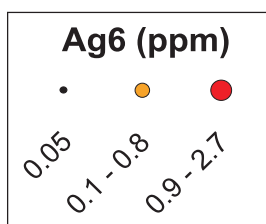
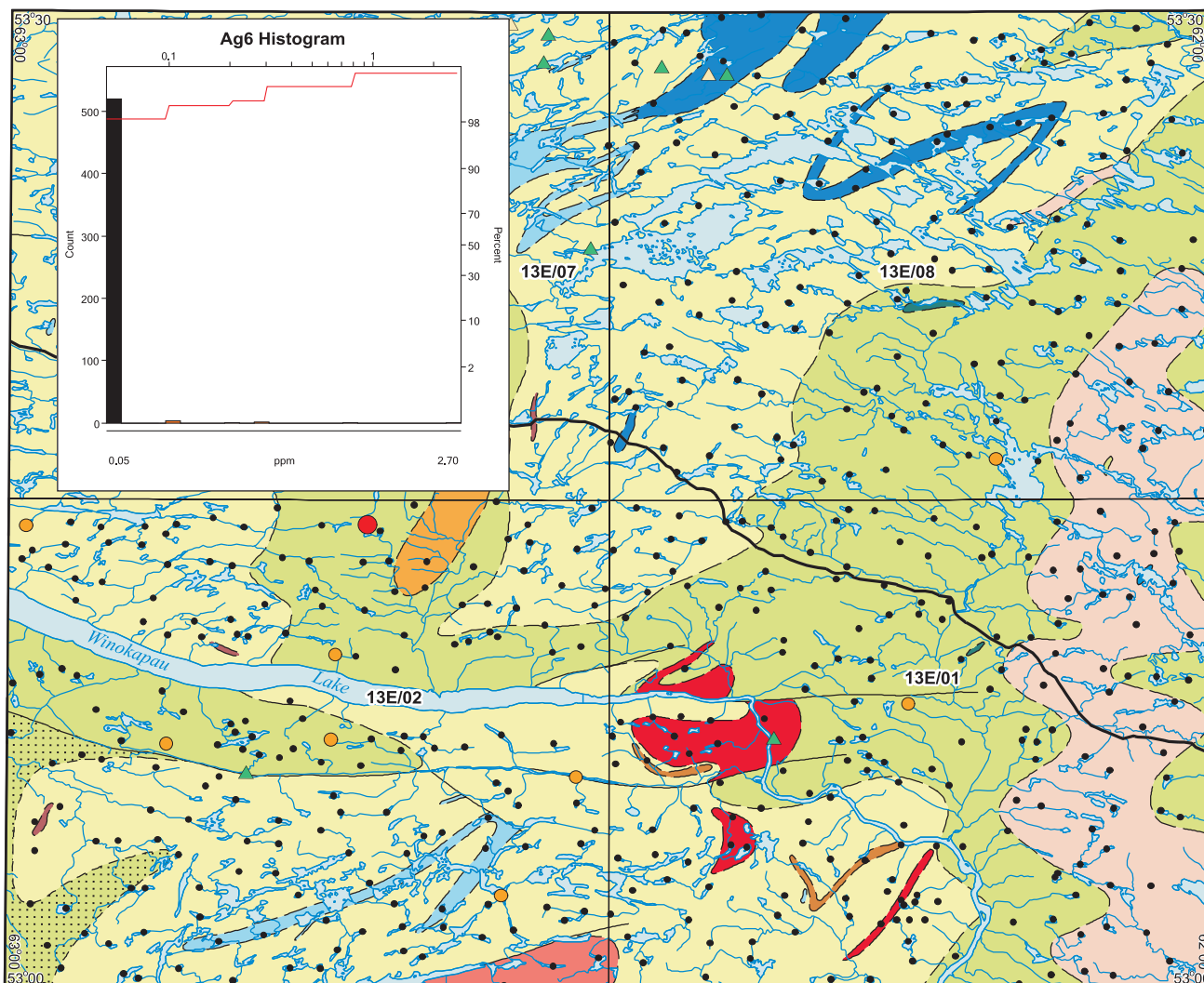


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Mineralization

- ▲ Copper
- △ Pyrite



— Trans-Labrador Highway

GEOLOGY

Mesoproterozoic or older

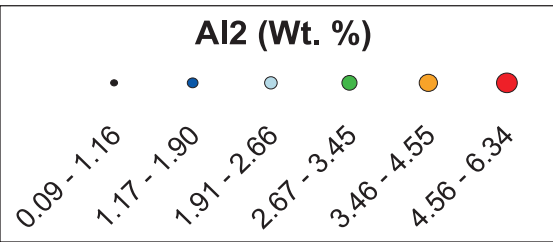
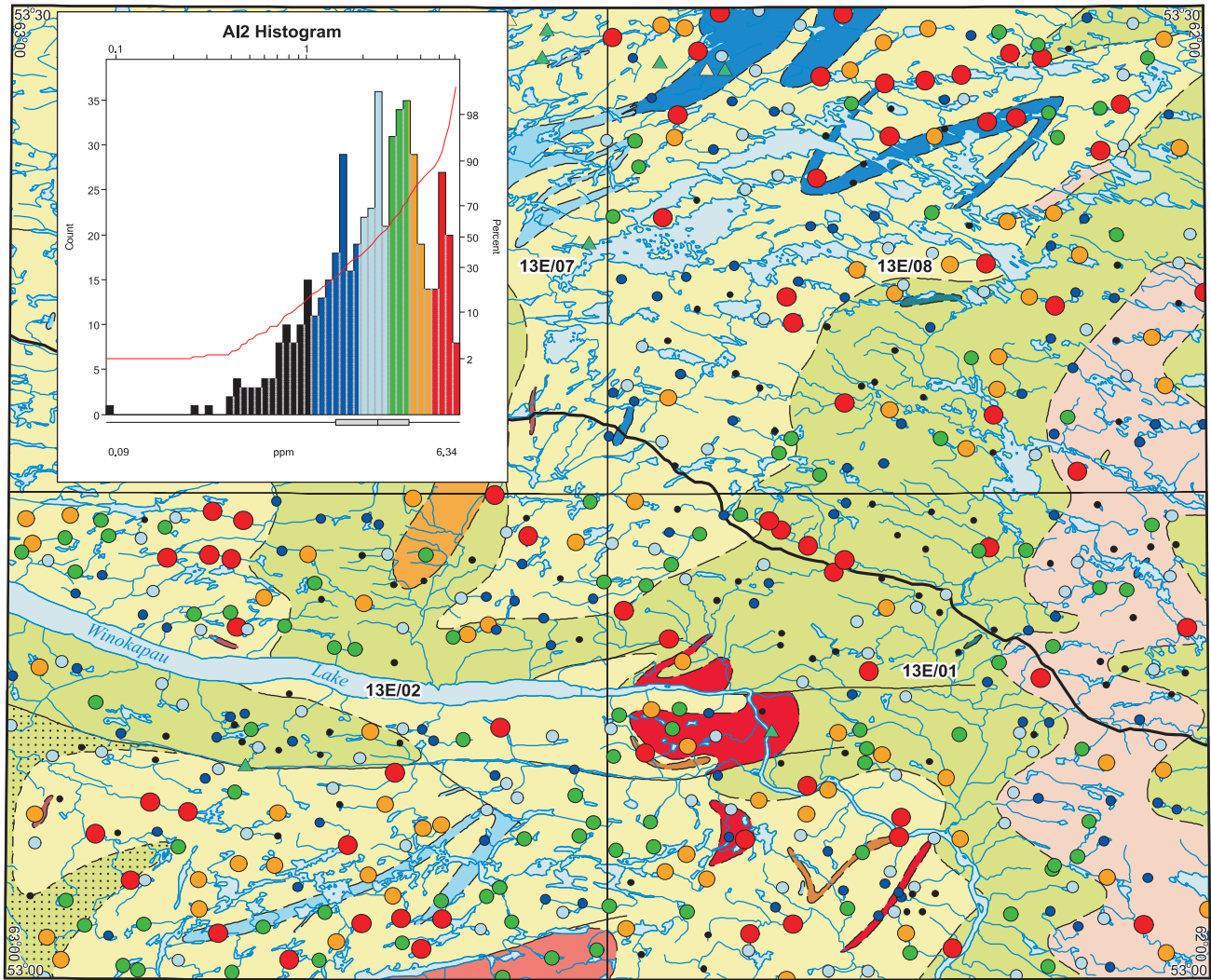
- Pg** Foliated gabbro/quartz gabbro
- Pgrd** Wilson Lake granodiorite
- Pmg** Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
- Pogn** Banded- to augen-textured pink, migmatitic feldspar orthogneiss; **Pognh** is the same unit with hypersthene
- Pum** Pyroxene, magnetite-bearing ultramafic rocks
- Pmgns** Beaver River gneiss: well-banded, mafic orthogneiss
- Pwgn** Gabbronorite

Paleoproterozoic or older

Disappointment Lake paragneiss (Apm to Am)

- Am** White marble
- Awph** Welded granulite facies quartzofeldspathic paragneiss
- Aod** Banded diorite to quartz diorite within unit Apm
- Apm?** Probably unit Apm
- Apm** Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 39. Silver (Ag6) in lake sediment in the Winokapau Lake area.



GEOLOGY

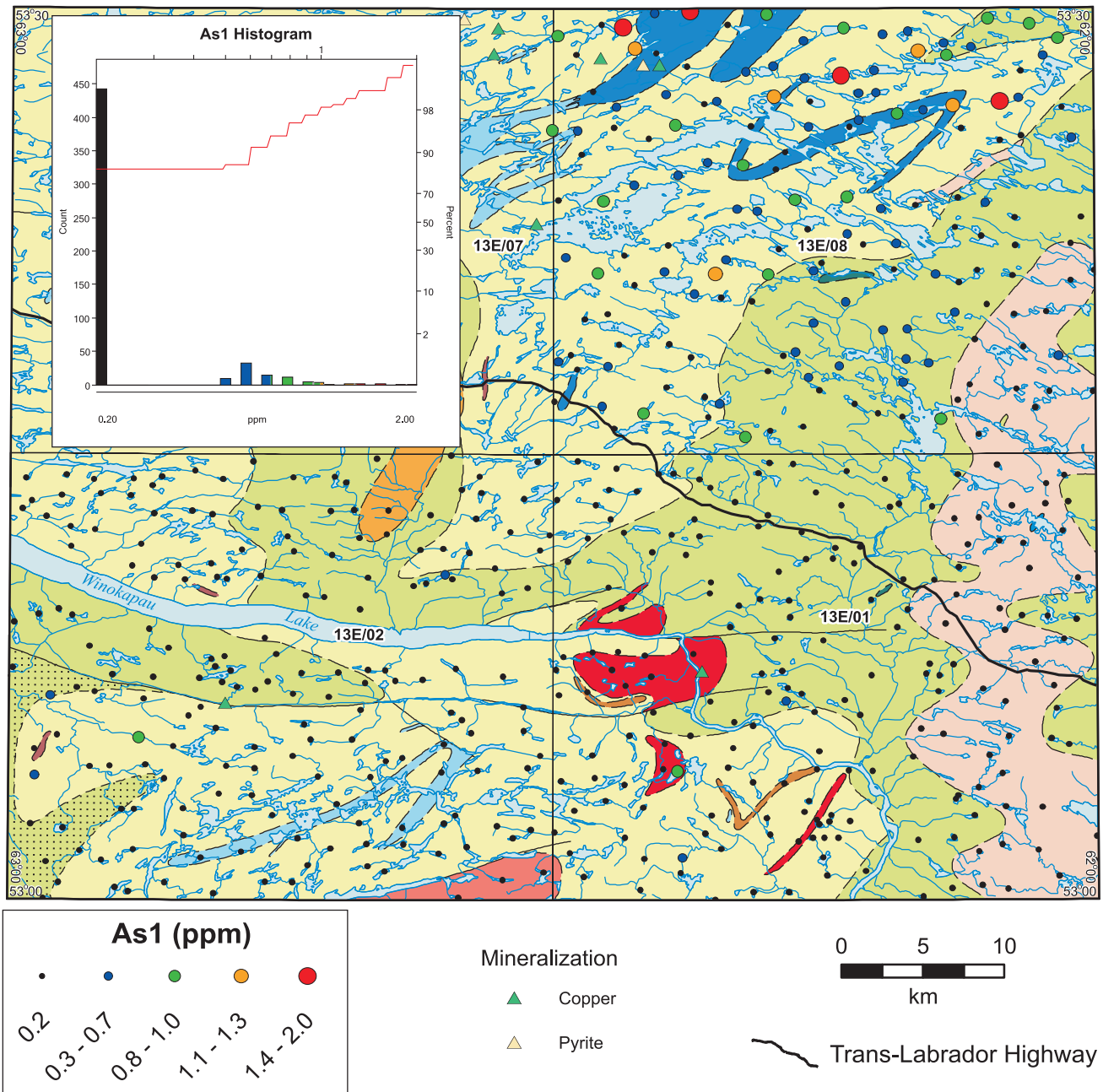
Mesoproterozoic or older

- Pg** Foliated gabbro/quartz gabbro
- Pgrd** Wilson Lake granodiorite
- Pmg** Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
- Pogn** Banded- to augen-textured pink, migmatitic feldspar orthogneiss; **Pognh** is the same unit with hypersthene
- Pum** Pyroxene, magnetite-bearing ultramafic rocks
- Pmgns** Beaver River gneiss: well-banded, mafic orthogneiss
- Pwgn** Gabbronorite

Paleoproterozoic or older

- Disappointment Lake paragneiss (Apm to Am)**
- Am** White marble
- Awph** Welded granulite facies quartzofeldspathic paragneiss
- Aod** Banded diorite to quartz diorite within unit Apm
- Apm?** Probably unit Apm
- Apm** Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 40. Aluminum (Al₂) in lake sediment in the Winokapau Lake area.



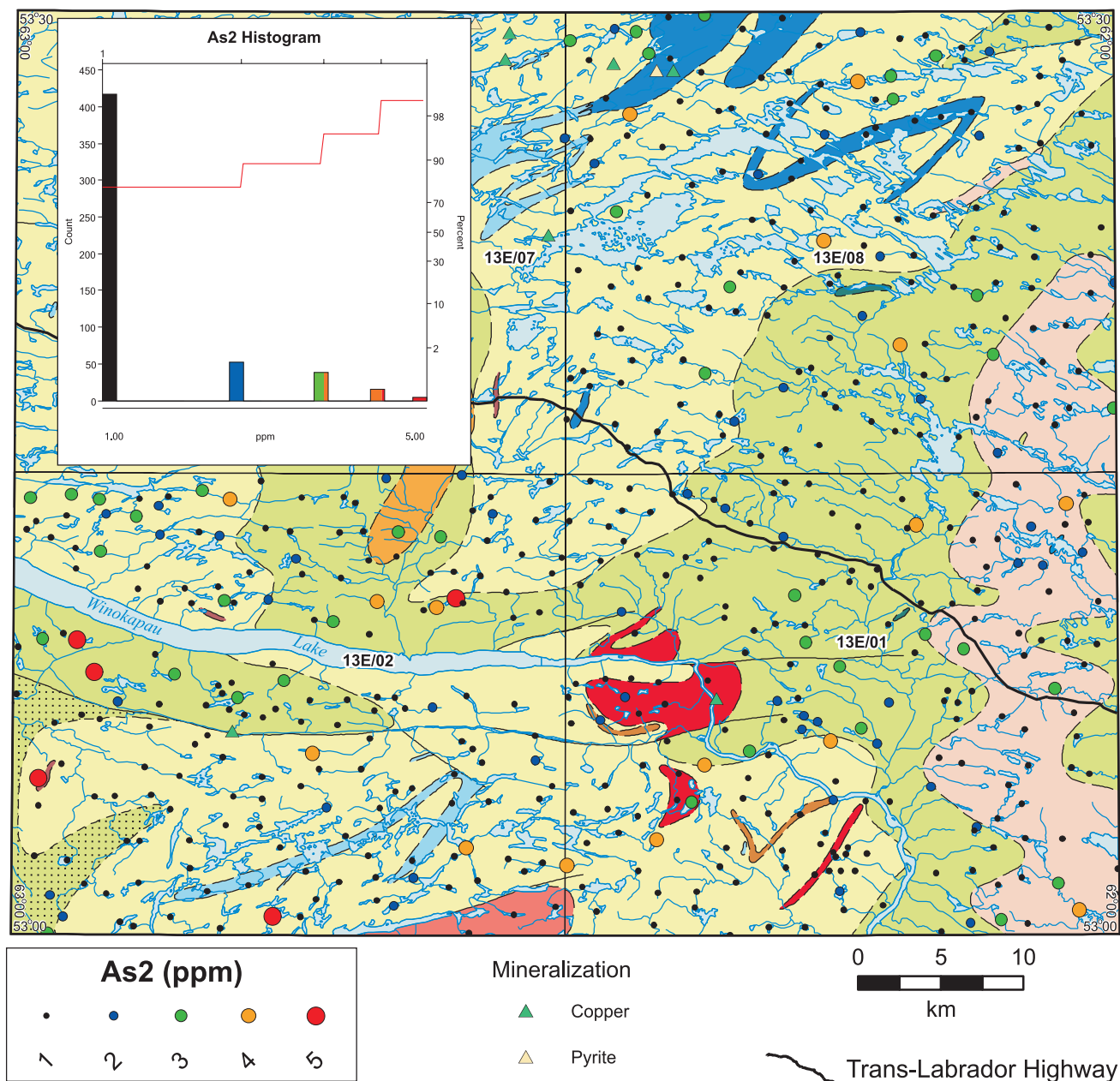
Mesoproterozoic or older

- Pg** Foliated gabbro/quartz gabbro
- Pgrd** Wilson Lake granodiorite
- Pmg** Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
- Pogn** Banded- to augen-textured pink, migmatitic feldspar orthogneiss; **Pognh** is the same unit with hypersthene
- Pum** Pyroxene, magnetite-bearing ultramafic rocks
- Pmgns** Beaver River gneiss: well-banded, mafic orthogneiss
- Pwgn** Gabbronorite

Paleoproterozoic or older

- Disappointment Lake paragneiss (Apm to Am)**
- Am** White marble
 - Awph** Welded granulite facies quartzofeldspathic paragneiss
 - Aod** Banded diorite to quartz diorite within unit Apm
 - Apm?** Probably unit Apm
 - Apm** Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 41. Arsenic (*As1*) in lake sediment in the Winokapau Lake area.



GEOLOGY

Mesoproterozoic or older

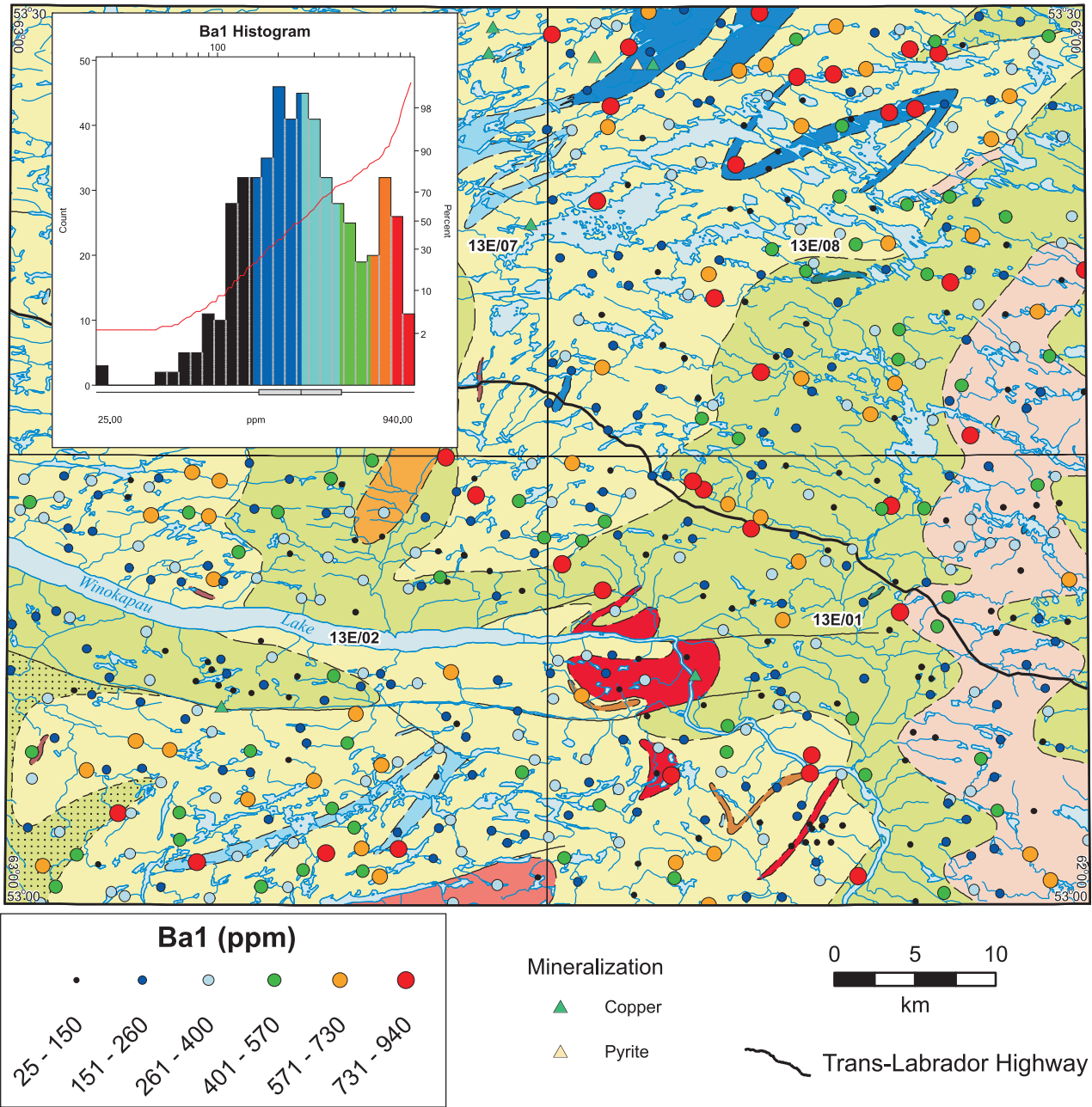
Pg	Foliated gabbro/quartz gabbro
Pgrd	Wilson Lake granodiorite
Pmg	Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
Pogn	Banded- to augen-textured pink, migmatitic feldspar orthogneiss; Pognh is the same unit with hypersthene
Pum	Pyroxene, magnetite-bearing ultramafic rocks
Pmgns	Beaver River gneiss: well-banded, mafic orthogneiss
Pwgn	Gabbronorite

Paleoproterozoic or older

Disappointment Lake paragneiss (Apm to Am)

Am	White marble
Awph	Welded granulite facies quartzofeldspathic paragneiss
Aod	Banded diorite to quartz diorite within unit Apm
Apm?	Probably unit Apm
Apm	Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 42. Arsenic (*As₂*) in lake sediment in the Winokapau Lake area.



GEOLOGY

Mesoproterozoic or older

Pg	Foliated gabbro/quartz gabbro
Pgrd	Wilson Lake granodiorite
Pmg	Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
Pogn	Banded- to augen-textured pink, migmatitic feldspar orthogneiss; Pognh is the same unit with hypersthene
Pum	Pyroxene, magnetite-bearing ultramafic rocks
Pmgns	Beaver River gneiss: well-banded, mafic orthogneiss
Pwgn	Gabbronorite

Paleoproterozoic or older

Disappointment Lake paragneiss (Apm to Am)

Am	White marble
Awph	Welded granulite facies quartzfeldspathic paragneiss
Aod	Banded diorite to quartz diorite within unit Apm
Apm?	Probably unit Apm
Apm	Middle to upper amphibolite facies quartzfeldspathic paragneiss

Figure 43. Barium (*Ba1*) in lake sediment in the Winokapau Lake area.

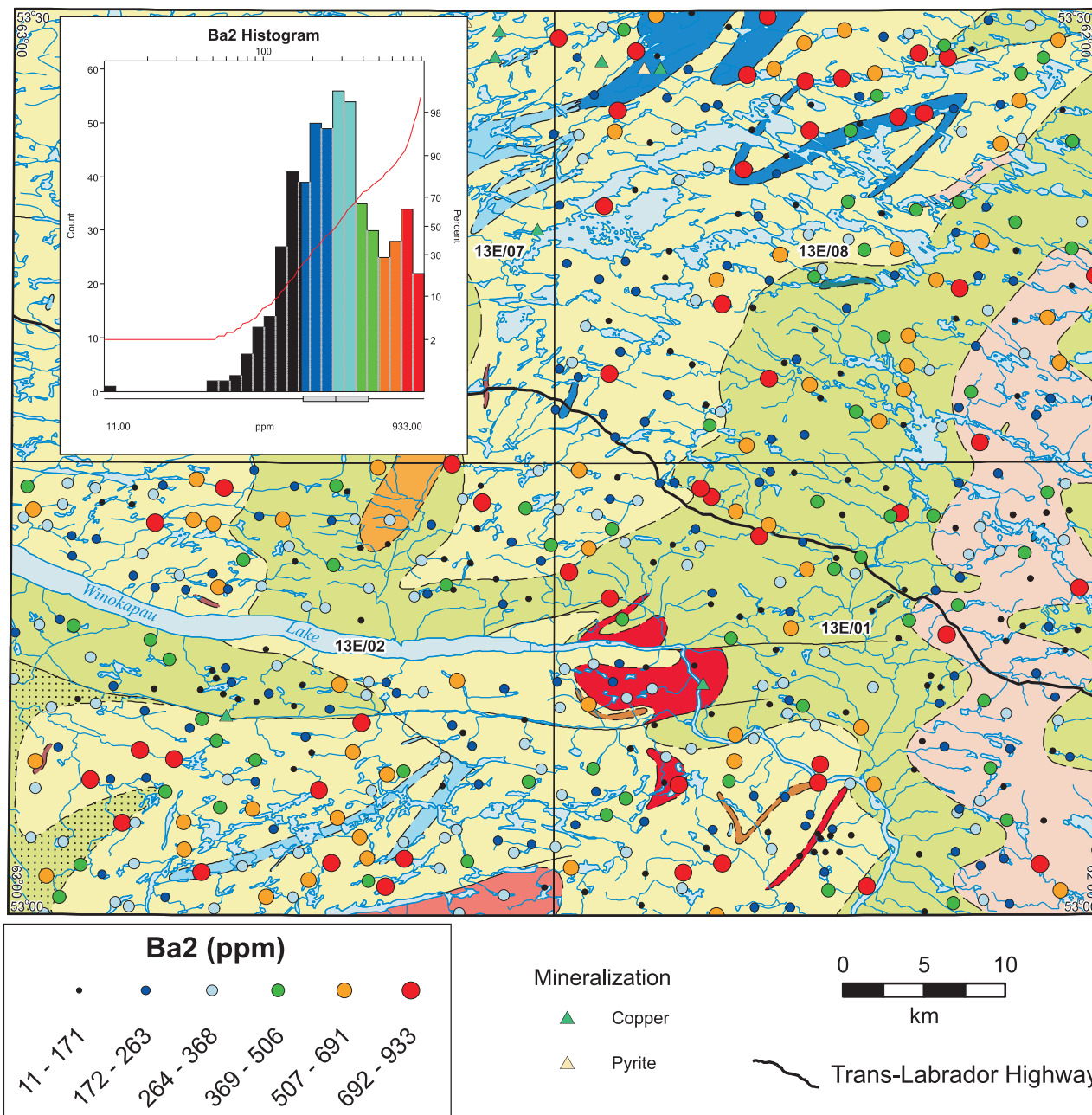
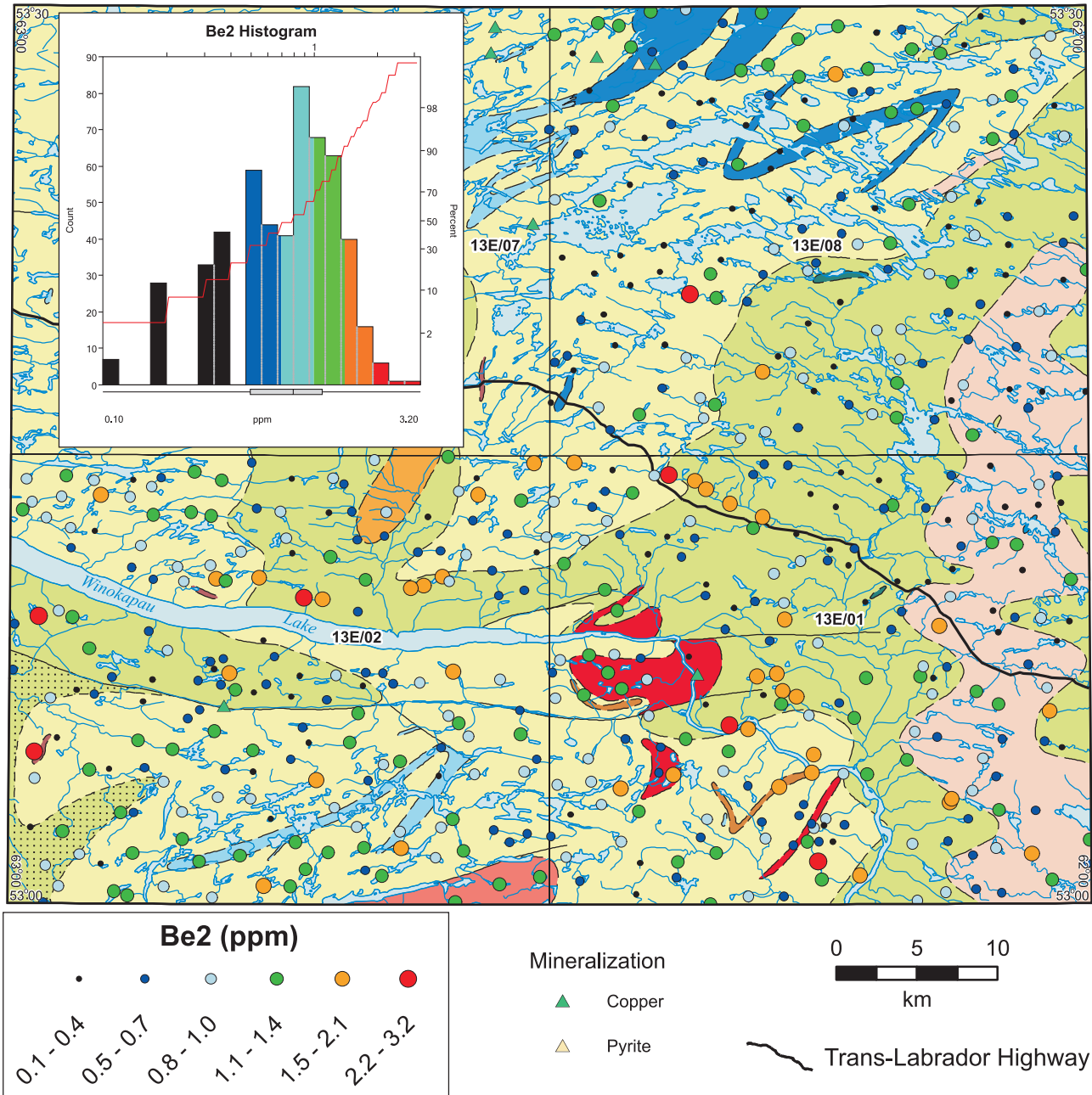


Figure 44. Barium (Ba₂) in lake sediment in the Winokapau Lake area.



GEOLOGY

Mesoproterozoic or older

Pg	Foliated gabbro/quartz gabbro
Pgrd	Wilson Lake granodiorite
Pmg	Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
Pogn	Banded- to augen-textured pink, migmatitic feldspar orthogneiss; Pognh is the same unit with hypersthene
Pum	Pyroxene, magnetite-bearing ultramafic rocks
Pmgns	Beaver River gneiss: well-banded, mafic orthogneiss
Pwgn	Gabbronorite

Paleoproterozoic or older

Disappointment Lake paragneiss (Apm to Am)

Am	White marble
Awph	Welded granulite facies quartzofeldspathic paragneiss
Aod	Banded diorite to quartz diorite within unit Apm
Apm?	Probably unit Apm
Apm	Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 45. Beryllium (*Be*₂) in lake sediment in the Winokapau Lake area.

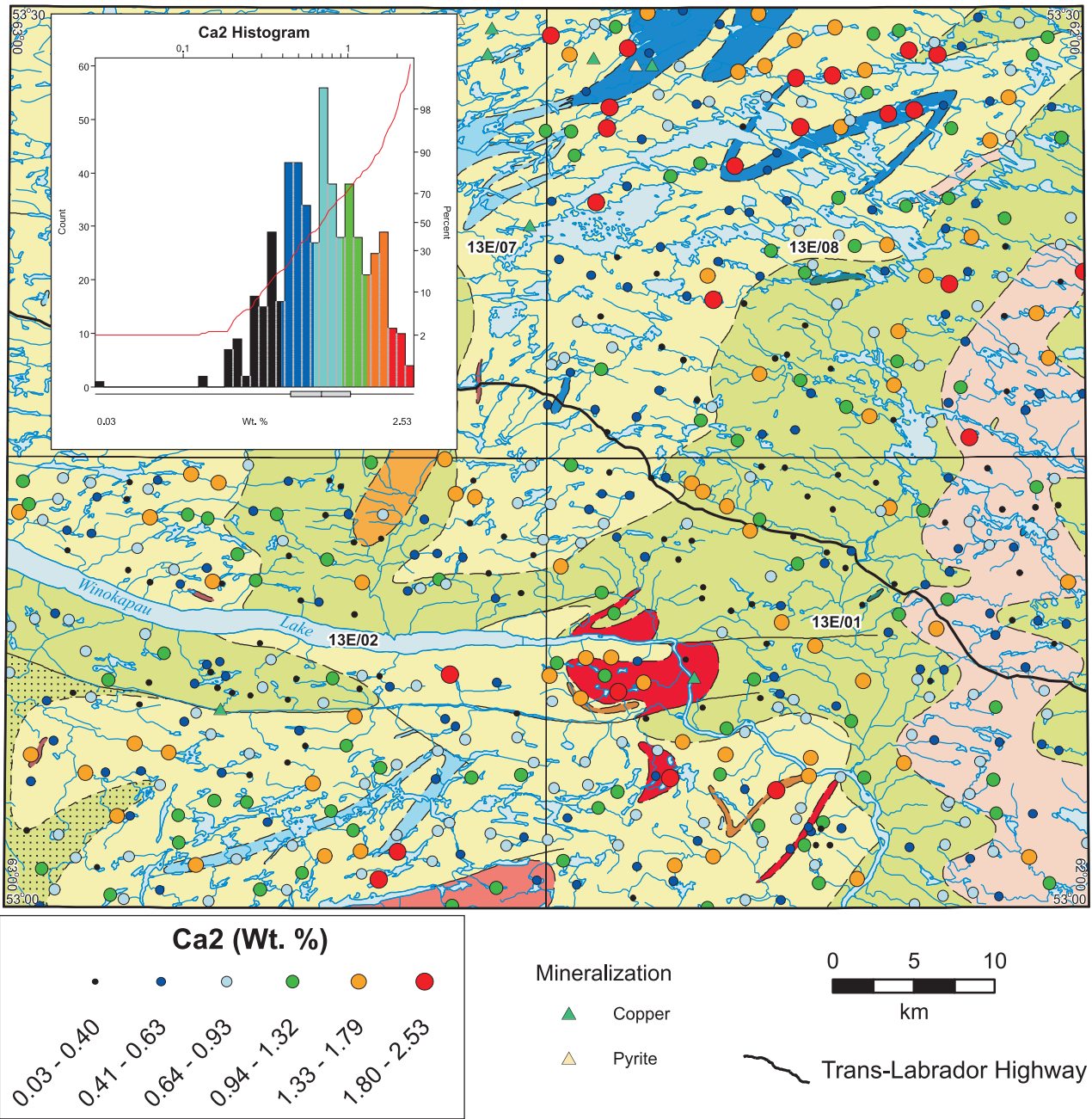


Figure 47. Calcium (Ca₂) in lake sediment in the Winokapau Lake area.

