo2	Na1	Na2	Nb2	Nd1	Ni2	P2	Pb2	Rb1	Rb2	Sb1	Sc1	Sc2	Se1	Sm1	Sr1
6222384	6252570	2570	5	2004	0	20	614048	6073983	13K14	3.0	1.43	1.50	4	23	15	601	8	2	20	.20	7.6	7.5	.5	3.0	.02
6222385	6252571	2571	5	2004	0	20	612119	6073734	13K14	3.0	1.54	1.61	4	26	17	823	5	59	14	.02	9.9	9.1	.5	4.1	.02
6222386	6252572	2572	5	2004	0	20	612579	6072225	13K14	1.0	.11	.10	1	2	6	714	3	2	2	.02	2.4	2.2	.5	2.5	.02
6222387	6252573	2573	5	2004	0	20	611303	6071800	13K14	4.0	.85	.79	4	42	15	1405	3	2	11	.02	8.4	7.8	.5	5.8	.02
6222388	6252574	2574	5	2004	0	20	608896	6069333	13K14	3.0	.09	.09	1	34	5	330	1	2	2	.02	2.4	2.5	.5	3.9	.02
6222389	6252575	2575	5	2004	0	20	611162	6070100	13K14	3.0	N.A.	.20	2	N.A.	16	2447	6	N.A.	2	N.A.	N.A.	6.0	N.A.	N.A.	N.A.
6222391	6252576	2576	5	2004	0	20	613949	6069999	13K14	3.0	.15	.18	1	26	6	173	3	2	2	.02	1.8	1.5	.5	3.4	.02
6222392	6252577	2577	5	2004	0	20	614910	6070433	13K14	5.0	.06	.05	1	54	9	607	4	2	2	.02	3.7	4.1	.5	7.8	.02
6222393	6252578	2578	5	2004	0	20	615809	6071792	13K14	3.0	.12	.14	1	83	6	228	2	2	2	.02	3.6	4.0	.5	9.6	.02
6222394	6252579	2579	5	2004	0	20	617165	6072293	13K14	4.0	.25	.31	1	37	9	370	2	2	2	.02	4.7	5.1	.5	5.4	.09
6222395	6252580	2580	5	2004	1	20	618326	6069151	13K14	2.0	.11	.12	1	26	12	657	1	2	2	.02	5.3	5.7	.5	4.0	.02
6222396	6252581	2581	5	2004	2	20	618326	6069151	13K14	2.0	.09	.09	1	31	12	615	1	2	2	.02	5.0	5.1	.5	3.5	.02
6222397	6252582	2582	5	2004	0	20	619797	6069084	13K14	21.0	.54	.63	3	67	19	751	8	2	7	.70	6.6	6.6	.5	10.4	.02
6222398	6252583	2583	5	2004	0	20	622052	6070755	13K14	165.0	.38	.48	3	62	17	1982	16	2	10	.02	5.8	6.0	.5	8.8	.02
6222399	6252584	2584	5	2004	0	20	622845	6069980	13K14	4.0	.08	.09	1	39	19	751	5	2	2	.02	3.3	3.6	.5	6.9	.02
6222401	6252585	2585	5	2004	0	20	623769	6072387	13K14	14.0	.51	.60	3	47	10	1400	7	2	12	.02	4.5	4.3	.5	4.0	.02
6222402	6252586	2586	5	2004	0	20	625189	6070027	13K14	5.0	.53	.60	2	58	14	589	14	2	11	.02	5.2	4.9	.5	7.0	.02
6222403	6252587	2587	5	2004	0	20	625926	6069631	13K14	30.0	.14	.14	3	94	15	1867	11	2	2	.02	5.2	3.8	.5	19.2	.02
6222404	6252588	2588	5	2004	0	20	628527	6071991	13K14	36.0	.11	.13	2	37	15	1161	11	2	2	.02	3.8	3.9	.5	6.7	.02
6222405	6252589	2589	5	2004	0	20	626571	6072519	13K14	10.0	.10	.11	1	69	11	959	4	2	2	.02	3.7	3.3	.5	5.8	.02
6222406	6252590	2590	5	2004	0	20	626898	6074120	13K14	7.0	.41	.47	2	45	11	1365	7	2	2	.02	4.3	4.0	.5	4.6	.02
6222407	6252591	2591	5	2004	0	20	627083	6076265	13K14	9.0	.20	.25	2	34	13	2197	12	2	2	.02	4.9	4.4	.5	5.3	.02
6222408	6252592	2592	5	2004	0	20	626569	6079167	13K14	9.0	.14	.16	1	71	11	431	2	2	2	.02	3.4	3.6	.5	7.0	.02
6222409	6252593	2593	5	2004	0	20	624539	6078412	13K14	5.0	1.08	.98	4	28	12	632	7	2	12	.02	6.4	5.9	.5	4.2	.02
6222411	6252594	2594	5	2004	0	20	622801	6078605	13K14	13.0	.21	.24	4	74	16	2837	9	2	2	.02	7.5	7.0	.5	9.6	.02
6222412	6252595	2595	5	2004	0	20	619596	6079053	13K14	5.0	.16	.20	1	30	10	568	2	2	2	.30	3.0	2.7	.5	3.2	.02
6222413	6252596	2596	5	2004	0	20	618582	6078574	13K14	6.0	.10	.12	1	20	8	711	1	2	2	.02	2.3	2.2	.5	2.2	.02
6222414	6252597	2597	5	2004	0	20	616232	6079699	13K14	2.0	.38	.46	2	2	9	555	4	2	2	.02	3.3	3.3	.5	2.5	.02
6222415	6252598	2598	5	2004	0	20	613190	6080125	13K14	6.0	.19	.22	1	39	12	747	2	2	2	.02	3.5	3.4	.5	4.6	.02
6222416	6252599	2599	5	2004	0	20	610480	6078879	13K14	84.0	N.A.	.35	2	N.A.	34	564	6	N.A.	2	N.A.	N.A.	3.5	N.A.	N.A.	N.A.
6222417	6252600	2600	5	2004	1	20	609060	6078213	13K14	11.0	.60	.67	2	32	16	757	4	2	2	.02	5.2	5.2	.5	4.1	.02
6222418	6252601	2601	5	2004	2	20	609060	6078213	13K14	11.0	.62	.67	2	27	16	752	5	2	2	.02	5.5	5.3	.5	4.3	.02
6222419	6252602	2602	5	2004	0	20	608216	6079548	13K14	3.0	.09	.10	1	14	11	322	4	38	2	.02	1.8	1.6	.5	2.8	.02
6222421	6252603	2603	5	2004	0	20	605594	6078908	13K14	6.0	.22	.22	2	30	17	1827	4	2	2	.02	4.6	3.8	.5	4.0	.02
6222422	6252604	2604	5	2004	0	20	601186	6078377	13K14	2.0	.33	.32	1	16	10	759	5	2	2	.02	3.2	2.6	.5	1.8	.02
6222423	6252605	2605	5	2004	0	20	598799	6077798	13K14	1.0	N.A.	.22	1	N.A.	17	474	2	N.A.	2	N.A.	N.A.	2.1	N.A.	N.A.	N.A.
6222424	6252606	2606	5	2004	0	20	597994	6075483	13K14	.5	.40	.43	1	2	10	686	2	2	2	.02	3.9	3.4	.5	3.0	.02
6222425	6252607	2607	5	2004	0	20	598844	6074870	13K14	2.0	1.47	1.62	5	20	23	1098	7	2	21	.02	7.2	7.5	.5	3.8	.02
6222426	6252608	2608	5	2004	0	20	597308	6073099	13K14	2.0	.44	.56	1	2	15	946	3	2	2	.02	3.8	3.7	.5	1.7	.02
6222427	6252609	2609	5	2004	0	20	597973	6072109	13K14	1.0	1.00	1.10	4	17	20	861	7	2	12	.02	6.2	6.1	.5	2.1	.02
6222428	6252610	2610	5	2004	0	20	599206	6070986	13K14	2.0	.27	.35	3	16	17	2109	12	2	2	.02	3.8	3.6	.5	2.5	.02
6222429	6252611	2611	5	2004	0	20	597381	6068506	13K14	2.0	1.35	1.58	5	19	24	845	10	2	21	.02	7.4	8.1	.5	2.6	.02
6222431	6252612	2612	5	2004	0	20	597519	6067342	13K11	2.0	.49	.59	2	22	17	937	3	2	2	.02	4.2	4.3	.5	3.1	.02
6222432	6252613	2613	5	2004	0	20	596780	6065003	13K11	2.0	.75	.87	4	23	22	1064	6	2	6	.02	5.7	5.8	.5	3.4	.02
6222433	6252614	2614	5	2004	0	20	600251	6065848	13K11	2.0	1.32	1.52	3	16	18	944	4	2	10	.02	6.8	6.8	.5	2.6	.02
6222434	6252615	2615	5	2004	0	20	601380	6064460	13K11	2.0	.86	.88	2	28	18	706	3	2	7	.02	6.5	5.8	.5	4.0	.02
6222435	6252616	2616	5	2004	0	20	602030	6061719	13K11	2.0	.31	.37	2	31	18	2043	4	2	2	.02	9.9	10.0	.5	5.3	.02
6222436	6252617	2617	5	2004	0	20	603866	6061206	13K11	2.0	.79	.83	3	24	24	2724	6	2	9	.02	11.7	11.9	.5	6.6	.02

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Mo2	Na1	Na2	Nb2	Nd1	Ni2	P2	Pb2	Rb1	Rb2	Sb1	Sc1	Sc2	Se1	Sm1	Sr1
6222437	6252618	2618	5	2004	0	20	606733	6060660	13K11	2.0	.32	.38	2	29	14	893	3	2	2	.02	7.0	6.9	.5	6.0	.02
6222438	6252619	2619	5	2004	0	20	608846	6061480	13K11	1.0	.27	.31	2	30	20	2057	2	2	2	.40	9.9	10.3	.5	6.8	.02
6222439	6252620	2620	5	2004	1	20	606941	6064250	13K11	2.0	.50	.59	2	18	17	1268	5	2	2	.02	7.8	7.9	.5	4.1	.02
6222441	6252621	2621	5	2004	2	20	606941	6064250	13K11	3.0	.54	.65	1	19	18	1206	5	2	2	.02	8.3	8.2	.5	4.1	.02
6222442	6252622	2622	5	2004	0	20	605693	6063867	13K11	3.0	.21	.24	1	2	16	1920	5	2	2	.02	6.2	6.1	.5	3.7	.02
6222443	6252623	2623	5	2004	0	20	604166	6064198	13K11	3.0	.19	.25	1	31	17	2615	5	2	2	.02	9.9	11.0	.5	6.6	.02
6222444	6252624	2624	5	2004	0	20	605799	6065870	13K11	2.0	.26	.31	1	17	11	861	2	2	2	.02	5.4	5.1	7.0	3.3	.02
6222445	6252625	2625	5	2004	0	20	603735	6066355	13K11	2.0	.28	.35	1	2	14	578	3	2	2	.02	5.4	5.5	.5	3.3	.02
6222446	6252626	2626	5	2004	0	20	602804	6066355	13K11	3.0	1.81	1.90	7	32	19	1167	7	59	32	.02	11.7	11.5	.5	6.4	.02
6222447	6252627	2627	5	2004	0	20	603345	6068581	13K14	2.0	.21	.23	1	13	11	1199	3	2	2	.02	5.8	5.5	.5	2.5	.02
6222448	6252628	2628	5	2004	0	20	601613	6068984	13K14	2.0	1.31	1.27	3	29	25	1351	8	2	12	.02	13.0	12.8	.5	6.9	.02
6222449	6252629	2629	5	2004	0	20	600301	6068426	13K14	4.0	.19	.21	1	27	22	466	4	2	2	.02	4.2	4.1	.5	3.9	.02
6222451	6252630	2630	5	2004	0	20	601496	6071136	13K14	1.0	.95	.95	2	2	16	898	15	2	8	.02	7.2	6.8	.5	3.1	.02
6222452	6252631	2631	5	2004	0	20	606380	6074818	13K14	.5	.13	.12	1	9	3	342	1	2	2	.02	1.5	1.0	.5	.6	.02
6222453	6252632	2632	5	2004	0	20	605308	6074813	13K14	1.0	.30	.32	1	2	8	321	4	2	2	.02	5.2	4.8	.5	2.9	.02
6222454	6252633	2633	5	2004	0	20	604677	6075822	13K14	.5	.12	.11	1	2	4	403	1	2	2	.02	1.6	1.1	.5	.8	.02
6222455	6252634	2634	5	2004	0	20	601954	6076470	13K14	1.0	.20	.20	1	10	24	445	2	2	2	.02	2.9	2.4	.5	1.4	.02
6222456	6252635	2635	5	2004	0	20	600716	6076265	13K14	7.0	.61	.69	1	15	28	2149	5	2	6	.02	6.9	6.4	.5	3.2	.02
6222457	6252636	2636	5	2004	0	20	627719	6087438	13K14	2.0	.20	.22	1	26	9	1544	3	2	2	.02	4.3	3.7	.5	4.5	.02
6222459	6252638	2638	5	2004	0	20	624257	6090794	13K14	5.0	.30	.33	2	43	12	833	8	2	7	.02	4.5	3.7	.5	6.0	.02
6222461	6252639	2639	5	2004	0	20	626304	6092979	13K14	4.0	2.16	2.19	8	26	31	1002	13	66	50	.02	13.0	12.1	.5	6.5	.08
6222462	6252640	2640	5	2004	0	20	626255	6094455	13K14	3.0	.51	.53	2	2	6	347	9	2	2	.02	3.5	2.6	.5	5.2	.02
6222463	6252641	2641	5	2004	0	20	624575	6094804	13K14	2.0	.28	.31	1	25	16	483	3	2	2	.02	3.2	2.7	.5	4.0	.02
6222464	6252642	2642	5	2004	1	20	622983	6095924	13K14	50.0	.16	.15	1	48	22	1235	5	2	2	.02	3.3	2.7	.5	7.4	.02
6222465	6252643	2643	5	2004	2	20	622983	6095924	13K14	48.0	.16	.16	2	54	24	1439	6	2	2	.02	3.5	3.1	.5	8.3	.02
6222466	6252644	2644	5	2004	0	20	623872	6092915	13K14	9.0	.65	.71	2	37	14	738	8	2	8	.02	5.6	4.8	.5	5.6	.02
6222467	6252645	2645	5	2004	0	20	622695	6091530	13K14	1.0	.41	.42	1	31	12	427	4	2	2	.40	3.7	3.0	.5	4.4	.02
6222468	6252646	2646	5	2004	0	20	620986	6090414	13K14	1.0	2.31	2.42	14	16	22	588	1	2	15	.02	18.0	16.7	.5	3.1	.02
6222469	6252647	2647	5	2004	0	20	619703	6090121	13K14	9.0	.32	.32	1	39	8	377	4	2	2	.02	3.6	3.0	.5	6.6	.02
6222471	6252648	2648	5	2004	0	20	618150	6089707	13K14	22.0	.50	.48	3	90	13	2233	8	2	2	.02	5.8	4.4	.5	14.0	.02
6222472	6252649	2649	5	2004	0	20	603980	6072378	13K14	2.0	1.72	1.68	4	29	23	1558	7	2	13	.02	12.0	10.8	.5	4.7	.02
6222473	6252650	2650	5	2004	0	20	601301	6074711	13K14	2.0	.48	.43	1	2	20	1375	5	2	2	.02	13.0	9.7	.5	3.5	.02
6222474	6252651	2651	5	2004	0	20	613039	6083297	13K14	13.0	.21	.08	1	2	8	627	2	2	2	.02	4.2	2.0	.5	2.8	.02
6222475	6252652	2652	5	2004	0	20	614530	6083191	13K14	8.0	.20	.19	1	2	8	241	2	2	2	.02	2.3	1.6	.5	2.6	.02
6222476	6252653	2653	5	2004	0	20	614736	6084388	13K14	6.0	.90	.87	3	32	12	658	7	2	8	.02	7.0	5.7	.5	5.2	.02
6222477	6252654	2654	5	2004	0	20	613490	6085880	13K14	5.0	.66	.66	3	20	13	1035	7	2	2	.02	5.6	4.6	.5	5.0	.02
6222478	6252655	2655	5	2004	0	20	613279	6087498	13K14	9.0	.18	.16	1	2	10	961	7	2	2	.02	3.3	2.2	.5	4.6	.02
6222479	6252656	2656	5	2004	0	20	615386	6087234	13K14	33.0	.86	.84	5	110	19	3279	13	2	12	.20	8.8	7.1	.5	19.0	.02
6222481	6252657	2657	5	2004	0	20	616235	6089502	13K14	4.0	.22	.22	1	30	9	308	3	2	2	.02	2.5	2.2	.5	4.2	.02
6222482	6252658	2658	5	2004	0	20	613497	6091444	13K14	9.0	.39	.40	2	64	15	439	5	2	2	.02	3.3	3.6	.5	8.5	.08
6222483	6252659	2659	5	2004	0	20	616218	6092643	13K14	6.0	.55	.56	2	61	15	415	7	2	2	.02	4.1	4.2	.5	8.9	.02
6222484	6252660	2660	5	2004	0	20	615248	6094192	13K14	5.0	.26	.24	1	2	7	1001	4	2	2	.02	2.2	2.1	8.0	2.8	.02
6222485	6252661	2661	5	2004	0	20	615334	6095432	13K14	2.0	.35	.33	1	13	10	399	13	2	2	.02	2.9	2.6	.5	2.7	.02
6222486	6252662	2662	5	2004	0	20	617160	6094799	13K14	7.0	.30	.26	1	94	21	470	4	2	2	.02	4.2	4.5	.5	14.0	.02
6222487	6252663	2663	5	2004	1	20	617345	6093269	13K14	9.0	.77	.60	1	120	16	263	5	2	6	.02	5.0	5.6	.5	17.0	.02
6222488	6252664	2664	5	2004	2	20	617345	6093269	13K14	6.0	2.48	2.46	6	32	16	547	9	2	35	.02	8.0	9.7	.5	5.5	.02
6222489	6252665	2665	5	2004	0	20	618472	6093882	13K14	3.0	.11	.07	1	30	6	241	2	2	2	.02	1.2	.7	.5	2.4	.02
6222491	6252666	2666	5	2004	0	20	618950	6092180	13K14	3.0	.20	.18	1	84	12	435	3	2	2	.02	2.6	2.3	.5	13.0	.02