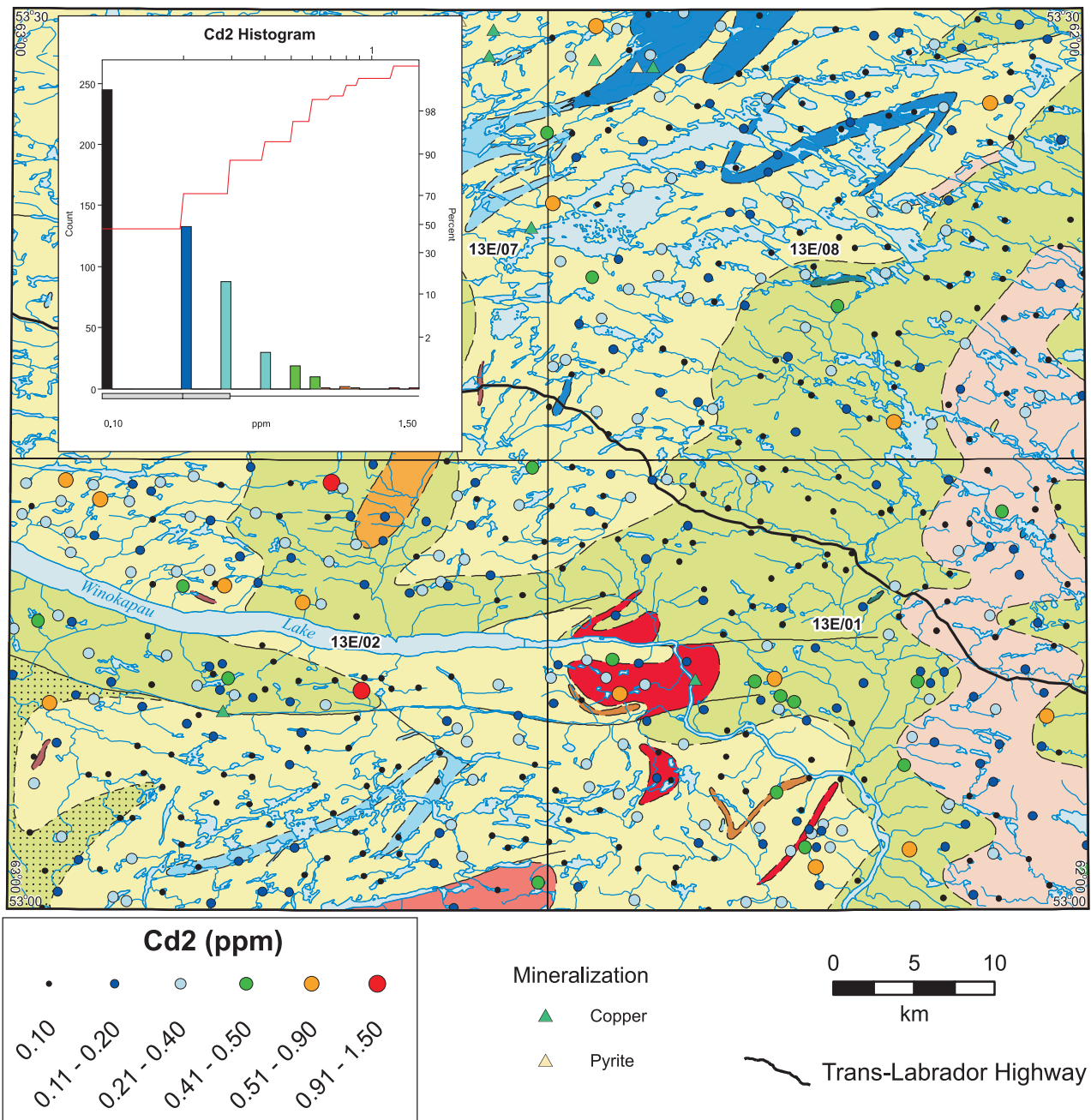


Figure 48. Cadmium (*Cd*₂) in lake sediment in the Winokapau Lake area.

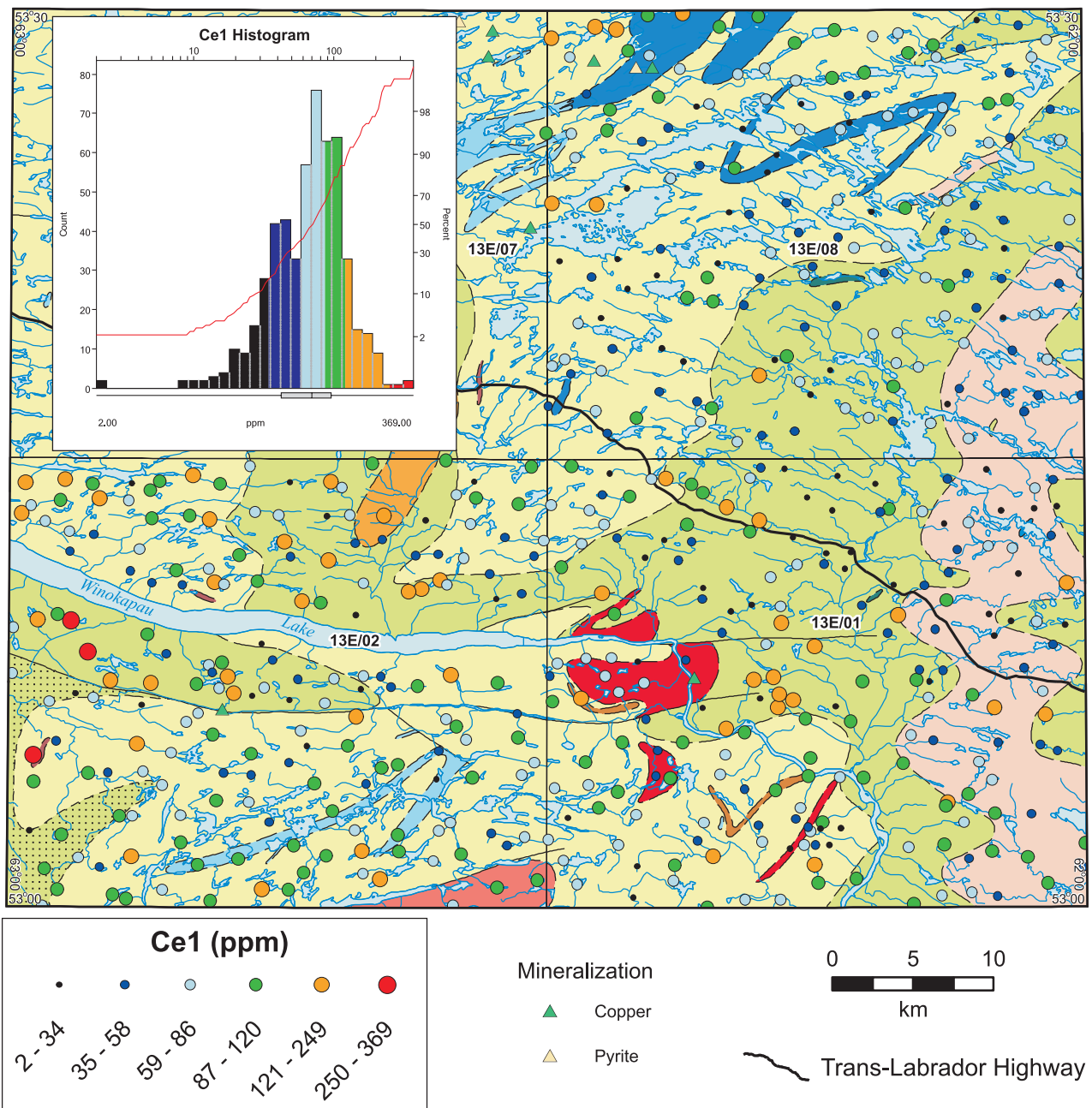
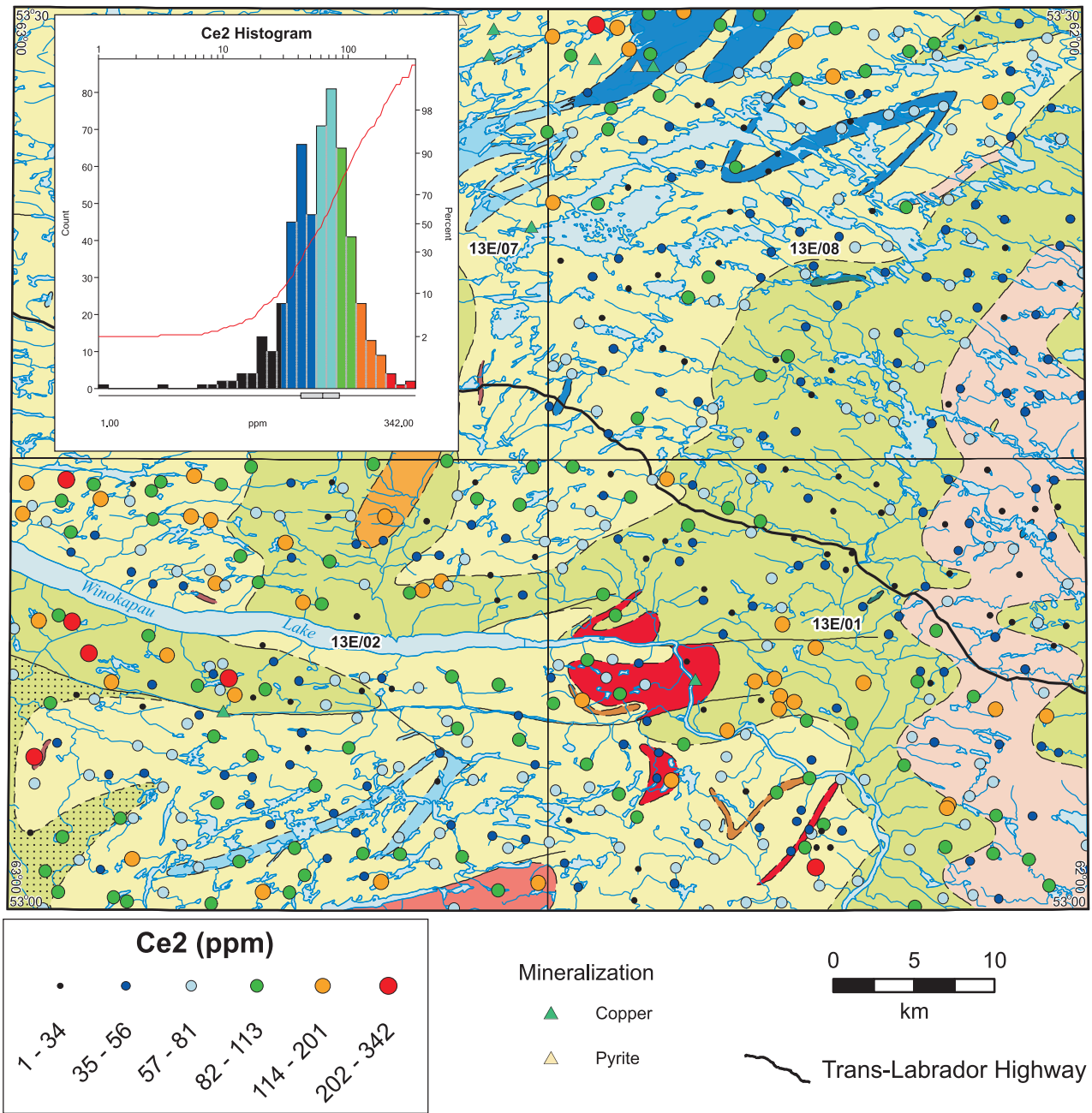


Figure 49. Cerium (Ce1) in lake sediment in the Winokapau Lake area.



Mesoproterozoic or older

- Pg Foliated gabbro/quartz gabbro
- Pgrd Wilson Lake granodiorite
- Pmg Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
- Pogn Banded- to augen-textured pink, migmatitic feldspar orthogneiss; **Pognh** is the same unit with hypersthene
- Pum Pyroxene, magnetite-bearing ultramafic rocks
- Pmgn Beaver River gneiss: well-banded, mafic orthogneiss
- Pwgn Gabbronorite

Paleoproterozoic or older

- Disappointment Lake paragneiss (Apm to Am)
- Am White marble
 - Awph Welded granulite facies quartzofeldspathic paragneiss
 - Aod Banded diorite to quartz diorite within unit Apm
 - Apm? Probably unit Apm
 - Apm Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 50. Cerium (Ce₂) in lake sediment in the Winokapau Lake area.

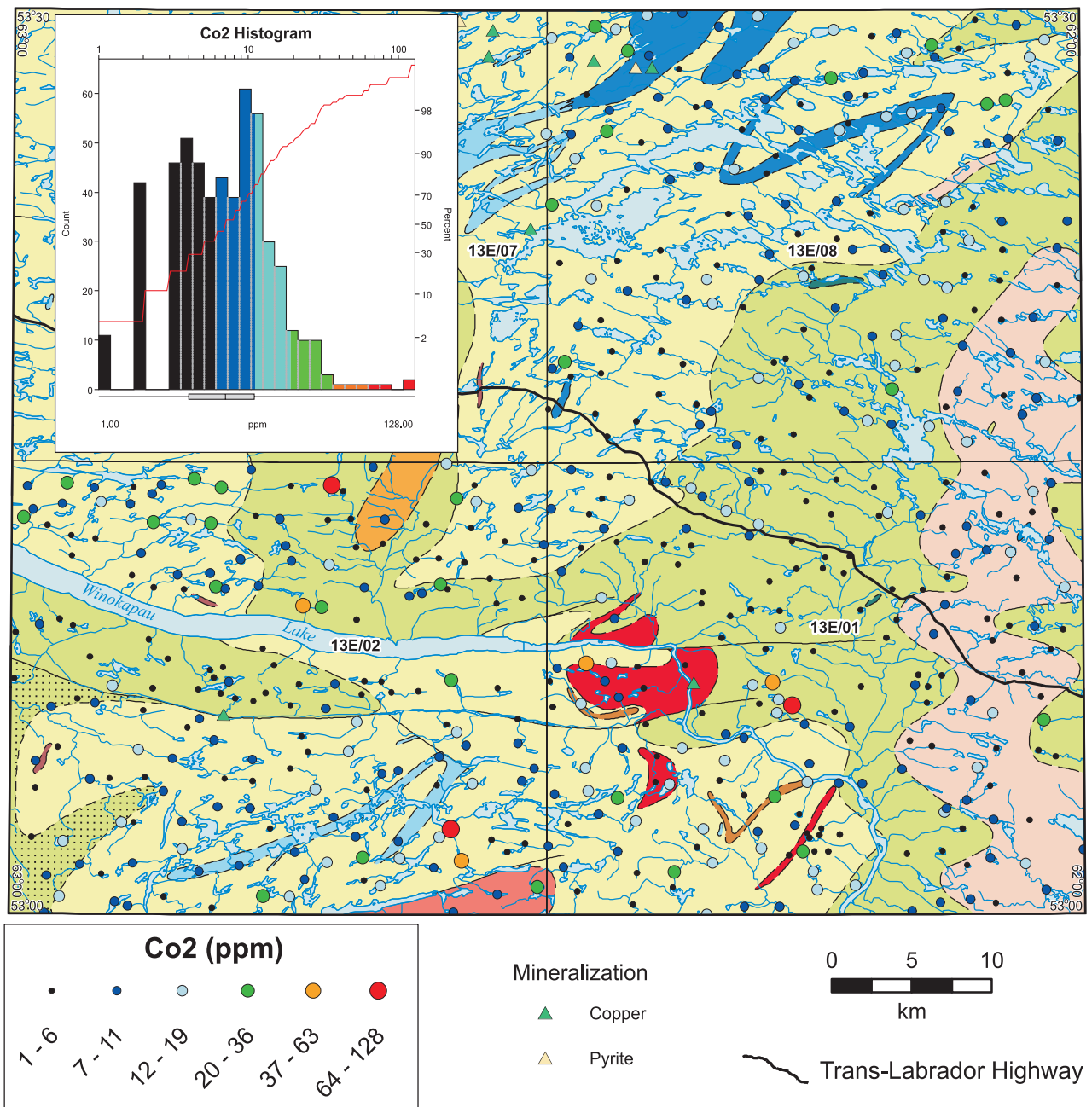
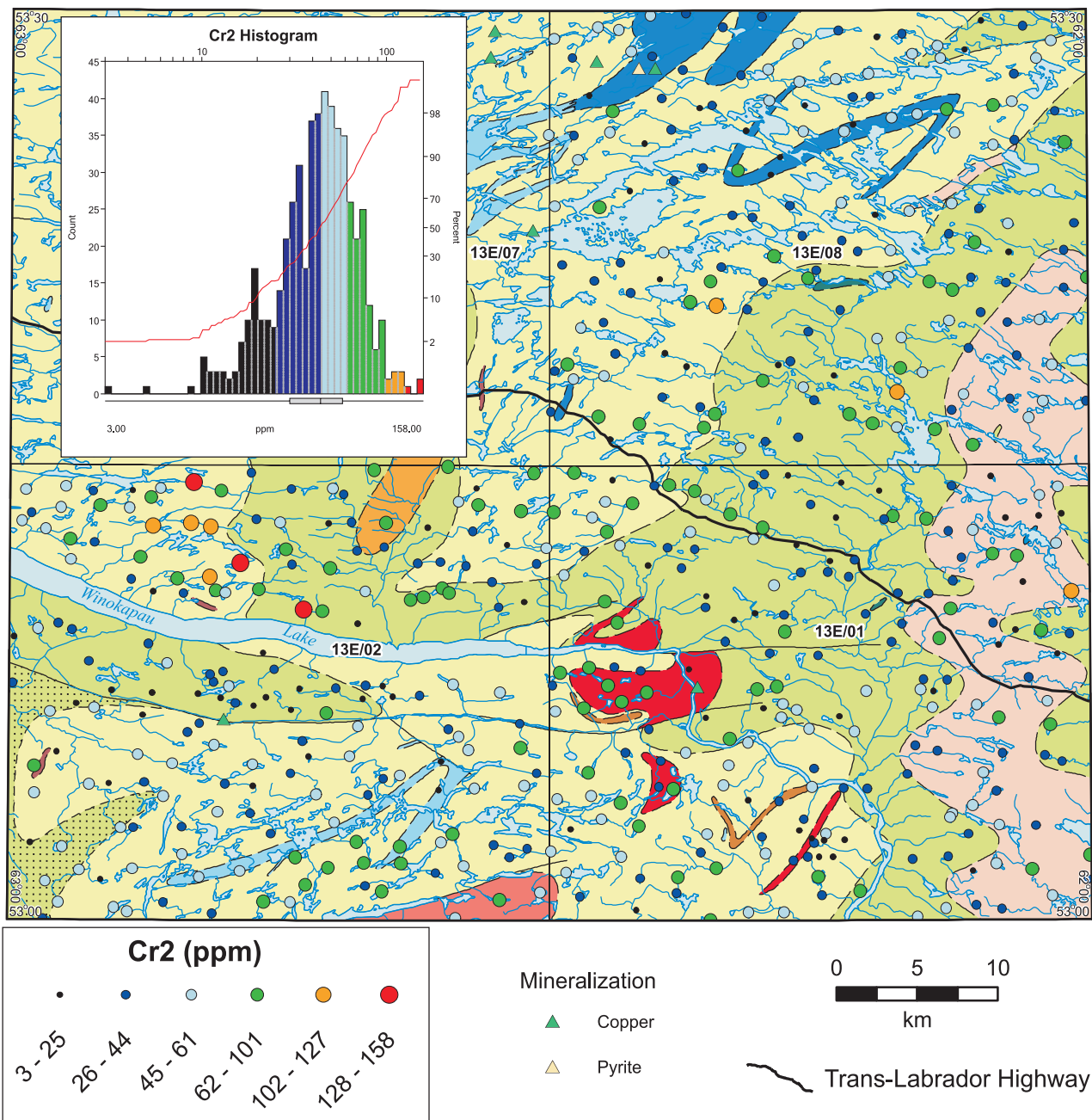


Figure 51. Cobalt (Co) in lake sediment in the Winokapau Lake area.



GEOLOGY

Mesoproterozoic or older

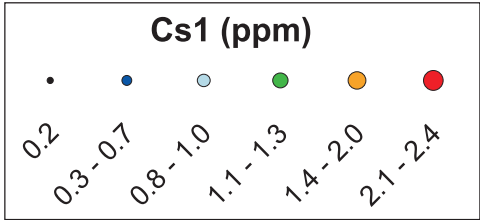
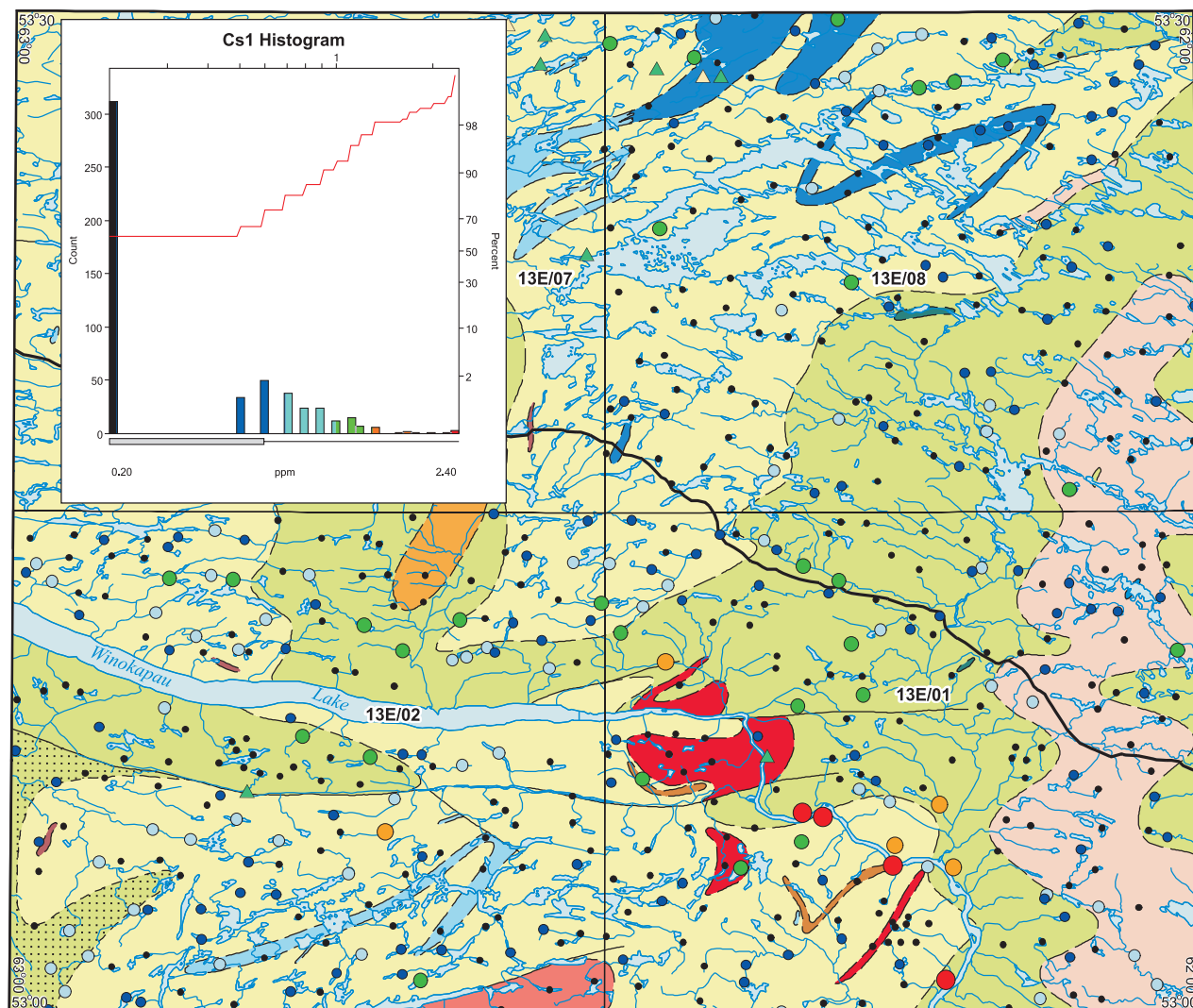
Pg	Foliated gabbro/quartz gabbro
Pgrd	Wilson Lake granodiorite
Pmg	Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
Pogn	Banded- to augen-textured pink, migmatitic feldspar orthogneiss; Pognh is the same unit with hypersthene
Pum	Pyroxene, magnetite-bearing ultramafic rocks
Pmgns	Beaver River gneiss: well-banded, mafic orthogneiss
Pwgn	Gabbronrite

Paleoproterozoic or older

Disappointment Lake paragneiss (Apm to Am)

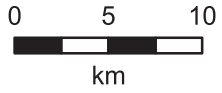
Am	White marble
Awph	Welded granulite facies quartzofeldspathic paragneiss
Aod	Banded diorite to quartz diorite within unit Apm
Apm?	Probably unit Apm
Apm	Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 52. Chromium (*Cr2*) in lake sediment in the Winokapau Lake area.



Mineralization

- ▲ Copper
- △ Pyrite



— Trans-Labrador Highway

GEOLOGY

Mesoproterozoic or older

- Pg** Foliated gabbro/quartz gabbro
- Pgrd** Wilson Lake granodiorite
- Pmg** Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
- Pogn** Banded- to augen-textured pink, migmatitic feldspar orthogneiss; **Pognh** is the same unit with hypersthene
- Pum** Pyroxene, magnetite-bearing ultramafic rocks
- Pmgns** Beaver River gneiss: well-banded, mafic orthogneiss
- Pwgn** Gabbronorite

Paleoproterozoic or older

- Disappointment Lake paragneiss (Apm to Am)
- Am** White marble
 - Awph** Welded granulite facies quartzofeldspathic paragneiss
 - Aod** Banded diorite to quartz diorite within unit Apm
 - Apm?** Probably unit Apm
 - Apm** Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 53. Cesium (Cs1) in lake sediment in the Winokapau Lake area.

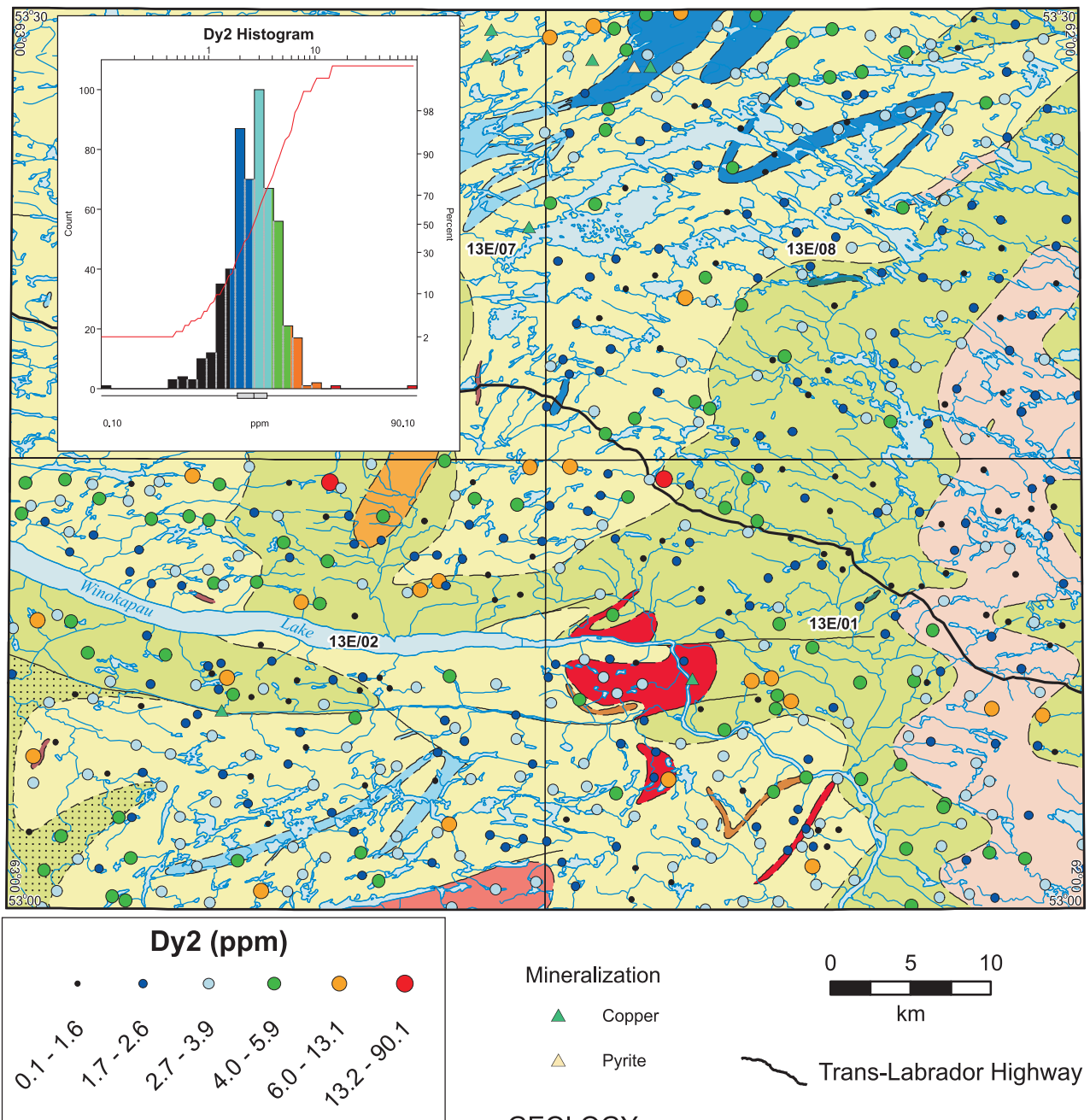


Figure 54. *Dysprosium (Dy2) in lake sediment in the Winokapau Lake area.*

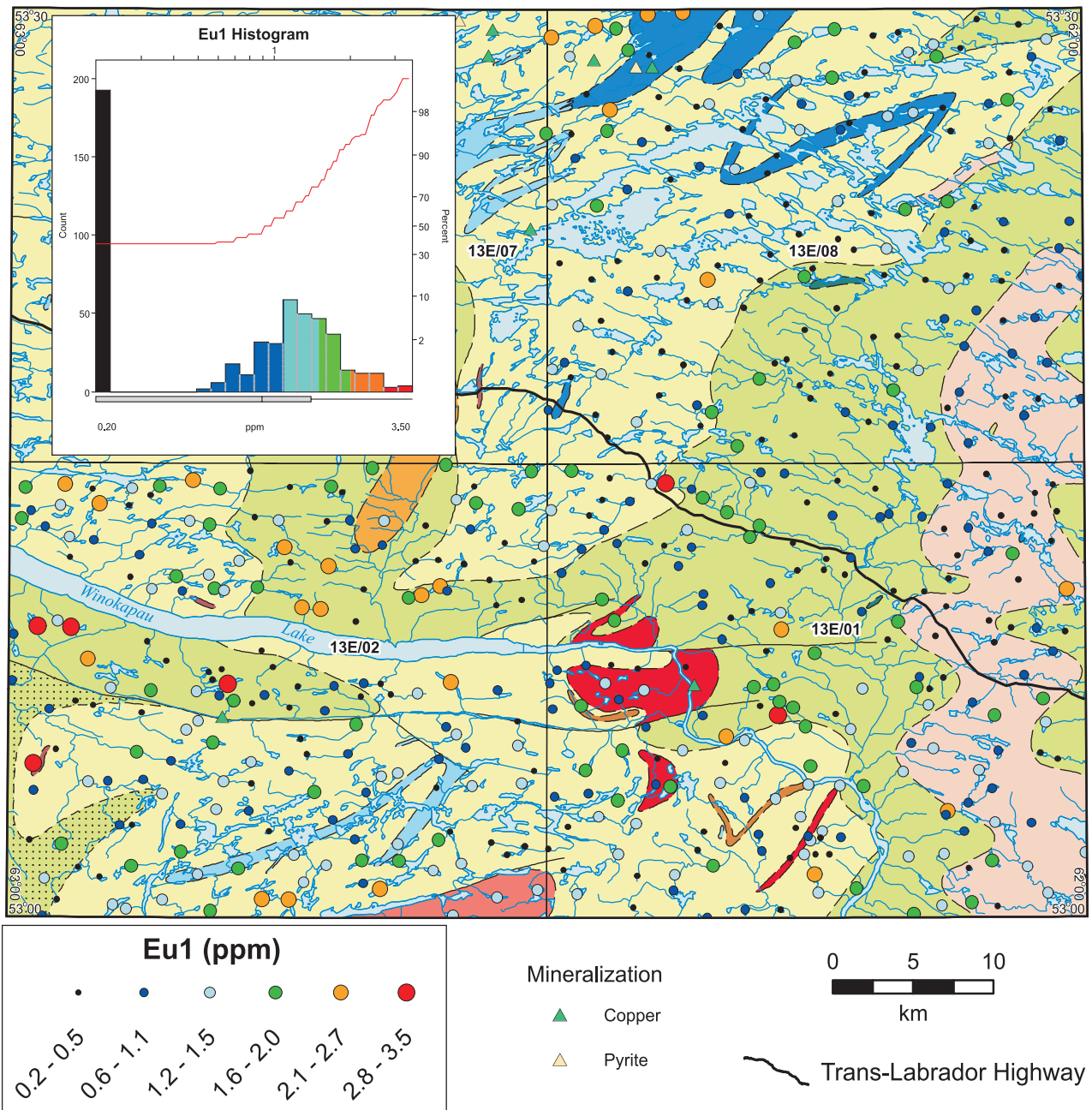


Figure 55. Europium (*Eu1*) in lake sediment in the Winokapau Lake area.

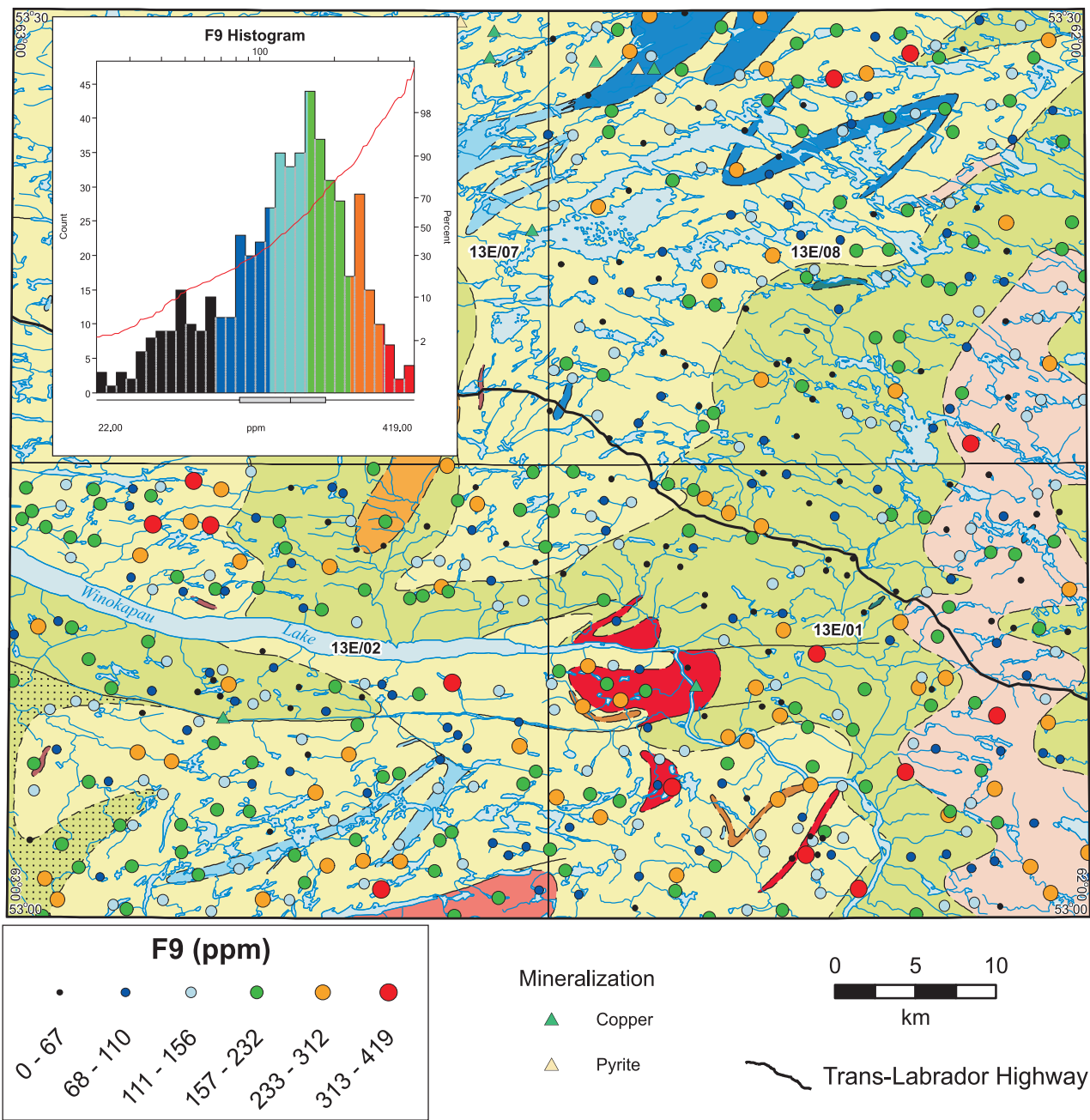
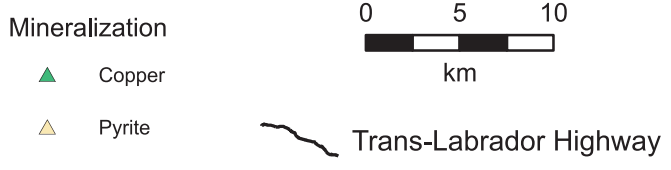
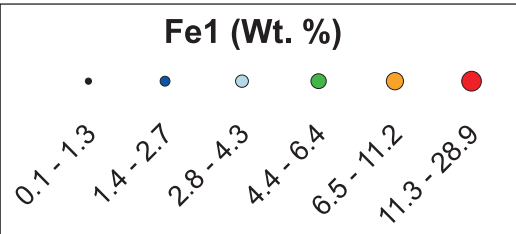
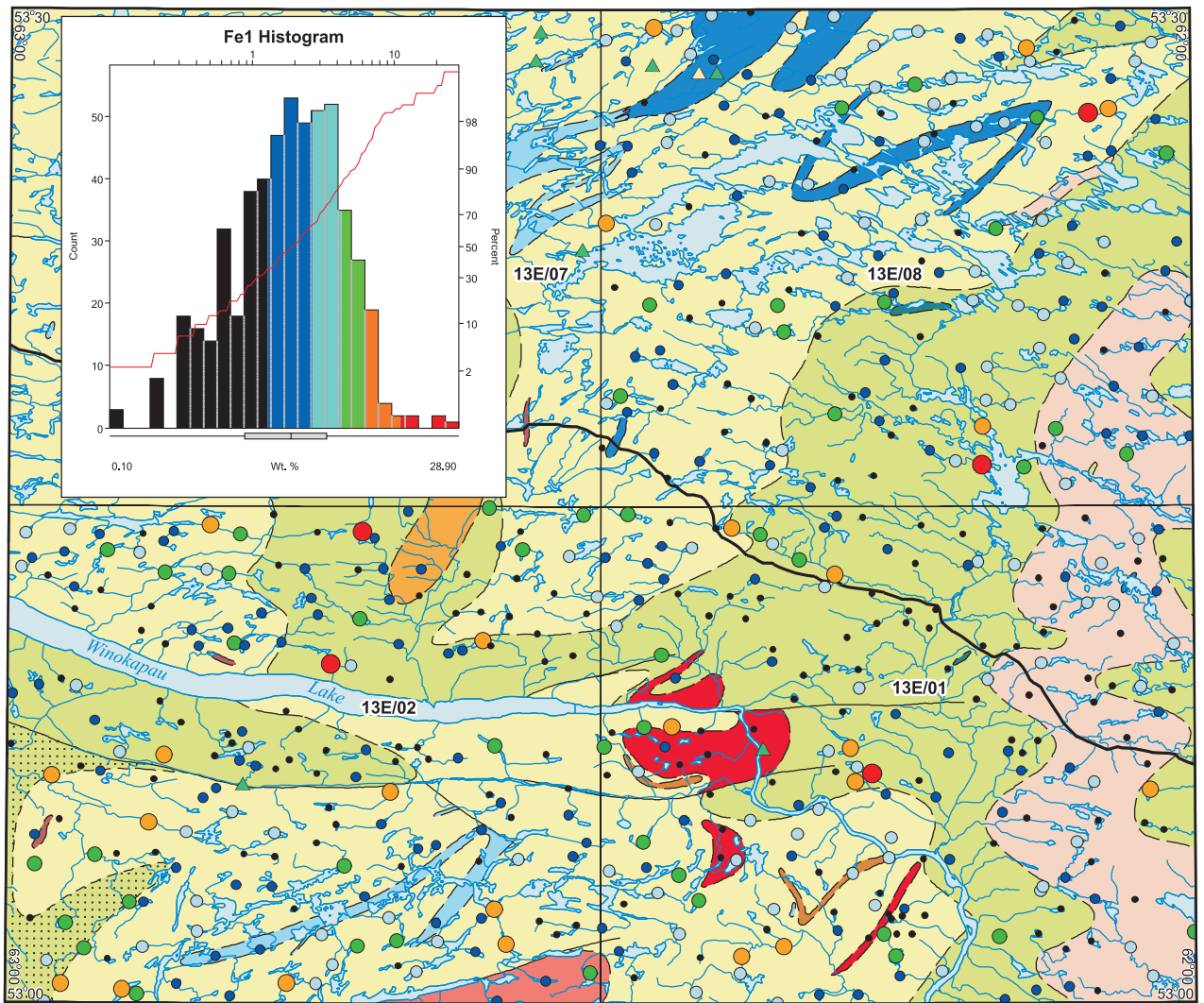


Figure 56. Fluoride (F9) in lake sediment in the Winokapau Lake area.



GEOLOGY

- | | | | |
|---------------------------------|---|---|--|
| Mesoproterozoic or older | | Paleoproterozoic or older | |
| Pg | Foliated gabbro/quartz gabbro | Disappointment Lake paragneiss (Apm to Am) | |
| Pgrd | Wilson Lake granodiorite | Am | White marble |
| Pmg | Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite | Awph | Welded granulite facies quartzofeldspathic paragneiss |
| Pogn | Banded- to augen-textured pink, migmatitic feldspar orthogneiss; Pognh is the same unit with hypersthene | Aod | Banded diorite to quartz diorite within unit Apm |
| Pum | Pyroxene, magnetite-bearing ultramafic rocks | Apm? | Probably unit Apm |
| Pmgns | Beaver River gneiss: well-banded, mafic orthogneiss | Apm | Middle to upper amphibolite facies quartzofeldspathic paragneiss |
| Pwgn | Gabbronorite | | |

Figure 57. Iron (Fe1) in lake sediment in the Winokapau Lake area.

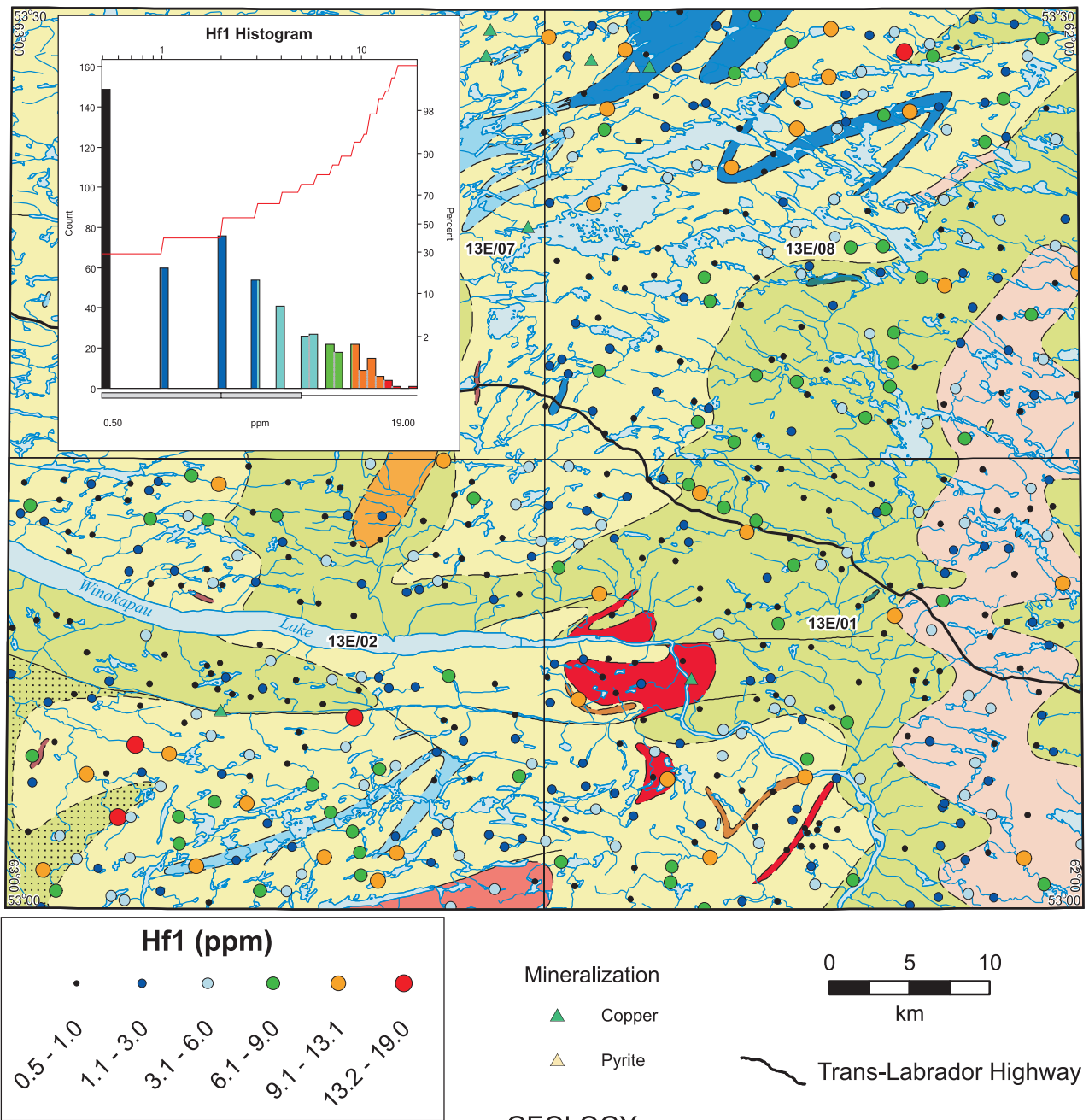


Figure 58. Hafnium (Hf1) in lake sediment in the Winokapau Lake area.

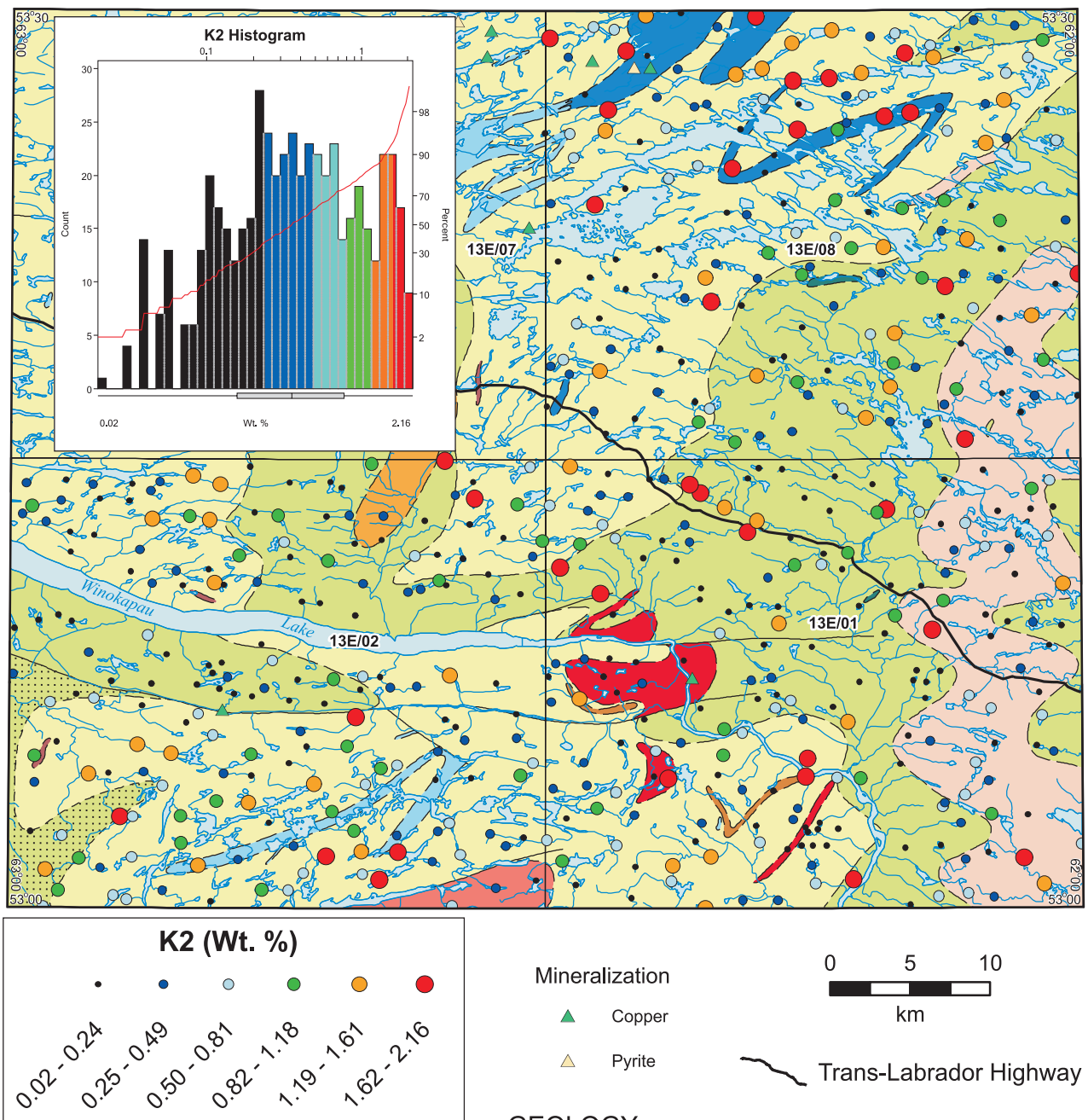


Figure 59. Potassium (K₂) in lake sediment in the Winokapau Lake area.

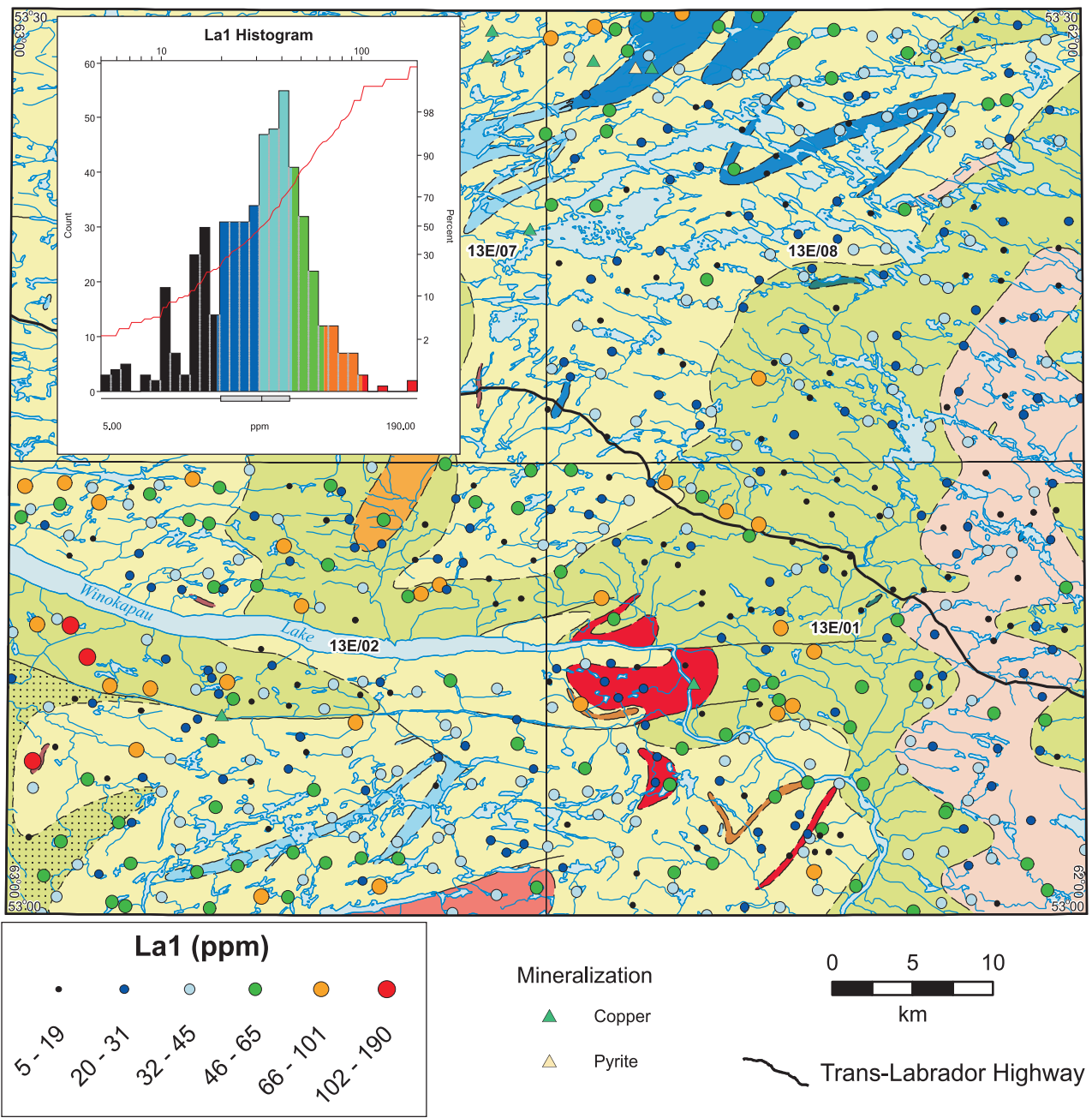


Figure 60. Lanthanum (La1) in lake sediment in the Winokapau Lake area.

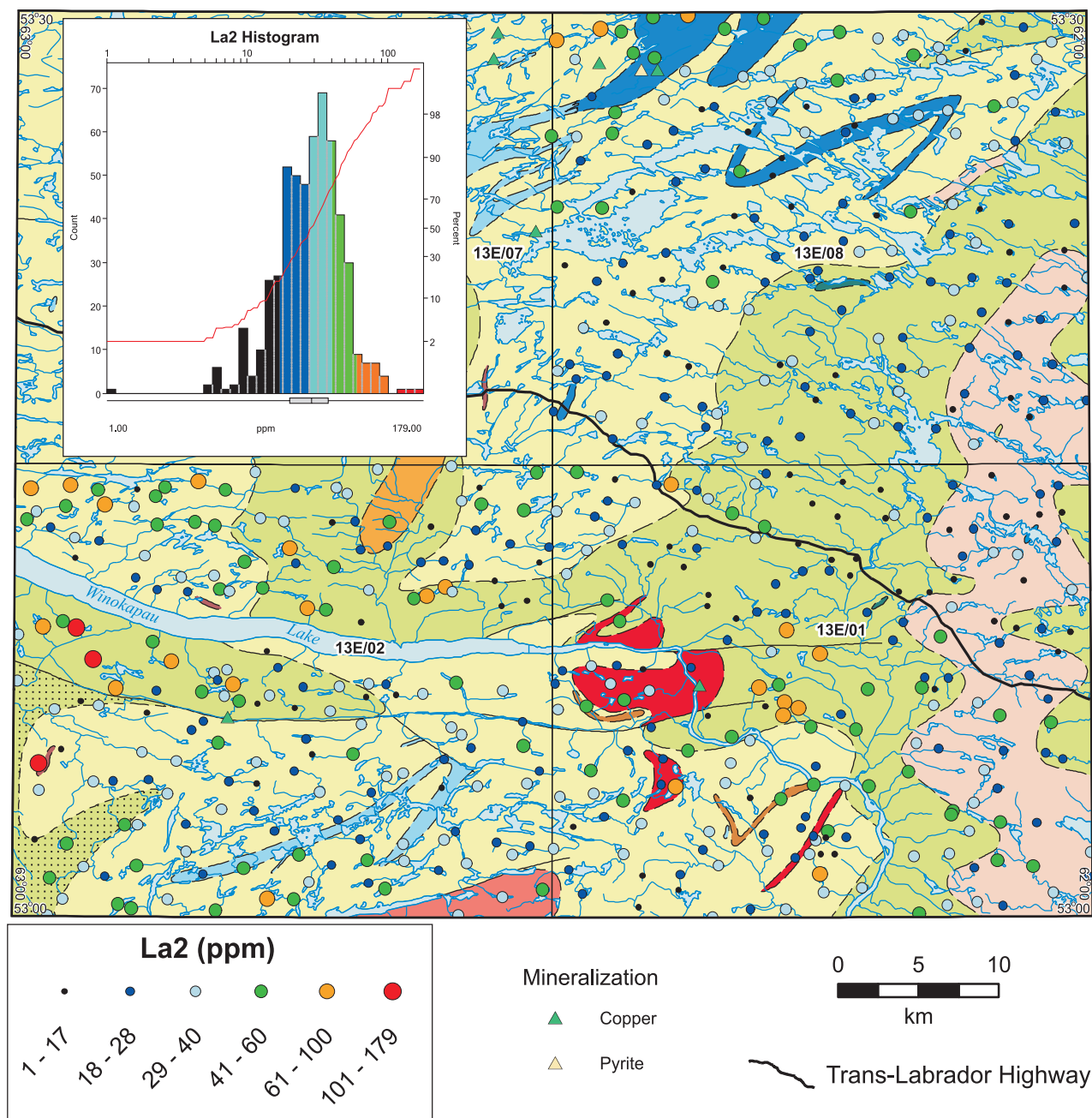


Figure 61. Lanthanum (La₂) in lake sediment in the Winokapau Lake area.

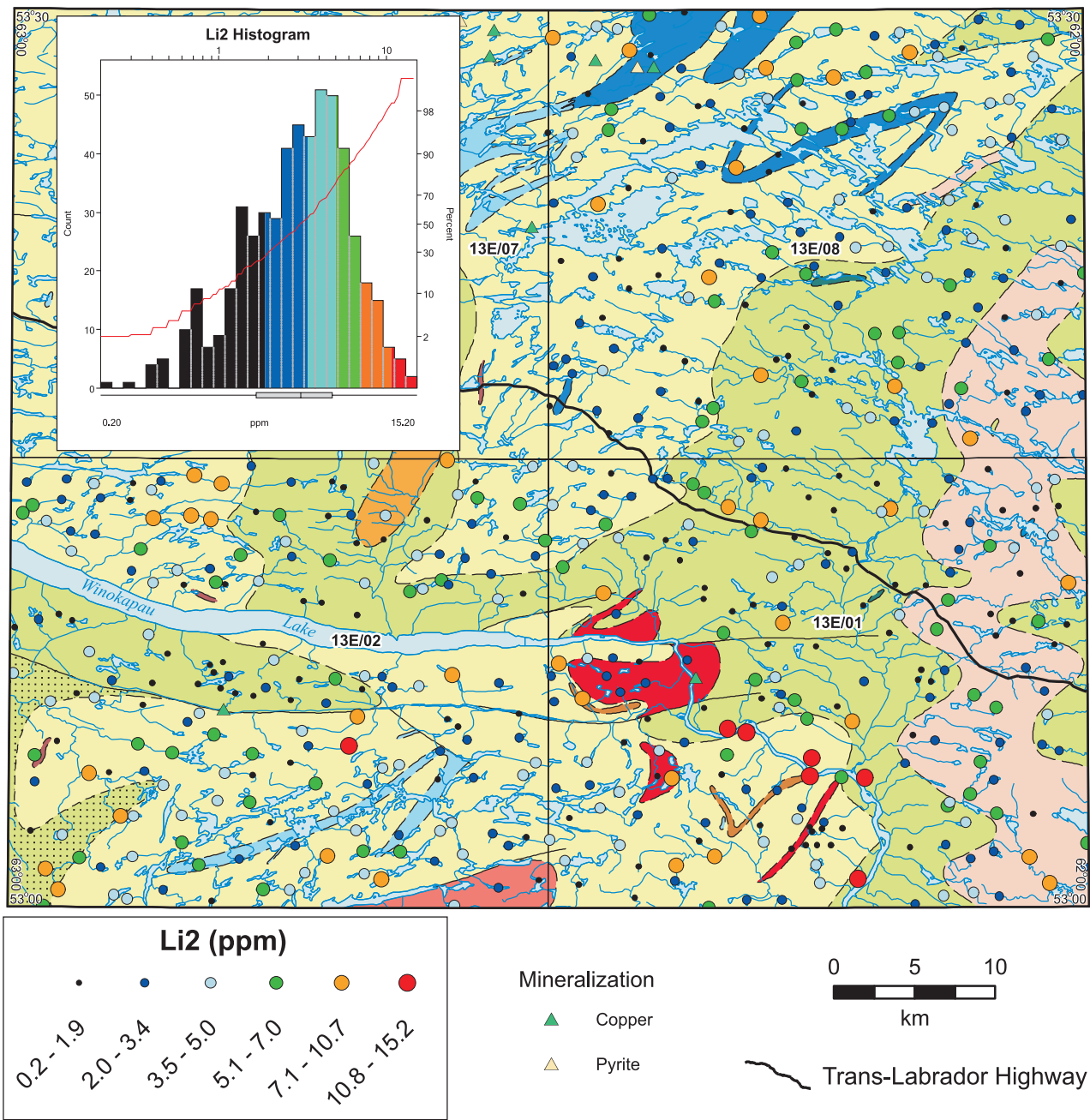


Figure 62. Lithium (Li₂) in lake sediment in the Winokapau Lake area.

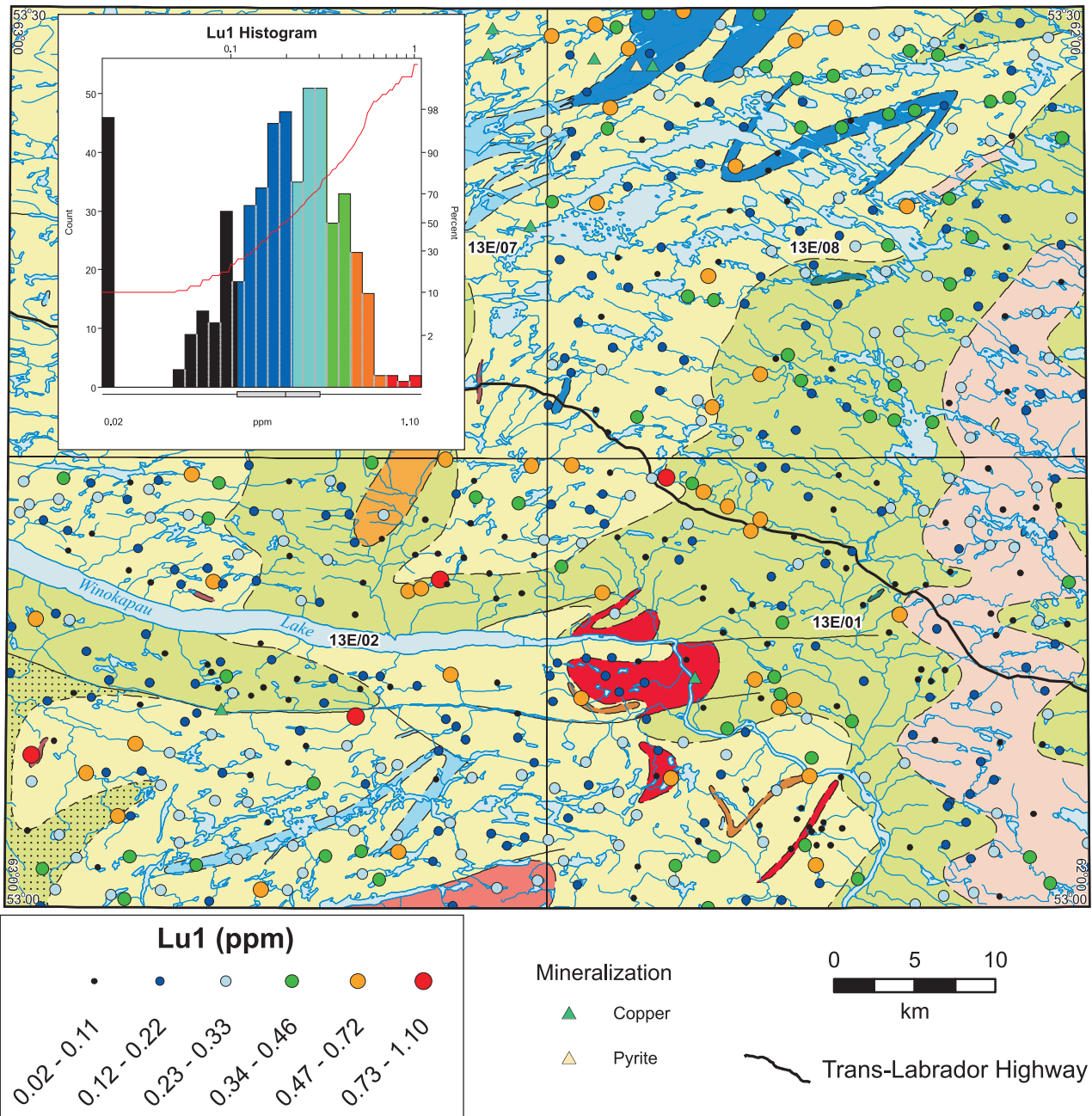


Figure 63. *Lutetium (Lu1) in lake sediment in the Winokapau Lake area.*

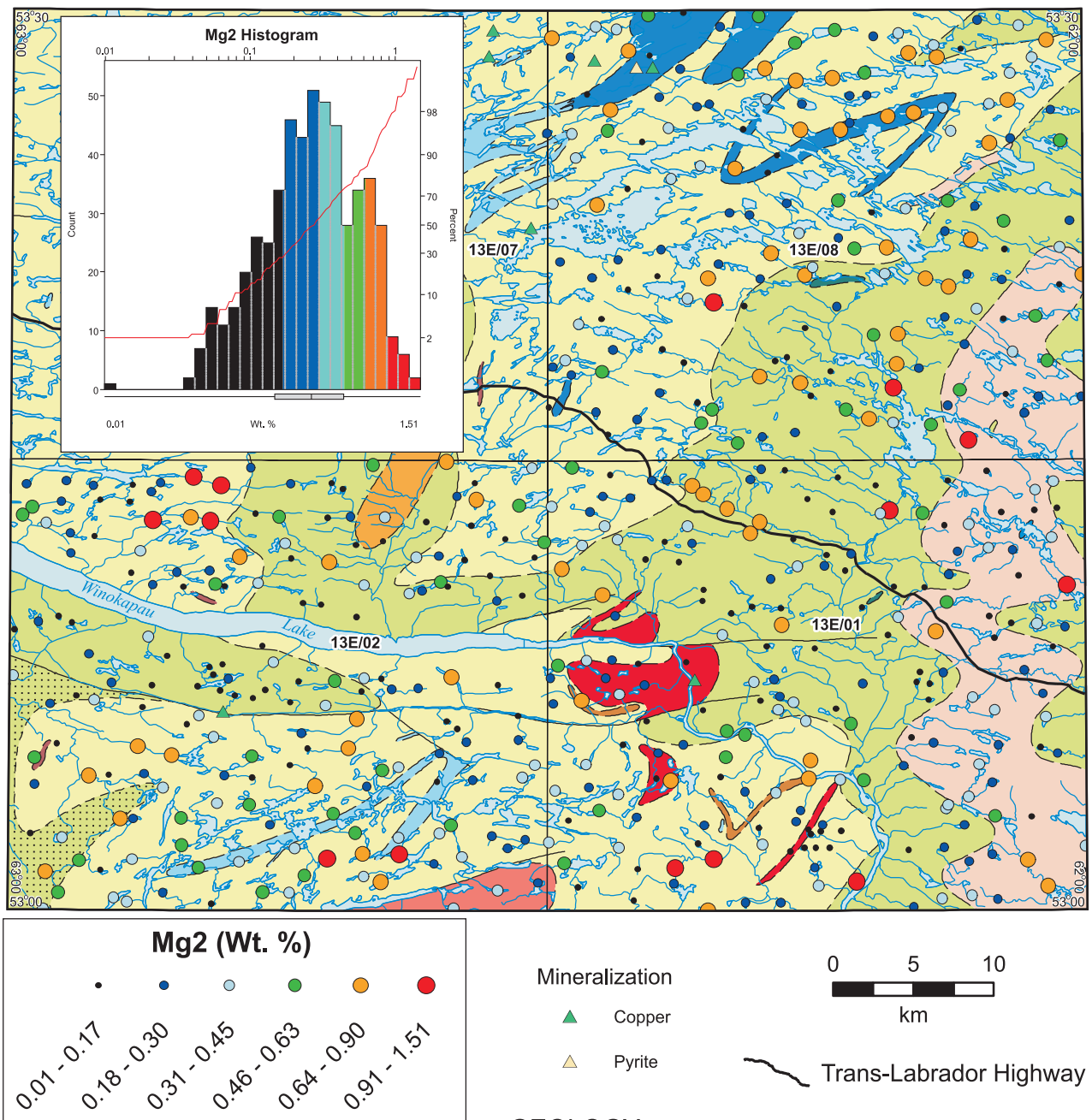
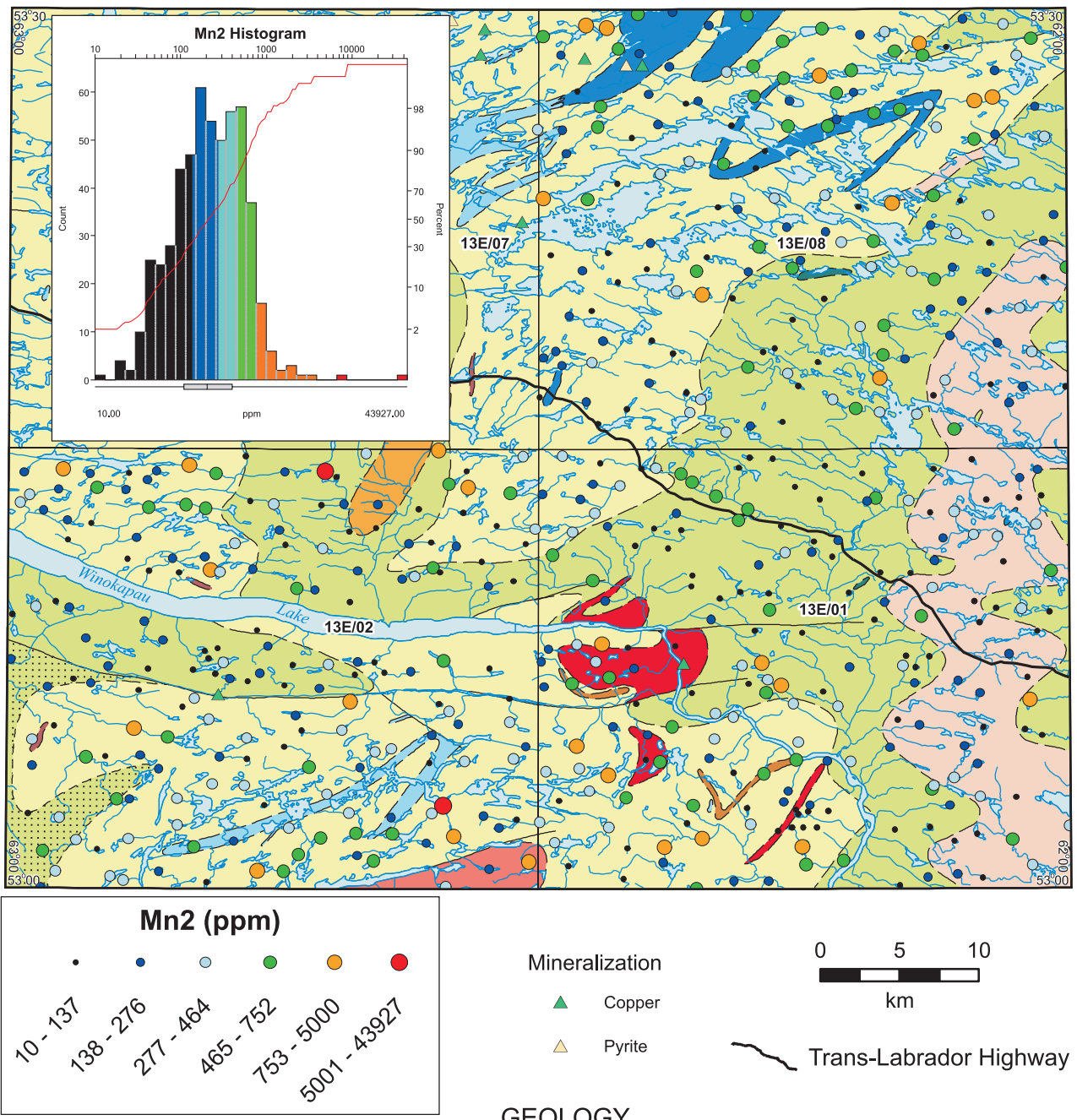