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Mo2	Na1	Na2	Nb2	Nd1	Ni2	P2	Pb2	Rb1	Rb2	Sb1	Sc1	Sc2	Se1	Sm1	Sr1
6222492	6252667	2667	5	2004	0	20	619600	6088563	13K14	18.0	.32	.38	2	38	9	992	4	2	2	.02	3.3	3.0	.5	6.1	.02
6222493	6252668	2668	5	2004	0	20	617825	6087263	13K14	3.0	.73	.74	3	40	12	1162	7	2	10	.02	5.2	5.0	.5	6.9	.02
6222494	6252669	2669	5	2004	0	20	619020	6086526	13K14	10.0	.16	.16	1	41	10	393	16	2	2	.02	2.7	2.2	.5	6.1	.02
6222495	6252670	2670	5	2004	0	20	618410	6085023	13K14	4.0	.27	.35	1	79	13	635	6	2	2	.02	4.6	5.1	.5	12.0	.02
6222496	6252671	2671	5	2004	0	20	616514	6083548	13K14	2.0	2.13	2.58	4	11	13	487	6	2	20	.02	7.9	8.6	.5	2.3	.02
6222497	6252672	2672	5	2004	0	20	618033	6081425	13K14	5.0	.14	.16	1	27	10	805	4	2	2	.02	2.7	2.6	.5	4.3	.02
6222498	6252673	2673	5	2004	0	20	619637	6081600	13K14	4.0	.52	.63	2	20	8	585	5	2	8	.02	4.2	4.3	.5	3.6	.02
6222499	6252674	2674	5	2004	0	20	620647	6082794	13K14	9.0	.65	.74	3	23	11	739	7	2	8	.02	5.0	4.9	.5	4.4	.02
6222501	6252675	2675	5	2004	0	20	621500	6084503	13K14	5.0	.11	.10	1	15	28	571	7	2	2	.02	2.2	1.9	.5	2.9	.02
6222502	6252676	2676	5	2004	0	20	622741	6082033	13K14	7.0	.16	.18	3	21	12	1973	6	2	2	.02	3.9	3.8	.5	4.3	.02
6222503	6252677	2677	5	2004	0	20	624759	6081379	13K14	3.0	.55	.53	2	19	12	725	5	2	2	.02	4.2	4.2	.5	4.4	.02
6222504	6252678	2678	5	2004	0	20	626419	6080798	13K14	7.0	.43	.38	2	45	15	2115	5	2	5	.02	6.4	5.9	.5	7.5	.02
6222505	6252679	2679	5	2004	0	20	624959	6083635	13K14	2.0	.14	.12	1	2	11	847	4	37	2	.02	2.7	2.6	.5	3.9	.02
6222506	6252680	2680	5	2004	0	20	626738	6083579	13K14	4.0	.83	.85	3	24	13	1287	7	20	9	.02	5.6	6.2	.5	4.0	.02
6222507	6252681	2681	5	2004	0	20	627222	6085096	13K14	4.0	.38	.38	2	22	11	2198	6	20	2	.02	4.4	4.6	.5	4.8	.02
6222508	6252682	2682	5	2004	0	20	625513	6085380	13K14	2.0	.14	.12	1	9	6	562	2	2	2	.02	1.8	1.6	.5	1.6	.02
6222509	6252683	2683	5	2004	0	20	624413	6087514	13K14	7.0	.52	.54	3	30	16	1499	8	2	5	.02	4.6	4.9	.5	5.9	.02
6222511	6252684	2684	5	2004	1	20	622752	6087510	13K14	3.0	.11	.08	1	25	7	484	4	2	2	.30	1.8	1.6	.5	4.0	.02
6222512	6252685	2685	5	2004	2	20	622752	6087510	13K14	3.0	.11	.08	1	30	8	418	4	2	2	.02	1.8	1.6	.5	4.2	.02
6222513	6252686	2686	5	2004	0	20	604511	6044449	13K11	2.0	.28	.26	1	43	8	630	4	2	2	.02	4.2	4.5	.5	9.0	.02
6222514	6252687	2687	5	2004	0	20	605208	6045507	13K11	3.0	.17	.16	1	40	8	386	14	2	2	.02	5.3	5.2	.5	8.6	.02
6222515	6252688	2688	5	2004	0	20	606174	6044903	13K11	5.0	.86	.84	4	72	17	1277	7	2	19	.30	9.6	8.9	.5	13.0	.02
6222516	6252689	2689	5	2004	0	20	606740	6045747	13K11	3.0	1.27	1.39	6	41	27	1307	9	2	33	.02	10.4	10.8	.5	8.7	.02
6222517	6252690	2690	5	2004	0	20	610332	6043879	13K11	2.0	.37	.42	1	40	8	533	4	2	6	.02	7.0	7.6	.5	9.3	.02
6222518	6252691	2691	5	2004	0	20	611187	6044298	13K11	2.0	1.61	1.83	7	24	21	567	10	62	42	.02	9.6	10.6	.5	5.9	.02
6222521	6252693	2693	5	2004	0	20	614148	6043712	13K11	13.0	N.A.	.94	5	N.A.	22	2920	15	N.A.	17	N.A.	N.A.	15.8	N.A.	N.A.	N.A.
6222522	6252694	2694	5	2004	0	20	615929	6044100	13K11	12.0	.58	.71	4	42	17	1956	9	2	17	.40	8.8	9.8	.5	9.5	.02
6222523	6252695	2695	5	2004	0	20	618562	6044372	13K11	6.0	1.68	2.04	8	25	27	849	11	46	50	.50	12.0	13.0	.5	7.0	.02
6222524	6252696	2696	5	2004	0	20	618721	6045413	13K11	8.0	.28	.30	1	36	9	353	8	2	2	.10	4.6	4.4	.5	6.6	.02
6222525	6252697	2697	5	2004	0	20	622906	6044977	13K11	3.0	1.31	1.55	6	50	41	1714	11	2	33	.30	11.2	12.0	.5	11.0	.02
6222526	6252698	2698	5	2004	0	20	624840	6044333	13K11	4.0	.27	.25	1	30	15	751	6	2	2	.02	4.4	3.6	.5	6.0	.02
6222527	6252699	2699	5	2004	0	20	624836	6046247	13K11	4.0	1.96	2.46	9	16	42	818	13	53	55	.30	10.4	12.1	.5	5.9	.02
6222528	6252700	2700	5	2004	0	20	623327	6046848	13K11	3.0	1.19	1.46	5	29	23	820	12	2	27	.20	7.2	7.8	.5	8.4	.02
6222529	6252701	2701	5	2004	0	20	625730	6048234	13K11	7.0	.37	.41	4	88	40	2839	11	2	9	.40	9.6	9.3	.5	19.0	.02
6222531	6252702	2702	5	2004	0	20	623984	6048536	13K11	3.0	.98	1.11	4	38	17	1160	7	34	26	.02	7.2	7.8	.5	8.6	.02
6222532	6252703	2703	5	2004	0	20	620837	6048606	13K11	2.0	.40	.45	1	13	9	356	4	2	8	.02	3.4	3.3	.5	3.7	.02
6222533	6252704	2704	5	2004	0	20	620220	6046712	13K11	11.0	.18	.18	1	29	12	638	3	2	2	.02	4.1	4.1	.5	7.4	.02
6222534	6252705	2705	5	2004	1	20	618482	6047458	13K11	20.0	.24	.28	2	37	12	1498	5	2	2	.02	6.6	6.8	.5	8.9	.02
6222535	6252706	2706	5	2004	2	20	618482	6047458	13K11	14.0	.19	.19	1	24	12	827	3	2	2	.40	4.8	4.8	.5	7.0	.02
6222536	6252707	2707	5	2004	0	20	615784	6046708	13K11	10.0	.35	.40	2	42	16	1185	4	2	6	.30	5.8	5.8	.5	9.0	.02
6222537	6252708	2708	5	2004	0	20	613725	6046145	13K11	3.0	1.43	1.67	5	25	20	749	8	35	30	.02	8.0	8.6	.5	7.2	.02
6222538	6252709	2709	5	2004	0	20	610999	6048567	13K11	3.0	1.03	1.10	4	23	24	984	8	2	26	.02	8.0	8.6	.5	6.4	.02
6222539	6252710	2710	5	2004	0	20	612077	6050722	13K11	7.0	.57	.66	3	68	29	2361	9	2	14	.02	7.1	7.2	.5	14.0	.02
6222541	6252711	2711	5	2004	0	20	614595	6049079	13K11	2.0	1.50	1.84	7	22	30	1511	10	2	39	.02	11.2	12.1	.5	7.1	.02
6222542	6252712	2712	5	2004	0	20	615893	6050426	13K11	3.0	.93	1.06	5	19	16	1048	10	2	22	.20	6.6	6.6	.5	4.8	.02
6222543	6252713	2713	5	2004	0	20	618347	6051927	13K11	2.0	.16	.13	1	15	10	361	4	2	2	.02	2.7	2.1	.5	4.2	.12
6222544	6252714	2714	5	2004	0	20	620255	6051999	13K11	3.0	.20	.19	1	11	10	403	11	2	2	.02	2.8	2.6	.5	4.4	.10
6222545	6252715	2715	5	2004	0	20	621245	6053026	13K11	8.0	.22	.25	1	22	10	830	3	2	2	.02	3.1	2.8	.5	4.1	.02

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Mo2	Na1	Na2	Nb2	Nd1	Ni2	P2	Pb2	Rb1	Rb2	Sb1	Sc1	Sc2	Se1	Sm1	Sr1
6222546	6252716	2716	5	2004	0	20	622371	6050606	13K11	2.0	.30	.31	1	2	8	445	3	2	2	.02	3.3	2.6	.5	2.3	.02
6222547	6252717	2717	5	2004	0	20	625892	6051900	13K11	1.0	1.60	1.80	6	30	24	1022	11	2	34	.02	8.8	9.2	.5	8.0	.02
6222548	6252718	2718	5	2004	0	20	627954	6057784	13K11	6.0	.36	.38	2	17	15	718	10	2	2	.50	4.1	3.7	.5	5.0	.02
6222549	6252719	2719	5	2004	0	20	625948	6057629	13K11	2.0	.35	.42	1	27	11	1334	9	2	2	.02	3.4	3.5	.5	5.4	.02
6222551	6252720	2720	5	2004	0	20	626516	6058440	13K11	5.0	.13	.15	2	26	15	1747	6	2	2	.02	3.3	3.4	.5	5.6	.02
6222552	6252721	2721	5	2004	0	20	626255	6059306	13K11	6.0	.19	.24	2	34	12	2146	29	2	2	.20	3.9	4.2	.5	7.3	.02
6222553	6252722	2722	5	2004	0	20	628588	6060943	13K11	4.0	.48	.55	2	26	14	721	9	2	2	.02	4.3	4.4	.5	5.7	.02
6222554	6252723	2723	5	2004	0	20	625557	6060521	13K11	5.0	.19	.22	2	33	11	1162	10	2	2	.02	3.6	3.6	.5	7.0	.02
6222555	6252724	2724	5	2004	0	20	626958	6063012	13K11	6.0	.35	.43	3	27	17	1557	11	2	6	.02	4.5	4.7	.5	7.1	.02
6222556	6252725	2725	5	2004	0	20	628611	6064379	13K11	8.0	.15	.16	1	19	10	1146	7	2	2	.30	2.6	2.6	.5	4.2	.02
6222557	6252726	2726	5	2004	1	20	628693	6067481	13K11	4.0	.73	.85	3	46	19	737	8	2	17	.02	5.2	5.5	.5	11.0	.02
6222558	6252727	2727	5	2004	2	20	628693	6067481	13K11	4.0	.61	.76	3	50	18	781	9	2	12	.02	5.0	5.4	.5	11.0	.02
6222559	6252728	2728	5	2004	0	20	626396	6064885	13K11	6.0	.14	.12	1	30	9	1974	7	32	2	.02	3.4	3.4	7.0	6.4	.02
6222561	6252729	2729	5	2004	0	20	624623	6063926	13K11	2.0	.87	.91	3	31	9	574	13	2	16	.02	4.7	4.5	.5	5.2	.02
6222562	6252730	2730	5	2004	0	20	624030	6067389	13K11	6.0	.12	.08	1	21	15	335	4	2	2	.02	2.5	2.0	.5	4.4	.02
6222563	6252731	2731	5	2004	0	20	620005	6067679	13K11	26.0	.29	.33	2	91	17	951	8	2	10	.30	6.6	6.5	.5	17.0	.02
6222564	6252732	2732	5	2004	0	20	618060	6066551	13K11	12.0	.13	.13	2	62	12	1900	8	2	2	.02	5.2	5.2	.5	12.0	.02
6222565	6252733	2733	5	2004	0	20	616894	6066551	13K11	23.0	.62	.65	5	92	21	3166	13	2	14	.02	12.0	10.2	.5	18.0	.02
6222566	6252734	2734	5	2004	0	20	614178	6066473	13K11	13.0	.17	.18	2	47	14	2107	8	2	2	.02	5.2	5.0	.5	8.9	.02
6222567	6252735	2735	5	2004	0	20	612705	6066764	13K11	4.0	1.27	1.43	5	40	17	784	13	2	20	.30	11.2	11.0	.5	7.1	.09
6222568	6252736	2736	5	2004	0	20	608774	6067763	13K11	5.0	.10	.07	1	150	8	420	3	2	2	.02	7.0	6.6	.5	27.0	.02
6222569	6252737	2737	5	2004	0	20	612880	6063249	13K11	2.0	.22	.25	1	26	7	1516	4	2	2	.30	3.8	3.7	.5	4.8	.02
6222571	6252738	2738	5	2004	0	20	615325	6064084	13K11	1.0	.19	.20	1	29	13	624	3	2	2	.02	3.4	3.0	.5	4.8	.02
6222572	6252739	2739	5	2004	0	20	620228	6065970	13K11	11.0	.19	.21	4	88	18	2575	35	2	2	.02	6.1	6.3	.5	16.0	.02
6222573	6252740	2740	5	2004	1	20	621671	6065092	13K11	6.0	.33	.37	2	77	12	674	11	2	2	.30	5.0	4.9	.5	13.0	.02
6222574	6252741	2741	5	2004	2	20	621671	6065092	13K11	5.0	.38	.45	2	77	13	740	12	2	7	.02	5.2	5.6	.5	14.0	.02
6222575	6252742	2742	5	2004	0	20	624044	6061915	13K11	3.0	.12	.12	1	45	17	1706	6	2	2	.02	3.9	3.9	.5	8.4	.02
6222576	6252743	2743	5	2004	0	20	622542	6062121	13K11	3.0	.45	.48	2	52	13	928	9	2	7	.02	4.7	4.3	.5	8.8	.02
6222577	6252744	2744	5	2004	0	20	620607	6063636	13K11	5.0	.88	.97	4	44	22	1033	8	2	21	.02	6.7	6.9	.5	8.7	.02
6222578	6252745	2745	5	2004	0	20	618227	6062240	13K11	11.0	.43	.49	3	38	20	1271	7	2	10	.02	5.2	5.0	.5	8.7	.02
6222579	6252746	2746	5	2004	0	20	616450	6062354	13K11	3.0	.42	.42	2	31	16	648	5	2	2	.02	5.3	4.4	.5	6.8	.02
6222581	6252747	2747	5	2004	0	20	614200	6061750	13K11	4.0	.30	.28	2	54	15	608	6	2	2	.02	5.8	5.1	.5	9.4	.02
6222582	6252748	2748	5	2004	0	20	612183	6061598	13K11	3.0	2.02	2.24	9	59	34	773	11	100	52	.02	14.4	14.3	.5	13.0	.02
6222583	6252749	2749	5	2004	0	20	613424	6060199	13K11	10.0	.48	.49	4	160	63	2767	10	2	11	.50	9.6	8.8	.5	29.0	.02
6222584	6252750	2750	5	2004	0	20	616406	6061037	13K11	4.0	1.27	1.45	5	94	25	552	10	2	33	.20	7.8	8.4	.5	18.0	.02
6222585	6252751	2751	5	2004	0	20	618120	6059923	13K11	3.0	1.95	2.21	9	54	26	899	13	58	54	.02	11.2	11.7	.5	11.0	.02
6222586	6252752	2752	5	2004	0	20	620150	6062578	13K11	11.0	.22	.22	2	130	17	1686	6	2	2	.30	6.2	5.9	.5	22.0	.02
6222587	6252753	2753	5	2004	0	20	620880	6060316	13K11	3.0	.09	.05	1	72	10	506	4	2	2	.02	3.4	2.8	.5	11.0	.02
6222588	6252754	2754	5	2004	0	20	622165	6060390	13K11	5.0	.90	1.03	3	54	17	1112	7	2	15	.30	6.2	6.3	.5	10.0	.02
6222589	6252755	2755	5	2004	0	20	622369	6057957	13K11	12.0	.30	.34	3	35	16	1690	11	2	2	.02	4.6	4.4	.5	7.3	.02
6222591	6252756	2756	5	2004	0	20	621246	6057199	13K11	3.0	.18	.13	1	24	25	440	10	2	2	.02	2.7	1.8	.5	4.0	.02
6222592	6252757	2757	5	2004	0	20	618003	6058085	13K11	5.0	.17	.18	2	240	23	856	8	2	6	.30	8.0	7.8	.5	37.0	.02
6222593	6252758	2758	5	2004	1	20	616068	6057000	13K11	6.0	.17	.15	1	38	22	793	4	2	2	.02	3.9	3.0	.5	8.6	.02
6222594	6252759	2759	5	2004	2	20	616068	6057000	13K11	5.0	.19	.15	1	36	8	884	3	2	2	.20	3.8	3.0	.5	7.9	.02
6222595	6252760	2760	5	2004	0	20	613943	6057543	13K11	10.0	.23	.24	2	51	14	1642	5	2	6	.02	4.9	4.5	.5	11.0	.02
6222596	6252761	2761	5	2004	0	20	612092	6059807	13K11	12.0	.35	.36	2	58	23	1413	5	2	9	.02	6.9	7.2	.5	11.0	.02
6222597	6252762	2762	5	2004	0	20	610350	6057184	13K11	4.0	1.79	2.01	8	46	35	1856	14	75	54	.40	12.0	12.4	.5	13.0	.02
6222598	6252763	2763	5	2004	0	20	608975	6059330	13K11	3.0	1.31	1.42	6	30	23	1249	8	2	24	.02	13.6	12.9	.5	8.3	.02

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Mo2	Na1	Na2	Nb2	Nd1	Ni2	P2	Pb2	Rb1	Rb2	Sb1	Sc1	Sc2	Se1	Sm1	Sr1
6222599	6252764	2764	5	2004	0	20	606952	6059273	13K11	2.0	1.37	1.58	5	18	34	1484	8	46	20	.02	11.2	10.9	.5	5.5	.02
6222601	6252765	2765	5	2004	0	20	604659	6058265	13K11	5.0	1.43	1.64	7	47	28	1909	12	2	35	.30	11.2	11.4	.5	14.0	.02
6222602	6252766	2766	5	2004	0	20	601642	6058654	13K11	3.0	1.02	1.06	4	25	21	1310	8	52	17	.02	7.9	7.7	.5	6.1	.02
6222603	6252767	2767	5	2004	0	20	600194	6059955	13K11	2.0	.71	.70	2	22	18	1449	4	2	10	.02	7.8	7.1	.5	5.8	.02
6222604	6252768	2768	5	2004	0	20	599941	6061996	13K11	1.0	.37	.35	1	15	11	1347	3	2	2	.02	4.8	3.7	.5	2.7	.02
6222605	6252769	2769	5	2004	0	20	599708	6063486	13K11	1.0	.57	.54	1	18	20	585	4	2	5	.02	5.2	4.2	.5	2.7	.02
6222606	6252770	2770	5	2004	0	20	607290	6050972	13K11	47.0	.19	.16	2	66	11	485	5	2	2	.02	3.6	2.6	.5	8.4	.02
6222607	6252771	2771	5	2004	0	20	607421	6052996	13K11	6.0	.19	.18	1	46	10	718	3	2	2	.02	3.3	2.6	.5	8.4	.02
6222608	6252772	2772	5	2004	0	20	604696	6052880	13K11	9.0	.32	.30	2	104	17	793	5	2	2	.02	5.2	4.2	.5	16.8	.02
6222609	6252773	2773	5	2004	0	20	604702	6051715	13K11	2.0	.15	.10	1	45	7	507	3	2	2	.02	2.9	1.9	.5	7.0	.14
6222611	6252774	2774	5	2004	0	20	603247	6050149	13K11	6.0	.14	.13	1	69	6	218	4	2	2	.02	3.1	2.6	.5	9.8	.02
6222612	6252775	2775	5	2004	0	20	602740	6051780	13K11	3.0	2.24	2.23	6	24	18	627	8	39	31	.30	9.8	9.0	.5	4.3	.02
6222613	6252776	2776	5	2004	0	20	601214	6052663	13K11	4.0	1.89	1.77	6	37	19	638	9	69	26	.02	10.5	9.2	.5	6.7	.02
6222614	6252777	2777	5	2004	0	20	601128	6050628	13K11	7.0	.23	.21	1	88	9	340	3	2	2	.02	3.4	2.7	.5	12.6	.02
6222615	6252778	2778	5	2004	0	20	596961	6049839	13K11	3.0	.30	.31	1	25	12	871	4	2	2	.02	3.2	2.7	.5	3.9	.02
6222616	6252779	2779	5	2004	0	20	598805	6052240	13K11	4.0	1.95	2.03	6	20	20	682	9	2	29	.30	9.8	9.0	.5	5.3	.02
6222617	6252780	2780	5	2004	1	20	598519	6055273	13K11	2.0	.66	.72	3	44	14	1228	5	2	11	.02	8.4	7.3	.5	6.0	.02
6222618	6252781	2781	5	2004	2	20	598519	6055273	13K11	2.0	.61	.70	3	40	13	1514	6	2	12	.02	7.7	7.4	.5	5.8	.02
6222619	6252782	2782	5	2004	0	20	599677	6055357	13K11	3.0	1.13	1.11	5	46	17	1422	8	2	21	.02	11.9	11.0	.5	9.1	.02
6222621	6252783	2783	5	2004	0	20	601932	6055145	13K11	2.0	1.29	1.30	6	49	18	1327	8	2	23	.02	14.7	14.2	.5	7.7	.02
6222622	6252784	2784	5	2004	0	20	603275	6054939	13K11	11.0	.23	.25	2	65	11	1425	6	2	2	.02	7.7	6.9	.5	10.5	.02
6222623	6252785	2785	5	2004	0	20	606018	6054073	13K11	7.0	.34	.36	2	128	16	697	5	2	2	.02	4.8	4.1	.5	18.2	.02
6222624	6252786	2786	5	2004	0	20	607538	6054188	13K11	11.0	.16	.16	1	73	11	468	5	2	2	.02	3.6	2.8	.5	10.5	.02
6222625	6252787	2787	5	2004	0	20	607501	6057440	13K11	7.0	.78	.68	5	112	20	1616	12	2	19	.02	9.8	8.9	.5	18.9	.02
6222626	6252788	2788	5	2004	0	20	604055	6056924	13K11	5.0	.55	.52	3	73	11	764	17	2	11	.02	7.7	5.9	.5	10.5	.02
6222627	6252789	2789	5	2004	0	20	602857	6056136	13K11	8.0	.25	.24	2	62	18	1590	6	30	2	.02	8.4	6.8	.5	9.1	.02
6222628	6252790	2790	5	2004	0	20	600388	6056698	13K11	4.0	.23	.22	3	38	14	2647	8	2	2	.02	7.0	5.8	.5	6.1	.02
6222629	6252791	2791	5	2004	0	20	598414	6057686	13K11	2.0	.17	.17	2	26	14	1720	4	2	2	.02	6.2	5.2	.5	5.2	.02
6222631	6252792	2792	5	2004	0	20	597550	6059064	13K11	2.0	.87	.78	3	42	18	628	6	2	10	.02	9.1	7.9	.5	6.3	.02
6222632	6252793	2793	5	2004	0	20	598002	6060674	13K11	2.0	.59	.59	2	22	20	1275	5	2	7	.02	6.9	5.7	.5	4.2	.02

* N.A. indicates not analyzed.