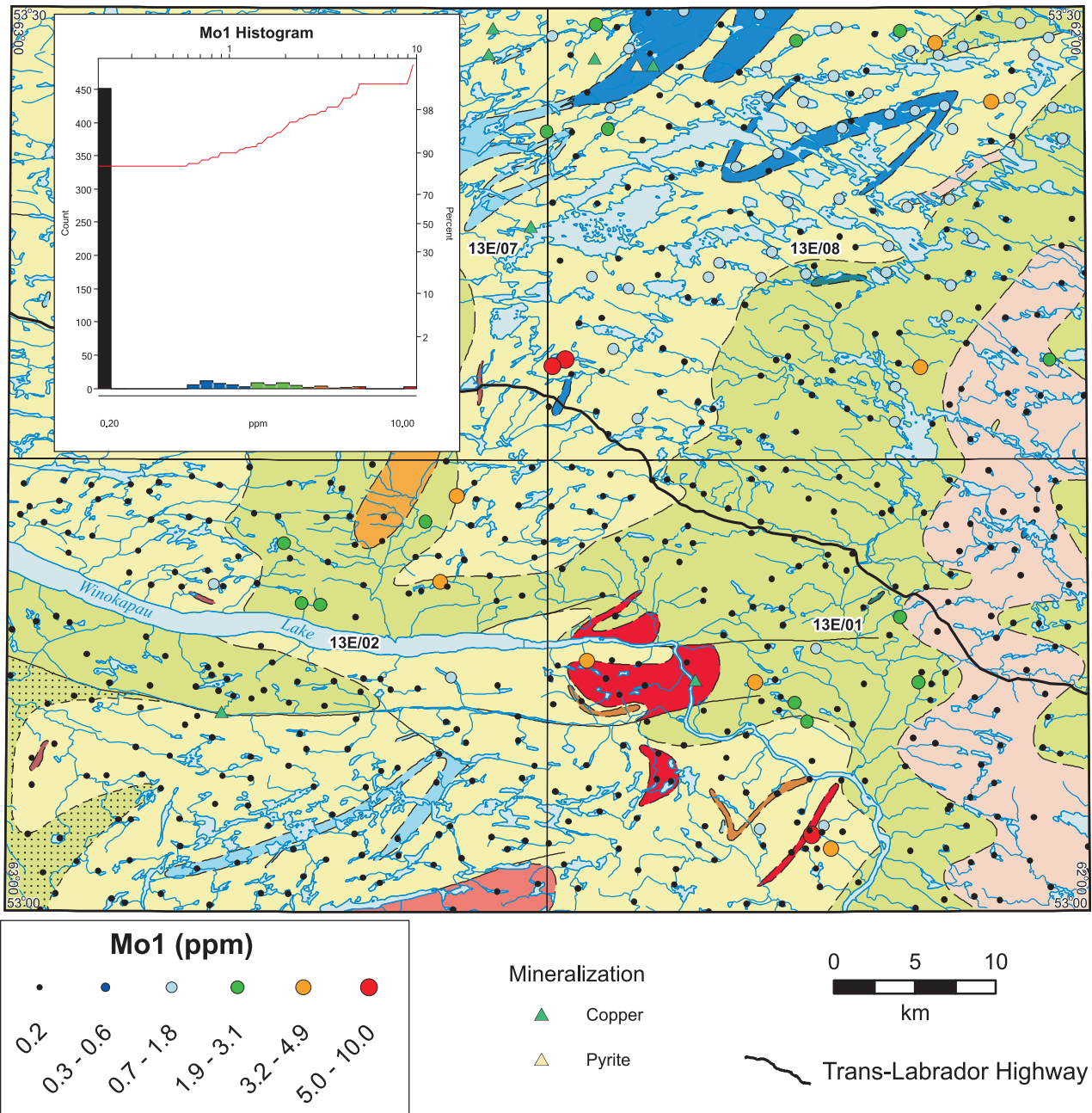
Figure 64. Magnesium (Mg₂) in lake sediment in the Winokapau Lake area.



GEOLOGY

- | | | | |
|---------------------------------|---|----------------------------------|--|
| Mesoproterozoic or older | | Paleoproterozoic or older | |
| Pg | Foliated gabbro/quartz gabbro | Am | White marble |
| Pgrd | Wilson Lake granodiorite | Awph | Welded granulite facies quartzofeldspathic paragneiss |
| Pmg | Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite | Aod | Banded diorite to quartz diorite within unit Apm |
| Pogn | Banded- to augen-textured pink, migmatitic feldspar orthogneiss; Pognh is the same unit with hypersthene | Apm? | Probably unit Apm |
| Pum | Pyroxene, magnetite-bearing ultramafic rocks | Apm | Middle to upper amphibolite facies quartzofeldspathic paragneiss |
| Pmgns | Beaver River gneiss: well-banded, mafic orthogneiss | | |
| Pwgn | Gabbronorite | | |
| | | | Disappointment Lake paragneiss (Apm to Am) |

Figure 65. Manganese (Mn₂) in lake sediment in the Winokapau Lake area.



GEOLOGY

Mesoproterozoic or older

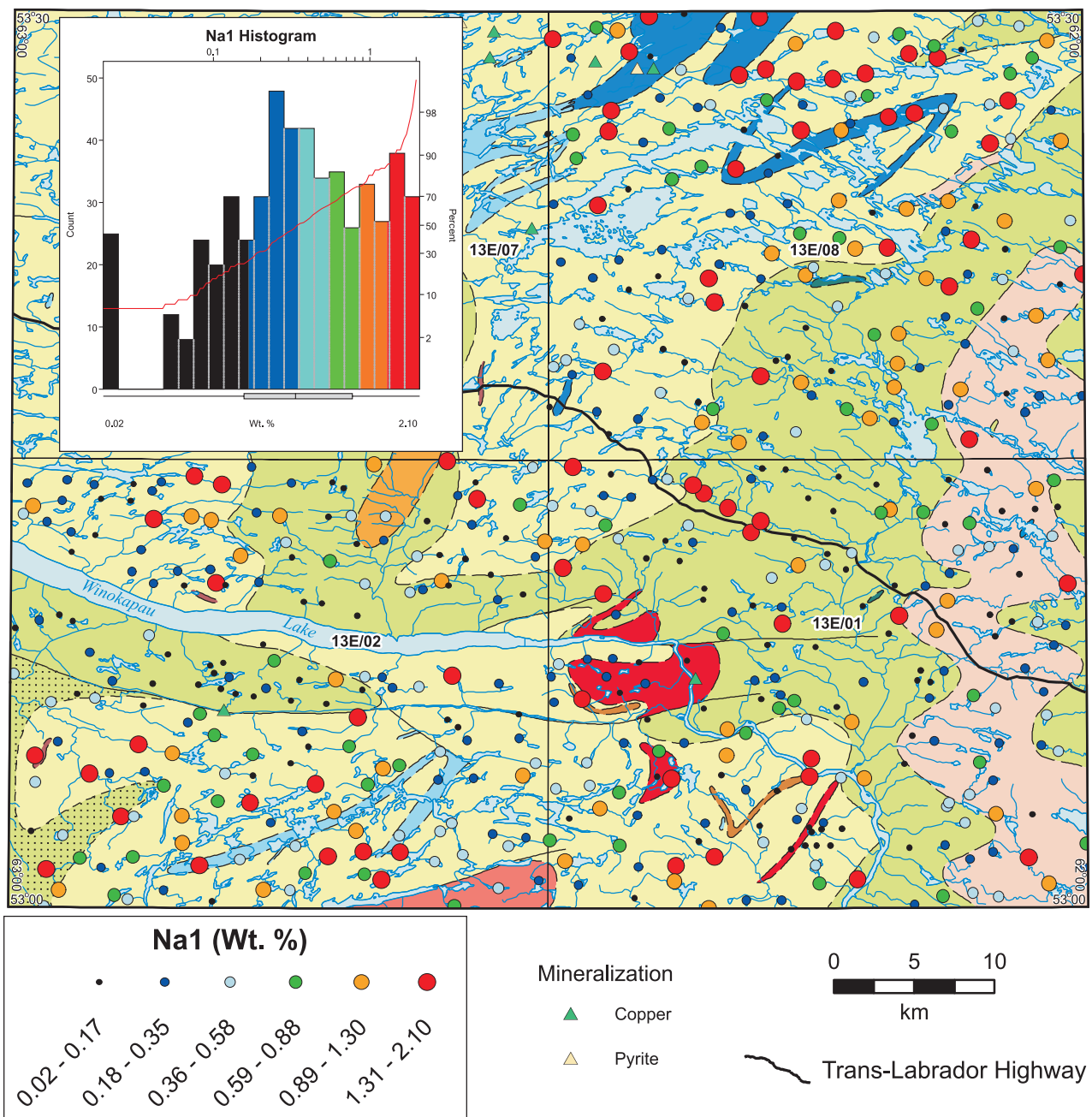
Pg	Foliated gabbro/quartz gabbro
Pgrd	Wilson Lake granodiorite
Pmg	Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
Pogn	Banded- to augen-textured pink, migmatitic feldspar orthogneiss; Pognh is the same unit with hypersthene
Pum	Pyroxene, magnetite-bearing ultramafic rocks
Pmgns	Beaver River gneiss: well-banded, mafic orthogneiss
Pwgn	Gabbronorite

Paleoproterozoic or older

Disappointment Lake paragneiss (Apm to Am)

Am	White marble
Awph	Welded granulite facies quartzofeldspathic paragneiss
Aod	Banded diorite to quartz diorite within unit Apm
Apm?	Probably unit Apm
Apm	Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 66. Molybdenum (Mo1) in lake sediment in the Winokapau Lake area.



GEOLOGY

Mesoproterozoic or older

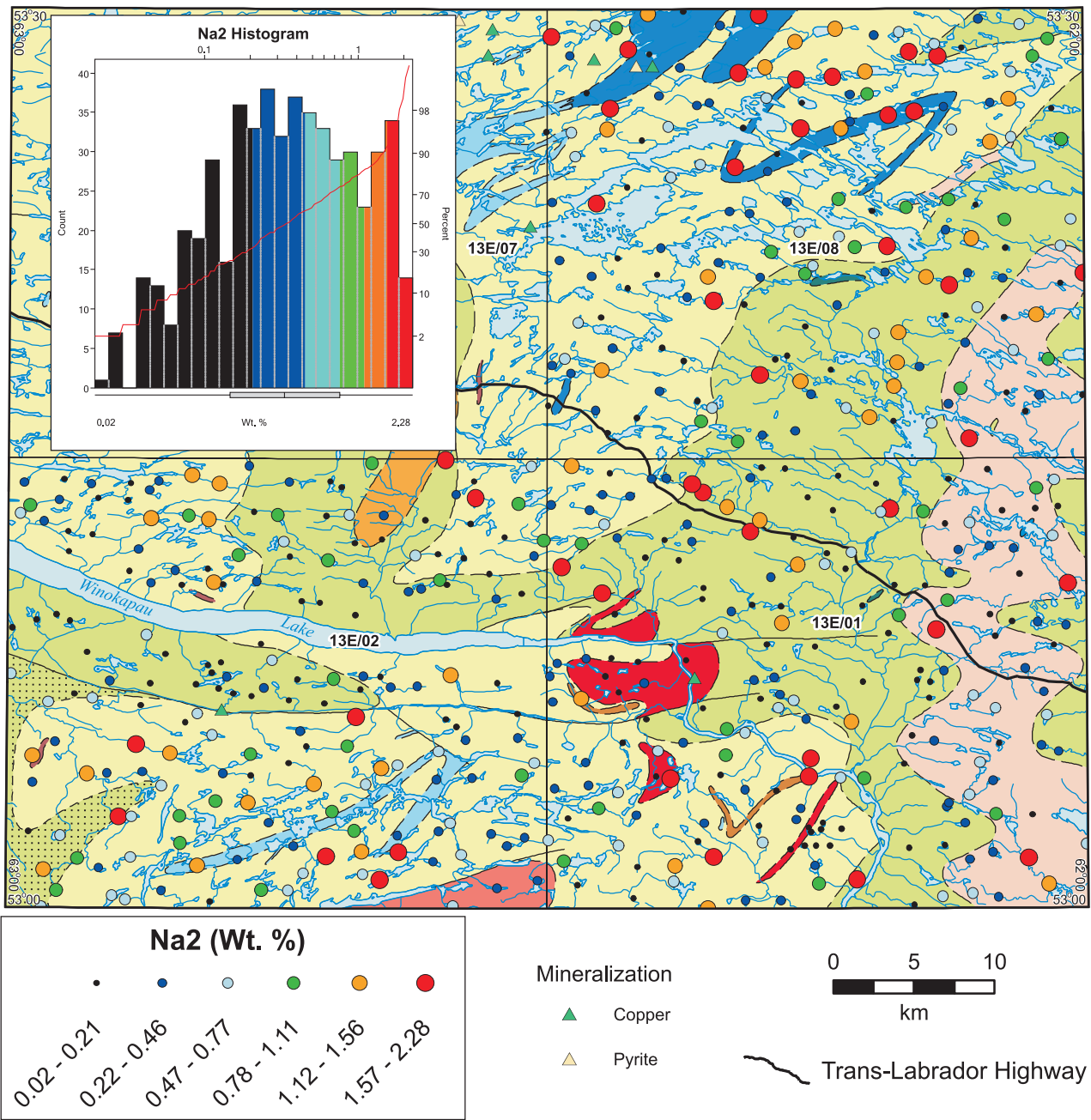
Pg	Foliated gabbro/quartz gabbro
Pgrd	Wilson Lake granodiorite
Pmg	Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
Pognh	Banded- to augen-textured pink, migmatitic feldspar orthogneiss; Pognh is the same unit with hypersthene
Pum	Pyroxene, magnetite-bearing ultramafic rocks
Pmgns	Beaver River gneiss: well-banded, mafic orthogneiss
Pwgn	Gabbronorite

Paleoproterozoic or older

Disappointment Lake paragneiss (Apm to Am)

Am	White marble
Awph	Welded granulite facies quartzofeldspathic paragneiss
Aod	Banded diorite to quartz diorite within unit Apm
Apm?	Probably unit Apm
Apm	Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 67. Sodium (Na1) in lake sediment in the Winokapau Lake area.



GEOLOGY

Mesoproterozoic or older

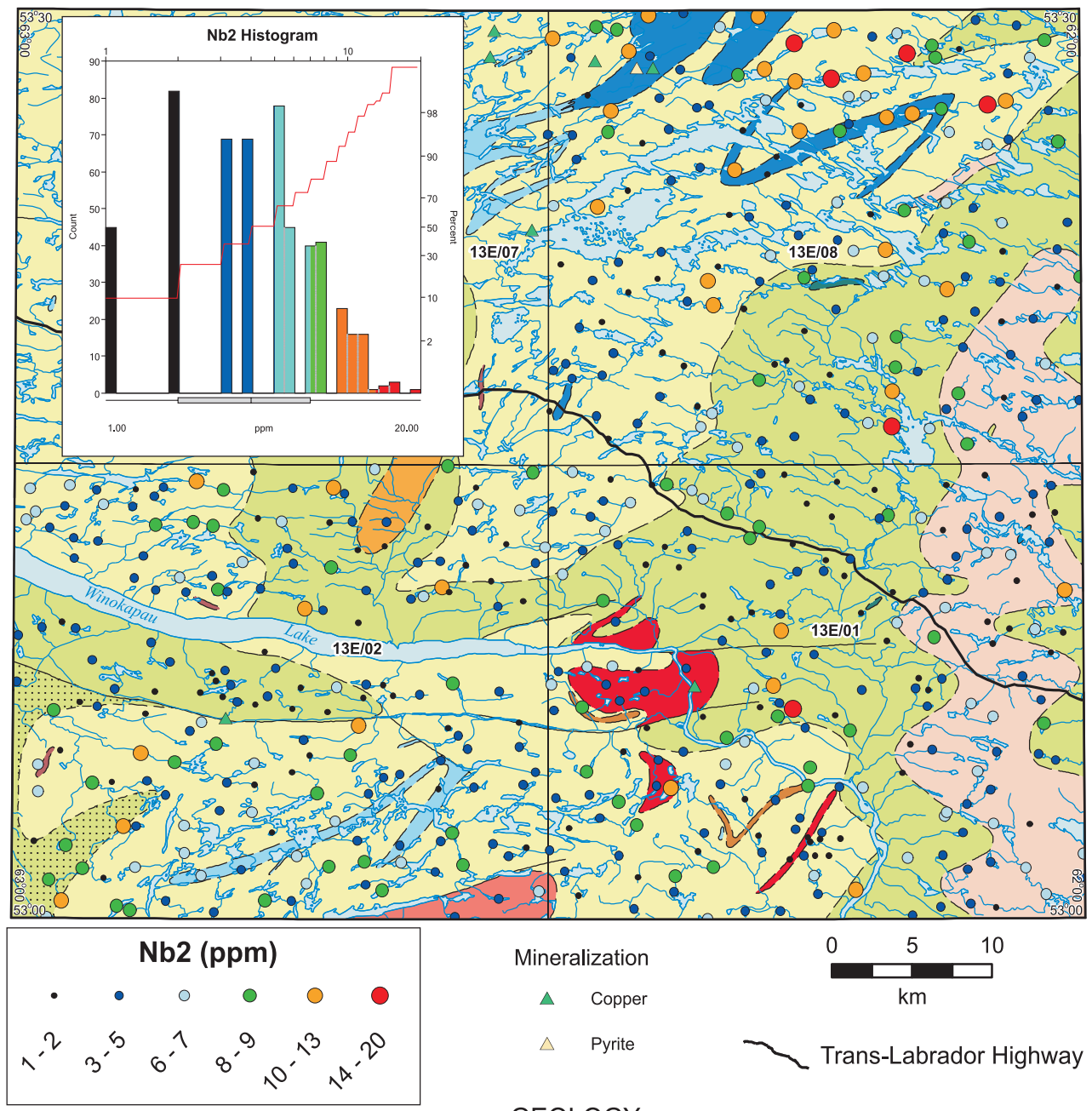
Pg	Foliated gabbro/quartz gabbro
Pgrd	Wilson Lake granodiorite
Pmg	Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
Pogn	Banded- to augen-textured pink, migmatitic feldspar orthogneiss; Pognh is the same unit with hypersthene
Pum	Pyroxene, magnetite-bearing ultramafic rocks
Pmgns	Beaver River gneiss: well-banded, mafic orthogneiss
Pwgn	Gabbronorite

Paleoproterozoic or older

Disappointment Lake paragneiss (Apm to Am)

Am	White marble
Awph	Welded granulite facies quartzofeldspathic paragneiss
Aod	Banded diorite to quartz diorite within unit Apm
Apm?	Probably unit Apm
Apm	Middle to upper amphibolite facies quartzofeldspathic paragneiss

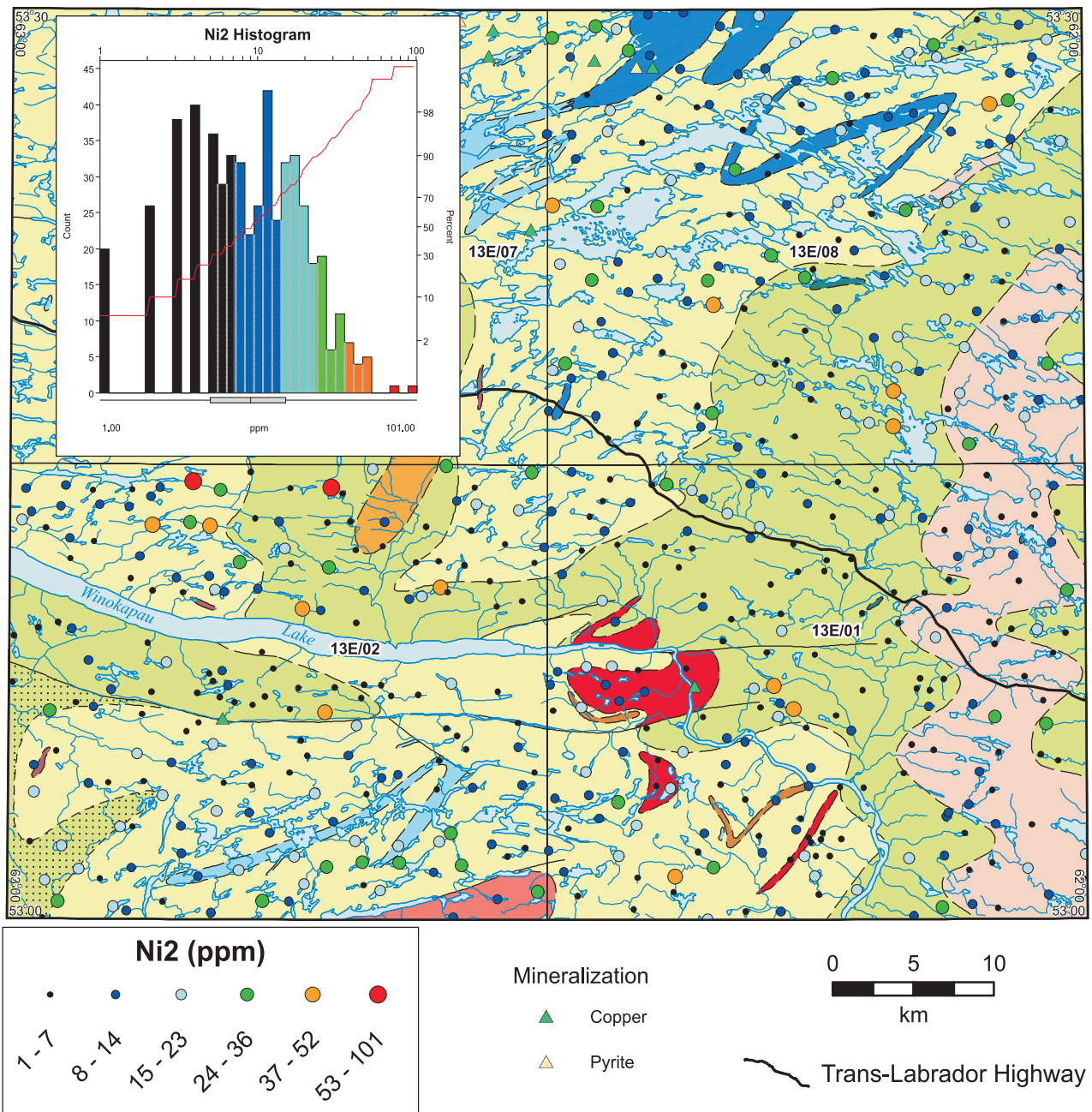
Figure 68. Sodium (Na_2) in lake sediment in the Winokapau Lake area.



GEOLOGY

Mesoproterozoic or older		Paleoproterozoic or older	
Pg	Foliated gabbro/quartz gabbro	Disappointment Lake paragneiss (Apm to Am)	
Pgrd	Wilson Lake granodiorite	Am	White marble
Pmg	Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite	Awph	Welded granulite facies quartzofeldspathic paragneiss
Pogn	Banded- to augen-textured pink, migmatitic feldspar orthogneiss; Pognh is the same unit with hypersthene	Aod	Banded diorite to quartz diorite within unit Apm
Pum	Pyroxene, magnetite-bearing ultramafic rocks	Apm?	Probably unit Apm
Pmgns	Beaver River gneiss: well-banded, mafic orthogneiss	Apm	Middle to upper amphibolite facies quartzofeldspathic paragneiss
Pwgn	Gabbronorite		

Figure 69. Niobium (Nb₂) in lake sediment in the Winokapau Lake area.



Mesoproterozoic or older

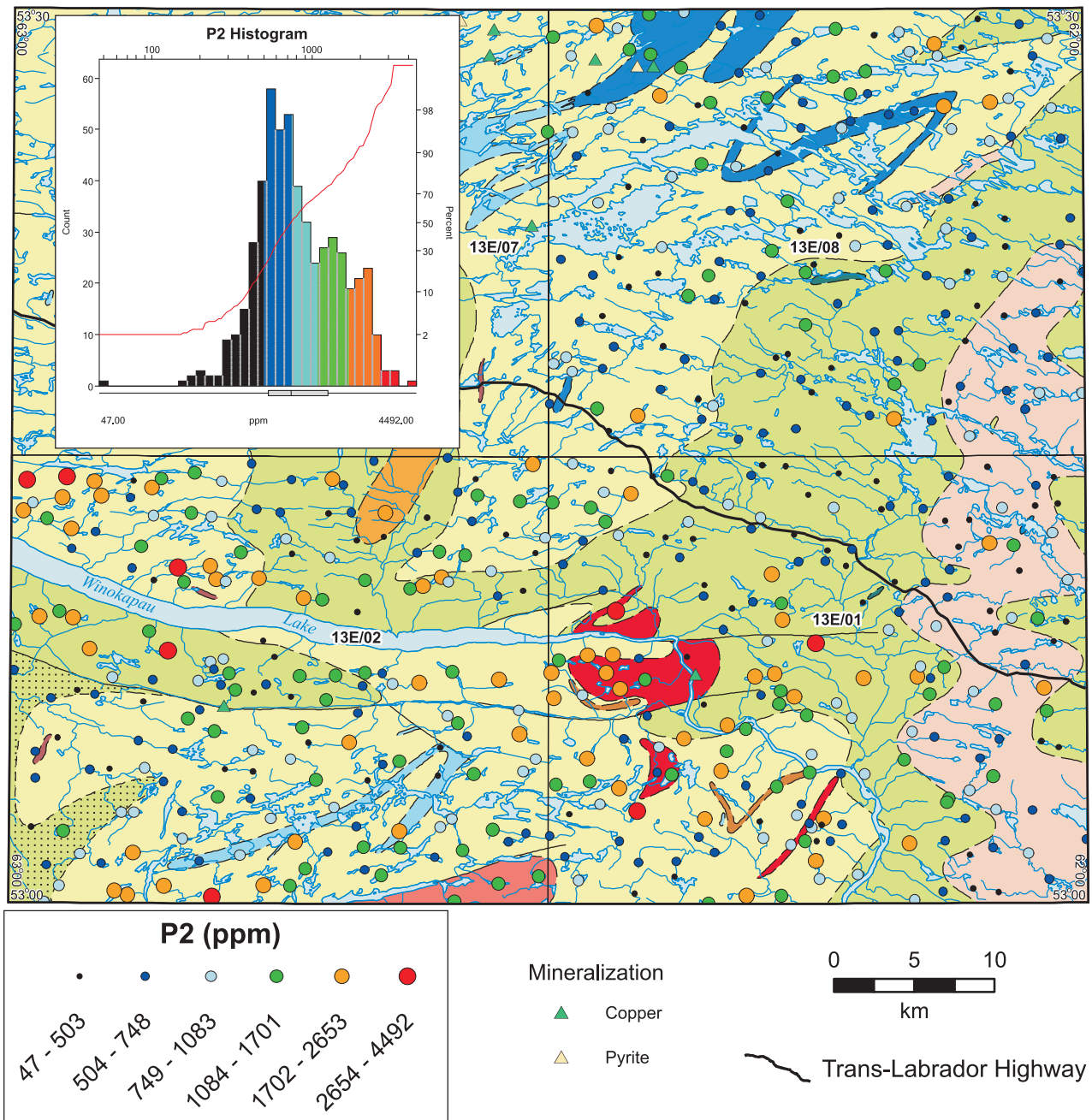
- Pg** Foliated gabbro/quartz gabbro
- Pgrd** Wilson Lake granodiorite
- Pmg** Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
- Pogn** Banded- to augen-textured pink, migmatitic feldspar orthogneiss; **Pognh** is the same unit with hypersthene
- Pum** Pyroxene, magnetite-bearing ultramafic rocks
- Pmgns** Beaver River gneiss: well-banded, mafic orthogneiss
- Pwgn** Gabbronorite

Paleoproterozoic or older

Disappointment Lake paragneiss (Apm to Am)

- Am** White marble
- Awph** Welded granulite facies quartzofeldspathic paragneiss
- Aod** Banded diorite to quartz diorite within unit Apm
- Apm?** Probably unit Apm
- Apm** Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 70. Nickel (Ni₂) in lake sediment in the Winokapau Lake area.



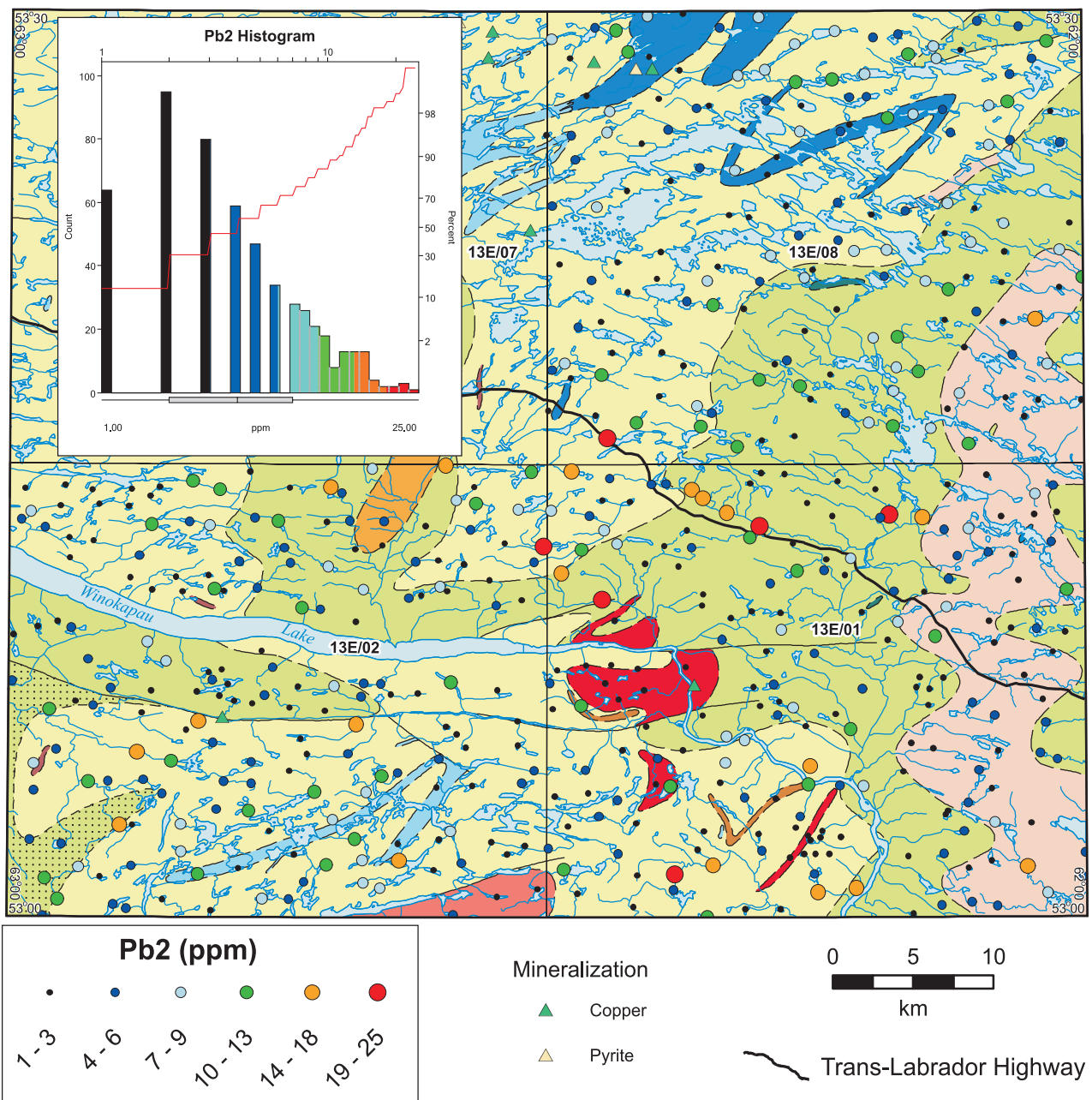
Mesoproterozoic or older

- Pg** Foliated gabbro/quartz gabbro
- Pgrd** Wilson Lake granodiorite
- Pmg** Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
- Pogn** Banded- to augen-textured pink, migmatitic feldspar orthogneiss; **Pognh** is the same unit with hypersthene
- Pum** Pyroxene, magnetite-bearing ultramafic rocks
- Pmgns** Beaver River gneiss: well-banded, mafic orthogneiss
- Pwgn** Gabbrorite

Paleoproterozoic or older

- Disappointment Lake paragneiss (Apm to Am)**
- Am** White marble
- Awph** Welded granulite facies quartzofeldspathic paragneiss
- Aod** Banded diorite to quartz diorite within unit Apm
- Apm?** Probably unit Apm
- Apm** Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 71. Phosphorus (P2) in lake sediment in the Winokapau Lake area.



GEOLOGY

Mesoproterozoic or older

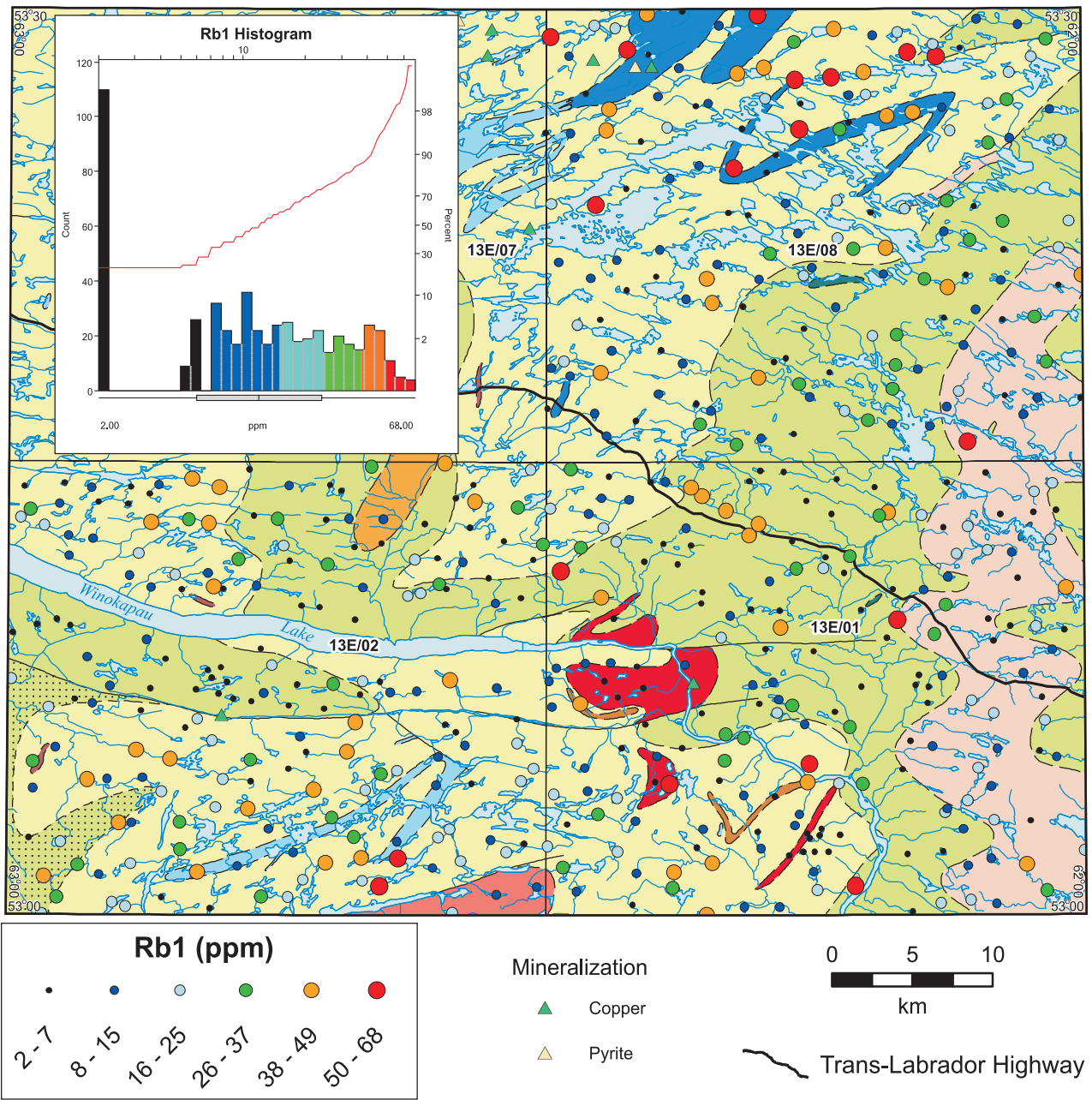
Pg	Foliated gabbro/quartz gabbro
Pgrd	Wilson Lake granodiorite
Pmg	Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
Pogn	Banded- to augen-textured pink, migmatitic feldspar orthogneiss; Pognh is the same unit with hypersthene
Pum	Pyroxene, magnetite-bearing ultramafic rocks
Pmgns	Beaver River gneiss: well-banded, mafic orthogneiss
Pwgn	Gabbronorite

Paleoproterozoic or older

Disappointment Lake paragneiss (Apm to Am)

Am	White marble
Awph	Welded granulite facies quartzofeldspathic paragneiss
Aod	Banded diorite to quartz diorite within unit Apm
Apm?	Probably unit Apm
Apm	Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 72. Lead (Pb_2) in lake sediment in the Winokapau Lake area.



GEOLOGY

Mesoproterozoic or older

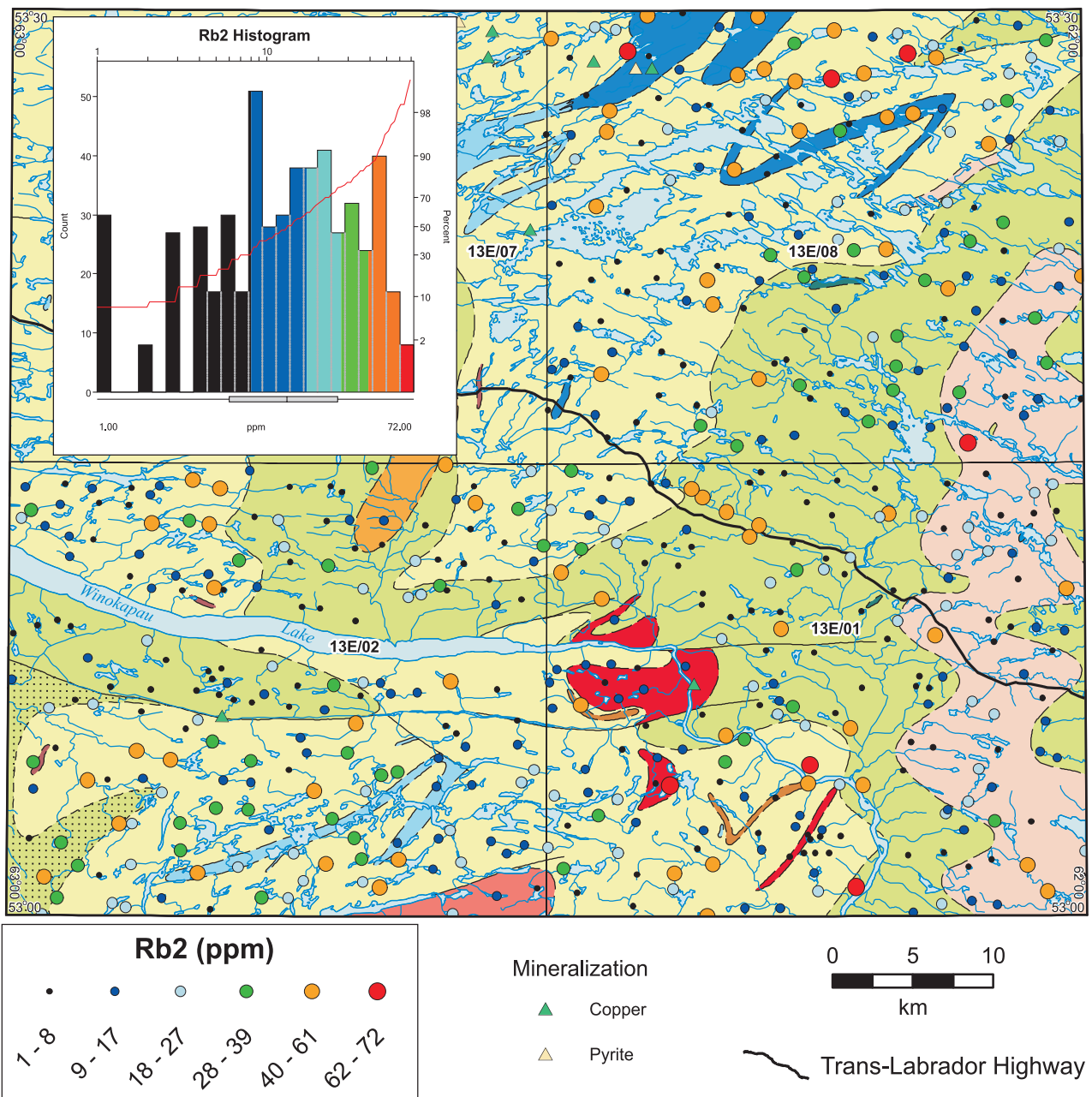
Pg	Foliated gabbro/quartz gabbro
Pgrd	Wilson Lake granodiorite
Pmg	Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
Pogn	Banded- to augen-textured pink, migmatitic feldspar orthogneiss; Pognh is the same unit with hypersthene
Pum	Pyroxene, magnetite-bearing ultramafic rocks
Pmgns	Beaver River gneiss: well-banded, mafic orthogneiss
Pwgn	Gabbronorite

Paleoproterozoic or older

Disappointment Lake paragneiss (Apm to Am)

Am	White marble
Awph	Welded granulite facies quartzofeldspathic paragneiss
Aod	Banded diorite to quartz diorite within unit Apm
Apm?	Probably unit Apm
Apm	Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 73. Rubidium (*Rb1*) in lake sediment in the Winokapau Lake area.



GEOLOGY

Mesoproterozoic or older

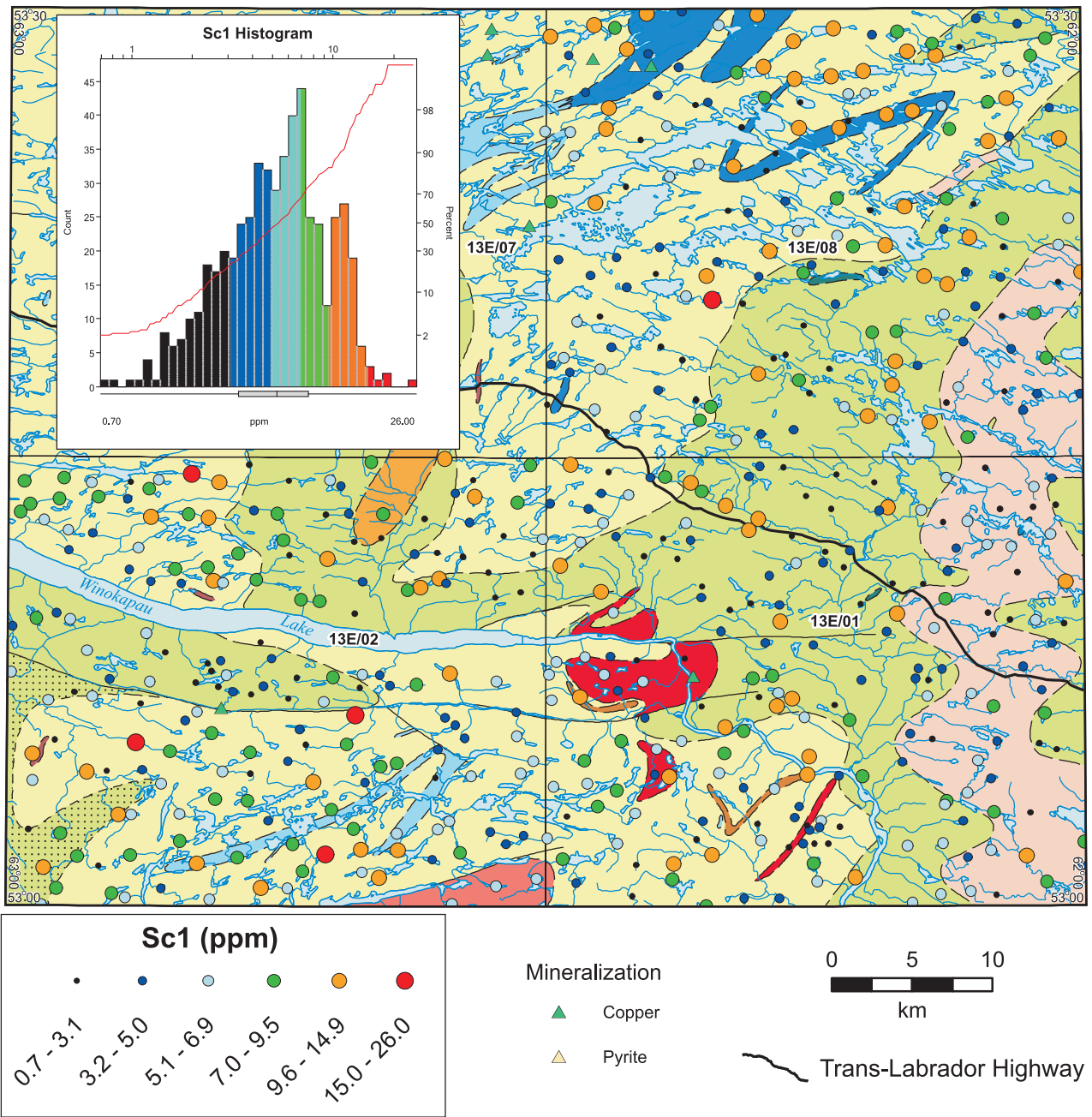
Pg	Foliated gabbro/quartz gabbro
Pgrd	Wilson Lake granodiorite
Pmg	Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
Pogn	Banded- to augen-textured pink, migmatitic feldspar orthogneiss; Pognh is the same unit with hypersthene
Pum	Pyroxene, magnetite-bearing ultramafic rocks
Pmgns	Beaver River gneiss: well-banded, mafic orthogneiss
Pwgn	Gabbronorite

Paleoproterozoic or older

Disappointment Lake paragneiss (Apm to Am)

Am	White marble
Awph	Welded granulite facies quartzofeldspathic paragneiss
Aod	Banded diorite to quartz diorite within unit Apm
Apm?	Probably unit Apm
Apm	Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 74. Rubidium (*Rb*₂) in lake sediment in the Winokapau Lake area.



GEOLOGY

Mesoproterozoic or older

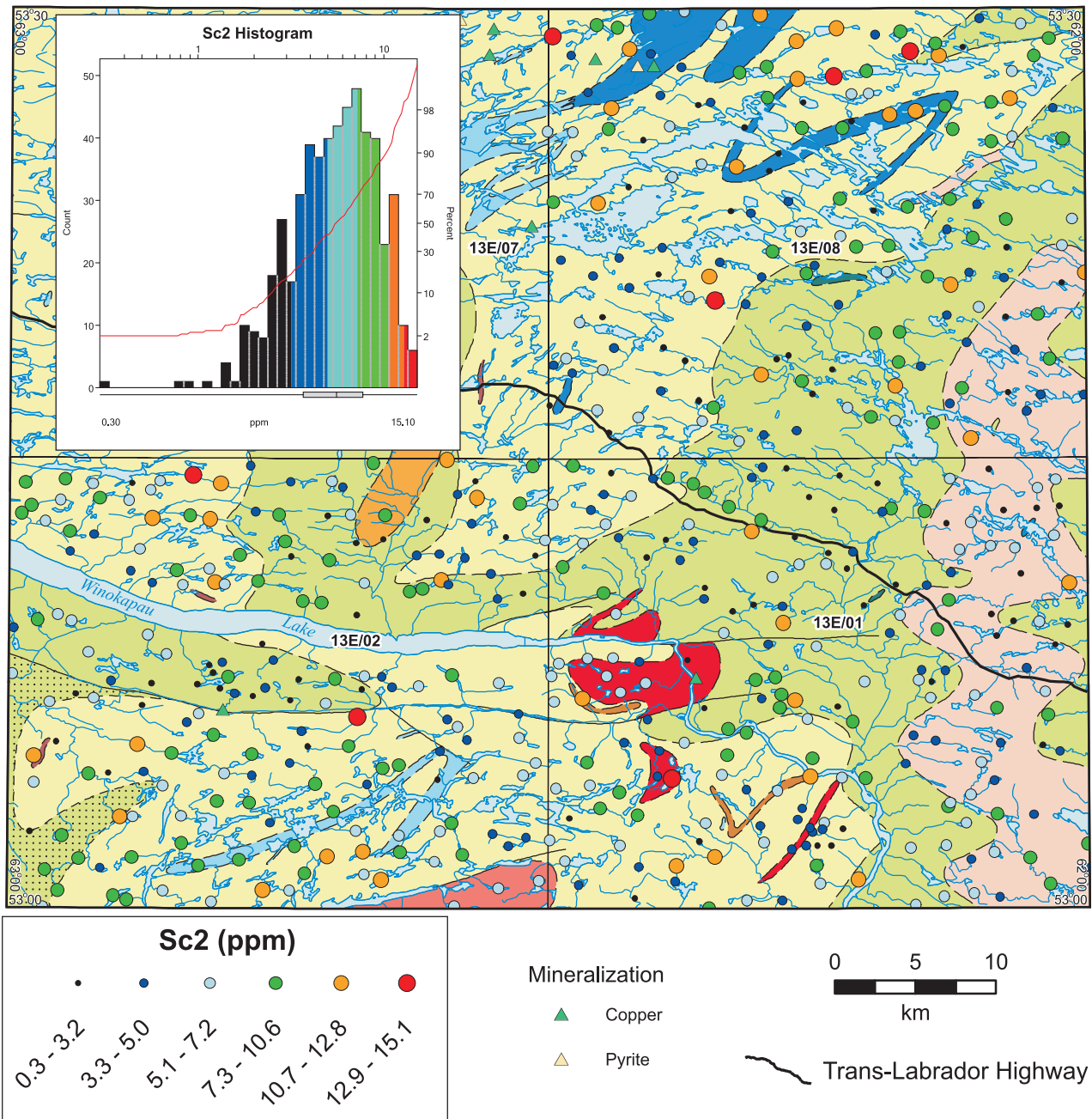
Pg	Foliated gabbro/quartz gabbro
Pgrd	Wilson Lake granodiorite
Pmg	Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
Pogn	Banded- to augen-textured pink, migmatitic feldspar orthogneiss; Pognh is the same unit with hypersthene
Pum	Pyroxene, magnetite-bearing ultramafic rocks
Pmgns	Beaver River gneiss: well-banded, mafic orthogneiss
Pwgn	Gabbronorite

Paleoproterozoic or older

Disappointment Lake paragneiss (Apm to Am)

Am	White marble
Awph	Welded granulite facies quartzofeldspathic paragneiss
Aod	Banded diorite to quartz diorite within unit Apm
Apm?	Probably unit Apm
Apm	Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 75. Scandium (Sc1) in lake sediment in the Winokapau Lake area.



GEOLOGY

Mesoproterozoic or older

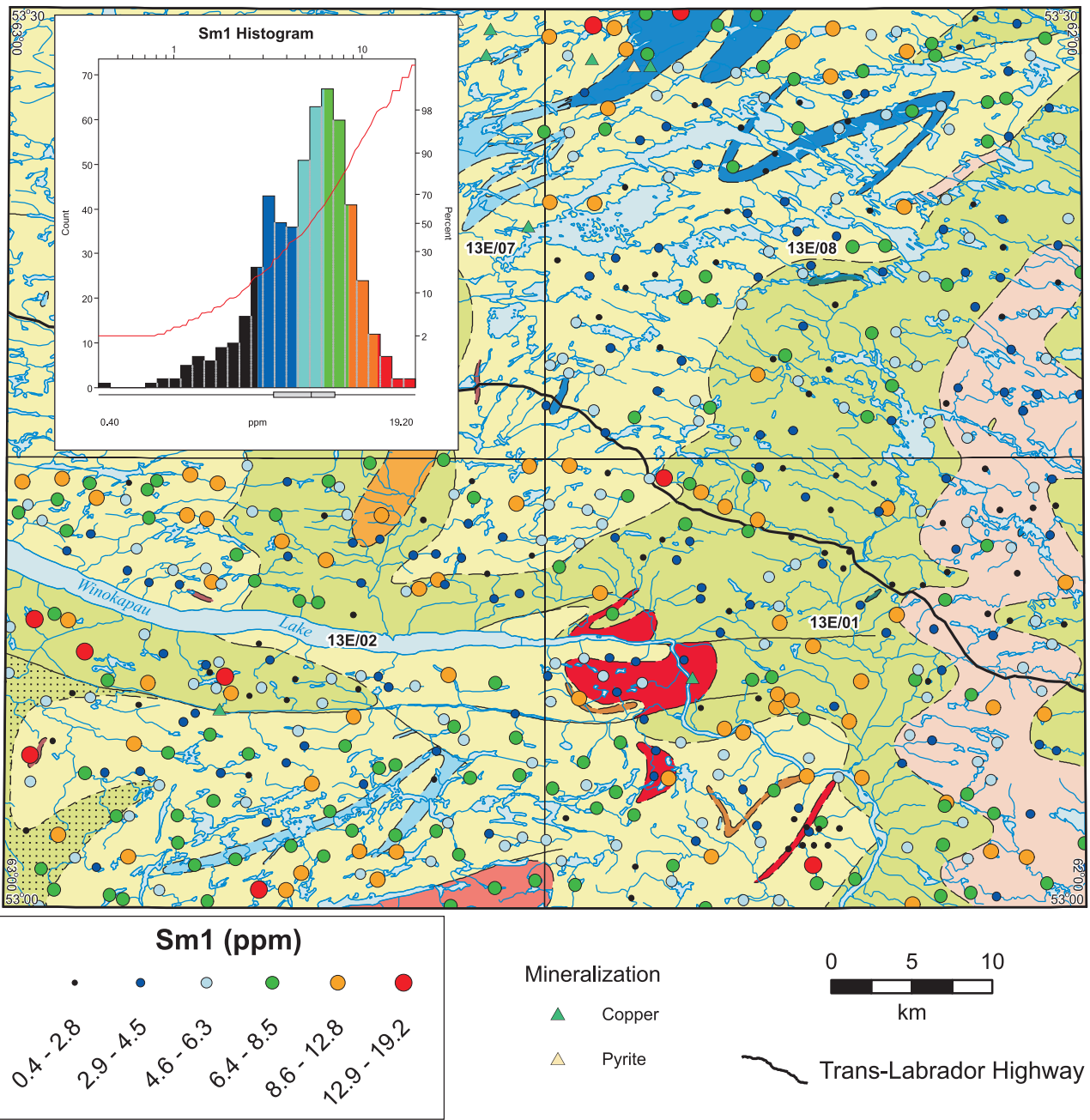
Pg	Foliated gabbro/quartz gabbro
Pgrd	Wilson Lake granodiorite
Pmg	Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
Pogn	Banded- to augen-textured pink, migmatitic feldspar orthogneiss; Pognh is the same unit with hypersthene
Pum	Pyroxene, magnetite-bearing ultramafic rocks
Pmgns	Beaver River gneiss: well-banded, mafic orthogneiss
Pwgn	Gabbronorite

Paleoproterozoic or older

Disappointment Lake paragneiss (Apm to Am)

Am	White marble
Awph	Welded granulite facies quartzofeldspathic paragneiss
Aod	Banded diorite to quartz diorite within unit Apm
Apm?	Probably unit Apm
Apm	Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 76. Scandium (*Sc*₂) in lake sediment in the Winokapau Lake area.



GEOLOGY

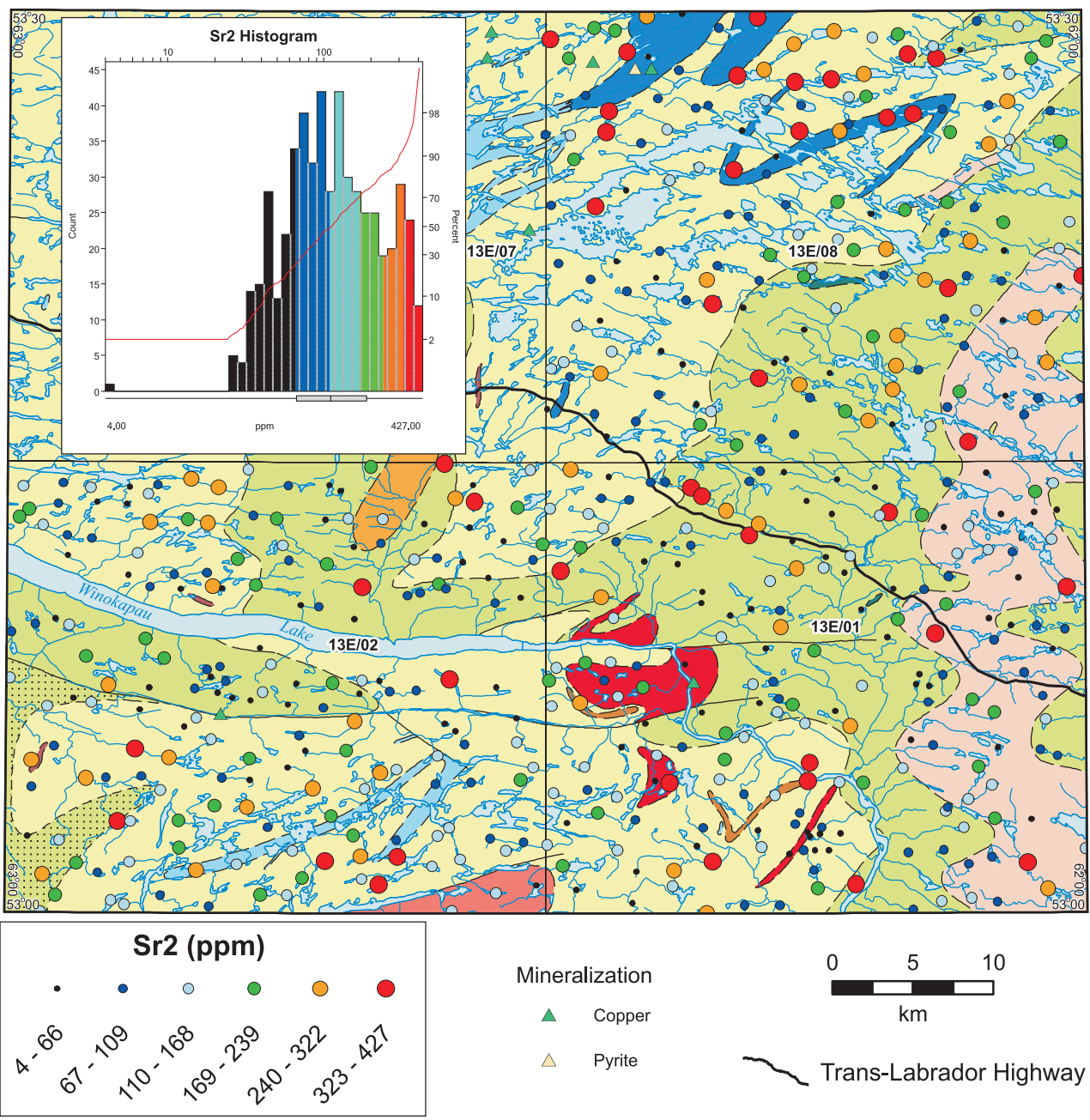
Mesoproterozoic or older

- Pg** Foliated gabbro/quartz gabbro
- Pgrd** Wilson Lake granodiorite
- Pmg** Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
- Pogn** Banded- to augen-textured pink, migmatitic feldspar orthogneiss; **Pognh** is the same unit with hypersthene
- Pum** Pyroxene, magnetite-bearing ultramafic rocks
- Pmgns** Beaver River gneiss: well-banded, mafic orthogneiss
- Pwgn** Gabbronorite

Paleoproterozoic or older

- Disappointment Lake paragneiss (Apm to Am)**
- Am** White marble
 - Awph** Welded granulite facies quartzofeldspathic paragneiss
 - Aod** Banded diorite to quartz diorite within unit Apm
 - Apm?** Probably unit Apm
 - Apm** Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 77. *Samarium (Sm1) in lake sediment in the Winokapau Lake area.*



GEOLOGY

Mesoproterozoic or older

Pg	Foliated gabbro/quartz gabbro
Pgrd	Wilson Lake granodiorite
Pmg	Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
Pogn	Banded- to augen-textured pink, migmatitic feldspar orthogneiss; Pognh is the same unit with hypersthene
Pum	Pyroxene, magnetite-bearing ultramafic rocks
Pmgns	Beaver River gneiss: well-banded, mafic orthogneiss
Pwgn	Gabbronorite

Paleoproterozoic or older

Disappointment Lake paragneiss (Apm to Am)

Am	White marble
Awph	Welded granulite facies quartzofeldspathic paragneiss
Aod	Banded diorite to quartz diorite within unit Apm
Apm?	Probably unit Apm
Apm	Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 78. Strontium (*Sr*₂) in lake sediment in the Winokapau Lake area.

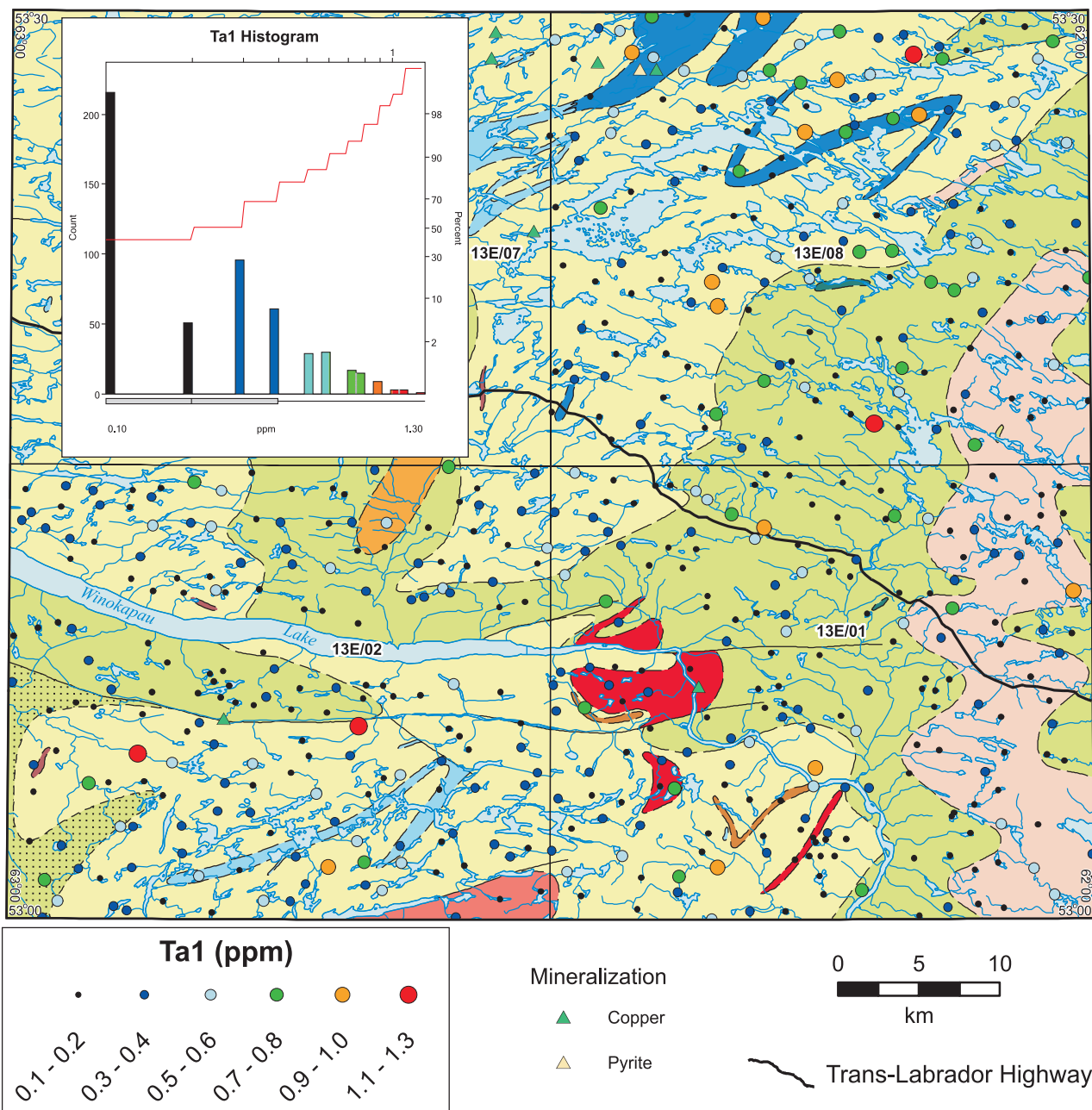


Figure 79. Tantalum (Ta1) in lake sediment in the Winokapau Lake area.