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Sr2	Ta1	Tb1	Th1	Ti2	U1	V2	W1	Y2	Yb1	Zn1	Zn2	Zr2	nductivity	pH_w	Alw2
6222331	6252522	2522	5	2004	0	20	609780	6051657	13K11	140	.1	.2	6.3	2049	9.6	60	.2	44	4.3	167	122	56	15.82	6.43	87
6222332	6252523	2523	5	2004	0	20	610407	6053269	13K11	45	.1	1.6	3.2	427	17.6	35	.2	40	3.7	25	76	11	16.08	6.65	78
6222333	6252524	2524	5	2004	0	20	611285	6055035	13K11	49	.1	1.6	4.5	650	7.9	35	.2	33	3.0	25	38	14	13.11	6.54	65
6222334	6252525	2525	5	2004	0	20	612583	6053506	13K11	96	.1	.2	4.9	1513	9.5	81	.2	26	2.2	25	72	32	17.06	6.75	87
6222335	6252526	2526	5	2004	0	20	613685	6054804	13K11	116	.1	1.2	5.0	1344	17.6	77	.2	36	3.4	95	133	29	14.88	6.73	97
6222336	6252527	2527	5	2004	0	20	614399	6053534	13K11	74	.1	.2	1.8	1076	10.2	28	.2	11	1.1	25	30	28	25.90	6.95	78
6222337	6252528	2528	5	2004	0	20	616222	6055146	13K11	50	.1	.2	2.6	792	8.1	62	.2	23	2.2	80	53	21	17.63	6.64	61
6222338	6252529	2529	5	2004	0	20	616906	6054197	13K11	91	.1	.2	1.8	968	9.6	54	.2	16	1.4	25	63	26	24.90	7.05	32
6222339	6252530	2530	5	2004	0	20	618724	6055614	13K11	230	.1	1.4	5.0	3087	45.1	161	.2	24	2.1	164	116	81	20.90	6.83	26
6222341	6252531	2531	5	2004	0	20	619472	6053792	13K11	44	.1	.2	1.5	561	1.9	36	.2	11	1.0	72	32	9	16.42	6.69	80
6222342	6252532	2532	5	2004	0	20	621075	6055384	13K11	82	.1	.2	5.0	1525	27.5	80	.2	36	3.4	154	148	37	17.30	6.87	47
6222343	6252533	2533	5	2004	0	20	622744	6054186	13K11	263	.1	.2	3.0	4765	8.9	80	.2	14	1.6	25	70	86	22.30	6.66	70
6222344	6252534	2534	5	2004	0	20	623647	6055815	13K11	88	.1	.2	4.8	1841	40.7	101	.2	28	2.8	151	144	39	12.27	6.56	69
6222345	6252535	2535	5	2004	0	20	625561	6054397	13K11	36	.1	.2	.2	369	.1	10	.2	3	.5	25	21	10	16.36	6.38	36
6222346	6252536	2536	5	2004	0	20	627992	6055959	13K11	151	.1	.2	2.8	2379	6.3	37	.2	12	1.4	25	49	59	40.50	7.14	40
6222347	6252537	2537	5	2004	0	20	628742	6053353	13K11	200	.1	.5	5.0	3750	.1	73	.2	22	2.5	72	69	84	22.20	6.88	43
6222348	6252538	2538	5	2004	0	20	628391	6051381	13K11	55	.1	.2	3.0	1030	4.0	37	.2	20	2.0	101	47	30	18.47	6.86	59
6222349	6252539	2539	5	2004	0	20	627349	6050544	13K11	103	.1	.2	3.8	2140	23.1	69	.2	29	2.6	25	133	65	26.90	7.05	47
6222351	6252540	2540	5	2004	0	20	628615	6048752	13K11	143	.1	1.2	5.7	3207	22.0	84	.2	27	2.6	25	94	91	16.57	6.81	85
6222352	6252541	2541	5	2004	1	20	627511	6048667	13K11	69	.1	.2	4.6	1650	4.6	53	.2	34	3.0	81	105	46	16.47	6.76	72
6222353	6252542	2542	5	2004	2	20	627511	6048667	13K11	72	.1	.2	4.6	1663	5.1	58	.2	37	3.5	122	114	46	16.39	6.74	76
6222354	6252543	2543	5	2004	0	20	626749	6046081	13K11	191	.1	.2	5.1	4402	3.5	80	.2	23	2.7	107	92	130	17.01	6.86	74
6222355	6252544	2544	5	2004	0	20	627241	6045031	13K11	51	N.A.	N.A.	N.A.	1229	N.A.	78	N.A.	54	N.A.	N.A.	207	38	18.56	6.93	52
6222356	6252545	2545	5	2004	0	20	629355	6043978	13K11	235	.1	1.5	8.4	3872	12.1	87	.2	42	5.0	159	104	136	19.80	6.97	54
6222357	6252546	2546	5	2004	0	20	628020	6043042	13K11	42	.1	.2	4.3	564	5.9	25	.2	22	2.5	25	68	22	19.62	6.72	48
6222358	6252547	2547	5	2004	0	20	625656	6043407	13K11	53	N.A.	N.A.	N.A.	731	N.A.	94	N.A.	35	N.A.	N.A.	102	25	19.60	6.84	50
6222359	6252548	2548	5	2004	0	20	623700	6041361	13K11	82	1.5	1.1	4.8	1394	93.5	39	.2	36	3.0	106	81	49	55.20	7.30	22
6222361	6252549	2549	5	2004	0	20	621757	6043047	13K11	59	.1	2.3	5.2	851	41.8	46	.2	46	5.4	138	86	37	41.60	7.35	44
6222362	6252550	2550	5	2004	0	20	621136	6040818	13K11	72	.1	2.1	5.3	596	165.0	69	.2	50	3.9	103	119	30	47.50	7.32	45
6222363	6252551	2551	5	2004	0	20	619500	6041303	13K11	71	.1	1.3	6.2	1337	66.0	56	.2	45	4.2	182	152	54	45.00	7.35	33
6222364	6252552	2552	5	2004	0	20	617312	6041356	13K11	143	N.A.	N.A.	N.A.	3329	N.A.	73	N.A.	41	N.A.	N.A.	92	128	46.80	7.30	13
6222365	6252553	2553	5	2004	0	20	614130	6042138	13K11	307	.1	.9	5.6	4865	4.7	85	.2	24	3.0	117	85	137	50.80	7.19	10
6222366	6252554	2554	5	2004	0	20	612187	6041041	13K11	262	2.1	.2	6.6	5823	3.4	90	.2	27	3.5	115	67	168	85.90	7.72	1
6222367	6252555	2555	5	2004	0	20	611137	6077132	13K14	84	.1	.2	1.5	884	.1	23	.2	8	.8	25	40	16	29.30	6.95	82
6222368	6252556	2556	5	2004	0	20	612087	6078632	13K14	133	.1	.2	2.1	1959	3.3	83	.2	11	1.1	101	67	24	28.50	7.14	19
6222369	6252557	2557	5	2004	0	20	613437	6077132	13K14	41	.1	.2	.2	365	10.0	44	.2	7	.6	25	44	8	12.56	6.55	26
6222371	6252558	2558	5	2004	0	20	614687	6077822	13K14	32	.1	.5	1.5	377	6.5	52	.2	9	.7	25	65	7	9.74	6.55	21
6222372	6252559	2559	5	2004	0	20	616137	6076632	13K14	65	.1	.2	1.1	754	5.9	16	.2	7	.6	25	41	16	16.16	6.67	37
6222373	6252560	2560	5	2004	0	20	617838	6077357	13K14	34	.1	.2	1.1	540	2.4	75	.2	11	1.0	65	61	10	12.81	6.54	27
6222374	6252561	2561	5	2004	0	20	619637	6076782	13K14	96	.1	1.0	3.9	1202	18.7	122	.2	30	2.7	118	114	25	9.59	6.37	34
6222375	6252562	2562	5	2004	0	20	621837	6076750	13K14	46	.1	.2	1.7	672	7.9	53	.2	8	.9	25	45	13	16.89	6.62	66
6222376	6252563	2563	5	2004	1	20	624637	6075932	13K14	277	.1	1.3	6.3	3884	71.5	79	.2	23	2.1	71	79	112	12.04	6.44	56
6222377	6252564	2564	5	2004	2	20	624742	6076095	13K14	54	.1	.2	2.5	848	47.3	56	.2	14	1.3	107	71	19	14.06	5.83	62
6222378	6252565	2565	5	2004	0	20	624352	6075197	13K14	81	.1	.8	3.6	1520	60.5	59	.2	15	1.4	25	109	32	13.20	6.51	53
6222379	6252566	2566	5	2004	0	20	623175	6073708	13K14	57	.1	.7	2.0	859	8.6	54	.2	15	1.7	25	58	13	12.42	6.34	69
6222381	6252567	2567	5	2004	0	20	619412	6074453	13K14	53	.1	.7	2.9	917	10.1	62	.2	15	1.5	25	58	12	11.35	6.41	85
6222382	6252568	2568	5	2004	0	20	617151	6074156	13K14	53	.1	.2	2.1	748	9.2	32	2.0	11	.8	51	36	17	21.70	6.92	63
6222383	6252569	2569	5	2004	0	20	616758	6075062	13K14	190	.1	.2	2.2	2920	9.6	52	.2	10	1.0	109	57	51	22.60	6.92	36

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Sr2	Ta1	Tb1	Th1	Ti2	U1	V2	W1	Y2	Yb1	Zn1	Zn2	Zr2	nductivity	pH_w	Alw2
6222384	6252570	2570	5	2004	0	20	614048	6073983	13K14	254	.1	.2	1.9	3398	4.5	59	.2	10	1.0	66	68	57	25.40	7.00	40
6222385	6252571	2571	5	2004	0	20	612119	6073734	13K14	267	.1	.2	2.6	3413	2.5	78	.2	13	1.4	25	83	62	18.54	6.71	46
6222386	6252572	2572	5	2004	0	20	612579	6072225	13K14	29	.1	.2	.2	504	5.3	28	.2	6	.5	25	19	7	7.64	5.90	116
6222387	6252573	2573	5	2004	0	20	611303	6071800	13K14	166	.1	.2	2.8	2347	15.4	89	.2	15	1.4	70	66	41	14.93	6.66	85
6222388	6252574	2574	5	2004	0	20	608896	6069333	13K14	30	.1	.2	1.5	251	33.0	39	.2	11	.7	25	19	6	41.30	7.15	51
6222389	6252575	2575	5	2004	0	20	611162	6070100	13K14	85	N.A.	N.A.	N.A.	869	N.A.	136	N.A.	22	N.A.	N.A.	99	14	11.92	6.61	42
6222391	6252576	2576	5	2004	0	20	613949	6069999	13K14	35	.1	.2	1.5	401	3.1	8	.2	8	.5	25	20	10	18.44	6.81	47
6222392	6252577	2577	5	2004	0	20	614910	6070433	13K14	20	.1	.2	1.7	229	19.8	35	.2	19	1.7	25	33	6	15.43	6.87	40
6222393	6252578	2578	5	2004	0	20	615809	6071792	13K14	32	.1	.2	3.3	366	9.1	12	.2	20	2.0	25	19	10	23.80	7.08	38
6222394	6252579	2579	5	2004	0	20	617165	6072293	13K14	56	.1	.2	1.4	846	9.6	28	.2	14	1.2	75	33	17	30.30	7.15	32
6222395	6252580	2580	5	2004	1	20	618326	6069151	13K14	32	.1	.2	2.0	615	5.1	61	.2	11	1.3	25	49	9	11.94	6.20	79
6222396	6252581	2581	5	2004	2	20	618326	6069151	13K14	28	.1	.2	2.3	480	6.8	53	.2	10	.5	25	44	8	11.67	6.42	83
6222397	6252582	2582	5	2004	0	20	619797	6069084	13K14	94	.1	.2	4.2	1428	31.9	68	.2	23	2.0	25	76	34	23.30	6.96	51
6222398	6252583	2583	5	2004	0	20	622052	6070755	13K14	101	.1	.2	4.0	1558	165.0	83	4.0	19	1.5	88	104	31	29.10	7.13	96
6222399	6252584	2584	5	2004	0	20	622845	6069980	13K14	34	.1	1.0	2.9	457	16.5	26	.2	19	1.8	25	44	11	11.18	6.47	50
6222401	6252585	2585	5	2004	0	20	623769	6072387	13K14	117	.1	.2	2.3	1444	17.6	34	.2	10	1.0	25	34	36	12.99	6.43	94
6222402	6252586	2586	5	2004	0	20	625189	6070027	13K14	79	.1	.2	4.0	1431	44.0	29	.2	16	1.7	25	70	40	17.67	6.61	53
6222403	6252587	2587	5	2004	0	20	625926	6069631	13K14	40	.1	.2	5.1	572	572.0	97	.2	21	1.7	25	86	14	15.44	6.69	62
6222404	6252588	2588	5	2004	0	20	628527	6071991	13K14	35	.1	.2	2.4	594	34.1	51	.2	18	1.4	25	74	12	11.17	6.46	64
6222405	6252589	2589	5	2004	0	20	626571	6072519	13K14	35	1.7	.2	1.5	467	44.0	27	.2	14	1.4	25	35	10	10.33	6.31	63
6222406	6252590	2590	5	2004	0	20	626898	6074120	13K14	77	.1	.2	2.1	1227	24.2	36	.2	12	1.0	25	48	29	12.16	6.52	54
6222407	6252591	2591	5	2004	0	20	627083	6076265	13K14	97	.1	.2	3.8	1371	10.3	50	.2	14	1.4	83	64	17	7.85	6.10	79
6222408	6252592	2592	5	2004	0	20	626569	6079167	13K14	43	.1	.2	3.5	509	7.2	15	.2	13	1.2	25	35	11	14.62	6.62	81
6222409	6252593	2593	5	2004	0	20	624539	6078412	13K14	153	.1	.2	2.7	2398	12.1	52	.2	10	1.0	93	57	43	21.40	6.91	56
6222411	6252594	2594	5	2004	0	20	622801	6078605	13K14	57	.1	.2	3.1	906	20.9	101	.2	30	3.1	94	94	18	21.00	4.78	68
6222412	6252595	2595	5	2004	0	20	619596	6079053	13K14	42	.1	.2	1.2	559	4.1	45	.2	10	.9	72	57	12	16.46	5.54	40
6222413	6252596	2596	5	2004	0	20	618582	6078574	13K14	31	.1	.2	.9	348	7.9	26	.2	7	.6	25	42	7	16.20	6.77	29
6222414	6252597	2597	5	2004	0	20	616232	6079699	13K14	84	.1	.2	1.2	1049	4.2	47	.2	8	.8	25	41	19	14.33	6.67	34
6222415	6252598	2598	5	2004	0	20	613190	6080125	13K14	60	.1	.2	1.9	604	9.0	61	.2	14	1.3	89	67	12	19.35	6.93	42
6222416	6252599	2599	5	2004	0	20	610480	6078879	13K14	168	N.A.	N.A.	N.A.	691	N.A.	58	N.A.	18	N.A.	N.A.	93	11	19.05	6.76	45
6222417	6252600	2600	5	2004	1	20	609060	6078213	13K14	125	.1	.2	2.0	1693	3.2	81	.2	11	1.1	25	78	24	22.50	7.00	38
6222418	6252601	2601	5	2004	2	20	609060	6078213	13K14	126	.1	.2	2.6	1746	2.3	84	.2	11	1.2	89	78	25	22.00	7.03	38
6222419	6252602	2602	5	2004	0	20	608216	6079548	13K14	36	.1	.2	1.5	385	1.7	10	.2	6	.5	51	28	5	17.63	6.65	103
6222421	6252603	2603	5	2004	0	20	605594	6078908	13K14	73	.1	.8	1.9	768	3.4	53	.2	9	.9	105	73	10	14.48	6.71	57
6222422	6252604	2604	5	2004	0	20	601186	6078377	13K14	61	.1	.2	.4	534	.1	87	.2	6	.6	25	45	11	27.00	7.18	35
6222423	6252605	2605	5	2004	0	20	598799	6077798	13K14	59	N.A.	N.A.	N.A.	391	N.A.	16	N.A.	6	N.A.	N.A.	32	10	16.15	6.89	43
6222424	6252606	2606	5	2004	0	20	597994	6075483	13K14	81	.1	.2	1.5	539	.1	19	.2	11	1.0	25	27	11	24.60	7.15	194
6222425	6252607	2607	5	2004	0	20	598844	6074870	13K14	297	.1	.2	4.2	2350	.1	52	.2	14	1.7	187	55	59	16.24	6.97	60
6222426	6252608	2608	5	2004	0	20	597308	6073099	13K14	103	.1	.2	.7	933	.1	32	.2	6	.4	25	41	19	12.72	6.81	30
6222427	6252609	2609	5	2004	0	20	597973	6072109	13K14	196	.1	.2	1.8	1903	.1	54	.2	8	1.0	25	45	41	14.30	6.93	27
6222428	6252610	2610	5	2004	0	20	599206	6070986	13K14	70	.1	.2	1.1	796	.1	51	.2	9	.9	107	102	19	12.72	6.83	34
6222429	6252611	2611	5	2004	0	20	597381	6068506	13K14	268	.1	.2	2.8	3079	.1	67	.2	10	1.2	25	58	66	15.42	6.82	51
6222431	6252612	2612	5	2004	0	20	597519	6067342	13K11	105	.1	.2	2.1	1158	.1	44	.2	11	1.4	25	59	24	12.63	6.53	127
6222432	6252613	2613	5	2004	0	20	596780	6065003	13K11	165	.1	.2	1.6	1453	.1	62	.2	12	1.4	127	105	31	11.35	6.64	36
6222433	6252614	2614	5	2004	0	20	600251	6065848	13K11	285	.1	.6	1.4	2182	.1	55	.2	10	1.0	25	73	40	12.13	6.78	44
6222434	6252615	2615	5	2004	0	20	601380	6064460	13K11	164	.1	.2	2.4	1351	.1	43	.2	13	1.6	25	57	27	15.99	6.80	88
6222435	6252616	2616	5	2004	0	20	602030	6061719	13K11	76	.1	.2	4.0	733	.1	58	.2	22	2.9	117	86	16	12.07	6.84	44
6222436	6252617	2617	5	2004	0	20	603866	6061206	13K11	173	.1	.2	3.4	2065	.1	81	.2	22	2.8	92	97	35	14.24	6.75	36

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Sr2	Ta1	Tb1	Th1	Ti2	U1	V2	W1	Y2	Yb1	Zn1	Zn2	Zr2	nductivity	pH_w	Alw2
6222437	6252618	2618	5	2004	0	20	606733	6060660	13K11	73	.1	.2	2.3	1066	.1	47	.2	17	2.1	25	51	23	23.80	6.88	143
6222438	6252619	2619	5	2004	0	20	608846	6061480	13K11	76	.1	.2	5.0	745	.1	63	.2	21	2.3	25	73	18	15.60	6.41	164
6222439	6252620	2620	5	2004	1	20	606941	6064250	13K11	110	.1	.2	2.6	1352	.1	68	.2	14	1.5	25	80	17	15.93	6.61	103
6222441	6252621	2621	5	2004	2	20	606941	6064250	13K11	127	.1	.2	1.8	1541	1.4	76	.2	10	1.7	65	83	18	15.86	6.63	105
6222442	6252622	2622	5	2004	0	20	605693	6063867	13K11	49	.1	.2	1.7	651	.1	62	.2	10	1.8	100	76	13	14.79	6.71	64
6222443	6252623	2623	5	2004	0	20	604166	6064198	13K11	74	.1	1.3	2.5	975	1.3	121	.2	19	3.0	25	95	19	15.97	6.77	71
6222444	6252624	2624	5	2004	0	20	605799	6065870	13K11	70	.1	.2	2.5	802	1.2	49	.2	8	1.3	78	38	16	14.23	6.63	92
6222445	6252625	2625	5	2004	0	20	603735	6066355	13K11	74	.1	.2	1.2	945	.1	44	.2	8	1.1	61	44	18	17.17	6.71	96
6222446	6252626	2626	5	2004	0	20	602804	6066355	13K11	348	.1	.7	4.8	3486	.1	70	.2	16	2.5	79	72	99	15.60	6.72	69
6222447	6252627	2627	5	2004	0	20	603345	6068581	13K14	60	.1	.2	1.7	642	1.3	53	.2	7	.9	25	43	12	14.42	6.68	35
6222448	6252628	2628	5	2004	0	20	601613	6068984	13K14	258	.1	.2	2.8	3292	.1	77	.2	17	2.4	166	116	40	12.95	6.72	25
6222449	6252629	2629	5	2004	0	20	600301	6068426	13K14	50	.1	.2	.2	437	.1	29	.2	10	1.2	70	53	10	12.51	6.55	49
6222451	6252630	2630	5	2004	0	20	601496	6071136	13K14	207	.1	.2	1.4	2476	.1	67	.2	7	1.0	25	55	25	19.43	6.54	36
6222452	6252631	2631	5	2004	0	20	606380	6074818	13K14	35	.1	.2	.8	254	.1	41	.2	2	.5	25	17	6	23.30	6.77	64
6222453	6252632	2632	5	2004	0	20	605308	6074813	13K14	65	.1	.2	1.1	778	1.3	29	.2	7	.9	84	32	13	31.40	6.99	43
6222454	6252633	2633	5	2004	0	20	604677	6075822	13K14	36	.1	.2	.2	267	.1	38	.2	2	.3	68	13	7	42.20	7.10	61
6222455	6252634	2634	5	2004	0	20	601954	6076470	13K14	55	.1	.2	.7	385	.1	24	.2	4	.5	25	31	8	19.68	6.84	38
6222456	6252635	2635	5	2004	0	20	600716	6076265	13K14	123	.1	.2	1.1	1015	.1	70	.2	9	1.3	92	91	20	21.60	6.90	26
6222457	6252636	2636	5	2004	0	20	627719	6087438	13K14	61	.1	.2	1.8	734	10.8	82	.2	10	1.4	62	52	14	14.37	6.57	71
6222459	6252638	2638	5	2004	0	20	624257	6090794	13K14	72	.1	.2	3.3	976	132.0	34	3.0	9	.8	25	46	19	11.44	6.64	116
6222461	6252639	2639	5	2004	0	20	626304	6092979	13K14	341	.1	.7	7.0	4107	6.9	89	.2	16	2.2	25	89	72	18.82	6.64	82
6222462	6252640	2640	5	2004	0	20	626255	6094455	13K14	86	.1	.2	1.7	958	9.6	18	.2	9	.5	25	21	26	16.18	6.47	77
6222463	6252641	2641	5	2004	0	20	624575	6094804	13K14	58	.1	.2	1.9	700	14.3	33	.2	9	.8	25	24	14	19.70	6.90	81
6222464	6252642	2642	5	2004	1	20	622983	6095924	13K14	38	.1	.2	4.9	632	24.2	41	.2	10	.9	25	42	9	15.89	6.66	68
6222465	6252643	2643	5	2004	2	20	622983	6095924	13K14	42	.1	.2	5.5	706	25.3	49	.2	12	.8	25	46	10	16.15	6.91	71
6222466	6252644	2644	5	2004	0	20	623872	6092915	13K14	112	.1	.2	5.4	1546	13.2	24	.2	10	.9	25	50	32	13.63	6.46	167
6222467	6252645	2645	5	2004	0	20	622695	6091530	13K14	81	.1	.2	2.8	856	5.4	25	.2	10	1.0	69	28	20	7.30	6.02	49
6222468	6252646	2646	5	2004	0	20	620986	6090414	13K14	396	1.6	.2	2.5	17832	2.4	162	.2	13	1.7	25	71	149	27.10	7.16	31
6222469	6252647	2647	5	2004	0	20	619703	6090121	13K14	68	.1	.2	3.0	701	6.8	19	.2	10	.8	25	42	17	30.90	7.09	30
6222471	6252648	2648	5	2004	0	20	618150	6089707	13K14	95	.1	.2	6.0	1212	3.5	66	.2	15	1.0	25	90	21	22.50	6.97	82
6222472	6252649	2649	5	2004	0	20	603980	6072378	13K14	307	.1	.2	2.1	3307	.1	101	.2	14	1.4	178	79	52	19.72	6.95	42
6222473	6252650	2650	5	2004	0	20	601301	6074711	13K14	88	.1	.2	1.9	922	.1	49	.2	12	1.2	25	78	16	19.75	7.02	19
6222474	6252651	2651	5	2004	0	20	613039	6083297	13K14	34	.1	.2	.2	324	41.8	42	.2	5	.5	25	37	4	21.70	6.87	135
6222475	6252652	2652	5	2004	0	20	614530	6083191	13K14	45	.1	.2	2.4	445	57.2	15	.2	4	.5	82	30	9	23.70	6.83	42
6222476	6252653	2653	5	2004	0	20	614736	6084388	13K14	168	2.8	.2	2.7	1831	20.9	47	.2	11	1.0	94	60	35	29.60	7.11	45
6222477	6252654	2654	5	2004	0	20	613490	6085880	13K14	131	.1	.2	3.0	1349	7.0	57	.2	11	1.0	80	68	23	20.30	6.81	64
6222478	6252655	2655	5	2004	0	20	613279	6087498	13K14	52	.1	.2	2.2	432	7.8	55	.2	8	.5	116	77	9	17.35	6.88	66
6222479	6252656	2656	5	2004	0	20	615386	6087234	13K14	148	.1	.2	7.1	1724	14.3	73	.2	28	2.6	119	120	40	16.79	6.85	61
6222481	6252657	2657	5	2004	0	20	616235	6089502	13K14	46	.1	.2	1.8	537	.1	16	.2	6	.5	61	29	8	27.80	7.00	60
6222482	6252658	2658	5	2004	0	20	613497	6091444	13K14	80	.1	.2	3.2	950	.1	40	.2	11	.7	25	62	17	25.30	7.07	52
6222483	6252659	2659	5	2004	0	20	616218	6092643	13K14	106	2.5	.2	4.4	1105	3.0	36	.2	11	.8	76	61	27	34.30	7.16	70
6222484	6252660	2660	5	2004	0	20	615248	6094192	13K14	60	.1	.2	1.3	570	.1	36	.2	6	.5	25	29	12	32.10	4.45	96
6222485	6252661	2661	5	2004	0	20	615334	6095432	13K14	70	.5	.2	1.4	771	.1	25	.2	5	.5	25	25	15	22.90	6.80	76
6222486	6252662	2662	5	2004	0	20	617160	6094799	13K14	64	.1	.2	7.4	542	4.2	47	.2	19	1.5	152	68	12	19.80	6.85	46
6222487	6252663	2663	5	2004	1	20	617345	6093269	13K14	135	.1	.2	11.0	1141	5.3	49	.2	19	1.4	25	41	24	23.80	6.93	62
6222488	6252664	2664	5	2004	2	20	617345	6093269	13K14	436	.1	.2	5.0	3602	3.0	71	.2	15	1.4	108	50	78	23.70	6.73	46
6222489	6252665	2665	5	2004	0	20	618472	6093882	13K14	27	.1	.2	1.1	176	.1	18	.2	3	.3	25	24	4	14.22	6.37	64
6222491	6252666	2666	5	2004	0	20	618950	6092180	13K14	43	.1	.2	6.5	439	.1	17	.2	11	.5	25	24	8	23.80	6.87	65

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Sr2	Ta1	Tb1	Th1	Ti2	U1	V2	W1	Y2	Yb1	Zn1	Zn2	Zr2	nductivity	pH_w	Alw2
6222492	6252667	2667	5	2004	0	20	619600	6088563	13K14	70	.1	.2	3.7	776	5.1	41	1.0	9	1.2	66	47	14	20.30	6.93	42
6222493	6252668	2668	5	2004	0	20	617825	6087263	13K14	144	.1	.2	3.3	1692	16.5	30	.2	12	1.6	25	50	38	20.00	6.95	66
6222494	6252669	2669	5	2004	0	20	619020	6086526	13K14	40	.1	.2	3.2	438	6.1	17	.2	8	.9	25	43	8	27.40	7.07	57
6222495	6252670	2670	5	2004	0	20	618410	6085023	13K14	69	.1	.2	7.1	850	19.8	54	.2	20	2.0	25	52	16	23.00	6.98	65
6222496	6252671	2671	5	2004	0	20	616514	6083548	13K14	450	.1	.2	1.3	4468	4.7	54	.2	9	1.1	25	53	50	34.50	7.13	36
6222497	6252672	2672	5	2004	0	20	618033	6081425	13K14	43	.1	.5	1.7	528	4.8	54	.2	12	1.1	73	72	9	16.18	6.74	30
6222498	6252673	2673	5	2004	0	20	619637	6081600	13K14	103	.1	.2	.9	1420	16.5	30	.2	10	1.0	75	44	33	23.00	6.89	23
6222499	6252674	2674	5	2004	0	20	620647	6082794	13K14	119	.1	.2	1.7	1723	10.2	70	.2	11	1.2	104	87	34	14.71	6.82	34
6222501	6252675	2675	5	2004	0	20	621500	6084503	13K14	32	.1	.2	1.0	331	11.0	21	.2	7	.8	25	58	7	19.54	6.71	111
6222502	6252676	2676	5	2004	0	20	622741	6082033	13K14	39	.1	.2	1.5	625	2.8	67	.2	12	1.6	110	83	13	10.15	6.52	16
6222503	6252677	2677	5	2004	0	20	624759	6081379	13K14	94	.1	.2	2.1	1255	3.6	61	.2	11	1.1	84	53	25	11.00	6.44	65
6222504	6252678	2678	5	2004	0	20	626419	6080798	13K14	89	.1	.7	3.3	1323	16.5	73	.2	16	1.4	74	54	19	9.58	6.37	49
6222505	6252679	2679	5	2004	0	20	624959	6083635	13K14	42	.1	.2	1.2	549	2.4	53	.2	8	.6	25	31	9	7.65	6.22	44
6222506	6252680	2680	5	2004	0	20	626738	6083579	13K14	125	.1	.2	2.0	2031	7.3	82	.2	11	1.0	25	66	36	10.02	6.44	37
6222507	6252681	2681	5	2004	0	20	627222	6085096	13K14	74	.2	.2	2.1	1154	9.4	70	.2	13	1.0	25	52	20	9.89	6.39	54
6222508	6252682	2682	5	2004	0	20	625513	6085380	13K14	30	.1	.2	.8	354	3.9	31	.2	4	.4	25	24	7	14.28	6.53	39
6222509	6252683	2683	5	2004	0	20	624413	6087514	13K14	85	.1	.2	2.8	1278	10.1	76	.2	16	1.4	141	116	24	16.02	6.74	56
6222511	6252684	2684	5	2004	1	20	622752	6087510	13K14	25	.1	.2	1.6	259	39.6	21	.2	7	.6	25	26	5	24.10	6.99	45
6222512	6252685	2685	5	2004	2	20	622752	6087510	13K14	27	.1	.2	1.4	243	47.3	17	.2	8	.7	25	25	5	24.10	6.99	46
6222513	6252686	2686	5	2004	0	20	604511	6044449	13K11	47	.1	.2	3.1	702	1.5	27	.2	20	1.7	25	25	23	22.70	6.88	130
6222514	6252687	2687	5	2004	0	20	605208	6045507	13K11	53	.1	.2	3.0	428	3.2	25	.2	24	2.9	25	36	20	42.50	7.23	79
6222515	6252688	2688	5	2004	0	20	606174	6044903	13K11	147	.1	.2	6.2	2409	5.7	77	.2	29	4.0	25	64	61	21.40	6.92	106
6222516	6252689	2689	5	2004	0	20	606740	6045747	13K11	199	.1	.2	7.2	3498	4.4	152	.2	22	3.3	25	77	84	28.70	7.07	57
6222517	6252690	2690	5	2004	0	20	610332	6043879	13K11	55	.1	1.2	2.6	1117	3.7	43	.2	29	3.0	25	25	34	48.30	7.34	47
6222518	6252691	2691	5	2004	0	20	611187	6044298	13K11	232	.1	.6	4.8	5004	3.5	80	.2	18	2.6	25	64	126	51.40	7.48	16
6222521	6252693	2693	5	2004	0	20	614148	6043712	13K11	136	N.A.	N.A.	N.A.	2015	N.A.	109	N.A.	62	N.A.	N.A.	202	72	34.80	7.23	59
6222522	6252694	2694	5	2004	0	20	615929	6044100	13K11	77	.1	.2	5.2	1798	35.2	68	.2	29	3.5	222	139	59	35.80	7.29	26
6222523	6252695	2695	5	2004	0	20	618562	6044372	13K11	246	.1	.5	6.4	4945	24.2	105	.2	25	2.9	25	76	154	66.00	7.61	10
6222524	6252696	2696	5	2004	0	20	618721	6045413	13K11	44	.1	.2	3.0	663	51.7	16	.2	14	1.4	25	47	23	43.20	7.27	46
6222525	6252697	2697	5	2004	0	20	622906	6044977	13K11	167	.1	.2	6.6	3332	41.8	76	.2	30	3.8	161	157	102	51.10	7.57	23
6222526	6252698	2698	5	2004	0	20	624840	6044333	13K11	54	.1	.2	2.9	765	14.3	19	.2	13	1.7	25	39	21	17.39	5.47	58
6222527	6252699	2699	5	2004	0	20	624836	6046247	13K11	304	2.5	.2	6.4	5400	5.2	86	.2	19	2.6	25	112	157	23.30	6.98	59
6222528	6252700	2700	5	2004	0	20	623327	6046848	13K11	182	.1	1.0	5.2	2949	5.7	51	.2	21	2.4	25	111	88	17.19	6.77	80
6222529	6252701	2701	5	2004	0	20	625730	6048234	13K11	61	.1	2.0	6.2	1203	89.1	80	.2	47	5.3	346	248	38	22.30	6.96	56
6222531	6252702	2702	5	2004	0	20	623984	6048536	13K11	139	.1	1.0	5.3	2602	81.4	65	.2	24	2.8	25	59	69	18.10	6.90	54
6222532	6252703	2703	5	2004	0	20	620837	6048606	13K11	56	.1	.2	2.3	1010	15.4	28	.2	8	1.0	25	25	27	52.10	7.39	30
6222533	6252704	2704	5	2004	0	20	620220	6046712	13K11	41	.1	.9	3.6	521	36.3	24	.2	17	1.8	25	44	19	33.10	7.11	83
6222534	6252705	2705	5	2004	1	20	618482	6047458	13K11	50	.1	.2	3.7	809	58.3	67	.2	23	2.7	98	75	26	28.30	7.11	34
6222535	6252706	2706	5	2004	2	20	618482	6047458	13K11	37	.1	.2	3.2	530	49.5	49	.2	18	1.8	25	59	18	28.60	7.13	33
6222536	6252707	2707	5	2004	0	20	615784	6046708	13K11	69	1.4	.2	5.0	1181	49.5	69	.2	20	2.1	135	65	31	28.90	7.11	70
6222537	6252708	2708	5	2004	0	20	613725	6046145	13K11	215	.1	.8	4.0	3715	14.3	62	.2	17	2.2	25	64	98	37.10	7.21	15
6222538	6252709	2709	5	2004	0	20	610999	6048567	13K11	168	.1	.2	6.5	2806	10.9	113	.2	17	2.1	162	50	66	41.40	7.36	10
6222539	6252710	2710	5	2004	0	20	612077	6050722	13K11	84	.1	1.3	8.2	2173	14.3	78	.2	40	4.8	25	117	48	16.28	6.95	54
6222541	6252711	2711	5	2004	0	20	614595	6049079	13K11	242	.1	.2	7.4	4603	4.2	98	.2	20	3.0	25	69	108	9.06	6.58	7
6222542	6252712	2712	5	2004	0	20	615893	6050426	13K11	148	.1	.2	3.8	3067	7.5	82	.2	13	1.8	25	65	70	26.30	6.90	62
6222543	6252713	2713	5	2004	0	20	618347	6051927	13K11	36	.1	.2	1.6	411	7.7	15	.2	9	1.0	25	24	11	18.42	6.71	55
6222544	6252714	2714	5	2004	0	20	620255	6051999	13K11	41	.1	.2	2.4	543	4.5	19	.2	10	1.1	25	24	14	22.50	6.60	66
6222545	6252715	2715	5	2004	0	20	621245	6053026	13K11	50	.1	.2	1.5	756	19.8	37	.2	10	1.0	25	34	18	17.44	6.38	42

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Sr2	Ta1	Tb1	Th1	Ti2	U1	V2	W1	Y2	Yb1	Zn1	Zn2	Zr2	nductivity	pH_w	Alw2
6222546	6252716	2716	5	2004	0	20	622371	6050606	13K11	48	.1	.2	1.4	803	7.0	59	.2	6	.8	25	36	21	30.30	7.07	5
6222547	6252717	2717	5	2004	0	20	625892	6051900	13K11	213	.1	1.3	6.9	3971	33.0	53	.2	23	3.5	25	59	99	24.70	7.00	73
6222548	6252718	2718	5	2004	0	20	627954	6057784	13K11	61	.1	.2	4.1	1100	12.1	34	.2	12	1.4	155	80	26	14.35	6.60	89
6222549	6252719	2719	5	2004	0	20	625948	6057629	13K11	64	.1	.2	3.1	1139	15.4	36	.2	11	1.2	25	59	26	13.81	6.63	51
6222551	6252720	2720	5	2004	0	20	626516	6058440	13K11	41	.1	.2	2.1	700	10.3	61	.2	14	1.4	25	102	13	14.50	6.60	38
6222552	6252721	2721	5	2004	0	20	626255	6059306	13K11	47	.1	.6	2.8	1032	11.0	61	.2	18	2.0	161	108	18	12.14	6.53	64
6222553	6252722	2722	5	2004	0	20	628588	6060943	13K11	80	.1	.2	3.3	1416	11.0	44	.2	12	1.4	148	69	35	18.69	6.73	71
6222554	6252723	2723	5	2004	0	20	625557	6060521	13K11	44	.1	.7	4.2	745	29.7	58	.2	15	1.6	170	76	16	15.01	6.75	41
6222555	6252724	2724	5	2004	0	20	626958	6063012	13K11	75	.1	1.0	3.5	1295	13.2	47	.2	16	1.8	154	90	27	13.28	6.58	46
6222556	6252725	2725	5	2004	0	20	628611	6064379	13K11	41	.1	.2	2.0	555	36.3	35	.2	10	1.2	121	99	12	12.57	6.55	77
6222557	6252726	2726	5	2004	1	20	628693	6067481	13K11	108	.1	.2	5.8	1765	19.8	39	.2	20	2.3	25	102	46	14.34	6.66	40
6222558	6252727	2727	5	2004	2	20	628693	6067481	13K11	96	.1	.9	5.6	1608	19.8	41	.2	22	2.3	100	105	43	14.38	6.71	36
6222559	6252728	2728	5	2004	0	20	626396	6064885	13K11	34	1.7	.2	2.6	572	6.5	35	.2	14	1.4	25	56	10	13.57	6.62	50
6222561	6252729	2729	5	2004	0	20	624623	6063926	13K11	123	.1	.2	2.1	1882	5.2	26	.2	10	1.3	25	31	52	10.77	6.35	91
6222562	6252730	2730	5	2004	0	20	624030	6067389	13K11	26	.1	.2	2.0	320	10.3	10	.2	10	.8	25	59	6	13.95	6.23	102
6222563	6252731	2731	5	2004	0	20	620005	6067679	13K11	115	.1	.2	5.6	991	46.2	63	.2	30	3.4	25	74	26	19.38	6.85	58
6222564	6252732	2732	5	2004	0	20	618060	6066551	13K11	35	.1	1.6	3.8	727	13.2	62	.2	27	2.7	25	78	13	13.49	6.71	45
6222565	6252733	2733	5	2004	0	20	616894	6066551	13K11	105	.1	1.4	8.4	2064	38.5	116	.2	33	3.9	25	121	40	18.34	6.86	52
6222566	6252734	2734	5	2004	0	20	614178	6066473	13K11	53	.1	.2	2.9	971	16.5	57	.2	17	1.9	25	56	13	14.52	6.54	55
6222567	6252735	2735	5	2004	0	20	612705	6066764	13K11	200	.1	1.1	2.7	4016	6.2	71	.2	18	2.0	25	77	59	19.34	6.79	28
6222568	6252736	2736	5	2004	0	20	608774	6067763	13K11	24	.1	2.6	5.2	243	4.1	23	.2	55	6.7	25	81	8	20.50	6.85	30
6222569	6252737	2737	5	2004	0	20	612880	6063249	13K11	44	.1	.2	2.1	894	3.3	51	.2	11	1.1	25	25	16	9.17	6.06	69
6222571	6252738	2738	5	2004	0	20	615325	6064084	13K11	40	.1	.2	2.7	642	.1	16	.2	10	.9	25	26	13	8.96	6.14	52
6222572	6252739	2739	5	2004	0	20	620228	6065970	13K11	39	.1	1.2	5.7	882	25.3	67	.2	34	3.6	25	129	21	22.10	6.88	42
6222573	6252740	2740	5	2004	1	20	621671	6065092	13K11	54	.1	.2	4.4	971	23.1	42	.2	24	2.4	25	72	25	26.10	6.99	38
6222574	6252741	2741	5	2004	2	20	621671	6065092	13K11	65	.1	1.1	4.4	1209	25.3	42	.2	28	2.9	25	76	32	26.40	6.98	41
6222575	6252742	2742	5	2004	0	20	624044	6061915	13K11	47	.1	1.2	3.3	706	10.5	34	.2	17	1.8	87	47	12	13.15	6.40	67
6222576	6252743	2743	5	2004	0	20	622542	6062121	13K11	74	.1	1.1	3.3	1220	16.5	37	.2	17	1.8	25	78	31	17.79	6.92	24
6222577	6252744	2744	5	2004	0	20	620607	6063636	13K11	113	.1	.2	4.8	2340	12.1	65	.2	20	2.3	185	70	60	18.85	6.89	31
6222578	6252745	2745	5	2004	0	20	618227	6062240	13K11	63	.1	.2	3.6	1089	7.6	61	.2	21	2.3	25	65	34	10.63	6.45	35
6222579	6252746	2746	5	2004	0	20	616450	6062354	13K11	55	.1	1.1	4.1	1155	5.2	42	.2	14	1.7	25	31	24	10.30	6.30	22
6222581	6252747	2747	5	2004	0	20	614200	6061750	13K11	43	.1	.2	4.3	908	2.0	62	.2	19	2.2	25	63	20	8.39	6.06	31
6222582	6252748	2748	5	2004	0	20	612183	6061598	13K11	265	2.4	1.5	7.0	5974	13.2	99	.2	35	4.4	25	116	129	11.78	6.06	51
6222583	6252749	2749	5	2004	0	20	613424	6060199	13K11	77	.1	3.9	9.1	1563	18.7	117	.2	57	7.1	25	90	33	15.06	6.78	57
6222584	6252750	2750	5	2004	0	20	616406	6061037	13K11	165	.1	1.8	7.7	2307	6.8	53	.2	40	4.5	140	82	61	13.56	6.55	38
6222585	6252751	2751	5	2004	0	20	618120	6059923	13K11	307	.1	1.1	8.4	4188	41.8	81	.2	31	3.9	25	80	134	10.01	6.38	54
6222586	6252752	2752	5	2004	0	20	620150	6062578	13K11	44	.1	2.9	9.1	671	18.7	39	.2	51	6.1	25	85	22	14.34	6.72	54
6222587	6252753	2753	5	2004	0	20	620880	6060316	13K11	55	.1	1.0	3.4	249	12.1	15	.2	16	1.5	25	38	8	19.10	6.81	92
6222588	6252754	2754	5	2004	0	20	622165	6060390	13K11	140	.1	.2	4.1	1881	15.4	69	.2	21	2.2	211	92	50	14.49	6.75	35
6222589	6252755	2755	5	2004	0	20	622369	6057957	13K11	55	.1	.2	2.2	1012	23.1	57	.2	15	1.7	25	77	24	12.98	6.53	70
6222591	6252756	2756	5	2004	0	20	621246	6057199	13K11	30	.1	.2	1.5	451	4.7	14	.2	7	.6	25	31	10	16.74	6.51	109
6222592	6252757	2757	5	2004	0	20	618003	6058085	13K11	47	.1	3.4	15.4	569	20.9	45	.2	73	7.4	148	92	31	10.13	6.36	55
6222593	6252758	2758	5	2004	1	20	616068	6057000	13K11	28	.1	.2	2.5	475	4.0	41	.2	16	1.9	25	60	13	12.98	5.72	29
6222594	6252759	2759	5	2004	2	20	616068	6057000	13K11	28	.1	.2	3.2	481	6.5	41	.2	16	2.0	25	57	15	11.76	6.41	36
6222595	6252760	2760	5	2004	0	20	613943	6057543	13K11	47	.1	1.2	4.0	817	9.9	63	.2	25	2.9	25	58	19	12.99	6.47	32
6222596	6252761	2761	5	2004	0	20	612092	6059807	13K11	52	.1	1.0	3.8	993	12.1	72	.2	33	3.6	25	84	27	18.22	6.93	5
6222597	6252762	2762	5	2004	0	20	610350	6057184	13K11	288	.1	1.4	7.7	4543	24.2	109	.2	34	4.0	25	97	127	16.12	6.68	38
6222598	6252763	2763	5	2004	0	20	608975	6059330	13K11	195	.1	1.2	3.4	5491	3.9	121	.2	21	2.8	25	117	72	16.47	6.77	39

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Sr2	Ta1	Tb1	Th1	Ti2	U1	V2	W1	Y2	Yb1	Zn1	Zn2	Zr2	nductivity	pH_w	Alw2
6222599	6252764	2764	5	2004	0	20	606952	6059273	13K11	242	.1	.2	3.4	3785	2.0	100	.2	15	2.1	186	114	56	13.77	6.74	22
6222601	6252765	2765	5	2004	0	20	604659	6058265	13K11	251	.1	1.8	7.0	3572	11.0	102	.2	42	4.6	25	120	85	16.07	6.68	72
6222602	6252766	2766	5	2004	0	20	601642	6058654	13K11	172	.1	.2	2.8	2526	.1	74	.2	16	2.0	25	84	58	17.61	6.83	52
6222603	6252767	2767	5	2004	0	20	600194	6059955	13K11	124	.1	.2	2.7	1858	.1	58	.2	14	1.6	25	78	35	15.34	6.79	28
6222604	6252768	2768	5	2004	0	20	599941	6061996	13K11	65	.1	.2	1.2	722	.1	32	.2	7	1.0	25	38	15	11.35	6.65	19
6222605	6252769	2769	5	2004	0	20	599708	6063486	13K11	105	.1	.2	.2	934	.1	35	.2	7	1.1	25	50	19	20.60	6.89	30
6222606	6252770	2770	5	2004	0	20	607290	6050972	13K11	43	.1	1.5	2.7	441	78.1	38	.2	22	2.1	25	46	13	31.70	6.94	62
6222607	6252771	2771	5	2004	0	20	607421	6052996	13K11	49	.1	.2	2.6	609	12.1	22	.2	23	2.1	64	37	15	17.08	6.60	84
6222608	6252772	2772	5	2004	0	20	604696	6052880	13K11	68	.1	2.2	3.8	873	28.6	29	.2	49	5.7	104	79	22	15.83	6.61	43
6222609	6252773	2773	5	2004	0	20	604702	6051715	13K11	28	.1	.2	1.6	349	2.6	18	.2	16	2.0	25	22	9	12.78	6.44	62
6222611	6252774	2774	5	2004	0	20	603247	6050149	13K11	29	.1	1.7	2.3	338	16.5	12	.2	38	3.8	25	27	11	29.00	6.89	46
6222612	6252775	2775	5	2004	0	20	602740	6051780	13K11	346	.1	.2	3.2	4789	3.2	67	.2	13	2.0	25	62	104	17.94	6.80	27
6222613	6252776	2776	5	2004	0	20	601214	6052663	13K11	263	.1	1.1	4.0	4203	5.9	65	.2	18	2.7	86	85	107	19.01	6.81	27
6222614	6252777	2777	5	2004	0	20	601128	6050628	13K11	48	.1	.2	3.8	539	18.7	14	.2	30	3.8	134	35	16	18.73	6.70	66
6222615	6252778	2778	5	2004	0	20	596961	6049839	13K11	54	.1	.2	1.6	853	3.6	28	.2	11	1.3	25	36	21	12.64	6.64	55
6222616	6252779	2779	5	2004	0	20	598805	6052240	13K11	296	.1	.7	3.3	4151	4.1	66	.2	15	2.1	77	85	108	18.55	6.81	22
6222617	6252780	2780	5	2004	1	20	598519	6055273	13K11	130	.1	.2	3.2	1823	4.2	58	.2	17	2.2	108	67	42	16.04	6.72	48
6222618	6252781	2781	5	2004	2	20	598519	6055273	13K11	122	.1	.2	2.7	1739	1.5	58	.2	17	2.0	25	62	39	15.26	6.87	49
6222619	6252782	2782	5	2004	0	20	599677	6055357	13K11	186	.1	.2	6.0	2517	3.4	67	.2	25	3.3	113	90	68	14.70	6.77	42
6222621	6252783	2783	5	2004	0	20	601932	6055145	13K11	201	.1	.2	4.3	4891	1.8	89	4.0	22	3.3	139	101	84	16.63	6.92	35
6222622	6252784	2784	5	2004	0	20	603275	6054939	13K11	57	.1	.2	4.3	782	5.9	59	.2	31	4.1	120	108	19	14.92	6.81	47
6222623	6252785	2785	5	2004	0	20	606018	6054073	13K11	75	.1	2.0	4.1	966	18.7	19	.2	43	4.7	108	66	24	17.35	6.90	65
6222624	6252786	2786	5	2004	0	20	607538	6054188	13K11	40	.1	1.5	2.8	588	13.2	35	.2	28	3.2	111	70	13	15.01	6.59	108
6222625	6252787	2787	5	2004	0	20	607501	6057440	13K11	111	.1	2.3	6.7	2343	20.9	210	.2	50	6.2	160	132	54	17.50	6.75	91
6222626	6252788	2788	5	2004	0	20	604055	6056924	13K11	81	.1	1.1	5.0	1690	11.0	48	.2	25	3.3	25	62	39	15.96	6.38	63
6222627	6252789	2789	5	2004	0	20	602857	6056136	13K11	56	.1	1.8	3.9	872	.1	49	3.0	21	3.0	116	84	21	13.34	6.53	54
6222628	6252790	2790	5	2004	0	20	600388	6056698	13K11	48	.1	.2	2.5	649	2.4	55	.2	17	2.6	155	71	12	15.09	6.79	47
6222629	6252791	2791	5	2004	0	20	598414	6057686	13K11	40	.1	.2	2.7	504	2.2	40	.2	14	2.1	111	59	12	14.54	6.68	38
6222631	6252792	2792	5	2004	0	20	597550	6059064	13K11	147	.1	.9	2.6	1641	.1	53	.2	17	2.3	83	60	39	15.96	6.76	27
6222632	6252793	2793	5	2004	0	20	598002	6060674	13K11	104	.1	.2	2.0	1049	.1	55	.2	10	1.2	94	73	22	10.42	6.63	27

* N.A. indicates not analyzed.