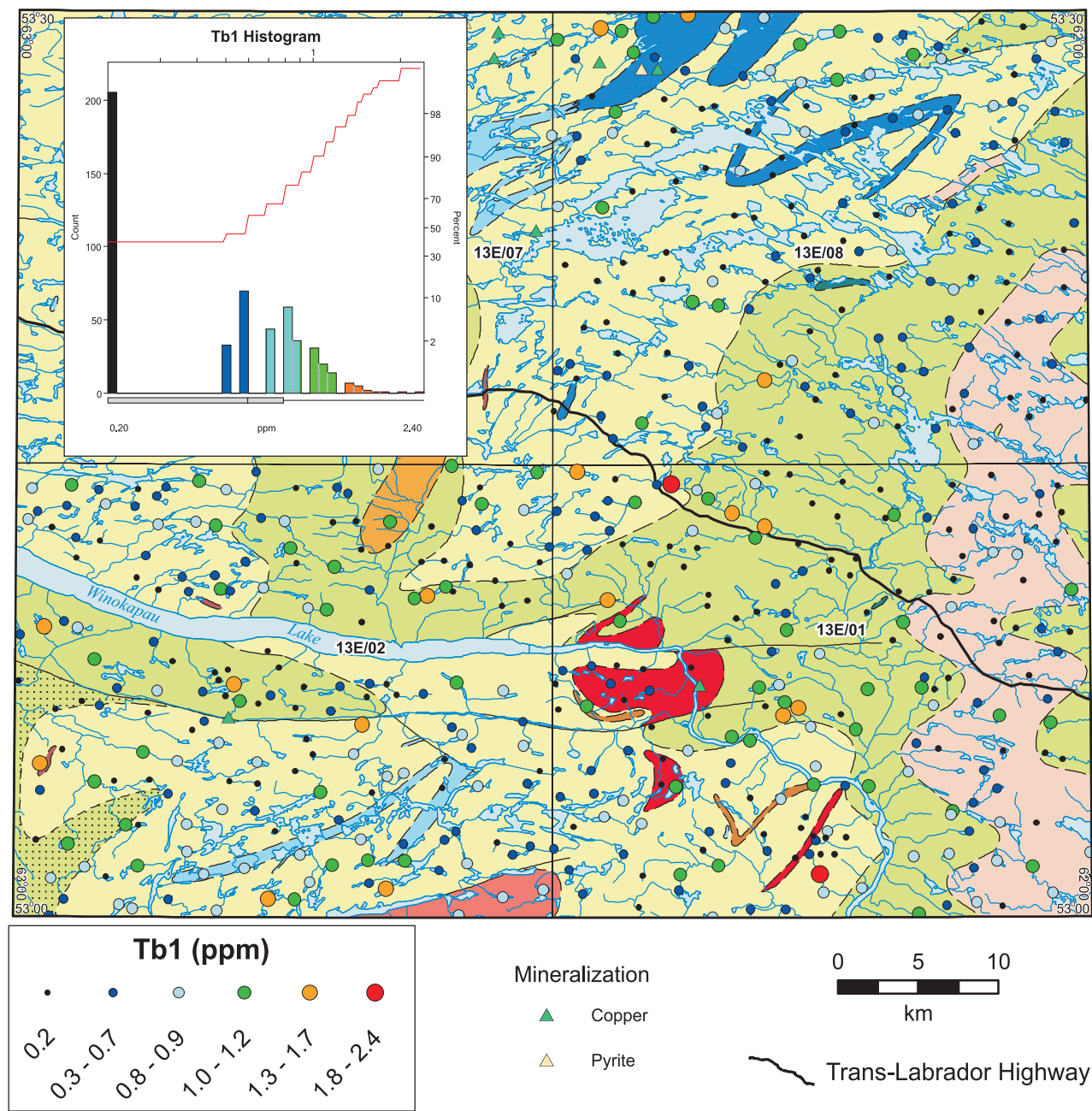
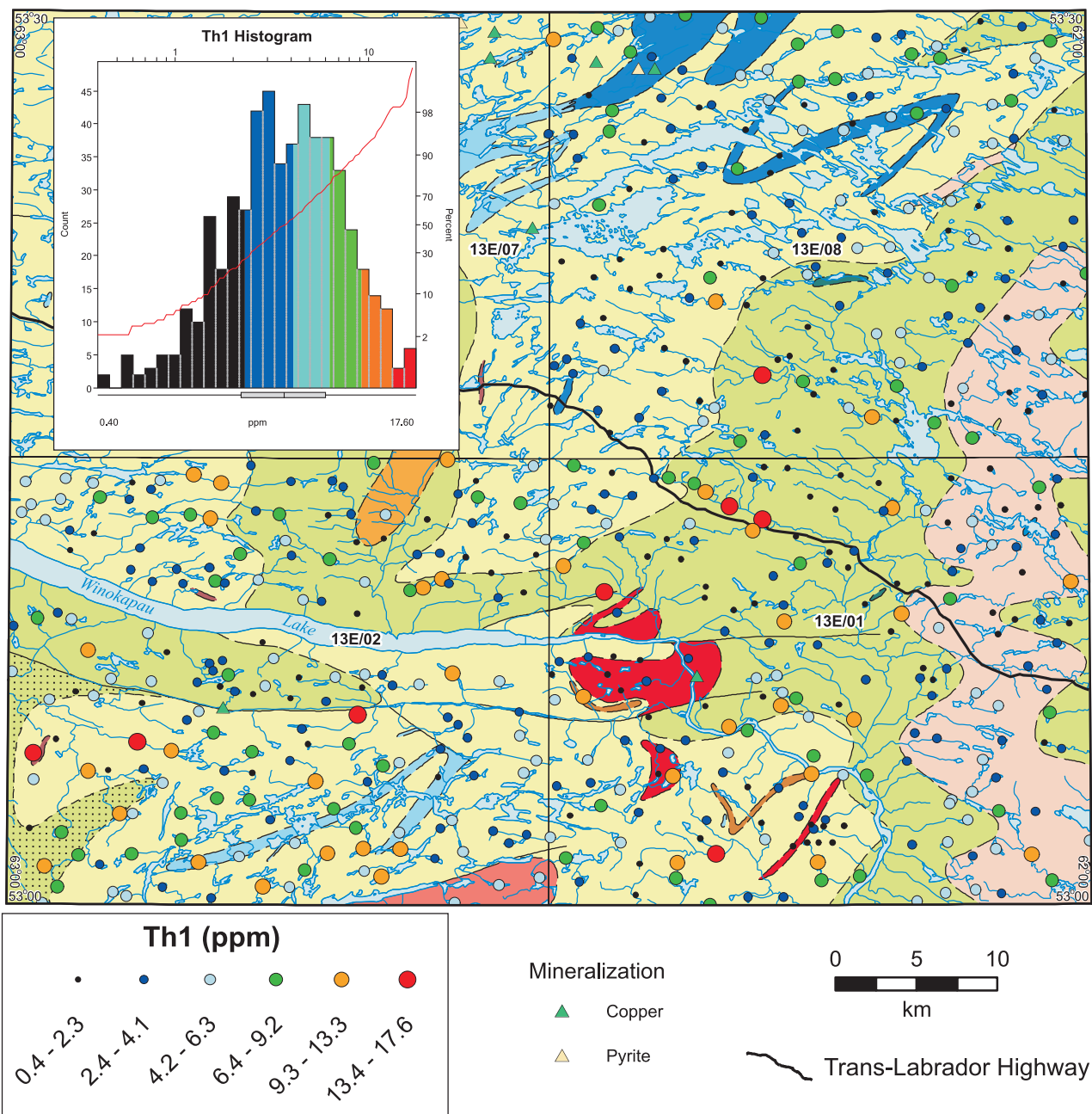


Figure 80. Terbium (Tb1) in lake sediment in the Winokapau Lake area.



GEOLOGY

Mesoproterozoic or older

- Pg** Foliated gabbro/quartz gabbro
- Pgrd** Wilson Lake granodiorite
- Pmg** Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
- Pogn** Banded- to augen-textured pink, migmatitic feldspar orthogneiss; **Pognh** is the same unit with hypersthene
- Pum** Pyroxene, magnetite-bearing ultramafic rocks
- Pmgns** Beaver River gneiss: well-banded, mafic orthogneiss
- Pwgn** Gabbroonorite

Paleoproterozoic or older

- Disappointment Lake paragneiss (Apm to Am)**
- Am** White marble
- Awph** Welded granulite facies quartzofeldspathic paragneiss
- Aod** Banded diorite to quartz diorite within unit Apm
- Apm?** Probably unit Apm
- Apm** Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 81. Thorium (*Th1*) in lake sediment in the Winokapau Lake area.

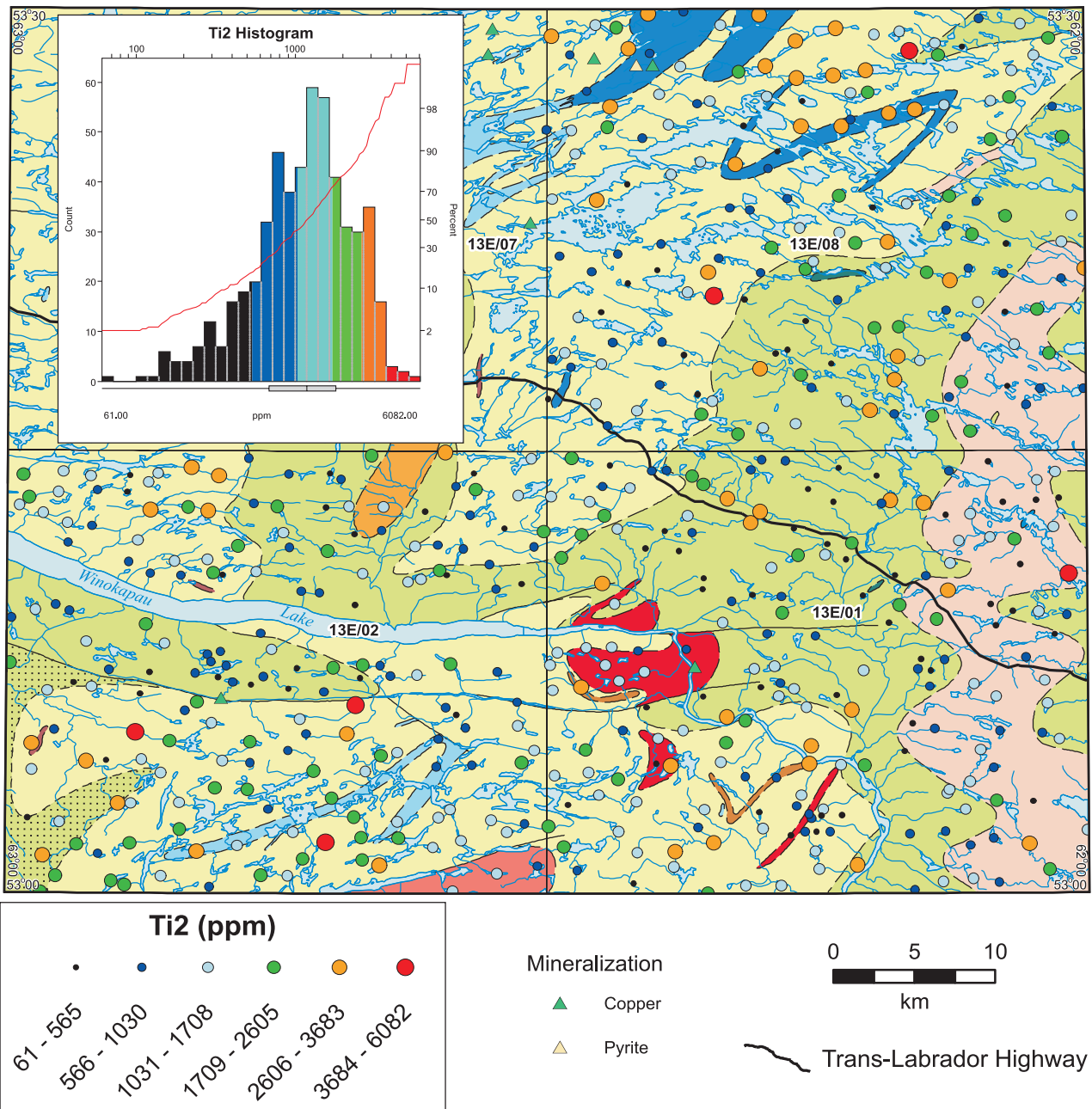


Figure 82. Titanium (Ti₂) in lake sediment in the Winokapau Lake area.

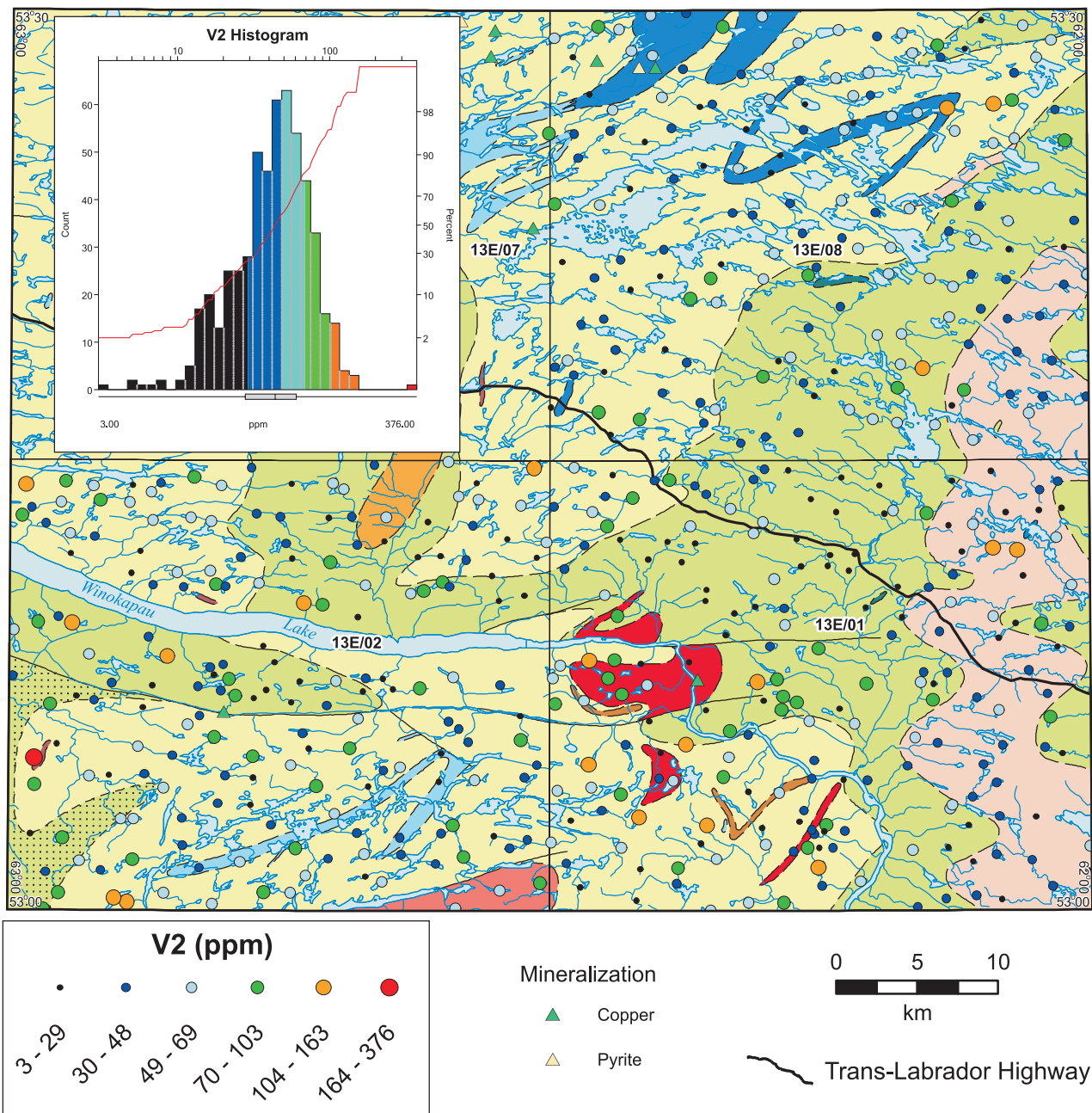
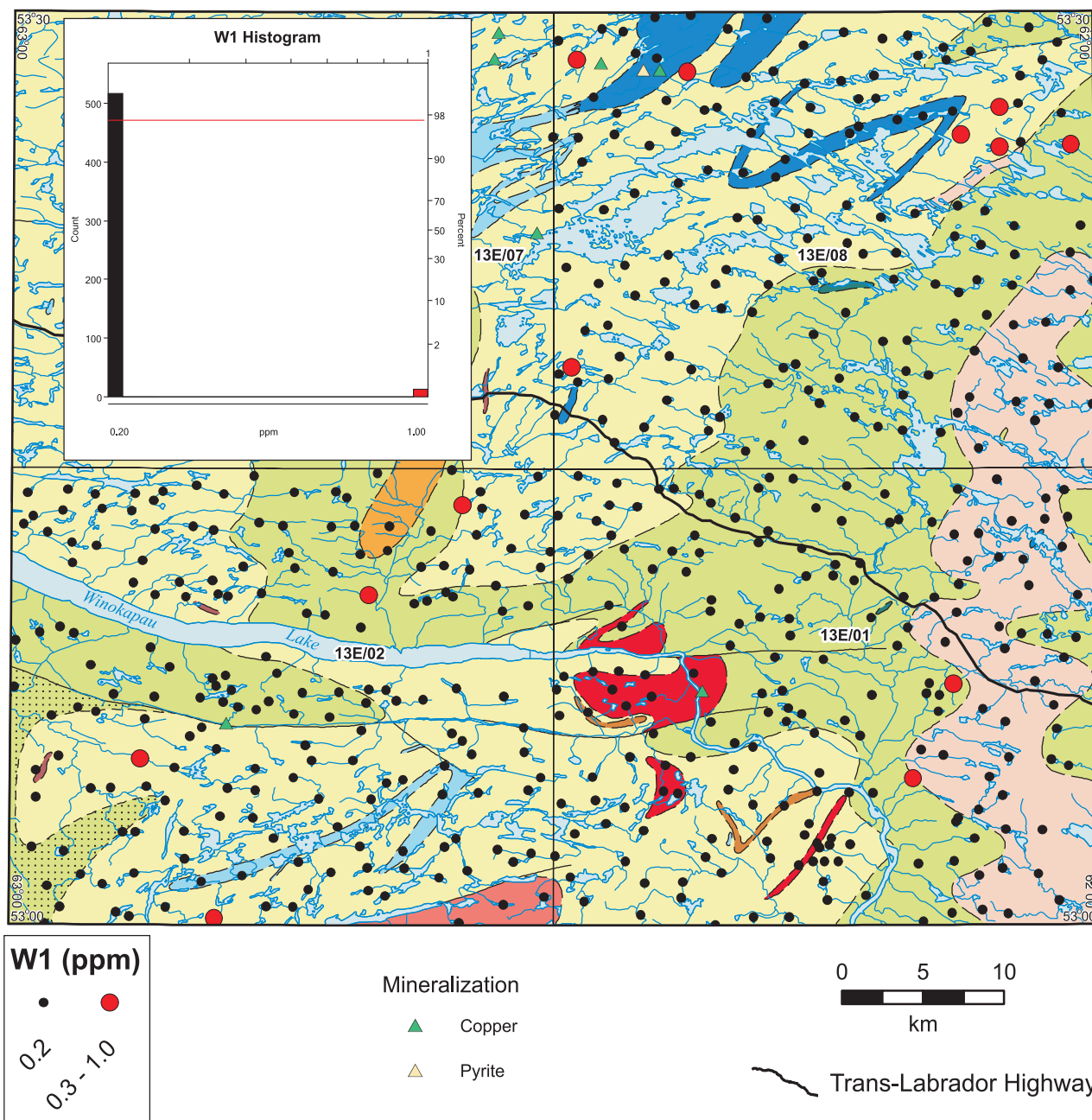


Figure 83. Vanadium (*V2*) in lake sediment in the Winokapau Lake area.



GEOLOGY

Mesoproterozoic or older

Pg	Foliated gabbro/quartz gabbro
Pgrd	Wilson Lake granodiorite
Pmg	Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
Pogn	Banded- to augen-textured pink, migmatitic feldspar orthogneiss; Pognh is the same unit with hypersthene
Pum	Pyroxene, magnetite-bearing ultramafic rocks
Pmgns	Beaver River gneiss: well-banded, mafic orthogneiss
Pwgn	Gabbronorite

Paleoproterozoic or older

Disappointment Lake paragneiss (Apm to Am)

Am	White marble
Awph	Welded granulite facies quartzofeldspathic paragneiss
Aod	Banded diorite to quartz diorite within unit Apm
Apm?	Probably unit Apm
Apm	Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 84. Tungsten (*W1*) in lake sediment in the Winokapau Lake area.

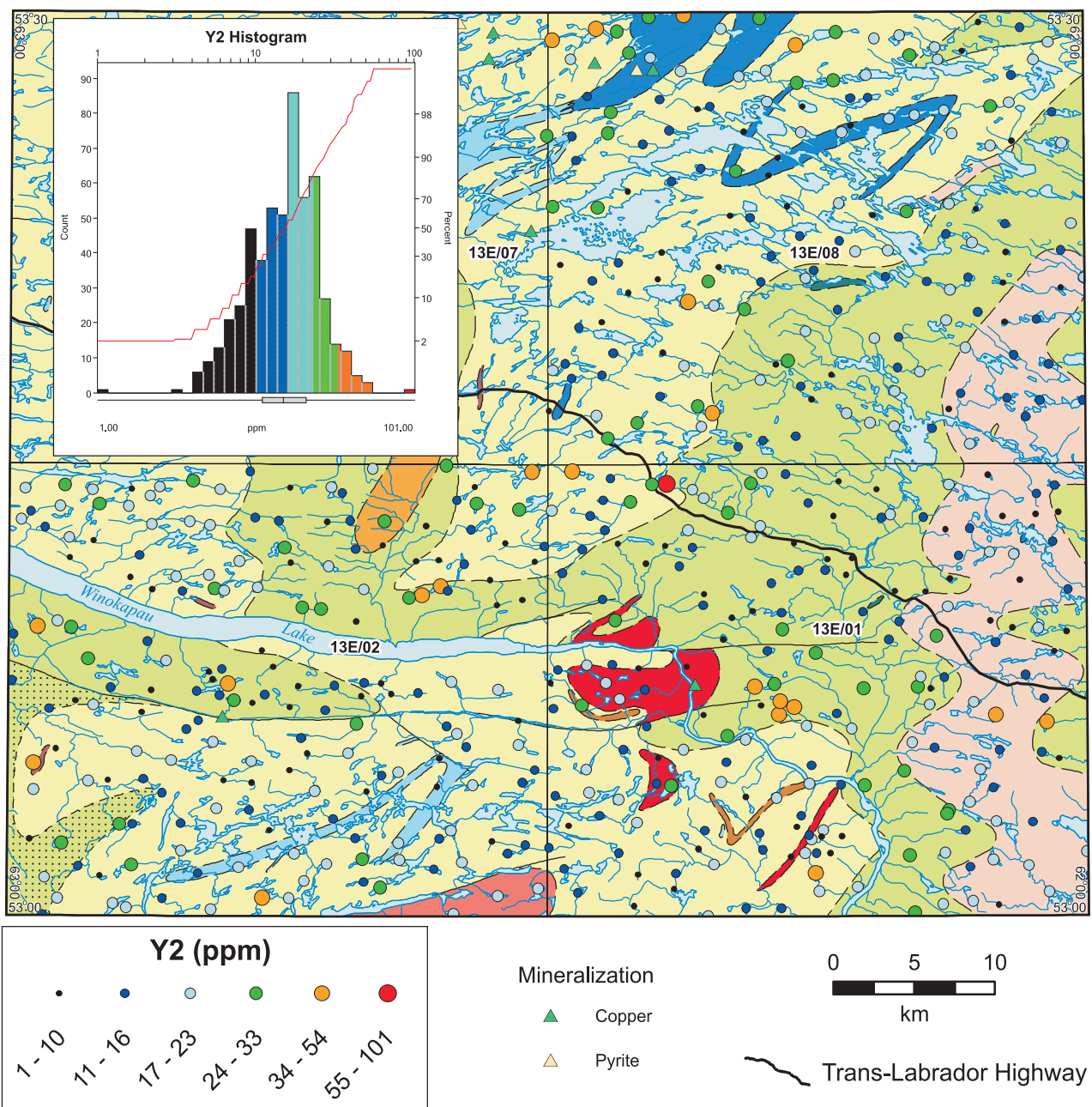
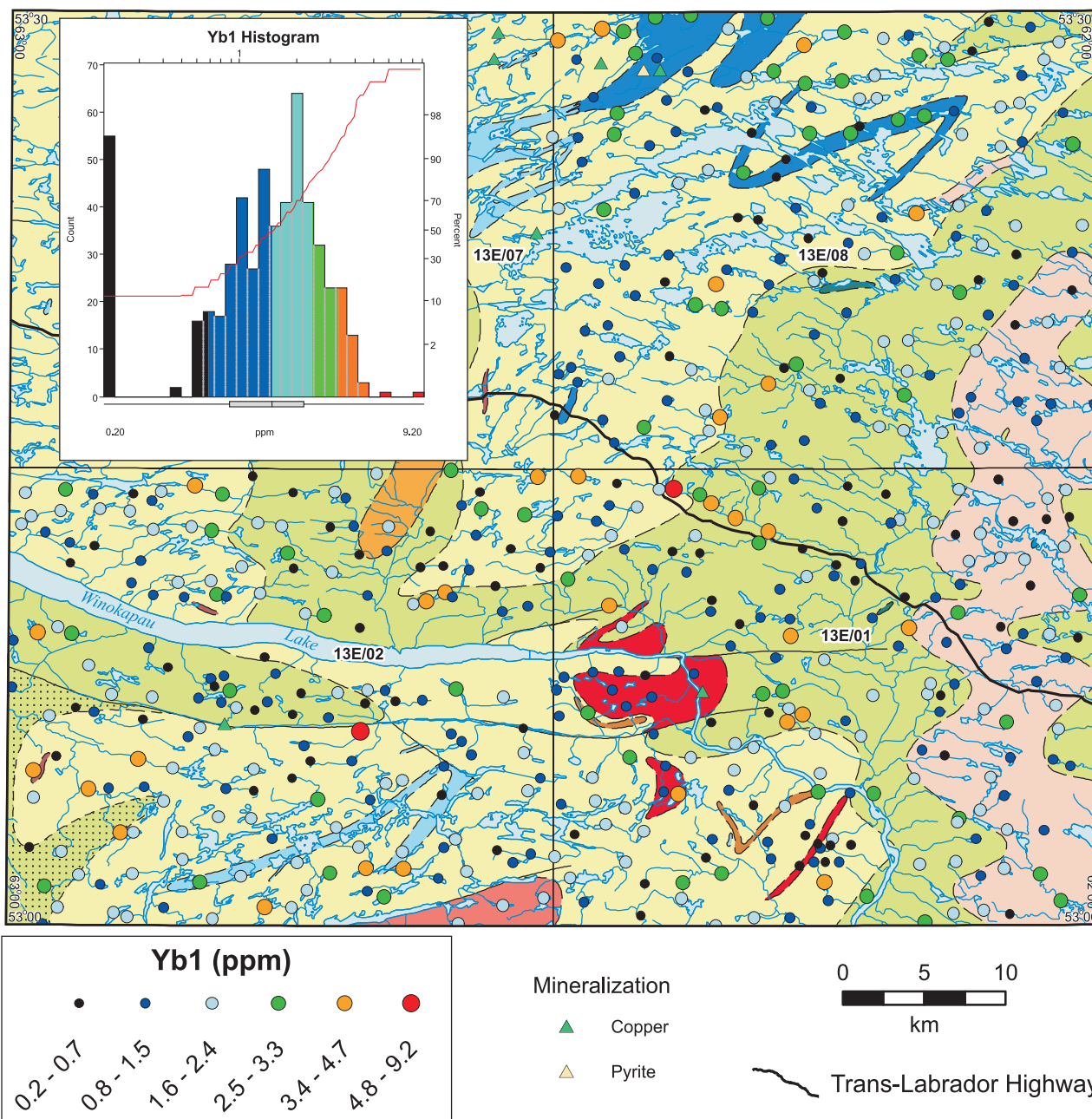


Figure 85. Yttrium (Y2) in lake sediment in the Winokapu Lake area.



GEOLOGY

Mesoproterozoic or older

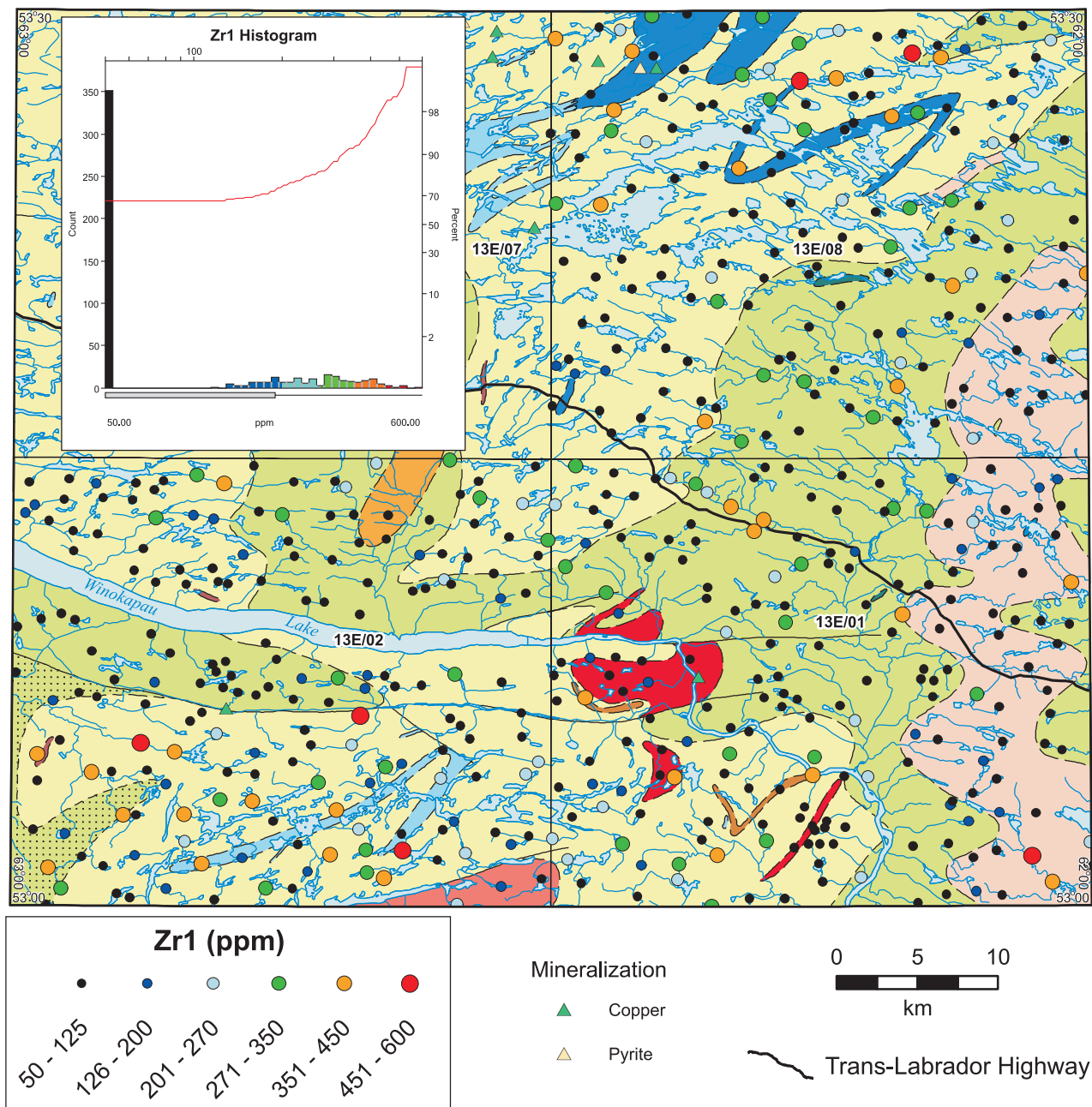
Pg	Foliated gabbro/quartz gabbro
Pgrd	Wilson Lake granodiorite
Pmg	Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
Pogn	Banded- to augen-textured pink, migmatitic feldspar orthogneiss; Pognh is the same unit with hypersthene
Pum	Pyroxene, magnetite-bearing ultramafic rocks
Pmgns	Beaver River gneiss: well-banded, mafic orthogneiss
Pwgn	Gabbronorite

Paleoproterozoic or older

Disappointment Lake paragneiss (Apm to Am)

Am	White marble
Awph	Welded granulite facies quartzofeldspathic paragneiss
Aod	Banded diorite to quartz diorite within unit Apm
Apm?	Probably unit Apm
Apm	Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 86. Ytterbium (Yb1) in lake sediment in the Winokapau Lake area.



GEOLOGY

Mesoproterozoic or older

Pg	Foliated gabbro/quartz gabbro
Pgrd	Wilson Lake granodiorite
Pmg	Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
Pogn	Banded- to augen-textured pink, migmatitic feldspar orthogneiss; Pognh is the same unit with hypersthene
Pum	Pyroxene, magnetite-bearing ultramafic rocks
Pmgns	Beaver River gneiss: well-banded, mafic orthogneiss
Pwgn	Gabbronorite

Paleoproterozoic or older

Disappointment Lake paragneiss (Apm to Am)

Am	White marble
Awph	Welded granulite facies quartzofeldspathic paragneiss
Aod	Banded diorite to quartz diorite within unit Apm
Apm?	Probably unit Apm
Apm	Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 87. Zirconium (Zr1) in lake sediment in the Winokapau Lake area.

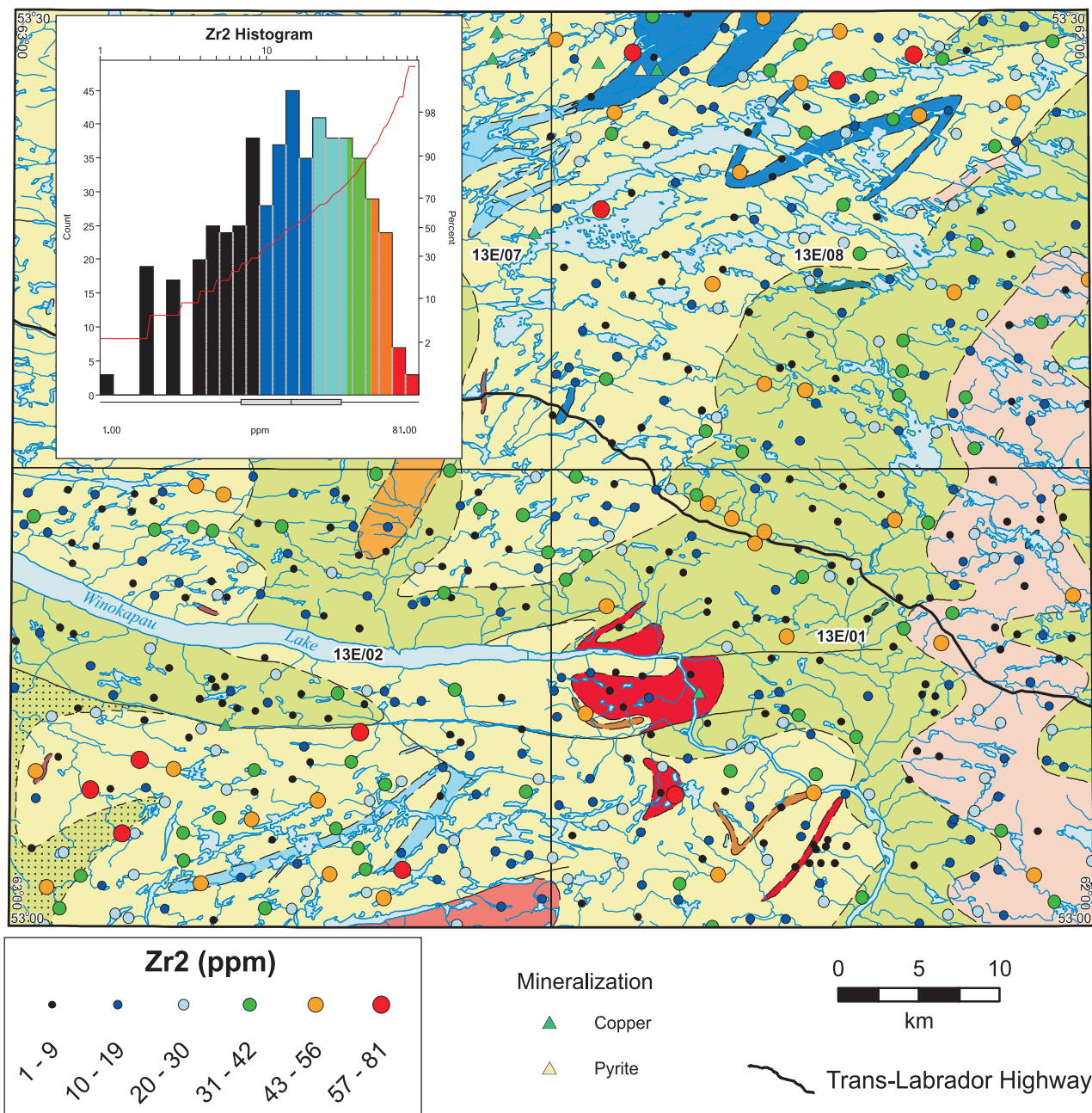
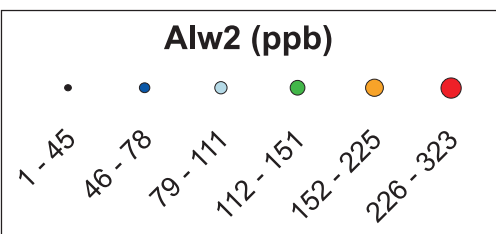
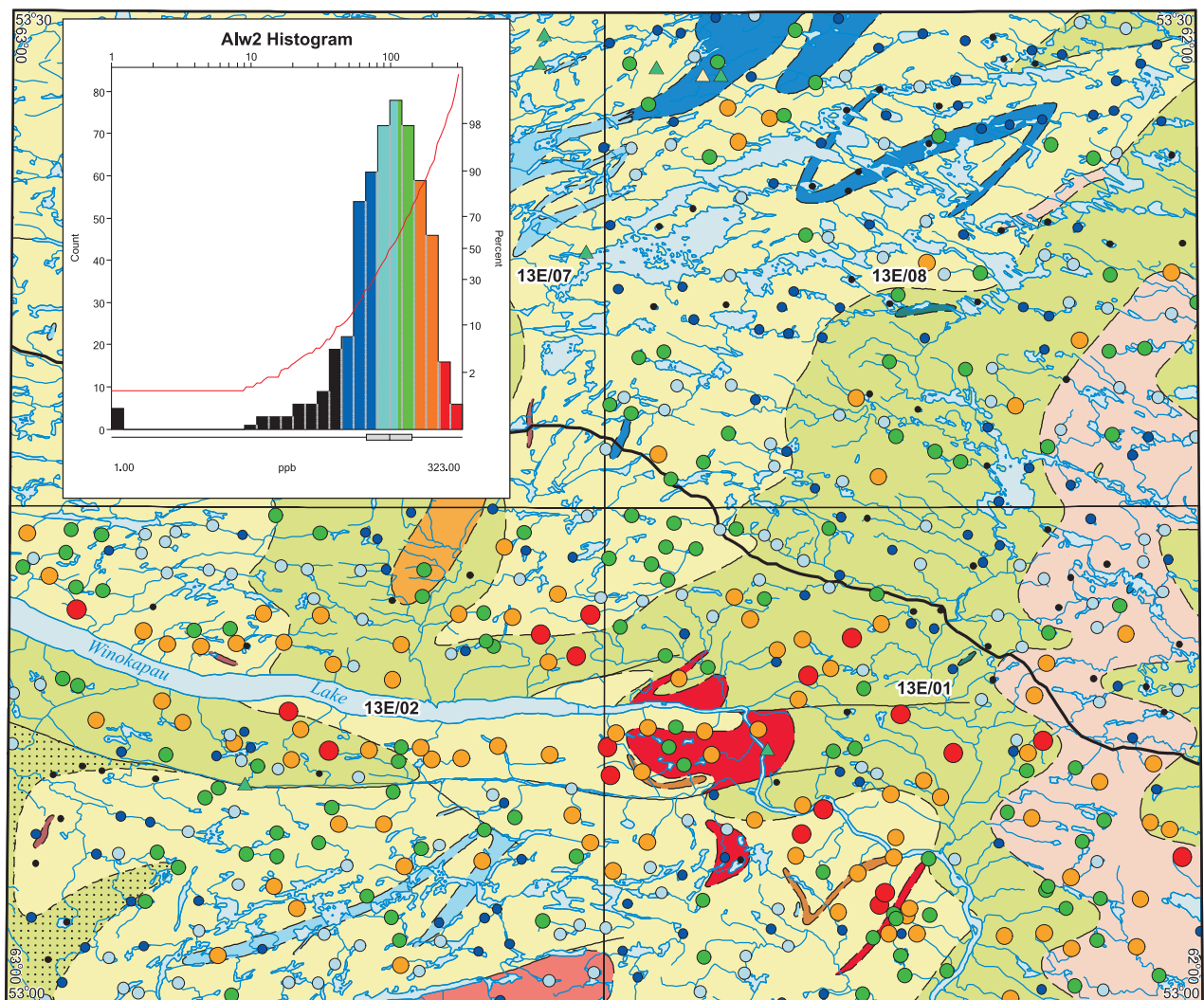
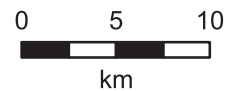


Figure 88. Zirconium (*Zr₂*) in lake sediment in the Winokapau Lake area.



Mineralization

- ▲ Copper
- △ Pyrite



— Trans-Labrador Highway

GEOLOGY

Mesoproterozoic or older

- Pg** Foliated gabbro/quartz gabbro
- Pgrd** Wilson Lake granodiorite
- Pmg** Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
- Pogn** Banded- to augen-textured pink, migmatitic feldspar orthogneiss; **Pognh** is the same unit with hypersthene
- Pum** Pyroxene, magnetite-bearing ultramafic rocks
- Pmgns** Beaver River gneiss: well-banded, mafic orthogneiss
- Pwgn** Gabbroironite

Paleoproterozoic or older

Disappointment Lake paragneiss (Apm to Am)

- Am** White marble
- Awph** Welded granulite facies quartzofeldspathic paragneiss
- Aod** Banded diorite to quartz diorite within unit Apm
- Apm?** Probably unit Apm
- Apm** Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 89. Aluminum (Alw2) in lake water in the Winokapau Lake area.

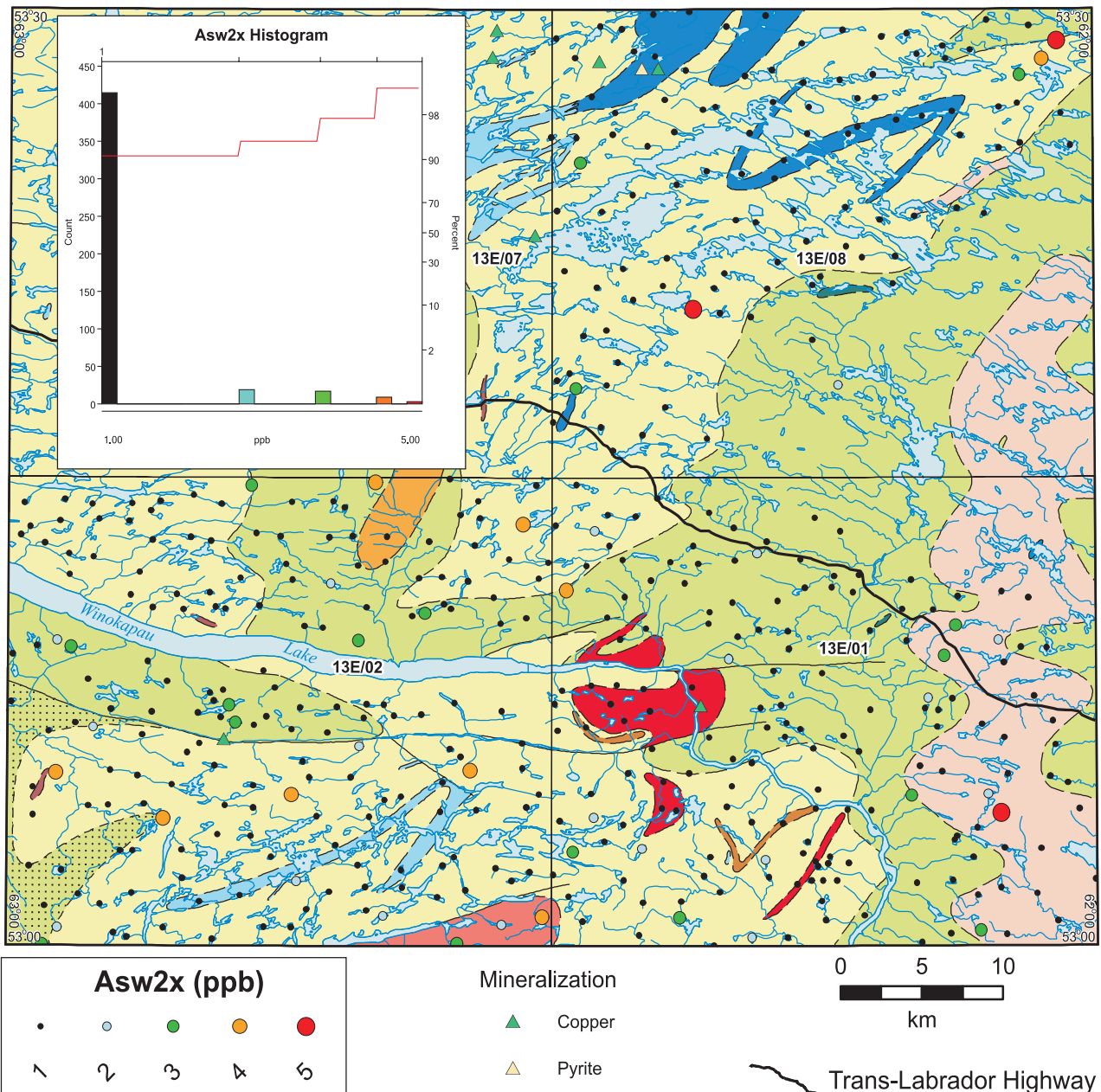


Figure 90. Arsenic (*Asw2x*) in lake water in the Winokapau Lake area.

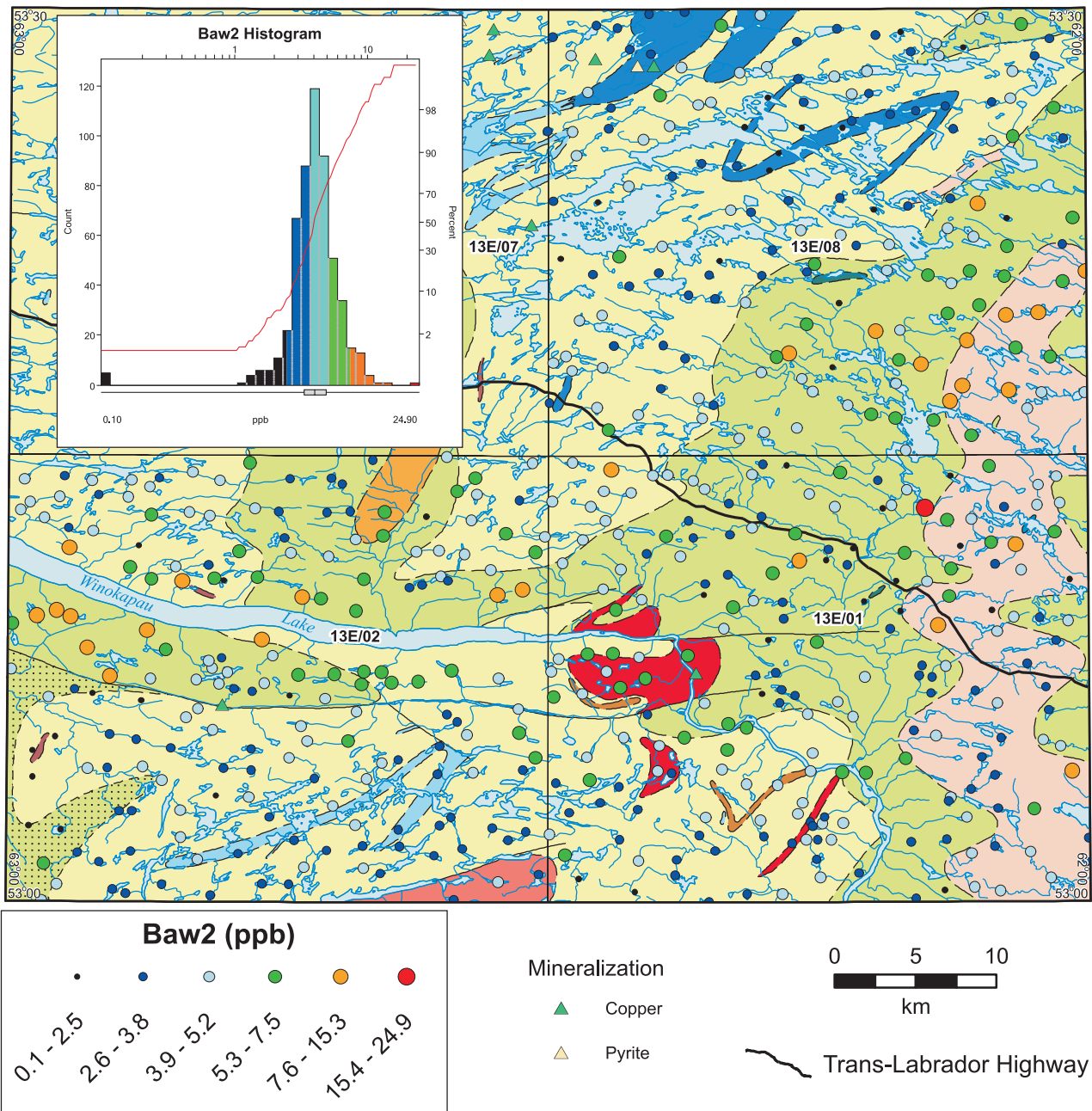
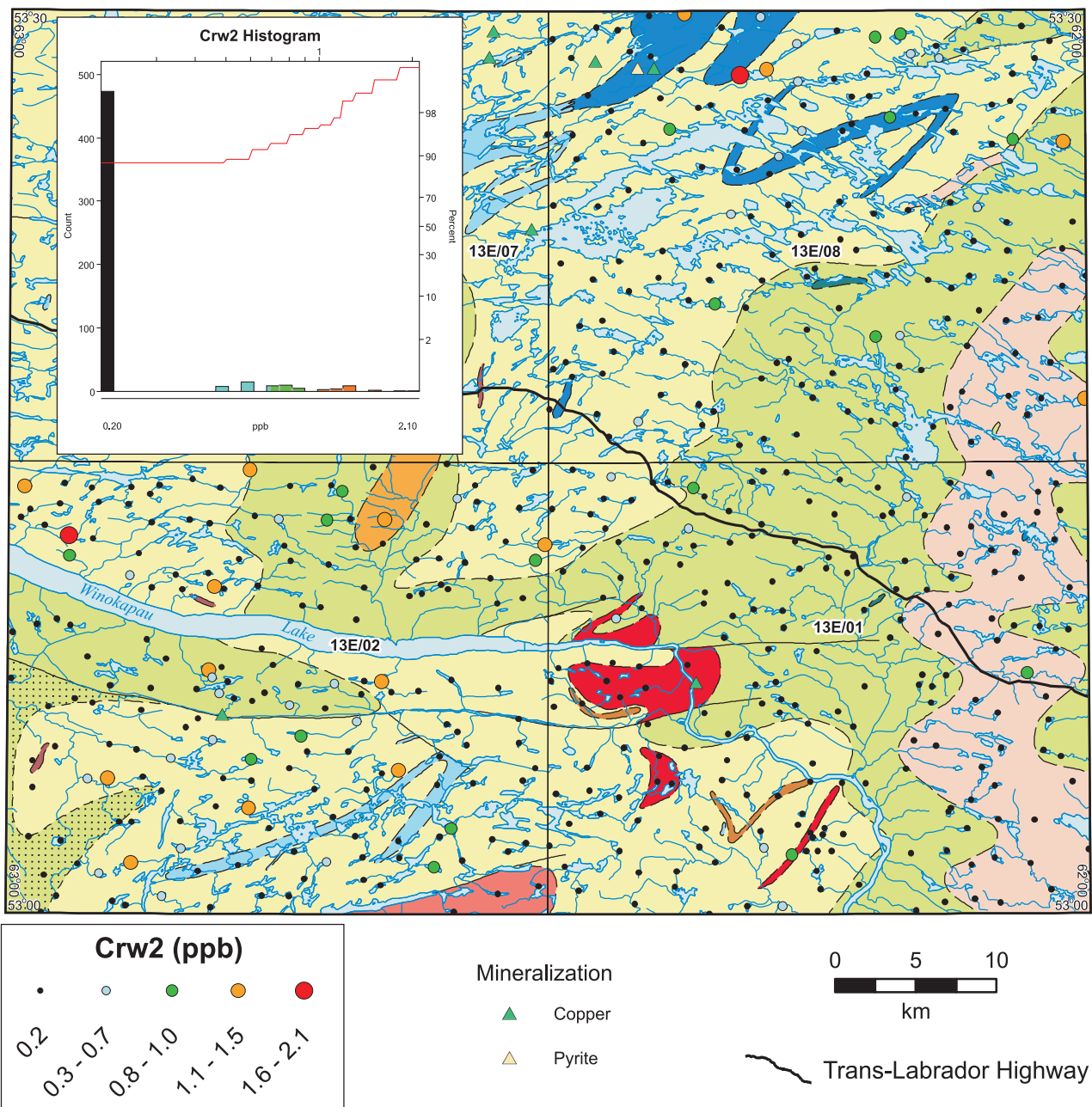


Figure 91. Barium (*Baw2*) in lake water in the Winokapau Lake area.



GEOLOGY

Mesoproterozoic or older

Pg	Foliated gabbro/quartz gabbro
Pgrd	Wilson Lake granodiorite
Pmg	Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
Pogn	Banded- to augen-textured pink, migmatitic feldspar orthogneiss; Pognh is the same unit with hypersthene
Pum	Pyroxene, magnetite-bearing ultramafic rocks
Pmgns	Beaver River gneiss: well-banded, mafic orthogneiss
Pwgn	Gabbronrite

Paleoproterozoic or older

Disappointment Lake paragneiss (Apm to Am)

Am	White marble
Awph	Welded granulite facies quartzofeldspathic paragneiss
Aod	Banded diorite to quartz diorite within unit Apm
Apm?	Probably unit Apm
Apm	Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 92. Chromium (Crw2) in lake water in the Winokapau Lake area.

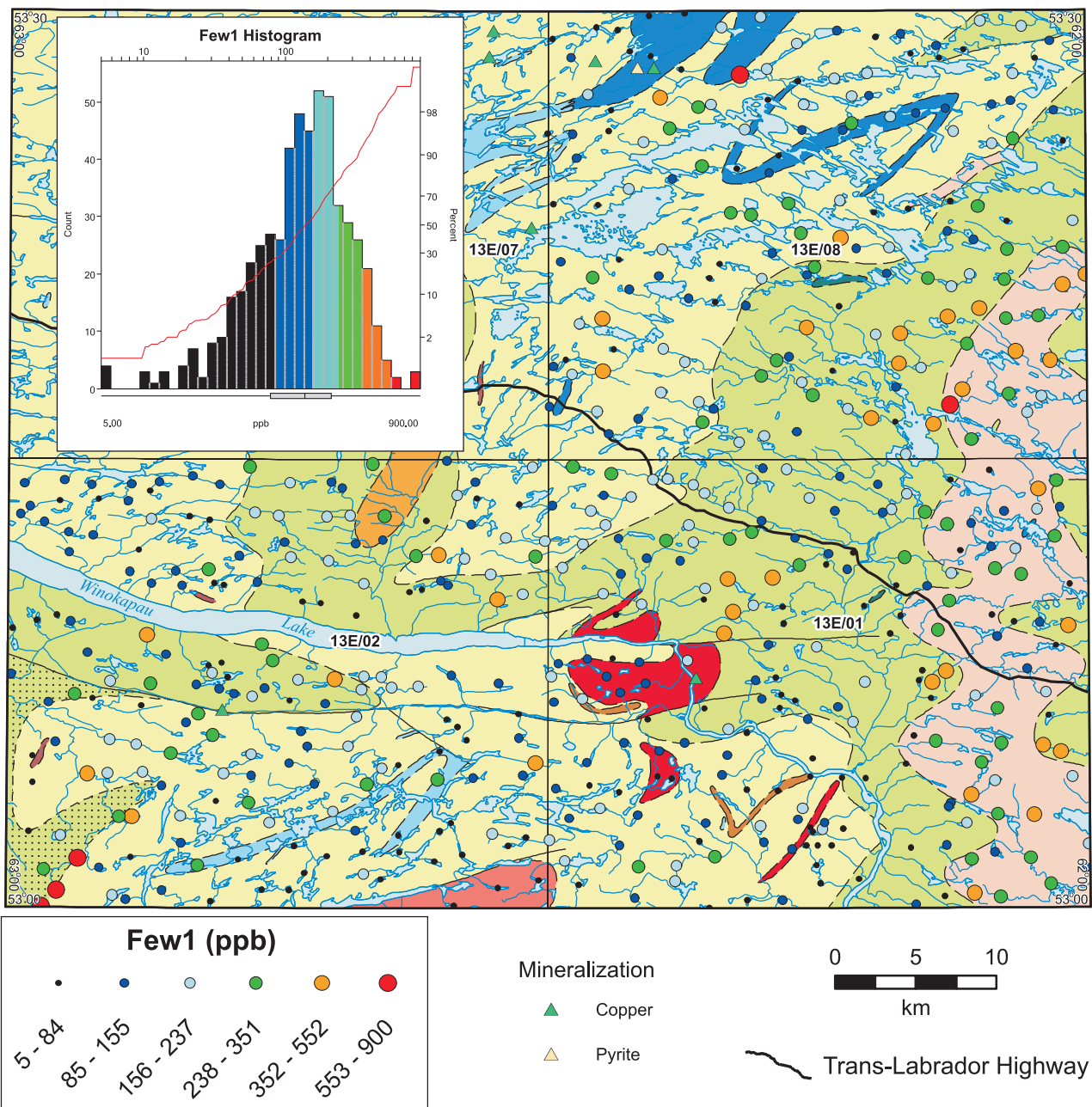
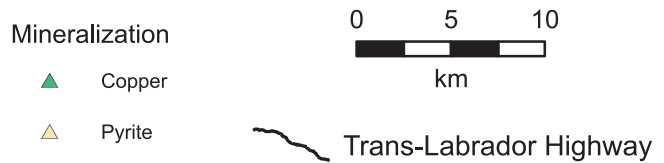
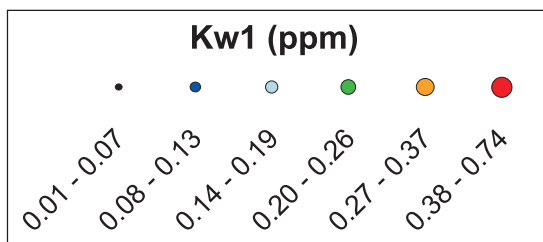
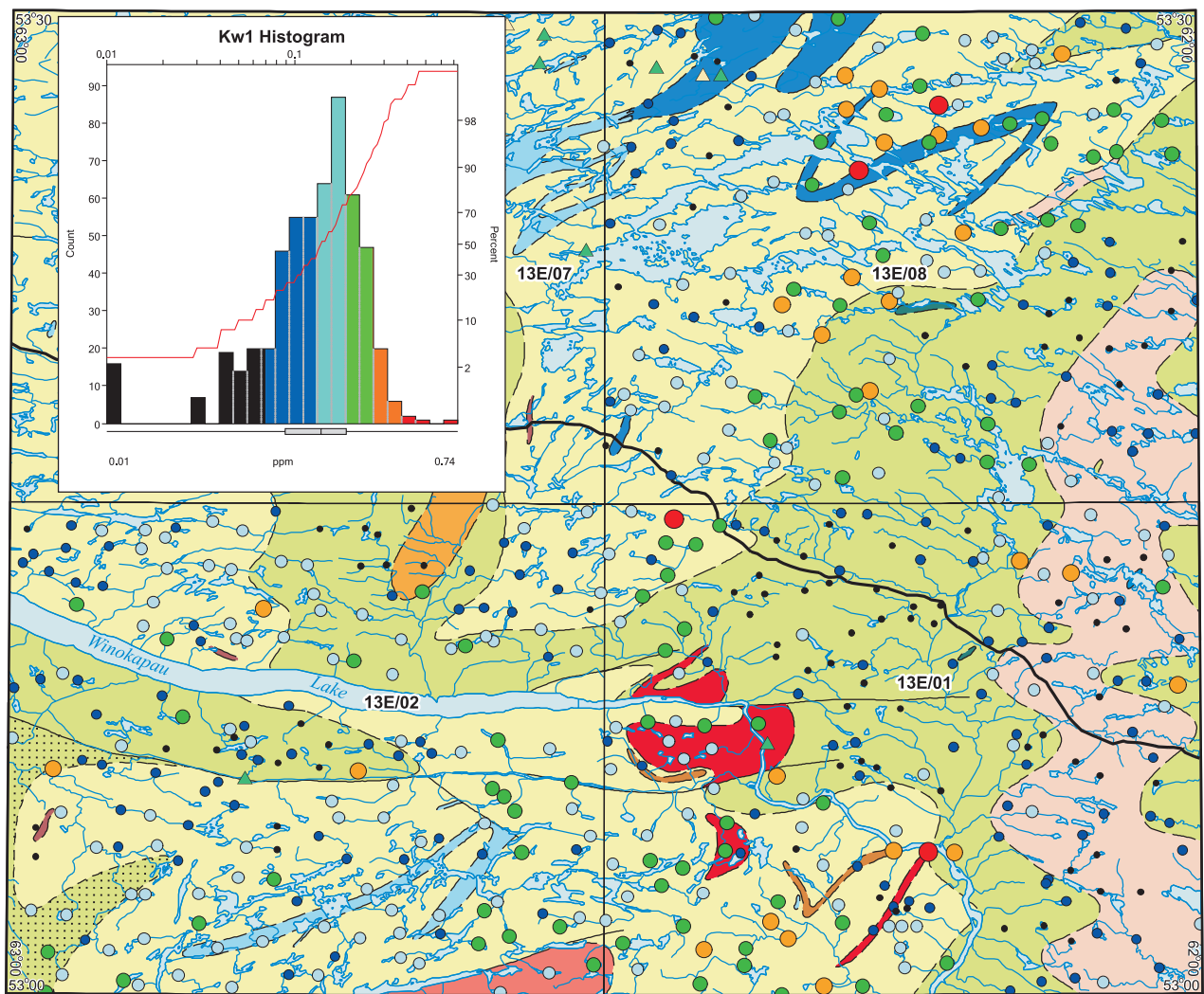


Figure 93. Iron (*Few1*) in lake water in the Winokapau Lake area.



GEOLOGY

Mesoproterozoic or older

- Pg** Foliated gabbro/quartz gabbro
- Pgrd** Wilson Lake granodiorite
- Pmg** Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
- Pogn** Banded- to augen-textured pink, migmatitic feldspar orthogneiss; **Pognh** is the same unit with hypersthene
- Pum** Pyroxene, magnetite-bearing ultramafic rocks
- Pmgns** Beaver River gneiss: well-banded, mafic orthogneiss
- Pwgn** Gabbrogonite

Paleoproterozoic or older

Disappointment Lake paragneiss (Apm to Am)

- Am** White marble
- Awph** Welded granulite facies quartzofeldspathic paragneiss
- Aod** Banded diorite to quartz diorite within unit Apm
- Apm?** Probably unit Apm
- Apm** Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 94. Potassium (Kw1) in lake water in the Winokapau Lake area.

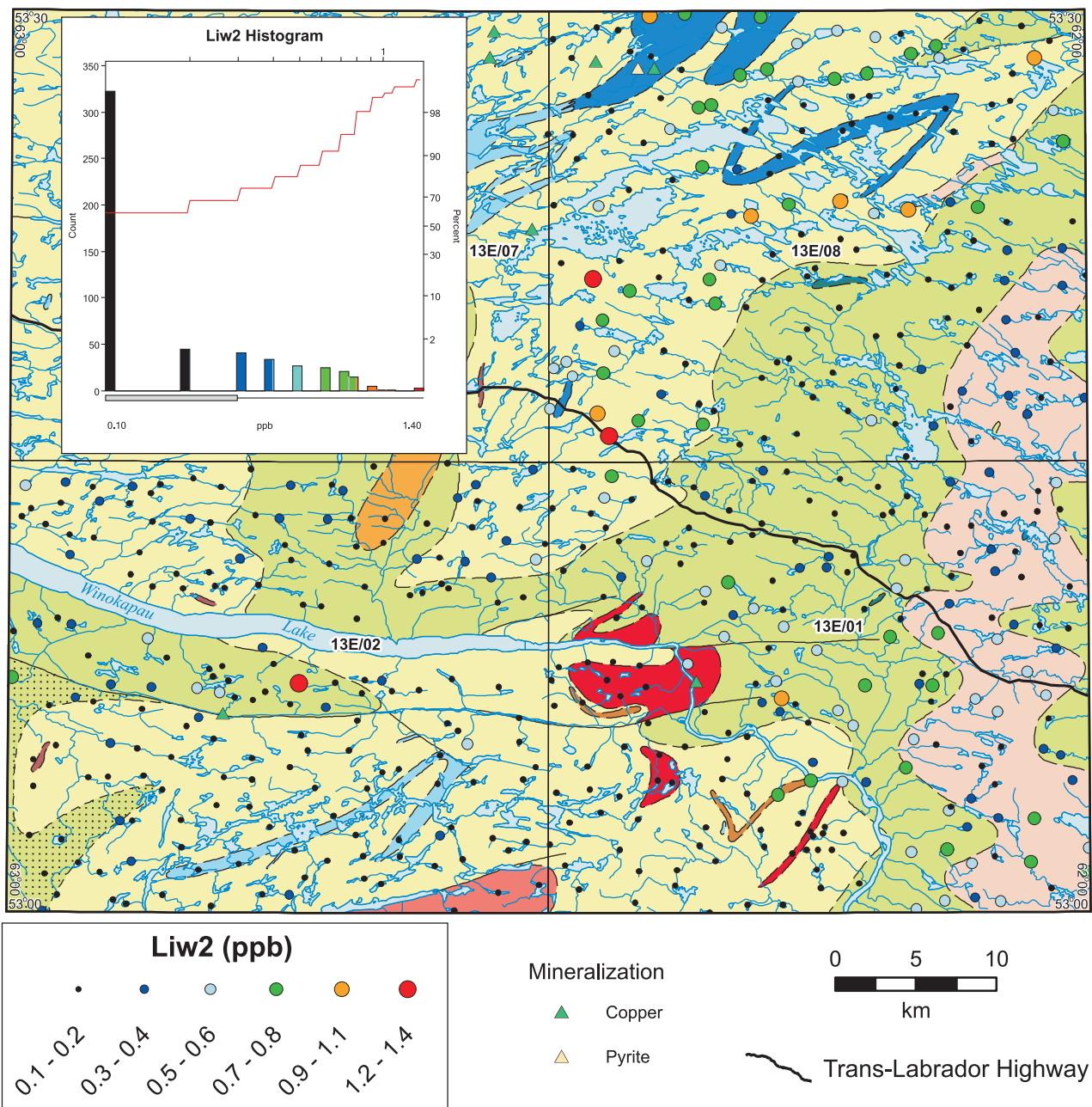
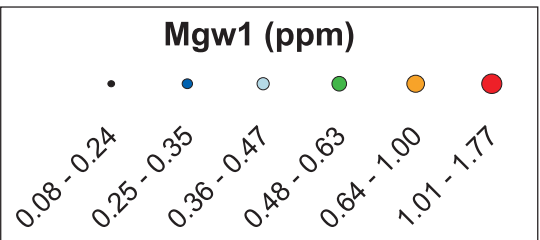
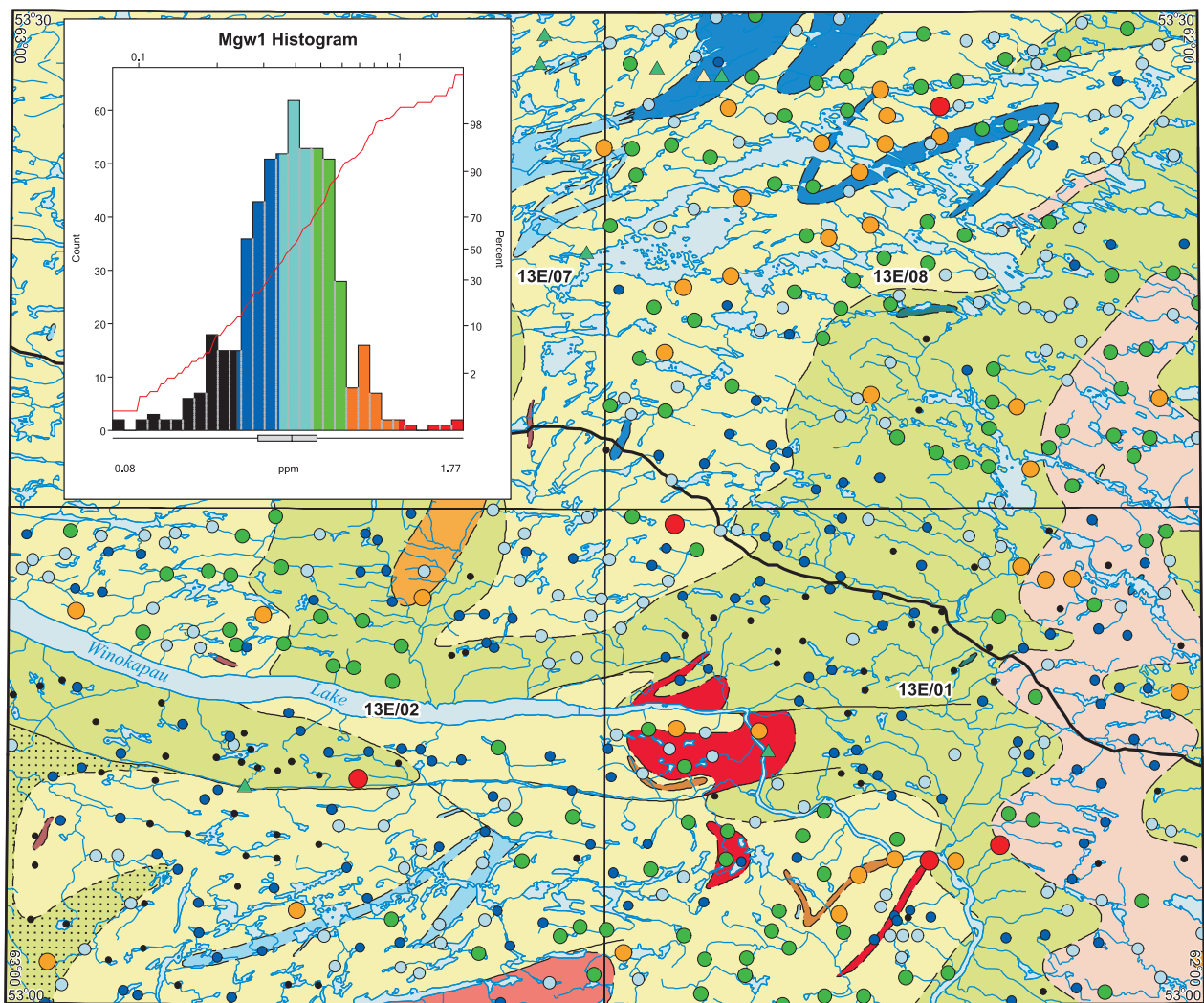


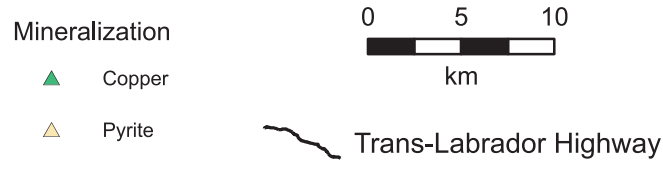
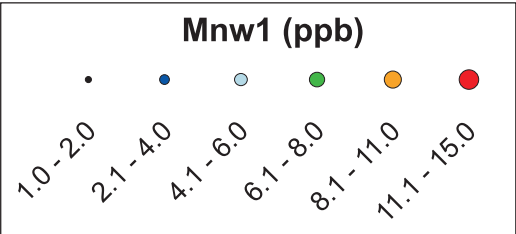
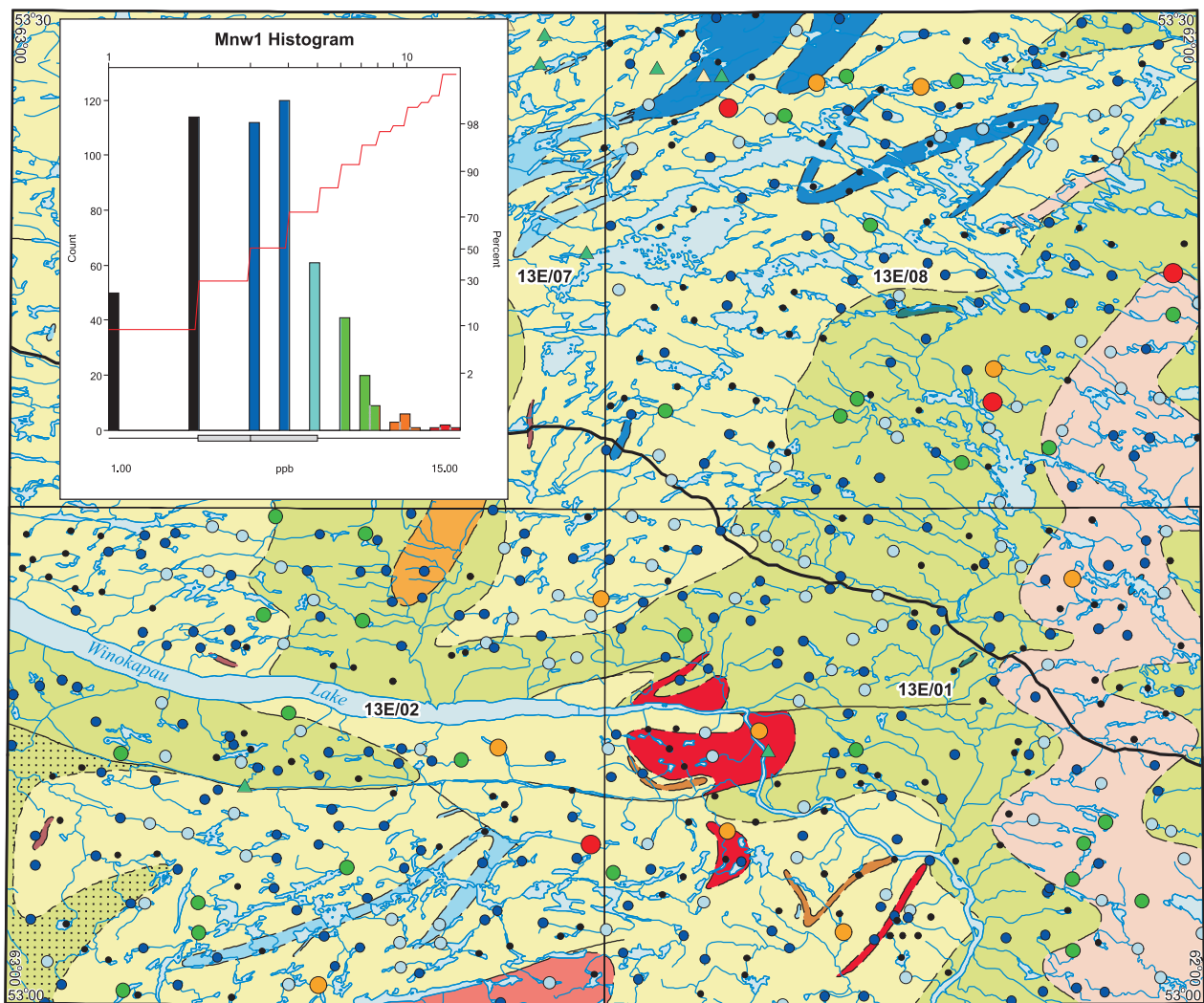
Figure 95. Lithium (Liw2) in lake water in the Winokapau Lake area.