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Asw2x	Baw2	Bew2	Caw1	Cow2	Crw2	Cuw2	Few1	Kw1	Liw2	Mgw1	Mnw1	Mow2	Naw1	Niw2	Pbw2
6222331	6252522	2522	5	2004	0	20	609780	6051657	13K11	1	12	.1	1.49	.5	.2	5.2	26	.26	.2	.32	1	.5	1.31	.5	.2
6222332	6252523	2523	5	2004	0	20	610407	6053269	13K11	1	11	.1	1.86	.5	.2	.6	31	.08	.2	.32	1	.5	.81	.5	.2
6222333	6252524	2524	5	2004	0	20	611285	6055035	13K11	1	8	.1	1.29	.5	.2	.2	17	.05	.2	.31	1	.5	.68	.5	.2
6222334	6252525	2525	5	2004	0	20	612583	6053506	13K11	1	10	.1	1.93	.5	.2	1.7	11	.13	.1	.41	1	.5	.90	1.7	.2
6222335	6252526	2526	5	2004	0	20	613685	6054804	13K11	1	8	.1	1.70	.5	.2	5.2	5	.08	.2	.34	1	.5	.78	.5	.2
6222336	6252527	2527	5	2004	0	20	614399	6053534	13K11	1	10	.1	3.36	.5	.2	2.9	40	.11	.2	.59	1	.5	1.11	1.1	.2
6222337	6252528	2528	5	2004	0	20	616222	6055146	13K11	1	9	.1	2.10	.5	.2	.2	34	.13	.1	.37	1	.5	.84	1.2	.2
6222338	6252529	2529	5	2004	0	20	616906	6054197	13K11	1	5	.1	3.48	.5	.2	.2	5	.13	.2	.46	1	.5	.86	1.1	.2
6222339	6252530	2530	5	2004	0	20	618724	6055614	13K11	1	4	.1	2.47	.5	.2	.2	5	.17	.2	.43	1	.5	.86	.5	.2
6222341	6252531	2531	5	2004	0	20	619472	6053792	13K11	1	4	.1	1.81	.5	.2	.2	21	.09	.1	.35	1	.5	.91	.5	.2
6222342	6252532	2532	5	2004	0	20	621075	6055384	13K11	1	4	.1	1.93	.5	.2	.2	5	.08	.3	.30	1	.5	.77	.5	.2
6222343	6252533	2533	5	2004	0	20	622744	6054186	13K11	1	4	.1	2.92	.5	.2	.2	19	.11	.1	.48	1	.5	1.01	.5	.2
6222344	6252534	2534	5	2004	0	20	623647	6055815	13K11	1	2	.1	1.34	.5	.2	.6	13	.05	.1	.25	1	.5	.73	1.1	.2
6222345	6252535	2535	5	2004	0	20	625561	6054397	13K11	1	2	.1	1.96	.5	.2	1.5	158	.02	.1	.43	2	.5	.92	2.3	.2
6222346	6252536	2536	5	2004	0	20	627992	6055959	13K11	1	7	.1	5.69	.5	.2	3.6	39	.08	.1	.85	1	.5	1.40	1.3	.2
6222347	6252537	2537	5	2004	0	20	628742	6053353	13K11	1	7	.1	2.94	.5	.2	1.5	15	.09	.1	.42	1	.5	.95	1.2	.2
6222348	6252538	2538	5	2004	0	20	628391	6051381	13K11	1	5	.1	2.26	.5	.2	2.9	27	.06	.1	.41	1	.5	1.17	3.7	.2
6222349	6252539	2539	5	2004	0	20	627349	6050544	13K11	1	8	.1	3.72	.5	.2	1.4	22	.10	.2	.48	7	.5	.87	.5	.2
6222351	6252540	2540	5	2004	0	20	628615	6048752	13K11	1	5	.1	1.94	.5	.2	.2	5	.08	.1	.38	1	.5	.81	.5	.2
6222352	6252541	2541	5	2004	1	20	627511	6048667	13K11	1	6	.1	1.98	.5	.2	.2	20	.03	.1	.34	4	.5	.76	3.1	.2
6222353	6252542	2542	5	2004	2	20	627511	6048667	13K11	1	6	.1	1.97	.5	.2	1.1	23	.05	.1	.35	4	.5	.79	.5	.2
6222354	6252543	2543	5	2004	0	20	626749	6046081	13K11	1	5	.1	2.21	.5	.2	.2	5	.05	.1	.30	1	.5	.68	.5	.2
6222355	6252544	2544	5	2004	0	20	627241	6045031	13K11	1	5	.1	2.63	.5	.2	.2	13	.02	.1	.28	1	.5	.64	.5	.2
6222356	6252545	2545	5	2004	0	20	629355	6043978	13K11	1	7	.1	2.69	.5	.2	1.2	5	.10	.1	.36	2	.5	.73	1.8	.2
6222357	6252546	2546	5	2004	0	20	628020	6043042	13K11	1	7	.1	2.66	.5	.2	.2	16	.07	.1	.33	2	.5	.77	1.3	.2
6222358	6252547	2547	5	2004	0	20	625656	6043407	13K11	1	8	.1	2.77	.5	.2	3.0	15	.06	.1	.34	1	.5	.73	.5	.2
6222359	6252548	2548	5	2004	0	20	623700	6041361	13K11	1	22	.1	8.58	.5	.2	2.0	14	.13	.2	.89	1	.5	1.15	1.3	.2
6222361	6252549	2549	5	2004	0	20	621757	6043047	13K11	1	14	.1	6.62	.5	.2	1.5	5	.08	.1	.53	1	.5	.89	1.3	.2
6222362	6252550	2550	5	2004	0	20	621136	6040818	13K11	1	19	.1	7.45	.5	.2	.2	11	.09	.2	.89	1	.5	.96	2.7	.2
6222363	6252551	2551	5	2004	0	20	619500	6041303	13K11	1	22	.1	6.84	.5	.5	1.8	5	.05	.1	1.04	1	.5	.76	1.8	.2
6222364	6252552	2552	5	2004	0	20	617312	6041356	13K11	1	18	.1	7.30	.5	.2	.2	5	.10	.1	1.01	1	.5	.79	1.6	.2
6222365	6252553	2553	5	2004	0	20	614130	6042138	13K11	1	14	.1	8.55	.5	.2	.2	5	.07	.1	.53	1	.5	.74	1.8	.2
6222366	6252554	2554	5	2004	0	20	612187	6041041	13K11	1	60	.1	14.04	.5	.2	.2	5	.10	.1	1.64	1	.5	.80	3.0	.2
6222367	6252555	2555	5	2004	0	20	611137	6077132	13K14	1	4	.1	3.42	.5	.2	.2	21	.20	.1	.59	1	1.5	1.33	1.8	.2
6222368	6252556	2556	5	2004	0	20	612087	6078632	13K14	1	4	.1	3.44	.5	.2	2.1	5	.27	.1	.72	1	.5	1.23	.5	.2
6222369	6252557	2557	5	2004	0	20	613437	6077132	13K14	1	2	.1	1.35	.5	.2	2.5	13	.06	.1	.24	1	.5	.81	.5	.2
6222371	6252558	2558	5	2004	0	20	614687	6077822	13K14	1	1	.1	.98	.5	.2	1.2	5	.04	.1	.15	1	.5	.69	.5	.2
6222372	6252559	2559	5	2004	0	20	616137	6076632	13K14	1	2	.1	1.74	.5	.2	4.4	15	.03	.1	.24	1	.5	.85	3.1	.2
6222373	6252560	2560	5	2004	0	20	617838	6077357	13K14	1	2	.1	1.34	.5	.2	2.1	12	.04	.1	.23	1	.5	.74	.5	.2
6222374	6252561	2561	5	2004	0	20	619637	6076782	13K14	1	1	.1	.92	.5	.2	1.6	5	.01	.1	.16	1	.5	.67	.5	.2
6222375	6252562	2562	5	2004	0	20	621837	6076750	13K14	1	2	.1	1.76	.5	.2	.2	20	.10	.1	.33	1	.5	1.02	2.2	.2
6222376	6252563	2563	5	2004	1	20	624637	6075932	13K14	1	2	.1	1.15	.5	.2	1.1	13	.03	.1	.23	1	.5	.80	1.4	.2
6222377	6252564	2564	5	2004	2	20	624742	6076095	13K14	1	2	.1	1.19	.5	.2	2.2	22	.06	.1	.24	1	1.1	.81	.5	.2
6222378	6252565	2565	5	2004	0	20	624352	6075197	13K14	1	2	.1	1.19	.5	.2	3.5	5	.05	.1	.24	1	.5	.76	1.4	.2
6222379	6252566	2566	5	2004	0	20	623175	6073708	13K14	1	2	.1	1.06	.5	.6	4.8	34	.08	.1	.26	2	.5	.97	.5	.2
6222381	6252567	2567	5	2004	0	20	619412	6074453	13K14	1	1	.1	1.17	.5	.2	4.6	17	.03	.1	.21	1	.5	.68	.5	.2
6222382	6252568	2568	5	2004	0	20	617151	6074156	13K14	1	3	.1	2.74	.5	.2	3.4	15	.07	.1	.41	1	.5	1.14	1.9	.2
6222383	6252569	2569	5	2004	0	20	616758	6075062	13K14	1	2	.1	2.81	.5	.2	3.5	35	.05	.1	.39	2	.5	1.05	1.8	.2

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Asw2x	Baw2	Bew2	Caw1	Cow2	Crw2	Cuw2	Few1	Kw1	Liw2	Mgw1	Mnw1	Mow2	Naw1	Niw2	Pbw2
6222384	6252570	2570	5	2004	0	20	614048	6073983	13K14	1	3	.1	2.90	.5	.2	2.6	40	.07	.1	.45	1	.5	1.30	1.2	.2
6222385	6252571	2571	5	2004	0	20	612119	6073734	13K14	1	2	.1	1.96	.5	.2	3.8	26	.05	.1	.35	1	.5	.93	1.1	.2
6222386	6252572	2572	5	2004	0	20	612579	6072225	13K14	1	2	.1	.57	.5	.2	4.6	13	.02	.1	.16	1	.5	.61	1.6	.2
6222387	6252573	2573	5	2004	0	20	611303	6071800	13K14	1	2	.1	1.69	.5	.2	4.3	70	.04	.1	.36	2	.5	.87	1.3	.2
6222388	6252574	2574	5	2004	0	20	608896	6069333	13K14	1	5	.1	4.98	.5	.2	3.4	27	.18	.2	1.27	1	.5	1.77	2.6	.2
6222389	6252575	2575	5	2004	0	20	611162	6070100	13K14	1	2	.1	1.21	.5	.2	4.3	22	.04	.1	.31	3	.5	.76	1.4	.2
6222391	6252576	2576	5	2004	0	20	613949	6069999	13K14	1	3	.1	1.80	.5	.2	3.8	11	.12	.1	.40	1	.5	1.08	2.4	.2
6222392	6252577	2577	5	2004	0	20	614910	6070433	13K14	1	2	.1	1.43	.5	.2	3.5	13	.09	.1	.29	1	.5	.91	2.4	.2
6222393	6252578	2578	5	2004	0	20	615809	6071792	13K14	1	2	.1	2.55	.5	.2	2.9	14	.21	.1	.49	1	.5	1.15	1.7	.2
6222394	6252579	2579	5	2004	0	20	617165	6072293	13K14	1	2	.1	3.89	.5	.2	2.1	14	.16	.1	.57	1	.5	1.19	1.7	.2
6222395	6252580	2580	5	2004	1	20	618326	6069151	13K14	1	1	.1	1.02	.5	.2	.2	47	.05	.1	.26	1	.5	.78	1.5	.2
6222396	6252581	2581	5	2004	2	20	618326	6069151	13K14	1	1	.1	1.03	.5	.2	1.5	44	.05	.1	.26	1	.5	.80	2.3	.2
6222397	6252582	2582	5	2004	0	20	619797	6069084	13K14	1	4	.2	2.82	.5	.2	1.9	19	.09	.4	.41	1	1.0	1.01	1.3	.2
6222398	6252583	2583	5	2004	0	20	622052	6070755	13K14	1	4	.1	3.97	.5	.2	1.9	18	.06	.3	.53	1	1.9	1.09	1.2	.2
6222399	6252584	2584	5	2004	0	20	622845	6069980	13K14	1	2	.1	1.08	.5	.2	1.1	13	.04	.1	.21	1	.5	.64	.5	.2
6222401	6252585	2585	5	2004	0	20	623769	6072387	13K14	1	3	.1	1.44	.5	.2	.2	36	.02	.1	.22	1	.5	.74	.5	.2
6222402	6252586	2586	5	2004	0	20	625189	6070027	13K14	1	2	.1	2.08	.5	.6	1.5	35	.06	.1	.34	1	.5	.91	1.4	.2
6222403	6252587	2587	5	2004	0	20	625926	6069631	13K14	1	2	.1	1.74	.5	.2	1.4	22	.05	.1	.30	1	.5	.87	.5	.2
6222404	6252588	2588	5	2004	0	20	628527	6071991	13K14	1	2	.1	1.09	.5	.2	1.1	26	.04	.1	.22	1	.5	.73	.5	.2
6222405	6252589	2589	5	2004	0	20	626571	6072519	13K14	1	2	.1	.98	.5	.2	1.9	29	.04	.1	.22	1	.5	.85	1.3	.2
6222406	6252590	2590	5	2004	0	20	626898	6074120	13K14	1	2	.1	1.25	.5	.2	.2	28	.07	.1	.25	1	.5	.75	1.1	.2
6222407	6252591	2591	5	2004	0	20	627083	6076265	13K14	1	1	.1	.58	.5	.2	.2	13	.03	.1	.16	1	.5	.67	1.9	.2
6222408	6252592	2592	5	2004	0	20	626569	6079167	13K14	1	1	.1	1.34	.5	.2	.2	23	.07	.1	.30	1	.5	1.01	.5	.2
6222409	6252593	2593	5	2004	0	20	624539	6078412	13K14	1	2	.1	2.44	.5	.6	.2	52	.08	.1	.44	2	.5	1.14	1.8	.2
6222411	6252594	2594	5	2004	0	20	622801	6078605	13K14	1	2	.1	1.40	.5	.2	.2	11	.02	.1	.24	1	.5	.77	1.1	.2
6222412	6252595	2595	5	2004	0	20	619596	6079053	13K14	1	1	.1	1.56	.5	.2	.2	19	.01	.1	.25	1	.5	.94	.5	.2
6222413	6252596	2596	5	2004	0	20	618582	6078574	13K14	1	2	.1	1.84	.5	.2	.2	5	.04	.1	.24	1	.5	.84	.5	.2
6222414	6252597	2597	5	2004	0	20	616232	6079699	13K14	1	1	.1	1.53	.5	.2	.2	20	.03	.1	.26	1	.5	.85	.5	.2
6222415	6252598	2598	5	2004	0	20	613190	6080125	13K14	1	2	.1	2.22	.5	.2	.2	12	.07	.1	.36	1	.5	.97	.5	.2
6222416	6252599	2599	5	2004	0	20	610480	6078879	13K14	1	2	.1	2.12	.5	.2	1.5	5	.18	.1	.36	1	.5	.95	.5	.2
6222417	6252600	2600	5	2004	1	20	609060	6078213	13K14	1	2	.1	2.54	.5	.2	.2	24	.22	.1	.44	1	.5	1.05	1.2	.2
6222418	6252601	2601	5	2004	2	20	609060	6078213	13K14	1	2	.1	2.57	.5	.2	.2	26	.21	.1	.43	1	.5	1.04	1.1	.2
6222419	6252602	2602	5	2004	0	20	608216	6079548	13K14	1	1	.1	1.37	.5	.2	.2	5	.39	.1	.40	1	.5	1.00	.5	.2
6222421	6252603	2603	5	2004	0	20	605594	6078908	13K14	1	2	.1	1.42	.5	.2	.2	5	.15	.1	.30	1	.5	.64	.5	.2
6222422	6252604	2604	5	2004	0	20	601186	6078377	13K14	1	1	.1	3.23	.5	.2	.2	5	.10	.1	.54	1	.5	1.42	4.5	.2
6222423	6252605	2605	5	2004	0	20	598799	6077798	13K14	1	1	.1	1.56	.5	.2	.2	14	.07	.1	.46	1	.5	.66	.5	.2
6222424	6252606	2606	5	2004	0	20	597994	6075483	13K14	1	1	.1	3.16	.5	.2	.8	29	.05	.1	.58	1	.5	.81	7.7	.2
6222425	6252607	2607	5	2004	0	20	598844	6074870	13K14	1	1	.1	1.70	.5	.2	.2	26	.07	.1	.52	1	.5	.53	.5	5.2
6222426	6252608	2608	5	2004	0	20	597308	6073099	13K14	1	1	.1	1.40	.5	.2	.2	13	.01	.1	.29	1	.5	.57	.5	.2
6222427	6252609	2609	5	2004	0	20	597973	6072109	13K14	1	1	.1	1.66	.5	.2	1.3	5	.01	.1	.28	1	.5	.68	.5	.2
6222428	6252610	2610	5	2004	0	20	599206	6070986	13K14	1	1	.1	1.40	.5	.2	.2	15	.01	.1	.26	1	.5	.57	.5	1.0
6222429	6252611	2611	5	2004	0	20	597381	6068506	13K14	1	2	.1	1.52	.5	.7	.2	67	.03	.1	.34	4	.5	.78	.5	.2
6222431	6252612	2612	5	2004	0	20	597519	6067342	13K11	1	1	.1	1.24	.5	.5	.2	60	.08	.1	.35	1	.5	.74	.5	.2
6222432	6252613	2613	5	2004	0	20	596780	6065003	13K11	1	1	.1	1.16	.5	.2	.2	19	.04	.1	.26	1	.5	.58	.5	7.3
6222433	6252614	2614	5	2004	0	20	600251	6065848	13K11	1	1	.1	1.31	.5	.2	.2	24	.03	.1	.30	2	.5	.62	.5	.2
6222434	6252615	2615	5	2004	0	20	601380	6064460	13K11	1	1	.1	1.71	.5	.2	.2	21	.02	.1	.39	1	.5	.81	.5	.2
6222435	6252616	2616	5	2004	0	20	602030	6061719	13K11	1	1	.1	1.16	.5	.2	.2	16	.03	.1	.34	1	.5	.68	.5	.2
6222436	6252617	2617	5	2004	0	20	603866	6061206	13K11	1	1	.1	1.43	.5	.2	.2	11	.04	.1	.40	1	.5	.79	.5	.2

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Asw2x	Baw2	Bew2	Caw1	Cow2	Crw2	Cuw2	Few1	Kw1	Liw2	Mgw1	Mnw1	Mow2	Naw1	Niw2	Pbw2
6222437	6252618	2618	5	2004	0	20	606733	6060660	13K11	1	6	.1	2.62	.5	.6	1.3	67	.07	.1	.78	2	.5	1.30	1.8	1.3
6222438	6252619	2619	5	2004	0	20	608846	6061480	13K11	1	4	.1	1.28	.5	.2	1.4	104	.08	.1	.52	2	.5	1.03	1.2	1.2
6222439	6252620	2620	5	2004	1	20	606941	6064250	13K11	1	3	.1	1.68	.5	.9	.2	39	.06	.1	.42	1	.5	.89	9.5	.2
6222441	6252621	2621	5	2004	2	20	606941	6064250	13K11	1	3	.1	1.68	.5	.2	.2	38	.09	.1	.42	1	.5	.86	.5	.2
6222442	6252622	2622	5	2004	0	20	605693	6063867	13K11	1	2	.1	1.51	.5	.2	.2	12	.04	.1	.40	1	.5	.83	1.1	.2
6222443	6252623	2623	5	2004	0	20	604166	6064198	13K11	1	2	.1	1.55	.5	.2	.2	13	.06	.1	.46	1	.5	.92	.5	.2
6222444	6252624	2624	5	2004	0	20	605799	6065870	13K11	1	2	.1	1.54	.5	.2	.2	31	.09	.1	.36	1	.5	.80	4.0	.2
6222445	6252625	2625	5	2004	0	20	603735	6066355	13K11	1	2	.1	1.84	.5	.2	.6	48	.09	.1	.50	1	.5	.80	.5	.2
6222446	6252626	2626	5	2004	0	20	602804	6066355	13K11	1	2	.1	1.60	.5	.2	.2	5	.07	.1	.46	1	.5	.81	.5	.2
6222447	6252627	2627	5	2004	0	20	603345	6068581	13K14	1	1	.1	1.46	.5	.2	.2	15	.08	.1	.35	1	.5	.63	.5	.2
6222448	6252628	2628	5	2004	0	20	601613	6068984	13K14	1	1	.1	1.34	.5	.2	.2	5	.03	.1	.31	1	.5	.64	.5	.2
6222449	6252629	2629	5	2004	0	20	600301	6068426	13K14	1	1	.1	1.25	.5	.2	.2	14	.02	.1	.37	1	.5	.56	.5	.2
6222451	6252630	2630	5	2004	0	20	601496	6071136	13K14	1	3	.1	1.97	.5	.2	.2	34	.05	.1	.51	2	.5	.78	.5	.2
6222452	6252631	2631	5	2004	0	20	606380	6074818	13K14	1	1	.1	2.46	.5	.2	2.9	12	.13	.1	.66	1	.5	1.20	1.5	.2
6222453	6252632	2632	5	2004	0	20	605308	6074813	13K14	1	2	.1	3.47	.5	.2	.2	22	.17	.1	.90	1	.5	1.50	2.3	.2
6222454	6252633	2633	5	2004	0	20	604677	6075822	13K14	1	2	.1	5.01	.5	.2	.2	20	.06	.1	1.50	1	.5	1.68	3.1	.2
6222455	6252634	2634	5	2004	0	20	601954	6076470	13K14	1	1	.1	1.97	.5	.2	.2	24	.04	.1	.82	1	.5	.80	.5	.2
6222456	6252635	2635	5	2004	0	20	600716	6076265	13K14	1	1	.1	2.62	.5	.2	.2	11	.03	.1	.59	1	.5	.81	8.5	.2
6222457	6252636	2636	5	2004	0	20	627719	6087438	13K14	1	2	.1	1.45	.5	.2	.2	19	.03	.1	.32	1	.5	.93	2.1	.2
6222459	6252638	2638	5	2004	0	20	624257	6090794	13K14	1	1	.1	1.28	.5	.2	.2	5	.01	.1	.17	1	.5	.65	.5	.2
6222461	6252639	2639	5	2004	0	20	626304	6092979	13K14	1	1	.1	2.00	.5	.2	.2	20	.05	.1	.38	1	.5	1.14	.5	.2
6222462	6252640	2640	5	2004	0	20	626255	6094455	13K14	1	1	.1	1.50	.5	.2	.2	30	.05	.1	.23	1	.5	1.16	1.0	.2
6222463	6252641	2641	5	2004	0	20	624575	6094804	13K14	1	1	.1	2.34	.5	.2	.2	18	.03	.1	.36	1	.5	1.05	1.3	.2
6222464	6252642	2642	5	2004	1	20	622983	6095924	13K14	1	1	.1	1.79	.5	.2	.2	13	.05	.1	.33	1	.5	.81	2.1	.2
6222465	6252643	2643	5	2004	2	20	622983	6095924	13K14	1	1	.1	1.78	.5	.2	.2	22	.05	.1	.33	1	.5	.84	2.1	.2
6222466	6252644	2644	5	2004	0	20	623872	6092915	13K14	1	1	.1	1.32	.5	.2	.2	18	.02	.1	.25	1	.5	.86	1.5	.2
6222467	6252645	2645	5	2004	0	20	622695	6091530	13K14	1	1	.1	.44	.5	.2	.2	13	.01	.1	.12	1	.5	.63	1.5	.2
6222468	6252646	2646	5	2004	0	20	620986	6090414	13K14	1	3	.1	3.61	.5	1.6	.2	11	.08	.1	.42	1	.5	.97	2.3	.2
6222469	6252647	2647	5	2004	0	20	619703	6090121	13K14	1	3	.1	4.03	.5	.2	.2	5	.11	.1	.54	1	.5	1.23	2.4	.2
6222471	6252648	2648	5	2004	0	20	618150	6089707	13K14	1	2	.1	2.96	.5	.2	.2	13	.09	.1	.35	1	.5	1.02	2.4	.2
6222472	6252649	2649	5	2004	0	20	603980	6072378	13K14	1	1	.1	2.15	.5	.2	.2	5	.03	.1	.54	1	.5	.84	2.2	.2
6222473	6252650	2650	5	2004	0	20	601301	6074711	13K14	1	1	.1	2.04	.5	.2	.2	5	.05	.1	.66	1	.5	.77	2.5	.2
6222474	6252651	2651	5	2004	0	20	613039	6083297	13K14	1	3	.1	2.64	.5	.2	.2	11	.16	.1	.44	1	.5	.94	2.5	.2
6222475	6252652	2652	5	2004	0	20	614530	6083191	13K14	1	1	.1	3.12	.5	.2	.2	5	.13	.2	.31	1	.5	.92	2.5	.2
6222476	6252653	2653	5	2004	0	20	614736	6084388	13K14	1	2	.1	4.03	.5	.2	.2	5	.12	.1	.45	1	.5	1.07	2.6	.2
6222477	6252654	2654	5	2004	0	20	613490	6085880	13K14	1	2	.1	2.68	.5	.2	.2	10	.09	.1	.30	1	.5	.83	2.3	.2
6222478	6252655	2655	5	2004	0	20	613279	6087498	13K14	1	2	.1	2.21	.5	.7	.2	19	.02	.1	.21	1	.5	.79	2.3	.2
6222479	6252656	2656	5	2004	0	20	615386	6087234	13K14	1	2	.1	2.00	.5	.2	1.7	5	.05	.1	.20	1	.5	.74	2.4	.2
6222481	6252657	2657	5	2004	0	20	616235	6089502	13K14	1	2	.1	3.62	.5	.2	.2	15	.18	.1	.46	1	.5	1.29	.5	.2
6222482	6252658	2658	5	2004	0	20	613497	6091444	13K14	1	1	.1	3.05	.5	.2	.2	5	.13	.1	.41	1	.5	1.13	.5	.2
6222483	6252659	2659	5	2004	0	20	616218	6092643	13K14	1	1	.1	4.20	.5	.2	.6	13	.14	.1	.58	1	.5	1.42	.5	.2
6222484	6252660	2660	5	2004	0	20	615248	6094192	13K14	1	1	.1	1.72	.5	.2	.2	13	.02	.1	.26	1	.5	.78	.5	.2
6222485	6252661	2661	5	2004	0	20	615334	6095432	13K14	1	1	.1	2.55	.5	.2	.2	38	.12	.1	.50	1	.5	1.25	.5	.2
6222486	6252662	2662	5	2004	0	20	617160	6094799	13K14	1	1	.1	2.32	.5	.2	.2	5	.08	.1	.34	1	.5	.98	.5	.2
6222487	6252663	2663	5	2004	1	20	617345	6093269	13K14	1	21	.8	2.91	1.2	23.9	10.8	12	.10	1.4	.43	1	.5	1.00	10.3	9.8
6222488	6252664	2664	5	2004	2	20	617345	6093269	13K14	1	1	.1	2.94	.5	.2	1.5	5	.11	.1	.44	1	.5	1.02	2.6	.2
6222489	6252665	2665	5	2004	0	20	618472	6093882	13K14	1	1	.1	1.52	.5	.2	.2	13	.07	.1	.21	1	.5	.89	2.1	.2
6222491	6252666	2666	5	2004	0	20	618950	6092180	13K14	1	2	.1	2.93	.5	.2	.2	16	.15	.1	.39	1	.5	1.15	2.3	.2

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Asw2x	Baw2	Bew2	Caw1	Cow2	Crw2	Cuw2	Few1	Kw1	Liw2	Mgw1	Mnw1	Mow2	Naw1	Niw2	Pbw2
6222492	6252667	2667	5	2004	0	20	619600	6088563	13K14	1	2	.1	2.73	.5	.2	.2	5	.05	.1	.31	1	.5	.85	2.4	.2
6222493	6252668	2668	5	2004	0	20	617825	6087263	13K14	1	2	.1	2.60	.5	.2	.2	5	.05	.1	.31	1	.5	.95	2.4	.2
6222494	6252669	2669	5	2004	0	20	619020	6086526	13K14	1	2	.1	3.82	.5	.2	.2	5	.05	.1	.38	1	.5	.99	2.7	.2
6222495	6252670	2670	5	2004	0	20	618410	6085023	13K14	1	4	.1	3.12	.5	.2	.2	5	.03	.1	.34	1	.5	.84	2.4	.2
6222496	6252671	2671	5	2004	0	20	616514	6083548	13K14	1	2	.1	4.78	.5	.2	.2	13	.17	.1	.51	2	.5	1.12	6.1	.2
6222497	6252672	2672	5	2004	0	20	618033	6081425	13K14	1	1	.1	1.98	.5	.2	.2	5	.04	.1	.21	1	.5	.72	3.0	.2
6222498	6252673	2673	5	2004	0	20	619637	6081600	13K14	1	2	.1	2.98	.5	.2	.2	5	.04	.1	.32	1	.5	.96	2.5	.2
6222499	6252674	2674	5	2004	0	20	620647	6082794	13K14	1	2	.1	1.77	.5	.2	.2	5	.03	.1	.23	1	.5	.70	2.1	.2
6222501	6252675	2675	5	2004	0	20	621500	6084503	13K14	1	1	.1	2.53	.5	.2	.2	13	.02	.1	.31	1	.5	.75	2.8	.2
6222502	6252676	2676	5	2004	0	20	622741	6082033	13K14	1	1	.1	.98	.5	.5	.2	10	.03	.1	.18	3	.5	.66	2.9	.2
6222503	6252677	2677	5	2004	0	20	624759	6081379	13K14	1	1	.1	1.03	.5	.2	.2	27	.02	.1	.20	1	.5	.76	2.3	.2
6222504	6252678	2678	5	2004	0	20	626419	6080798	13K14	1	1	.1	.85	.5	.2	.2	11	.01	.1	.18	1	.5	.65	2.5	.2
6222505	6252679	2679	5	2004	0	20	624959	6083635	13K14	1	1	.1	.58	.5	.2	.2	5	.01	.1	.13	1	.5	.65	2.1	.2
6222506	6252680	2680	5	2004	0	20	626738	6083579	13K14	1	1	.1	.92	.5	.2	.2	10	.02	.1	.19	3	.5	.69	2.0	.2
6222507	6252681	2681	5	2004	0	20	627222	6085096	13K14	1	1	.1	.89	.5	.2	.9	5	.01	.1	.19	1	.5	.70	2.2	.2
6222508	6252682	2682	5	2004	0	20	625513	6085380	13K14	1	1	.1	1.45	.5	.2	.2	27	.01	.1	.26	1	.5	.88	2.2	.2
6222509	6252683	2683	5	2004	0	20	624413	6087514	13K14	1	2	.1	1.86	.5	.2	.2	5	.01	.1	.26	1	.5	.79	2.3	.2
6222511	6252684	2684	5	2004	1	20	622752	6087510	13K14	1	3	.1	3.23	.5	.2	.2	5	.02	.1	.33	1	.5	.98	2.3	.2
6222512	6252685	2685	5	2004	2	20	622752	6087510	13K14	1	3	.1	3.22	.5	.2	.2	5	.05	.1	.33	1	.5	1.30	2.2	.2
6222513	6252686	2686	5	2004	0	20	604511	6044449	13K11	1	14	.1	2.91	.5	.2	.2	37	.05	.1	.59	1	.5	1.01	2.6	.2
6222514	6252687	2687	5	2004	0	20	605208	6045507	13K11	1	24	.1	6.67	.5	.2	.2	16	.05	.1	.72	1	.5	1.06	3.0	.2
6222515	6252688	2688	5	2004	0	20	606174	6044903	13K11	1	12	.1	2.78	.5	.2	.2	25	.05	.1	.56	1	.5	.96	3.6	.2
6222516	6252689	2689	5	2004	0	20	606740	6045747	13K11	1	13	.1	3.67	.5	.2	.2	32	.11	.1	.64	1	.5	1.34	2.8	.2
6222517	6252690	2690	5	2004	0	20	610332	6043879	13K11	1	32	.1	7.54	.5	.2	.2	5	.05	.1	.90	1	.5	.85	2.9	.2
6222518	6252691	2691	5	2004	0	20	611187	6044298	13K11	1	29	.1	7.60	.5	.2	.2	5	.09	.1	1.25	1	.5	.82	3.2	.2
6222521	6252693	2693	5	2004	0	20	614148	6043712	13K11	1	10	.1	5.78	.5	.2	.2	14	.05	.1	.37	1	.5	.64	.5	.2
6222522	6252694	2694	5	2004	0	20	615929	6044100	13K11	1	12	.1	5.69	.5	.2	.2	14	.06	.1	.42	1	.5	.73	.5	.2
6222523	6252695	2695	5	2004	0	20	618562	6044372	13K11	1	31	.1	10.46	.5	.2	.2	5	.09	.1	1.19	1	.5	.71	.5	.2
6222524	6252696	2696	5	2004	0	20	618721	6045413	13K11	1	6	.1	6.78	.5	.2	.2	5	.06	.2	.49	1	.5	1.00	.5	.2
6222525	6252697	2697	5	2004	0	20	622906	6044977	13K11	1	22	.1	8.05	.5	.2	.2	63	.07	.1	.94	1	.5	.70	.5	.2
6222526	6252698	2698	5	2004	0	20	624840	6044333	13K11	1	5	.1	2.11	.5	.2	.2	29	.03	.1	.19	1	.5	.55	.5	.2
6222527	6252699	2699	5	2004	0	20	624836	6046247	13K11	1	6	.1	3.27	.5	.2	.2	5	.04	.1	.38	1	.5	.71	.5	.2
6222528	6252700	2700	5	2004	0	20	623327	6046848	13K11	1	5	.1	2.36	.5	.2	.2	19	.01	.1	.29	1	.5	.65	.5	.2
6222529	6252701	2701	5	2004	0	20	625730	6048234	13K11	1	8	.1	3.12	.5	.2	.2	10	.03	.1	.39	1	.5	.74	.5	.2
6222531	6252702	2702	5	2004	0	20	623984	6048536	13K11	1	6	.1	2.33	.5	.2	.2	79	.03	.1	.35	1	.5	.74	.5	.2
6222532	6252703	2703	5	2004	0	20	620837	6048606	13K11	1	13	.1	8.03	.5	.2	.2	47	.04	.2	.78	1	.5	1.12	.5	.2
6222533	6252704	2704	5	2004	0	20	620220	6046712	13K11	1	9	.1	4.98	.5	.2	.2	20	.06	.1	.48	1	.5	.89	.5	.2
6222534	6252705	2705	5	2004	1	20	618482	6047458	13K11	1	8	.1	4.15	.5	.2	.2	5	.07	.1	.39	1	.5	.77	.5	.2
6222535	6252706	2706	5	2004	2	20	618482	6047458	13K11	1	8	.1	4.15	.5	.2	.2	5	.04	.1	.39	1	.5	.80	.5	.2
6222536	6252707	2707	5	2004	0	20	615784	6046708	13K11	1	6	.1	4.29	.5	.2	.2	11	.09	.2	.47	1	.5	.85	.5	.2
6222537	6252708	2708	5	2004	0	20	613725	6046145	13K11	1	11	.1	5.81	.5	.2	.2	23	.05	.1	.45	1	.5	.88	.5	.2
6222538	6252709	2709	5	2004	0	20	610999	6048567	13K11	1	15	.1	5.02	.5	.2	.2	14	.18	.1	1.09	1	.5	1.42	.5	.2
6222539	6252710	2710	5	2004	0	20	612077	6050722	13K11	1	10	.1	1.86	.5	.2	.2	5	.05	.1	.36	1	.5	.82	.5	.2
6222541	6252711	2711	5	2004	0	20	614595	6049079	13K11	1	2	.1	.63	.5	.2	.2	5	.07	.1	.20	1	.5	.51	.5	.2
6222542	6252712	2712	5	2004	0	20	615893	6050426	13K11	1	6	.1	3.16	.5	.2	.2	20	.12	.1	.67	1	.5	1.22	.5	.2
6222543	6252713	2713	5	2004	0	20	618347	6051927	13K11	1	4	.1	2.01	.5	.2	.2	5	.05	.1	.43	1	.5	.93	.5	.2
6222544	6252714	2714	5	2004	0	20	620255	6051999	13K11	1	4	.1	2.67	.5	.2	.2	26	.05	.1	.57	1	.5	1.05	.5	.2
6222545	6252715	2715	5	2004	0	20	621245	6053026	13K11	1	3	.1	2.09	.5	.2	.2	46	.01	.1	.34	1	.5	.76	.5	.2

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Asw2x	Baw2	Bew2	Caw1	Cow2	Crw2	Cuw2	Few1	Kw1	Liw2	Mgw1	Mnw1	Mow2	Naw1	Niw2	Pbw2
6222546	6252716	2716	5	2004	0	20	622371	6050606	13K11	1	3	.1	4.25	.5	.2	.2	36	.08	.1	.56	1	.5	1.05	.5	.2
6222547	6252717	2717	5	2004	0	20	625892	6051900	13K11	1	6	.1	3.24	.5	.2	.2	30	.04	.1	.47	1	.5	.98	2.6	.2
6222548	6252718	2718	5	2004	0	20	627954	6057784	13K11	1	3	.1	1.69	.5	.2	.2	21	.01	.1	.23	1	.5	.65	2.4	.2
6222549	6252719	2719	5	2004	0	20	625948	6057629	13K11	1	2	.1	1.59	.5	.2	.2	18	.01	.1	.23	1	.5	.66	2.2	.2
6222551	6252720	2720	5	2004	0	20	626516	6058440	13K11	1	3	.1	1.65	.5	.2	.2	20	.01	.1	.28	1	.5	.71	1.9	.2
6222552	6252721	2721	5	2004	0	20	626255	6059306	13K11	1	2	.1	1.38	.5	.2	.2	5	.02	.1	.20	1	.5	.63	2.1	.2
6222553	6252722	2722	5	2004	0	20	628588	6060943	13K11	1	4	.1	2.19	.5	.2	.2	34	.03	.1	.30	1	.5	.83	2.3	.2
6222554	6252723	2723	5	2004	0	20	625557	6060521	13K11	1	2	.1	1.92	.5	.2	.2	13	.02	.1	.20	1	.5	.64	2.0	.2
6222555	6252724	2724	5	2004	0	20	626958	6063012	13K11	1	3	.1	1.53	.5	.2	.2	5	.01	.1	.21	1	.5	.64	2.1	.2
6222556	6252725	2725	5	2004	0	20	628611	6064379	13K11	1	2	.1	1.40	.5	.2	.2	18	.01	.1	.19	1	.5	.72	2.2	.2
6222557	6252726	2726	5	2004	1	20	628693	6067481	13K11	1	3	.1	1.61	.5	.2	.2	5	.13	.1	.26	1	.5	.72	2.1	.2
6222558	6252727	2727	5	2004	2	20	628693	6067481	13K11	1	3	.1	1.59	.5	.2	.2	5	.07	.1	.25	1	.5	.68	1.4	.2
6222559	6252728	2728	5	2004	0	20	626396	6064885	13K11	1	3	.1	1.36	.5	.2	.2	5	.03	.1	.23	1	.5	.80	1.8	.2
6222561	6252729	2729	5	2004	0	20	624623	6063926	13K11	1	2	.1	.96	.5	.2	.2	10	.01	.1	.15	1	.5	.78	1.7	.2
6222562	6252730	2730	5	2004	0	20	624030	6067389	13K11	1	3	.1	1.33	.5	.2	.2	15	.01	.1	.27	1	.5	.94	2.5	.2
6222563	6252731	2731	5	2004	0	20	620005	6067679	13K11	1	4	.1	2.34	.5	.2	.2	14	.06	.1	.30	1	.5	.87	2.0	.2
6222564	6252732	2732	5	2004	0	20	618060	6066551	13K11	1	2	.1	1.61	.5	.2	.2	5	.02	.1	.18	1	.5	.61	2.6	.2
6222565	6252733	2733	5	2004	0	20	616894	6066551	13K11	1	2	.1	2.51	.5	.2	.2	12	.06	.1	.26	1	.5	.56	.5	.2
6222566	6252734	2734	5	2004	0	20	614178	6066473	13K11	1	2	.1	1.65	.5	.2	.2	14	.07	.1	.24	1	.5	.66	.5	.2
6222567	6252735	2735	5	2004	0	20	612705	6066764	13K11	1	3	.1	1.97	.5	.2	.2	5	.27	.1	.45	1	.5	.95	1.1	.2
6222568	6252736	2736	5	2004	0	20	608774	6067763	13K11	1	5	.1	2.35	.5	.2	.2	11	.14	.1	.45	1	.5	1.01	.5	.2
6222569	6252737	2737	5	2004	0	20	612880	6063249	13K11	1	3	.1	.61	.5	.2	.2	63	.02	.1	.18	1	.5	.65	.5	.2
6222571	6252738	2738	5	2004	0	20	615325	6064084	13K11	1	2	.1	.69	.5	.2	.2	35	.03	.1	.16	1	.5	.68	.5	.2
6222572	6252739	2739	5	2004	0	20	620228	6065970	13K11	1	4	.1	3.10	.5	.2	.2	5	.05	.1	.29	1	.5	.75	.5	.2
6222573	6252740	2740	5	2004	1	20	621671	6065092	13K11	1	4	.1	3.41	.5	.2	.2	18	.08	.1	.41	1	.5	1.00	.5	.2
6222574	6252741	2741	5	2004	2	20	621671	6065092	13K11	1	5	.1	3.42	.5	.2	.2	13	.10	.1	.41	1	.5	1.02	1.4	.2
6222575	6252742	2742	5	2004	0	20	624044	6061915	13K11	1	2	.1	1.42	.5	.2	.2	20	.02	.1	.20	1	.5	.68	.5	.2
6222576	6252743	2743	5	2004	0	20	622542	6062121	13K11	1	3	.1	2.06	.5	.2	.2	13	.08	.1	.34	1	.5	.79	.5	.2
6222577	6252744	2744	5	2004	0	20	620607	6063636	13K11	1	4	.1	2.29	.5	.2	.2	54	.06	.1	.32	3	.5	.74	.5	.2
6222578	6252745	2745	5	2004	0	20	618227	6062240	13K11	1	3	.1	1.07	.5	.2	.2	17	.05	.1	.20	1	.5	.62	.5	.2
6222579	6252746	2746	5	2004	0	20	616450	6062354	13K11	1	2	.1	.84	.5	.2	.2	43	.07	.1	.23	1	.5	.69	.5	.2
6222581	6252747	2747	5	2004	0	20	614200	6061750	13K11	1	2	.1	.55	.5	.2	.2	36	.02	.1	.17	1	.5	.59	.5	.2
6222582	6252748	2748	5	2004	0	20	612183	6061598	13K11	1	4	.1	1.05	.5	.2	.2	13	.05	.1	.31	1	.5	.66	1.0	.2
6222583	6252749	2749	5	2004	0	20	613424	6060199	13K11	1	7	.1	1.38	.5	.2	.2	27	.10	.1	.41	1	.5	.76	3.1	.2
6222584	6252750	2750	5	2004	0	20	616406	6061037	13K11	1	4	.1	1.31	.5	.2	.2	65	.09	.1	.27	1	.5	.78	.5	.2
6222585	6252751	2751	5	2004	0	20	618120	6059923	13K11	1	3	.1	1.00	.5	.2	.2	26	.03	.1	.18	1	.5	.63	1.2	.2
6222586	6252752	2752	5	2004	0	20	620150	6062578	13K11	1	4	.1	1.68	.5	.2	.2	11	.06	.1	.26	1	.5	.68	1.7	.2
6222587	6252753	2753	5	2004	0	20	620880	6060316	13K11	1	3	.1	2.13	.5	.2	.2	26	.08	.1	.34	1	.5	.98	.5	.2
6222588	6252754	2754	5	2004	0	20	622165	6060390	13K11	1	4	.1	1.63	.5	.2	.2	12	.08	.1	.28	1	.5	.68	.5	.2
6222589	6252755	2755	5	2004	0	20	622369	6057957	13K11	1	3	.1	1.41	.5	.2	.2	27	.02	.1	.22	1	.5	.67	.5	.2
6222591	6252756	2756	5	2004	0	20	621246	6057199	13K11	1	3	.1	1.82	.5	.2	.2	57	.01	.1	.38	1	.5	.87	1.7	.2
6222592	6252757	2757	5	2004	0	20	618003	6058085	13K11	1	3	.1	.91	.5	.2	.2	39	.02	.1	.19	1	.5	.66	.5	.2
6222593	6252758	2758	5	2004	1	20	616068	6057000	13K11	1	3	.1	1.14	.5	.2	.2	12	.04	.1	.26	1	.5	.64	.5	.2
6222594	6252759	2759	5	2004	2	20	616068	6057000	13K11	1	4	.1	1.14	.5	.2	.2	12	.05	.1	.25	1	.5	.69	.5	.2
6222595	6252760	2760	5	2004	0	20	613943	6057543	13K11	1	5	.1	1.28	.5	.2	1.0	11	.07	.1	.26	1	.5	.69	.5	.2
6222596	6252761	2761	5	2004	0	20	612092	6059807	13K11	1	5	.1	1.88	.5	.2	.2	5	.11	.1	.49	1	.5	.74	.5	.2
6222597	6252762	2762	5	2004	0	20	610350	6057184	13K11	1	8	.1	1.53	.5	.2	.2	5	.09	.1	.37	1	.5	.78	.5	.2
6222598	6252763	2763	5	2004	0	20	608975	6059330	13K11	1	6	.1	1.72	.5	.2	.2	18	.10	.1	.45	1	.5	.82	.5	.2

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Asw2x	Baw2	Bew2	Caw1	Cow2	Crw2	Cuw2	Few1	Kw1	Liw2	Mgw1	Mnw1	Mow2	Naw1	Niw2	Pbw2
6222599	6252764	2764	5	2004	0	20	606952	6059273	13K11	1	2	.1	1.36	.5	.2	.2	5	.02	.1	.31	1	.5	.66	.5	.2
6222601	6252765	2765	5	2004	0	20	604659	6058265	13K11	1	6	.1	1.68	.5	.2	.2	5	.08	.1	.38	1	.5	.73	.5	.2
6222602	6252766	2766	5	2004	0	20	601642	6058654	13K11	1	3	.1	1.88	.5	.2	8.0	10	.07	.1	.43	1	.5	.91	2.2	.2
6222603	6252767	2767	5	2004	0	20	600194	6059955	13K11	1	2	.1	1.57	.5	.2	1.0	5	.02	.1	.37	1	.5	.77	.5	.2
6222604	6252768	2768	5	2004	0	20	599941	6061996	13K11	1	1	.1	1.06	.5	.2	.2	5	.03	.1	.28	1	1.0	.57	.5	.2
6222605	6252769	2769	5	2004	0	20	599708	6063486	13K11	1	2	.1	2.02	.5	.2	.2	42	.07	.1	.76	1	.5	.91	.5	.2
6222606	6252770	2770	5	2004	0	20	607290	6050972	13K11	1	35	.1	4.13	.5	.2	.2	5	.03	.4	.57	1	.5	1.22	.5	.2
6222607	6252771	2771	5	2004	0	20	607421	6052996	13K11	1	8	.1	1.87	.5	.2	.2	42	.04	.1	.35	1	.5	.90	.5	.2
6222608	6252772	2772	5	2004	0	20	604696	6052880	13K11	1	8	.1	1.76	.5	.2	.2	14	.02	.2	.28	2	.5	.79	.5	.2
6222609	6252773	2773	5	2004	0	20	604702	6051715	13K11	1	8	.1	1.26	.5	.2	.2	42	.03	.1	.23	1	.5	.73	.5	.2
6222611	6252774	2774	5	2004	0	20	603247	6050149	13K11	1	41	.1	3.73	.5	.2	.2	13	.07	.1	.52	1	.5	1.14	.5	.2
6222612	6252775	2775	5	2004	0	20	602740	6051780	13K11	1	6	.1	1.89	.5	.2	.2	17	.03	.1	.45	2	1.7	.79	.5	.2
6222613	6252776	2776	5	2004	0	20	601214	6052663	13K11	1	5	.1	2.04	.5	.2	.2	33	.05	.1	.49	6	.5	.84	.5	.2
6222614	6252777	2777	5	2004	0	20	601128	6050628	13K11	1	16	.1	2.15	.5	.2	.5	17	.06	.2	.33	1	.5	.83	.5	.2
6222615	6252778	2778	5	2004	0	20	596961	6049839	13K11	1	5	.1	1.39	.5	.2	.2	46	.02	.1	.34	1	.5	.68	.5	.2
6222616	6252779	2779	5	2004	0	20	598805	6052240	13K11	1	6	.1	2.01	.5	.2	.2	15	.04	.1	.49	3	.5	.83	.5	.2
6222617	6252780	2780	5	2004	1	20	598519	6055273	13K11	1	3	.1	1.57	.5	.2	.2	13	.02	.1	.40	1	.5	.63	.5	.2
6222618	6252781	2781	5	2004	2	20	598519	6055273	13K11	1	3	.1	1.59	.5	.2	.2	12	.03	.1	.40	1	.5	.65	.5	.2
6222619	6252782	2782	5	2004	0	20	599677	6055357	13K11	1	3	.1	1.50	.5	.2	.2	5	.13	.1	.36	1	.5	.68	.5	.2
6222621	6252783	2783	5	2004	0	20	601932	6055145	13K11	1	3	.1	1.79	.5	.2	.2	18	.04	.1	.42	1	.5	.71	.5	.2
6222622	6252784	2784	5	2004	0	20	603275	6054939	13K11	1	3	.1	1.44	.5	.2	.2	5	.06	.1	.34	1	1.1	.64	.5	.2
6222623	6252785	2785	5	2004	0	20	606018	6054073	13K11	1	8	.1	1.89	.5	.2	.2	5	.02	.1	.32	1	.5	.77	.5	.2
6222624	6252786	2786	5	2004	0	20	607538	6054188	13K11	1	9	.1	1.77	.5	.2	.2	24	.01	.1	.25	1	.5	.67	.5	.2
6222625	6252787	2787	5	2004	0	20	607501	6057440	13K11	1	8	.1	1.83	.5	.2	.2	5	.10	.1	.42	1	.5	.84	.5	.2
6222626	6252788	2788	5	2004	0	20	604055	6056924	13K11	1	6	.1	1.62	.5	.2	.2	47	.05	.1	.34	3	.5	.87	.5	.2
6222627	6252789	2789	5	2004	0	20	602857	6056136	13K11	1	4	.1	1.25	.5	.2	.2	5	.02	.1	.32	1	.5	.68	.5	.2
6222628	6252790	2790	5	2004	0	20	600388	6056698	13K11	1	3	.1	1.50	.5	.2	.2	5	.03	.1	.33	1	.5	.74	.5	.2
6222629	6252791	2791	5	2004	0	20	598414	6057686	13K11	1	2	.1	1.45	.5	.2	.2	5	.01	.1	.33	1	.5	.74	.5	.2
6222631	6252792	2792	5	2004	0	20	597550	6059064	13K11	1	2	.1	1.60	.5	.2	.2	5	.02	.1	.38	1	.5	.83	.5	.2
6222632	6252793	2793	5	2004	0	20	598002	6060674	13K11	1	1	.1	.92	.5	.2	1.8	5	.03	.1	.27	1	1.2	.50	.5	.2

* N.A. indicates not analyzed.

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Pw2	Siw1	SO4w1	Srw2	Tiw2	Vw2	Yw2	Znw2
6222331	6252522	2522	5	2004	0	20	609780	6051657	13K11	23	.56	.01	6.4	.1	.5	.05	8.0
6222332	6252523	2523	5	2004	0	20	610407	6053269	13K11	2	.62	.01	6.6	.1	.1	.05	.5
6222333	6252524	2524	5	2004	0	20	611285	6055035	13K11	2	.89	.01	5.5	.1	.3	.05	1.3
6222334	6252525	2525	5	2004	0	20	612583	6053506	13K11	2	1.64	.01	8.4	.7	.4	.05	.5
6222335	6252526	2526	5	2004	0	20	613685	6054804	13K11	2	1.43	.01	6.9	.4	.3	.05	1.7
6222336	6252527	2527	5	2004	0	20	614399	6053534	13K11	2	1.58	.01	12.6	.3	.3	.05	.5
6222337	6252528	2528	5	2004	0	20	616222	6055146	13K11	2	.64	.01	8.2	.1	.6	.05	.5
6222338	6252529	2529	5	2004	0	20	616906	6054197	13K11	2	1.30	.01	9.0	.2	.1	.05	.5
6222339	6252530	2530	5	2004	0	20	618724	6055614	13K11	2	1.46	.01	7.3	.1	.1	.05	.5
6222341	6252531	2531	5	2004	0	20	619472	6053792	13K11	2	1.15	.01	6.8	.2	.1	.05	.5
6222342	6252532	2532	5	2004	0	20	621075	6055384	13K11	2	1.09	.01	6.5	.1	.1	.05	.5
6222343	6252533	2533	5	2004	0	20	622744	6054186	13K11	2	1.71	.01	9.0	.5	.1	.05	.5
6222344	6252534	2534	5	2004	0	20	623647	6055815	13K11	2	.98	.01	5.0	.1	.1	.05	.5
6222345	6252535	2535	5	2004	0	20	625561	6054397	13K11	6	.24	.01	4.4	.1	.1	.05	.5
6222346	6252536	2536	5	2004	0	20	627992	6055959	13K11	2	2.10	.01	17.5	.5	.1	.05	2.0
6222347	6252537	2537	5	2004	0	20	628742	6053353	13K11	8	1.95	.01	8.1	.2	.3	.05	1.8
6222348	6252538	2538	5	2004	0	20	628391	6051381	13K11	17	1.34	.01	6.2	.3	.1	.05	7.1
6222349	6252539	2539	5	2004	0	20	627349	6050544	13K11	2	1.28	.01	8.5	.2	.1	.05	.5
6222351	6252540	2540	5	2004	0	20	628615	6048752	13K11	2	1.05	.01	5.0	.2	.1	.05	.5
6222352	6252541	2541	5	2004	1	20	627511	6048667	13K11	2	.92	.01	5.3	.2	.1	.05	.5
6222353	6252542	2542	5	2004	2	20	627511	6048667	13K11	2	.93	.01	5.1	.6	.1	.05	.5
6222354	6252543	2543	5	2004	0	20	626749	6046081	13K11	2	.89	.01	4.8	.2	.1	.05	.5
6222355	6252544	2544	5	2004	0	20	627241	6045031	13K11	2	.73	.01	5.0	.1	.3	.05	.5
6222356	6252545	2545	5	2004	0	20	629355	6043978	13K11	2	.99	.01	5.5	.1	.1	.05	.5
6222357	6252546	2546	5	2004	0	20	628020	6043042	13K11	6	.29	.01	5.8	.2	.1	.05	.5
6222358	6252547	2547	5	2004	0	20	625656	6043407	13K11	2	.83	.01	6.2	.2	.5	.05	.5
6222359	6252548	2548	5	2004	0	20	623700	6041361	13K11	6	1.74	.04	22.3	.5	.3	.05	.5
6222361	6252549	2549	5	2004	0	20	621757	6043047	13K11	2	1.29	.01	16.6	.1	.2	.05	.5
6222362	6252550	2550	5	2004	0	20	621136	6040818	13K11	2	1.56	.01	17.2	.3	.5	.05	.5
6222363	6252551	2551	5	2004	0	20	619500	6041303	13K11	2	.97	.01	13.3	.1	.3	.05	.5
6222364	6252552	2552	5	2004	0	20	617312	6041356	13K11	2	.95	.01	13.9	.2	.4	.05	.5
6222365	6252553	2553	5	2004	0	20	614130	6042138	13K11	2	1.12	.01	16.1	.1	.2	.05	.5
6222366	6252554	2554	5	2004	0	20	612187	6041041	13K11	2	1.19	.02	29.3	.4	.3	.05	.5
6222367	6252555	2555	5	2004	0	20	611137	6077132	13K14	7	2.18	.01	13.1	.1	.7	.05	.5
6222368	6252556	2556	5	2004	0	20	612087	6078632	13K14	2	2.45	.01	9.3	.2	.1	.05	.5
6222369	6252557	2557	5	2004	0	20	613437	6077132	13K14	2	.64	.01	5.3	.1	.2	.05	.5
6222371	6252558	2558	5	2004	0	20	614687	6077822	13K14	2	.68	.01	3.8	.1	.1	.05	.5
6222372	6252559	2559	5	2004	0	20	616137	6076632	13K14	5	.80	.01	6.1	.1	.2	.05	1.2
6222373	6252560	2560	5	2004	0	20	617838	6077357	13K14	2	.71	.01	5.1	.1	.2	.05	.5
6222374	6252561	2561	5	2004	0	20	619637	6076782	13K14	2	.71	.01	3.8	.1	.1	.05	.5
6222375	6252562	2562	5	2004	0	20	621837	6076750	13K14	2	1.26	.01	6.9	.3	.3	.05	.5
6222376	6252563	2563	5	2004	1	20	624637	6075932	13K14	2	.70	.01	5.0	.1	.2	.05	.5
6222377	6252564	2564	5	2004	2	20	624742	6076095	13K14	2	.70	.01	4.8	.5	.1	.05	.5
6222378	6252565	2565	5	2004	0	20	624352	6075197	13K14	2	.77	.01	5.0	.1	.3	.05	.5
6222379	6252566	2566	5	2004	0	20	623175	6073708	13K14	2	.67	.01	5.0	.8	.7	.05	1.6
6222381	6252567	2567	5	2004	0	20	619412	6074453	13K14	2	.65	.01	4.0	.2	.3	.05	.5
6222382	6252568	2568	5	2004	0	20	617151	6074156	13K14	5	1.30	.01	10.4	.1	.1	.05	.5
6222383	6252569	2569	5	2004	0	20	616758	6075062	13K14	2	1.10	.01	11.2	.1	.3	.05	.5

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Pw2	Siw1	SO4w1	Srw2	Tiw2	Vw2	Yw2	Znw2
6222384	6252570	2570	5	2004	0	20	614048	6073983	13K14	5	1.22	.01	10.7	.3	.3	.05	.5
6222385	6252571	2571	5	2004	0	20	612119	6073734	13K14	2	1.32	.01	7.6	.3	.3	.05	.5
6222386	6252572	2572	5	2004	0	20	612579	6072225	13K14	2	.57	.01	3.7	.2	.2	.05	.5
6222387	6252573	2573	5	2004	0	20	611303	6071800	13K14	2	1.07	.01	8.0	.9	.1	.05	.5
6222388	6252574	2574	5	2004	0	20	608896	6069333	13K14	2	3.44	.01	18.5	.5	1.7	.05	1.5
6222389	6252575	2575	5	2004	0	20	611162	6070100	13K14	2	.93	.01	6.2	.1	.1	.05	.5
6222391	6252576	2576	5	2004	0	20	613949	6069999	13K14	2	2.21	.02	8.3	.1	.1	.05	.5
6222392	6252577	2577	5	2004	0	20	614910	6070433	13K14	6	1.03	.01	6.4	.1	.6	.05	1.4
6222393	6252578	2578	5	2004	0	20	615809	6071792	13K14	2	2.67	.01	9.9	.2	.3	.05	1.1
6222394	6252579	2579	5	2004	0	20	617165	6072293	13K14	2	2.04	.01	12.3	.1	.3	.05	5.2
6222395	6252580	2580	5	2004	1	20	618326	6069151	13K14	2	.25	.01	4.6	.1	.4	.05	.5
6222396	6252581	2581	5	2004	2	20	618326	6069151	13K14	2	.24	.01	4.6	.2	.3	.05	.5
6222397	6252582	2582	5	2004	0	20	619797	6069084	13K14	2	1.39	.01	9.2	.4	.5	.12	.5
6222398	6252583	2583	5	2004	0	20	622052	6070755	13K14	2	1.65	.01	9.3	.8	.5	.05	.5
6222399	6252584	2584	5	2004	0	20	622845	6069980	13K14	2	.35	.01	4.0	.1	.1	.05	.5
6222401	6252585	2585	5	2004	0	20	623769	6072387	13K14	2	.37	.01	4.7	.3	.3	.05	.5
6222402	6252586	2586	5	2004	0	20	625189	6070027	13K14	2	.63	.02	6.3	.4	.3	.05	.5
6222403	6252587	2587	5	2004	0	20	625926	6069631	13K14	2	.81	.01	5.4	.2	.3	.05	.5
6222404	6252588	2588	5	2004	0	20	628527	6071991	13K14	2	.41	.01	3.9	.3	.3	.05	.5
6222405	6252589	2589	5	2004	0	20	626571	6072519	13K14	2	.37	.01	4.1	.2	.1	.05	1.1
6222406	6252590	2590	5	2004	0	20	626898	6074120	13K14	2	.59	.01	4.6	.1	.3	.05	.5
6222407	6252591	2591	5	2004	0	20	627083	6076265	13K14	2	.31	.01	2.9	.2	.3	.05	.5
6222408	6252592	2592	5	2004	0	20	626569	6079167	13K14	2	.77	.04	5.4	.1	.3	.05	.5
6222409	6252593	2593	5	2004	0	20	624539	6078412	13K14	2	.72	.01	9.6	.4	.1	.05	.5
6222411	6252594	2594	5	2004	0	20	622801	6078605	13K14	2	1.41	.03	5.7	.1	.1	.05	.5
6222412	6252595	2595	5	2004	0	20	619596	6079053	13K14	2	.66	.01	6.0	.1	.1	.05	.5
6222413	6252596	2596	5	2004	0	20	618582	6078574	13K14	2	.79	.04	6.0	.1	.1	.05	.5
6222414	6252597	2597	5	2004	0	20	616232	6079699	13K14	2	.79	.02	5.8	.1	.1	.05	.5
6222415	6252598	2598	5	2004	0	20	613190	6080125	13K14	2	1.84	.01	8.3	.1	.2	.05	.5
6222416	6252599	2599	5	2004	0	20	610480	6078879	13K14	2	1.90	.01	8.4	.1	.1	.05	.5
6222417	6252600	2600	5	2004	1	20	609060	6078213	13K14	2	1.58	.02	8.8	.2	.4	.05	.5
6222418	6252601	2601	5	2004	2	20	609060	6078213	13K14	2	1.55	.01	8.6	.1	.4	.05	.5
6222419	6252602	2602	5	2004	0	20	608216	6079548	13K14	2	.74	.01	4.7	.1	.1	.05	.5
6222421	6252603	2603	5	2004	0	20	605594	6078908	13K14	2	.83	.02	5.8	.1	.1	.05	.5
6222422	6252604	2604	5	2004	0	20	601186	6078377	13K14	2	2.79	.04	6.5	.1	.3	.05	1.1
6222423	6252605	2605	5	2004	0	20	598799	6077798	13K14	2	1.28	.02	5.5	.1	.1	.05	.5
6222424	6252606	2606	5	2004	0	20	597994	6075483	13K14	2	2.02	.01	7.8	1.5	.4	.05	2.8
6222425	6252607	2607	5	2004	0	20	598844	6074870	13K14	2	.73	.01	4.3	.3	.1	.05	.5
6222426	6252608	2608	5	2004	0	20	597308	6073099	13K14	2	1.05	.02	5.1	.3	.1	.05	.5
6222427	6252609	2609	5	2004	0	20	597973	6072109	13K14	2	1.62	.03	6.2	.3	.3	.05	1.1
6222428	6252610	2610	5	2004	0	20	599206	6070986	13K14	2	1.13	.01	4.9	.3	.1	.05	.5
6222429	6252611	2611	5	2004	0	20	597381	6068506	13K14	2	1.32	.02	5.9	.6	.1	.05	.5
6222431	6252612	2612	5	2004	0	20	597519	6067342	13K11	2	1.30	.01	4.9	3.1	.1	.05	.5
6222432	6252613	2613	5	2004	0	20	596780	6065003	13K11	2	1.01	.02	4.5	.6	.1	.05	.5
6222433	6252614	2614	5	2004	0	20	600251	6065848	13K11	5	1.19	.01	5.1	.6	.1	.05	.5
6222434	6252615	2615	5	2004	0	20	601380	6064460	13K11	2	1.88	.03	6.7	.5	.1	.05	.5
6222435	6252616	2616	5	2004	0	20	602030	6061719	13K11	2	.86	.01	4.9	.5	.1	.05	.5
6222436	6252617	2617	5	2004	0	20	603866	6061206	13K11	2	1.30	.01	6.0	.2	.1	.05	.5

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Pw2	Siw1	SO4w1	Srw2	Tiw2	Vw2	Yw2	Znw2
6222437	6252618	2618	5	2004	0	20	606733	6060660	13K11	7	2.25	.01	12.6	2.4	.4	.05	4.1
6222438	6252619	2619	5	2004	0	20	608846	6061480	13K11	2	1.47	.01	7.2	1.9	.4	.05	.5
6222439	6252620	2620	5	2004	1	20	606941	6064250	13K11	7	1.64	.01	8.2	1.6	.7	.05	.5
6222441	6252621	2621	5	2004	2	20	606941	6064250	13K11	2	1.64	.02	8.2	1.3	.9	.05	.5
6222442	6252622	2622	5	2004	0	20	605693	6063867	13K11	2	1.56	.01	7.2	.1	.1	.05	.5
6222443	6252623	2623	5	2004	0	20	604166	6064198	13K11	2	1.69	.04	8.1	.3	.5	.05	.5
6222444	6252624	2624	5	2004	0	20	605799	6065870	13K11	2	1.26	.01	6.6	.6	.3	.05	.5
6222445	6252625	2625	5	2004	0	20	603735	6066355	13K11	2	1.16	.01	7.7	.9	.4	.05	.5
6222446	6252626	2626	5	2004	0	20	602804	6066355	13K11	2	1.43	.01	7.5	.1	.1	.05	.5
6222447	6252627	2627	5	2004	0	20	603345	6068581	13K14	2	.93	.04	6.1	.2	.6	.05	.5
6222448	6252628	2628	5	2004	0	20	601613	6068984	13K14	2	1.32	.01	5.9	.1	.1	.05	.5
6222449	6252629	2629	5	2004	0	20	600301	6068426	13K14	2	.76	.02	5.7	.3	.4	.05	.5
6222451	6252630	2630	5	2004	0	20	601496	6071136	13K14	2	1.73	.01	7.4	.4	.1	.05	.5
6222452	6252631	2631	5	2004	0	20	606380	6074818	13K14	5	1.30	.01	8.5	.1	.9	.05	.5
6222453	6252632	2632	5	2004	0	20	605308	6074813	13K14	2	2.87	.02	12.2	.1	1.0	.05	.5
6222454	6252633	2633	5	2004	0	20	604677	6075822	13K14	7	2.02	.06	13.7	.2	2.1	.05	.5
6222455	6252634	2634	5	2004	0	20	601954	6076470	13K14	2	.81	.01	5.7	.2	.4	.05	.5
6222456	6252635	2635	5	2004	0	20	600716	6076265	13K14	7	1.72	.05	7.2	.2	.6	.05	4.1
6222457	6252636	2636	5	2004	0	20	627719	6087438	13K14	2	1.34	.01	6.5	.1	.5	.05	.5
6222459	6252638	2638	5	2004	0	20	624257	6090794	13K14	2	.55	.02	3.6	.4	.1	.05	.5
6222461	6252639	2639	5	2004	0	20	626304	6092979	13K14	2	2.03	.01	7.2	.6	.1	.05	.5
6222462	6252640	2640	5	2004	0	20	626255	6094455	13K14	2	1.38	.01	5.9	.3	.1	.05	.5
6222463	6252641	2641	5	2004	0	20	624575	6094804	13K14	2	1.58	.03	7.1	.2	.1	.05	.5
6222464	6252642	2642	5	2004	1	20	622983	6095924	13K14	2	.85	.01	5.3	.2	.1	.05	.5
6222465	6252643	2643	5	2004	2	20	622983	6095924	13K14	2	.84	.01	5.3	.5	.1	.05	.5
6222466	6252644	2644	5	2004	0	20	623872	6092915	13K14	2	.81	.04	5.3	.8	.1	.05	.5
6222467	6252645	2645	5	2004	0	20	622695	6091530	13K14	2	.24	.03	2.6	.1	.1	.05	.5
6222468	6252646	2646	5	2004	0	20	620986	6090414	13K14	2	1.97	.04	10.2	.2	.1	.05	.5
6222469	6252647	2647	5	2004	0	20	619703	6090121	13K14	2	2.80	.03	12.5	.2	.2	.05	.5
6222471	6252648	2648	5	2004	0	20	618150	6089707	13K14	2	2.20	.01	8.5	.7	.1	.05	.5
6222472	6252649	2649	5	2004	0	20	603980	6072378	13K14	2	2.26	.01	8.4	.1	.1	.05	.5
6222473	6252650	2650	5	2004	0	20	601301	6074711	13K14	2	1.57	.01	6.7	.1	.1	.05	.5
6222474	6252651	2651	5	2004	0	20	613039	6083297	13K14	2	.74	.01	7.7	.2	.6	.05	1.8
6222475	6252652	2652	5	2004	0	20	614530	6083191	13K14	2	.85	.02	8.0	.1	.1	.05	.5
6222476	6252653	2653	5	2004	0	20	614736	6084388	13K14	2	1.36	.03	11.2	.3	.1	.05	.5
6222477	6252654	2654	5	2004	0	20	613490	6085880	13K14	2	1.57	.01	8.3	.6	.1	.05	.5
6222478	6252655	2655	5	2004	0	20	613279	6087498	13K14	2	1.30	.01	7.0	.3	.1	.05	.5
6222479	6252656	2656	5	2004	0	20	615386	6087234	13K14	2	1.34	.01	6.8	.1	.1	.05	.5
6222481	6252657	2657	5	2004	0	20	616235	6089502	13K14	2	1.66	.01	9.3	.1	.3	.05	.5
6222482	6252658	2658	5	2004	0	20	613497	6091444	13K14	2	1.94	.01	12.2	.1	.6	.05	.5
6222483	6252659	2659	5	2004	0	20	616218	6092643	13K14	2	2.37	.02	6.2	.1	.1	.05	.5
6222484	6252660	2660	5	2004	0	20	615248	6094192	13K14	2	1.45	.01	8.6	.3	.4	.05	.5
6222485	6252661	2661	5	2004	0	20	615334	6095432	13K14	2	1.02	.03	7.3	.1	.5	.05	.5
6222486	6252662	2662	5	2004	0	20	617160	6094799	13K14	2	1.60	.03	8.2	.1	.3	.05	.5
6222487	6252663	2663	5	2004	1	20	617345	6093269	13K14	34	.96	.01	28.4	3.3	1.6	.95	48.9
6222488	6252664	2664	5	2004	2	20	617345	6093269	13K14	2	.98	.03	8.8	.1	.2	.05	.5
6222489	6252665	2665	5	2004	0	20	618472	6093882	13K14	2	.87	.03	6.6	.1	.1	.05	.5
6222491	6252666	2666	5	2004	0	20	618950	6092180	13K14	2	2.69	.05	9.4	.5	.1	.05	.5

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Pw2	Siw1	SO4w1	Srw2	Tiw2	Vw2	Yw2	Znw2
6222492	6252667	2667	5	2004	0	20	619600	6088563	13K14	8	1.33	.02	8.4	.1	.1	.05	.5
6222493	6252668	2668	5	2004	0	20	617825	6087263	13K14	2	2.38	.05	9.1	.3	.1	.05	.5
6222494	6252669	2669	5	2004	0	20	619020	6086526	13K14	2	1.37	.03	11.6	.2	.3	.05	.5
6222495	6252670	2670	5	2004	0	20	618410	6085023	13K14	2	1.42	.01	9.3	.1	.1	.05	.5
6222496	6252671	2671	5	2004	0	20	616514	6083548	13K14	2	1.79	.01	12.3	.1	.1	.05	.5
6222497	6252672	2672	5	2004	0	20	618033	6081425	13K14	2	1.01	.04	5.5	.1	.1	.05	.5
6222498	6252673	2673	5	2004	0	20	619637	6081600	13K14	2	1.10	.01	8.3	.1	.1	.05	.5
6222499	6252674	2674	5	2004	0	20	620647	6082794	13K14	2	1.17	.03	5.2	.1	.1	.05	.5
6222501	6252675	2675	5	2004	0	20	621500	6084503	13K14	2	.21	.02	4.7	.3	.1	.05	1.4
6222502	6252676	2676	5	2004	0	20	622741	6082033	13K14	2	.74	.02	4.1	.1	.1	.05	.5
6222503	6252677	2677	5	2004	0	20	624759	6081379	13K14	2	.63	.04	4.8	.1	.1	.05	.5
6222504	6252678	2678	5	2004	0	20	626419	6080798	13K14	2	.55	.03	3.7	.1	.1	.05	.5
6222505	6252679	2679	5	2004	0	20	624959	6083635	13K14	2	.47	.04	3.1	.2	.1	.05	.5
6222506	6252680	2680	5	2004	0	20	626738	6083579	13K14	2	.46	.02	4.3	.1	.1	.05	.5
6222507	6252681	2681	5	2004	0	20	627222	6085096	13K14	2	.66	.01	4.4	.1	.1	.05	.5
6222508	6252682	2682	5	2004	0	20	625513	6085380	13K14	2	.96	.03	5.7	.1	.1	.05	.5
6222509	6252683	2683	5	2004	0	20	624413	6087514	13K14	2	1.39	.02	5.8	.1	.1	.05	.5
6222511	6252684	2684	5	2004	1	20	622752	6087510	13K14	2	1.33	.04	8.7	.1	.1	.05	.5
6222512	6252685	2685	5	2004	2	20	622752	6087510	13K14	2	1.33	.03	8.9	.1	.1	.05	.5
6222513	6252686	2686	5	2004	0	20	604511	6044449	13K11	2	1.57	.04	9.6	.7	.1	.05	.5
6222514	6252687	2687	5	2004	0	20	605208	6045507	13K11	2	.98	.03	22.4	.4	.6	.05	.5
6222515	6252688	2688	5	2004	0	20	606174	6044903	13K11	2	1.40	.03	9.7	.7	.3	.05	3.3
6222516	6252689	2689	5	2004	0	20	606740	6045747	13K11	2	1.33	.02	11.1	.4	.6	.05	.5
6222517	6252690	2690	5	2004	0	20	610332	6043879	13K11	2	2.04	.01	12.5	.2	1.3	.05	.5
6222518	6252691	2691	5	2004	0	20	611187	6044298	13K11	2	1.02	.01	22.0	.2	.4	.05	.5
6222521	6252693	2693	5	2004	0	20	614148	6043712	13K11	2	1.06	.03	10.9	.4	.3	.05	.5
6222522	6252694	2694	5	2004	0	20	615929	6044100	13K11	2	1.01	.03	10.2	.3	.5	.05	2.0
6222523	6252695	2695	5	2004	0	20	618562	6044372	13K11	2	1.19	.05	20.0	.4	.3	.05	.5
6222524	6252696	2696	5	2004	0	20	618721	6045413	13K11	2	1.02	.04	12.2	.3	.3	.05	.5
6222525	6252697	2697	5	2004	0	20	622906	6044977	13K11	2	1.15	.02	15.7	.1	.1	.05	.5
6222526	6252698	2698	5	2004	0	20	624840	6044333	13K11	2	.21	.01	4.9	.1	.1	.05	.5
6222527	6252699	2699	5	2004	0	20	624836	6046247	13K11	2	1.13	.05	6.8	.1	.1	.05	.5
6222528	6252700	2700	5	2004	0	20	623327	6046848	13K11	2	1.04	.01	6.1	.3	.2	.05	.5
6222529	6252701	2701	5	2004	0	20	625730	6048234	13K11	2	1.18	.03	6.9	.1	.4	.05	.5
6222531	6252702	2702	5	2004	0	20	623984	6048536	13K11	2	1.12	.01	5.7	.4	.2	.05	.5
6222532	6252703	2703	5	2004	0	20	620837	6048606	13K11	2	1.90	.03	14.4	.3	.6	.05	.5
6222533	6252704	2704	5	2004	0	20	620220	6046712	13K11	2	.93	.04	11.8	.3	.1	.05	.5
6222534	6252705	2705	5	2004	1	20	618482	6047458	13K11	2	.83	.01	7.8	.1	.2	.05	.5
6222535	6252706	2706	5	2004	2	20	618482	6047458	13K11	2	.82	.03	7.9	.1	.1	.05	.5
6222536	6252707	2707	5	2004	0	20	615784	6046708	13K11	2	1.33	.03	9.0	.2	.2	.05	.5
6222537	6252708	2708	5	2004	0	20	613725	6046145	13K11	2	1.61	.05	10.6	.1	.1	.05	.5
6222538	6252709	2709	5	2004	0	20	610999	6048567	13K11	2	1.73	.15	21.6	.2	.2	.05	.5
6222539	6252710	2710	5	2004	0	20	612077	6050722	13K11	2	1.42	.06	7.0	.1	.1	.05	.5
6222541	6252711	2711	5	2004	0	20	614595	6049079	13K11	2	.26	.04	2.8	.1	.3	.05	.5
6222542	6252712	2712	5	2004	0	20	615893	6050426	13K11	6	2.22	.05	10.2	.4	.6	.05	.5
6222543	6252713	2713	5	2004	0	20	618347	6051927	13K11	10	.72	.05	5.5	.2	.1	.05	.5
6222544	6252714	2714	5	2004	0	20	620255	6051999	13K11	2	1.03	.04	6.4	.3	.1	.05	.5
6222545	6252715	2715	5	2004	0	20	621245	6053026	13K11	2	.81	.04	5.4	.1	.1	.05	.5

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Pw2	Siw1	SO4w1	Srw2	Tiw2	Vw2	Yw2	Znw2
6222546	6252716	2716	5	2004	0	20	622371	6050606	13K11	2	2.20	.04	6.8	.2	.1	.05	.5
6222547	6252717	2717	5	2004	0	20	625892	6051900	13K11	2	1.85	.01	8.7	.3	.1	.05	1.1
6222548	6252718	2718	5	2004	0	20	627954	6057784	13K11	2	.49	.01	5.1	.3	.1	.05	4.3
6222549	6252719	2719	5	2004	0	20	625948	6057629	13K11	2	.52	.05	5.2	.2	.1	.05	.5
6222551	6252720	2720	5	2004	0	20	626516	6058440	13K11	2	.48	.01	5.5	.2	.1	.05	.5
6222552	6252721	2721	5	2004	0	20	626255	6059306	13K11	2	.77	.02	4.3	.1	.1	.05	.5
6222553	6252722	2722	5	2004	0	20	628588	6060943	13K11	2	.87	.01	6.4	.5	.1	.05	.5
6222554	6252723	2723	5	2004	0	20	625557	6060521	13K11	2	.49	.03	4.8	.1	.1	.05	.5
6222555	6252724	2724	5	2004	0	20	626958	6063012	13K11	2	.58	.01	4.1	.1	.1	.05	.5
6222556	6252725	2725	5	2004	0	20	628611	6064379	13K11	7	.59	.01	4.3	.2	.1	.05	.5
6222557	6252726	2726	5	2004	1	20	628693	6067481	13K11	2	1.06	.01	5.5	.1	.1	.05	.5
6222558	6252727	2727	5	2004	2	20	628693	6067481	13K11	2	1.05	.01	5.1	.1	.1	.05	5.3
6222559	6252728	2728	5	2004	0	20	626396	6064885	13K11	2	.86	.01	4.5	.1	.1	.05	.5
6222561	6252729	2729	5	2004	0	20	624623	6063926	13K11	2	.72	.01	3.8	.4	.1	.05	1.0
6222562	6252730	2730	5	2004	0	20	624030	6067389	13K11	19	.20	.01	4.5	.1	.1	.05	.5
6222563	6252731	2731	5	2004	0	20	620005	6067679	13K11	2	1.47	.01	7.3	.3	.1	.05	2.5
6222564	6252732	2732	5	2004	0	20	618060	6066551	13K11	2	.82	.01	4.5	.1	.1	.05	1.1
6222565	6252733	2733	5	2004	0	20	616894	6066551	13K11	2	.73	.01	4.2	.3	.1	.05	2.1
6222566	6252734	2734	5	2004	0	20	614178	6066473	13K11	2	.87	.01	3.1	.3	.1	.05	.5
6222567	6252735	2735	5	2004	0	20	612705	6066764	13K11	2	1.79	.01	6.3	.1	.1	.05	3.1
6222568	6252736	2736	5	2004	0	20	608774	6067763	13K11	2	1.88	.01	6.1	.1	.1	.05	.5
6222569	6252737	2737	5	2004	0	20	612880	6063249	13K11	2	.47	.01	3.4	.2	.1	.05	.5
6222571	6252738	2738	5	2004	0	20	615325	6064084	13K11	8	.21	.01	3.2	.3	.1	.05	.5
6222572	6252739	2739	5	2004	0	20	620228	6065970	13K11	2	1.21	.01	6.6	.3	.1	.05	.5
6222573	6252740	2740	5	2004	1	20	621671	6065092	13K11	2	1.33	.01	8.7	.1	.1	.05	.5
6222574	6252741	2741	5	2004	2	20	621671	6065092	13K11	2	1.32	.01	10.6	.1	.1	.05	1.1
6222575	6252742	2742	5	2004	0	20	624044	6061915	13K11	2	.44	.01	3.7	.3	.1	.05	.5
6222576	6252743	2743	5	2004	0	20	622542	6062121	13K11	2	1.24	.01	6.4	.1	.1	.05	.5
6222577	6252744	2744	5	2004	0	20	620607	6063636	13K11	2	.59	.01	6.3	.3	.1	.05	.5
6222578	6252745	2745	5	2004	0	20	618227	6062240	13K11	2	.47	.01	4.0	.1	.1	.05	.5
6222579	6252746	2746	5	2004	0	20	616450	6062354	13K11	7	.13	.01	2.6	.1	.1	.05	.5
6222581	6252747	2747	5	2004	0	20	614200	6061750	13K11	9	.13	.01	2.3	.2	.1	.05	.5
6222582	6252748	2748	5	2004	0	20	612183	6061598	13K11	2	1.31	.01	4.5	.1	.1	.05	.5
6222583	6252749	2749	5	2004	0	20	613424	6060199	13K11	5	1.19	.01	5.6	.2	.1	.05	.5
6222584	6252750	2750	5	2004	0	20	616406	6061037	13K11	2	.42	.01	4.9	.1	.1	.05	.5
6222585	6252751	2751	5	2004	0	20	618120	6059923	13K11	2	.79	.01	4.0	.1	.1	.05	.5
6222586	6252752	2752	5	2004	0	20	620150	6062578	13K11	2	1.08	.01	5.1	.2	.1	.05	.5
6222587	6252753	2753	5	2004	0	20	620880	6060316	13K11	12	.56	.01	9.7	.4	.3	.05	9.0
6222588	6252754	2754	5	2004	0	20	622165	6060390	13K11	6	1.03	.01	5.5	1.3	.1	.05	.5
6222589	6252755	2755	5	2004	0	20	622369	6057957	13K11	8	.61	.01	4.9	.5	.1	.05	.5
6222591	6252756	2756	5	2004	0	20	621246	6057199	13K11	12	.25	.01	6.0	.8	.1	.05	.5
6222592	6252757	2757	5	2004	0	20	618003	6058085	13K11	7	.40	.01	4.0	.4	.1	.05	.5
6222593	6252758	2758	5	2004	1	20	616068	6057000	13K11	2	.95	.01	4.6	.1	.1	.05	.5
6222594	6252759	2759	5	2004	2	20	616068	6057000	13K11	8	.93	.01	4.8	.1	.1	.05	.5
6222595	6252760	2760	5	2004	0	20	613943	6057543	13K11	2	1.12	.01	5.3	.1	.1	.05	.5
6222596	6252761	2761	5	2004	0	20	612092	6059807	13K11	2	1.43	.01	6.5	.1	.1	.05	.5
6222597	6252762	2762	5	2004	0	20	610350	6057184	13K11	2	1.43	.01	6.6	.1	.1	.05	.5
6222598	6252763	2763	5	2004	0	20	608975	6059330	13K11	2	1.46	.01	7.0	.2	.1	.05	.5

labnum	fldnum	subnum	samptype	sampyear	sitedup	utmzone	utmeast	utmnorth	nts	Pw2	Siw1	SO4w1	Srw2	Tiw2	Vw2	Yw2	Znw2
6222599	6252764	2764	5	2004	0	20	606952	6059273	13K11	2	1.27	.01	5.7	.1	.1	.05	.5
6222601	6252765	2765	5	2004	0	20	604659	6058265	13K11	5	1.46	.01	6.3	.1	.1	.05	.5
6222602	6252766	2766	5	2004	0	20	601642	6058654	13K11	15	1.66	.01	7.3	.1	.1	.05	5.4
6222603	6252767	2767	5	2004	0	20	600194	6059955	13K11	8	1.61	.01	6.6	.1	.1	.05	1.0
6222604	6252768	2768	5	2004	0	20	599941	6061996	13K11	2	.75	.01	4.7	.1	.1	.05	.5
6222605	6252769	2769	5	2004	0	20	599708	6063486	13K11	6	1.76	.01	7.7	.3	.2	.05	.5
6222606	6252770	2770	5	2004	0	20	607290	6050972	13K11	12	.65	.01	13.3	.2	.1	.05	.5
6222607	6252771	2771	5	2004	0	20	607421	6052996	13K11	8	.80	.01	7.4	.3	.1	.05	.5
6222608	6252772	2772	5	2004	0	20	604696	6052880	13K11	6	1.18	.01	6.6	.2	.1	.05	.5
6222609	6252773	2773	5	2004	0	20	604702	6051715	13K11	5	.83	.01	6.0	.2	.1	.05	.5
6222611	6252774	2774	5	2004	0	20	603247	6050149	13K11	9	1.97	.01	14.6	.2	.1	.05	.5
6222612	6252775	2775	5	2004	0	20	602740	6051780	13K11	2	1.51	.01	7.8	.3	.1	.05	.5
6222613	6252776	2776	5	2004	0	20	601214	6052663	13K11	5	1.50	.01	8.5	.2	.1	.05	.5
6222614	6252777	2777	5	2004	0	20	601128	6050628	13K11	9	.29	.01	8.8	.2	.1	.05	.5
6222615	6252778	2778	5	2004	0	20	596961	6049839	13K11	7	.16	.01	5.1	.2	.1	.05	.5
6222616	6252779	2779	5	2004	0	20	598805	6052240	13K11	7	1.47	.01	8.3	.1	.1	.05	.5
6222617	6252780	2780	5	2004	1	20	598519	6055273	13K11	2	1.37	.01	5.9	.1	.1	.05	.5
6222618	6252781	2781	5	2004	2	20	598519	6055273	13K11	2	1.38	.01	5.9	.2	.1	.05	.5
6222619	6252782	2782	5	2004	0	20	599677	6055357	13K11	5	1.34	.01	5.8	.2	.1	.05	.5
6222621	6252783	2783	5	2004	0	20	601932	6055145	13K11	5	1.27	.01	6.5	.1	.1	.05	.5
6222622	6252784	2784	5	2004	0	20	603275	6054939	13K11	2	1.23	.01	5.6	.3	.1	.05	.5
6222623	6252785	2785	5	2004	0	20	606018	6054073	13K11	2	1.24	.01	6.2	.3	.1	.05	.5
6222624	6252786	2786	5	2004	0	20	607538	6054188	13K11	7	.71	.01	5.0	.5	.1	.05	.5
6222625	6252787	2787	5	2004	0	20	607501	6057440	13K11	2	1.47	.01	6.4	.6	.1	.05	.5
6222626	6252788	2788	5	2004	0	20	604055	6056924	13K11	14	.84	.01	6.3	.3	.1	.05	.5
6222627	6252789	2789	5	2004	0	20	602857	6056136	13K11	2	.96	.01	5.0	.1	.1	.05	.5
6222628	6252790	2790	5	2004	0	20	600388	6056698	13K11	7	1.62	.01	6.4	.1	.1	.05	.5
6222629	6252791	2791	5	2004	0	20	598414	6057686	13K11	2	1.51	.01	6.6	.1	.1	.05	.5
6222631	6252792	2792	5	2004	0	20	597550	6059064	13K11	6	1.32	.01	5.4	.1	.1	.05	1.5
6222632	6252793	2793	5	2004	0	20	598002	6060674	13K11	2	.97	.01	4.5	.2	.1	.05	.5

* N.A. indicates not analyzed.