GEOLOGY

- | | | | |
|---------------------------------|---|---|--|
| Mesoproterozoic or older | | Paleoproterozoic or older | |
| Pg | Foliated gabbro/quartz gabbro | Disappointment Lake paragneiss (Apm to Am) | |
| Pgrd | Wilson Lake granodiorite | Am | White marble |
| Pmg | Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite | Awph | Welded granulite facies quartzofeldspathic paragneiss |
| Pogn | Banded- to augen-textured pink, migmatitic feldspar orthogneiss; Pognh is the same unit with hypersthene | Aod | Banded diorite to quartz diorite within unit Apm |
| Pum | Pyroxene, magnetite-bearing ultramafic rocks | Apm? | Probably unit Apm |
| Pmgns | Beaver River gneiss: well-banded, mafic orthogneiss | Apm | Middle to upper amphibolite facies quartzofeldspathic paragneiss |
| Pwgn | Gabbronorite | | |

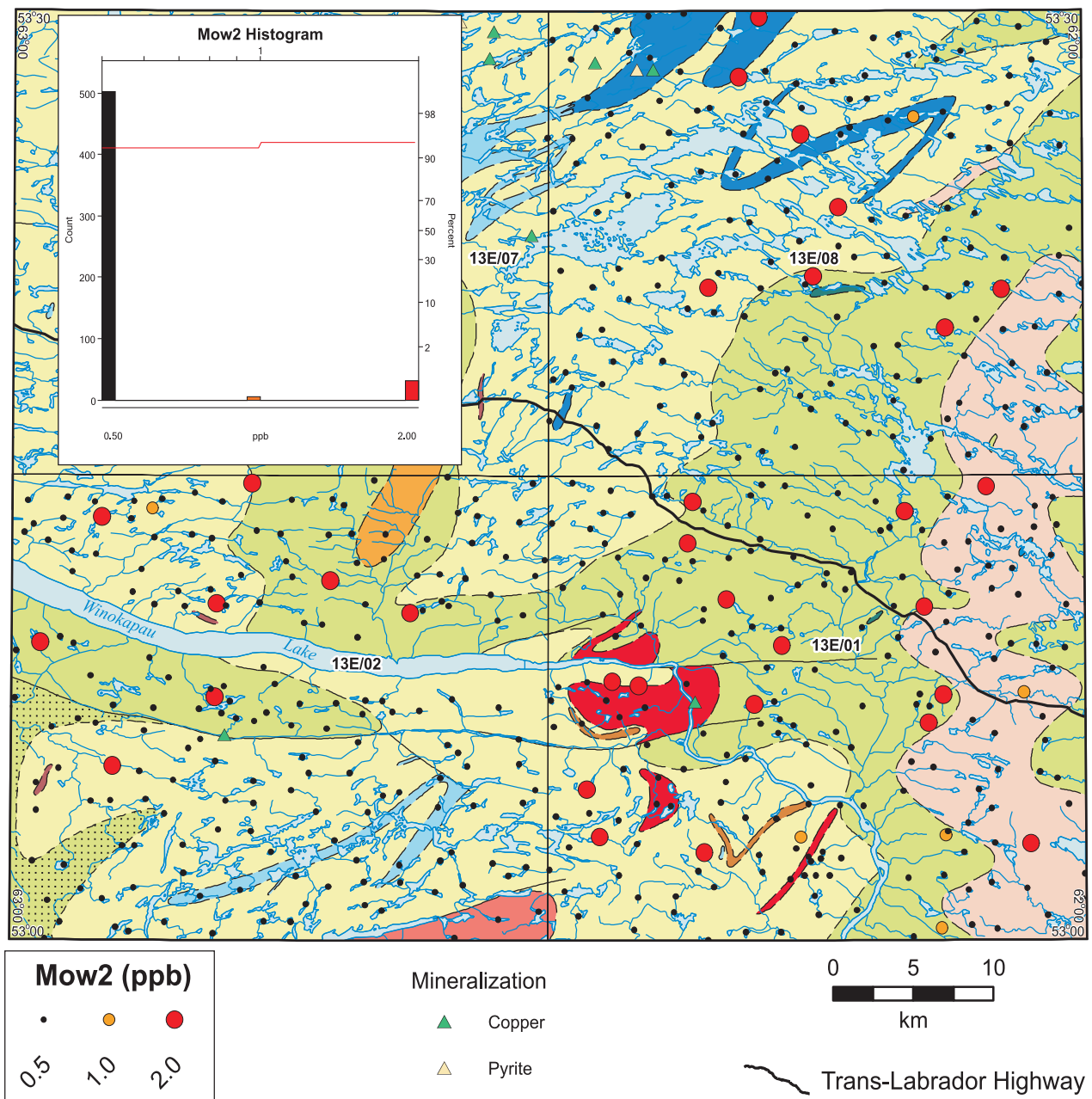
Figure 96. Magnesium (*Mgw1*) in lake water in the Winokapau Lake area.



GEOLOGY

Mesoproterozoic or older	Paleoproterozoic or older
Pg Foliated gabbro/quartz gabbro	Disappointment Lake paragneiss (Apm to Am)
Pgrd Wilson Lake granodiorite	Am White marble
Pmg Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite	Awph Welded granulite facies quartzofeldspathic paragneiss
Pogn Banded- to augen-textured pink, migmatitic feldspar orthogneiss; Pognh is the same unit with hypersthene	Aod Banded diorite to quartz diorite within unit Apm
Pum Pyroxene, magnetite-bearing ultramafic rocks	Apm? Probably unit Apm
Pmgns Beaver River gneiss: well-banded, mafic orthogneiss	Apm Middle to upper amphibolite facies quartzofeldspathic paragneiss
Pwgn Gabbronorite	

Figure 97. Manganese (*Mnw1*) in lake water in the Winokapau Lake area.



GEOLOGY

Mesoproterozoic or older

Pg	Foliated gabbro/quartz gabbro
Pgrd	Wilson Lake granodiorite
Pmg	Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
Pogn	Banded- to augen-textured pink, migmatitic feldspar orthogneiss; Pognh is the same unit with hypersthene
Pum	Pyroxene, magnetite-bearing ultramafic rocks
Pmgns	Beaver River gneiss: well-banded, mafic orthogneiss
Pwgn	Gabbronorite

Paleoproterozoic or older

Disappointment Lake paragneiss (Apm to Am)

Am	White marble
Awph	Welded granulite facies quartzofeldspathic paragneiss
Aod	Banded diorite to quartz diorite within unit Apm
Apm?	Probably unit Apm
Apm	Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 98. Molybdenum (*Mow2*) in lake water in the Winokapau Lake area.

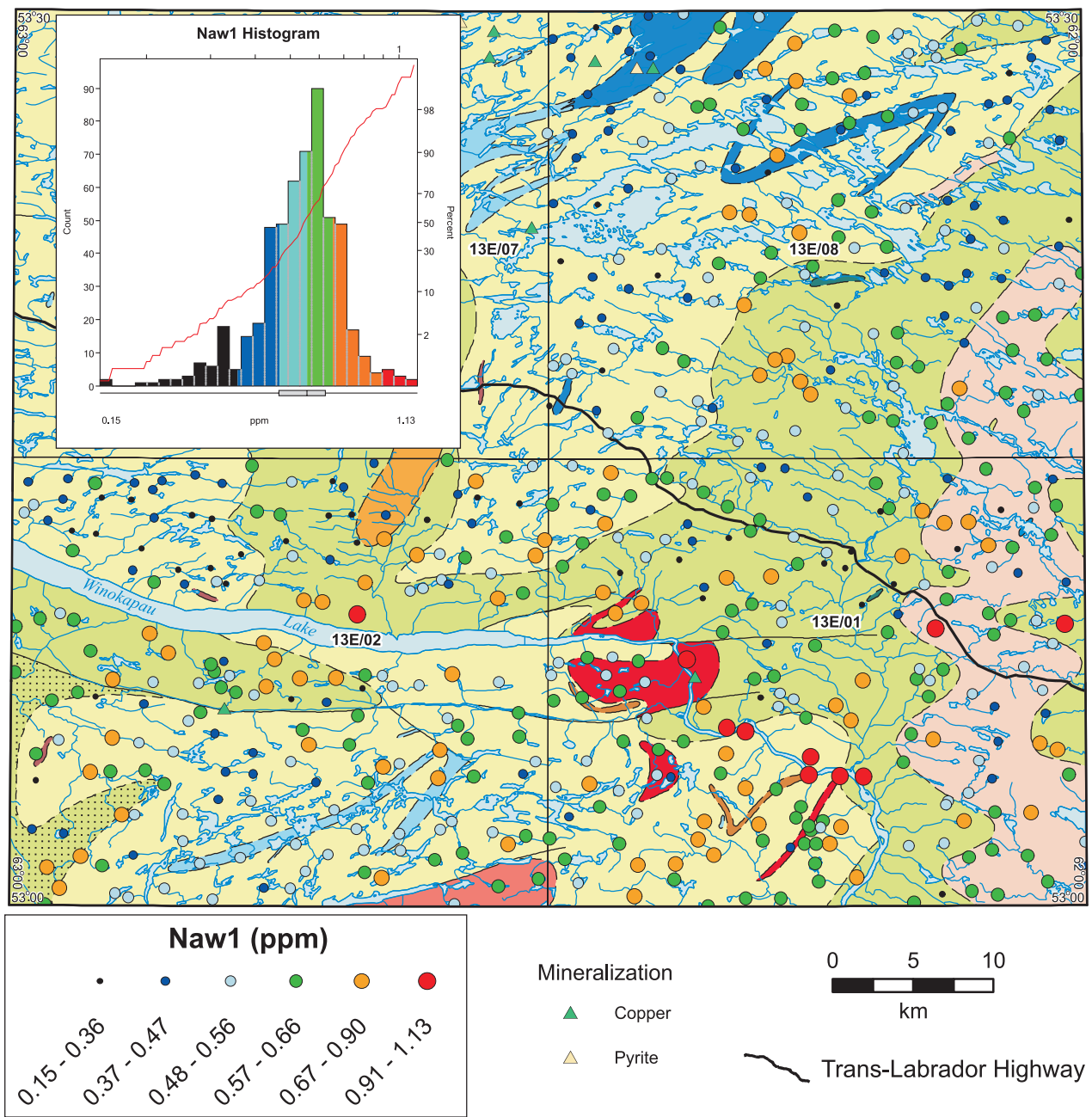
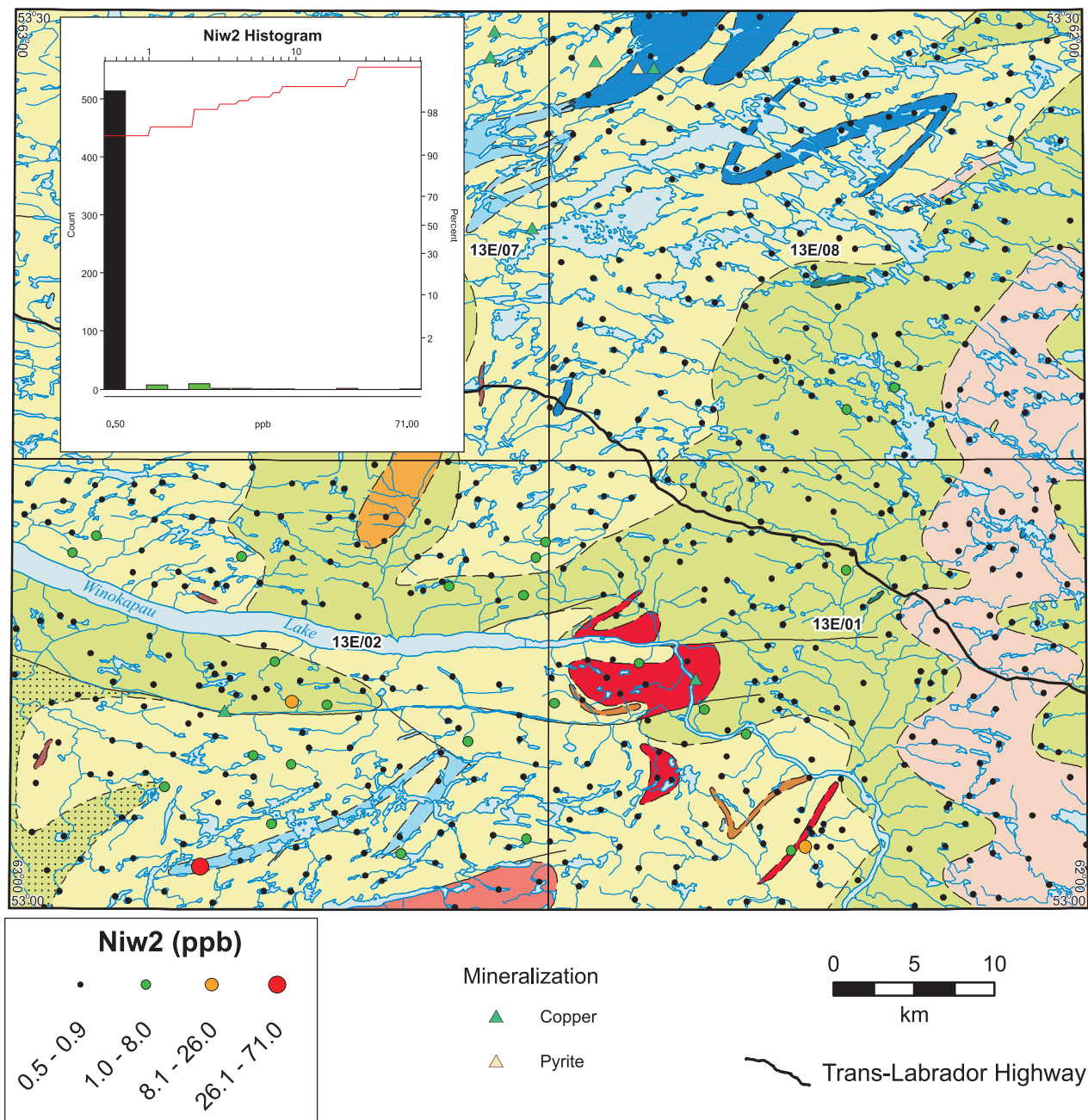


Figure 99. Sodium (Naw1) in lake water in the Winokapau Lake area.



GEOLOGY

Mesoproterozoic or older

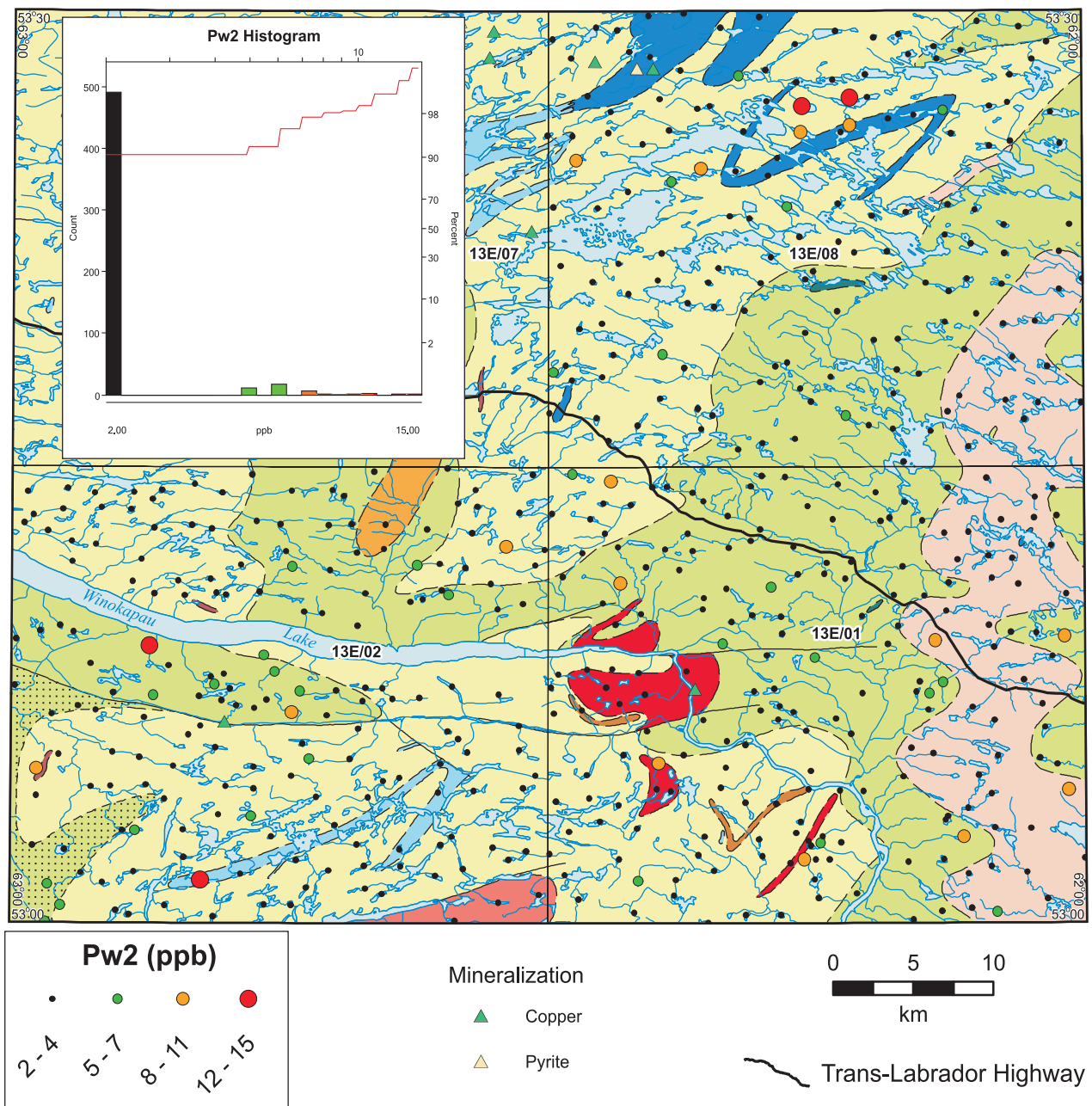
Pg	Foliated gabbro/quartz gabbro
Pgrd	Wilson Lake granodiorite
Pmg	Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
Pogn	Banded- to augen-textured pink, migmatitic feldspar orthogneiss; Pognh is the same unit with hypersthene
Pum	Pyroxene, magnetite-bearing ultramafic rocks
Pmgns	Beaver River gneiss: well-banded, mafic orthogneiss
Pwgn	Gabbronorite

Paleoproterozoic or older

Disappointment Lake paragneiss (Apm to Am)

Am	White marble
Awph	Welded granulite facies quartzofeldspathic paragneiss
Aod	Banded diorite to quartz diorite within unit Apm
Apm?	Probably unit Apm
Apm	Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 100. Nickel (*Niw2*) in lake water in the Winokapau Lake area.



GEOLOGY

Mesoproterozoic or older

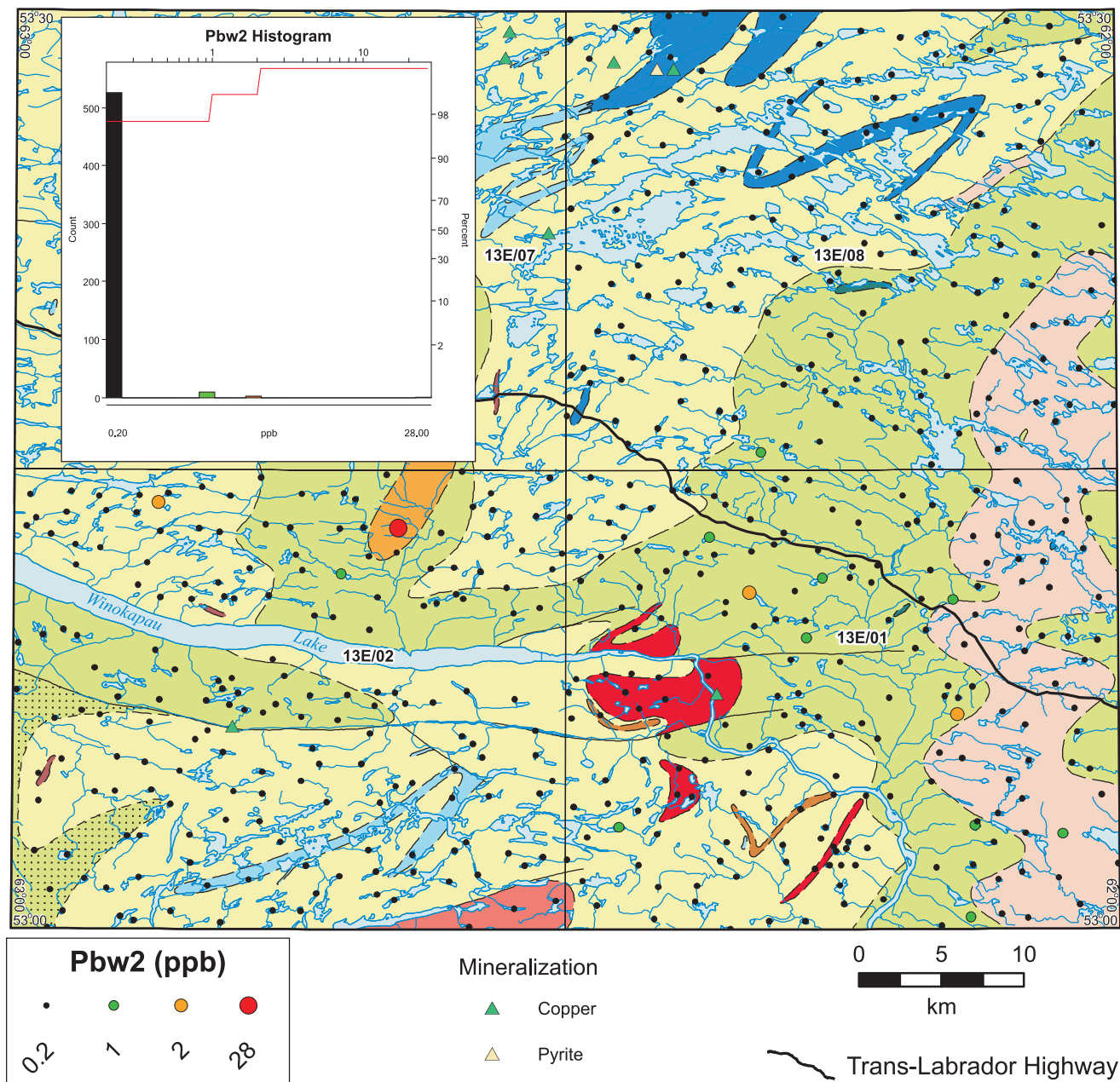
Pg	Foliated gabbro/quartz gabbro
Pgrd	Wilson Lake granodiorite
Pmg	Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
Pogn	Banded- to augen-textured pink, migmatitic feldspar orthogneiss; Pognh is the same unit with hypersthene
Pum	Pyroxene, magnetite-bearing ultramafic rocks
Pmgns	Beaver River gneiss: well-banded, mafic orthogneiss
Pwgn	Gabbronrite

Paleoproterozoic or older

Disappointment Lake paragneiss (Apm to Am)

Am	White marble
Awph	Welded granulite facies quartzofeldspathic paragneiss
Aod	Banded diorite to quartz diorite within unit Apm
Apm?	Probably unit Apm
Apm	Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 101. Phosphorus (Pw2) in lake water in the Winokapau Lake area.



GEOLOGY

Mesoproterozoic or older

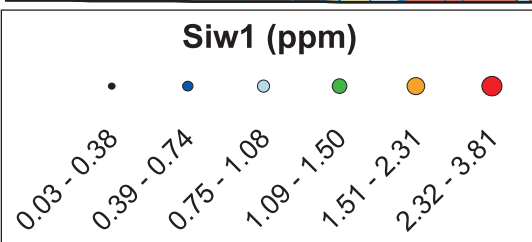
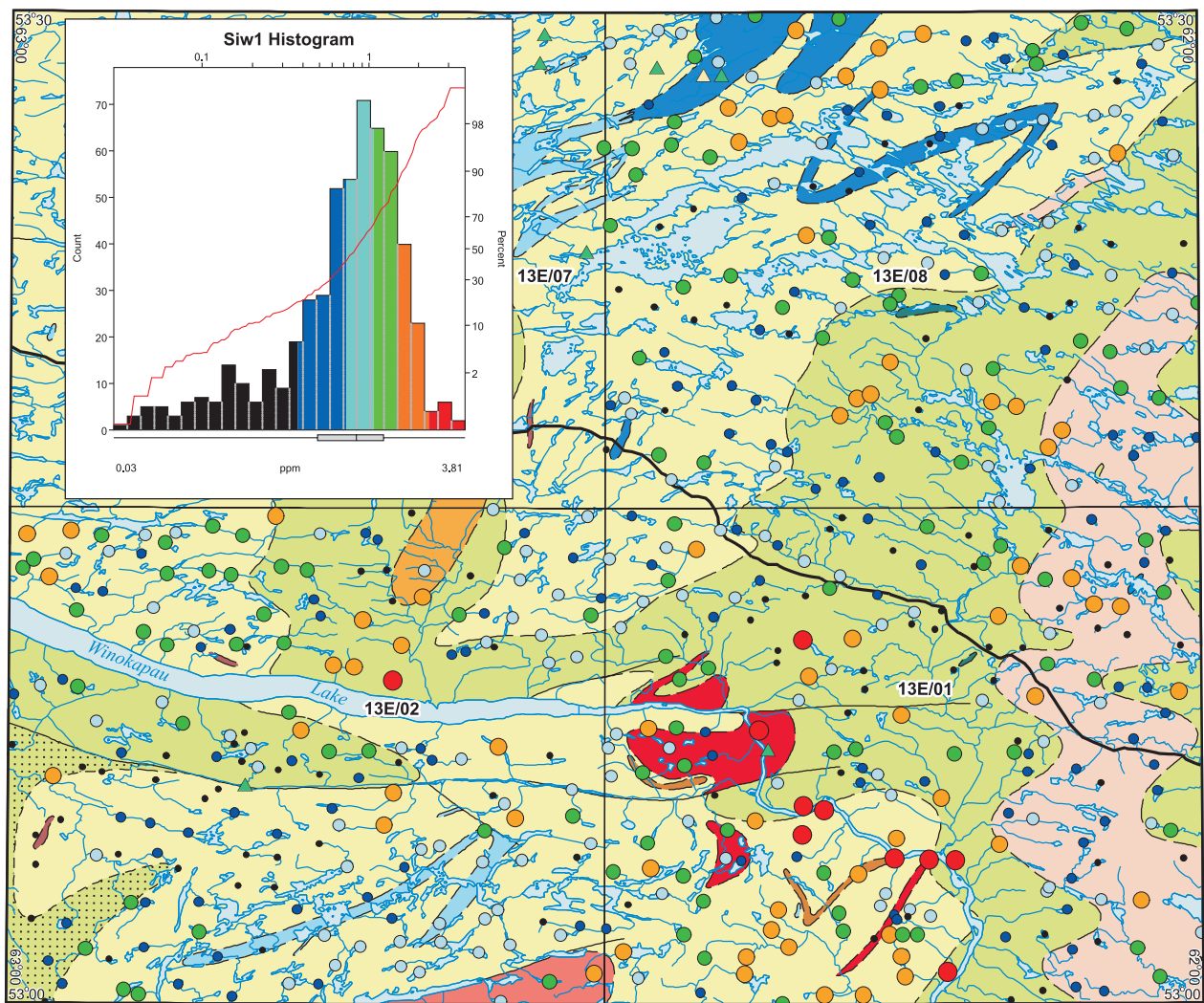
Pg	Foliated gabbro/quartz gabbro
Pgrd	Wilson Lake granodiorite
Pmg	Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
Pogn	Banded- to augen-textured pink, migmatitic feldspar orthogneiss; Pognh is the same unit with hypersthene
Pum	Pyroxene, magnetite-bearing ultramafic rocks
Pmgns	Beaver River gneiss: well-banded, mafic orthogneiss
Pwgn	Gabbronorite

Paleoproterozoic or older

Disappointment Lake paragneiss (Apm to Am)

Am	White marble
Awph	Welded granulite facies quartzofeldspathic paragneiss
Aod	Banded diorite to quartz diorite within unit Apm
Apm?	Probably unit Apm
Apm	Middle to upper amphibolite facies quartzofeldspathic paragneiss

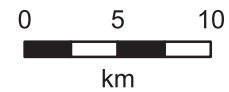
Figure 102. Lead (Pbw2) in lake water in the Winokapau Lake area.



Mineralization

▲ Copper

▲ Pyrite



— Trans-Labrador Highway

GEOLOGY

Mesoproterozoic or older

- Pg** Foliated gabbro/quartz gabbro
- Pgrd** Wilson Lake granodiorite
- Pmg** Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
- Pogn** Banded- to augen-textured pink, migmatitic feldspar orthogneiss; **Pognh** is the same unit with hypersthene
- Pum** Pyroxene, magnetite-bearing ultramafic rocks
- Pmgns** Beaver River gneiss: well-banded, mafic orthogneiss
- Pwgn** Gabbronorite

Paleoproterozoic or older

Disappointment Lake paragneiss (Apm to Am)

- Am** White marble
- Awph** Welded granulite facies quartzofeldspathic paragneiss
- Aod** Banded diorite to quartz diorite within unit Apm
- Apm?** Probably unit Apm
- Apm** Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 103. Silicon (*Siw1*) in lake water in the Winokapau Lake area.

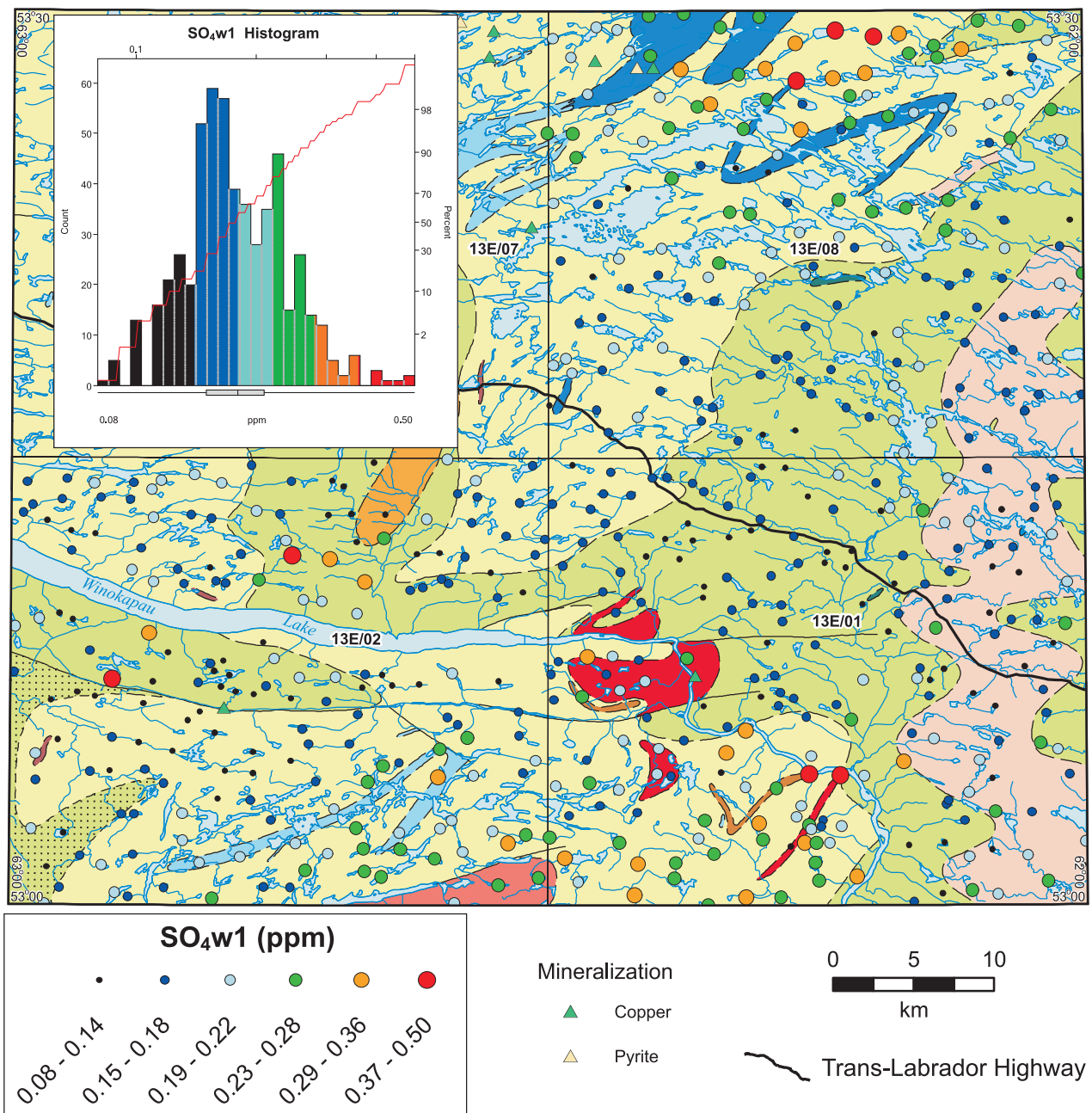
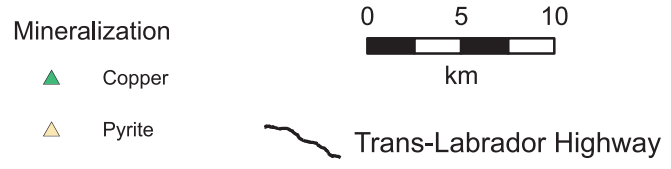
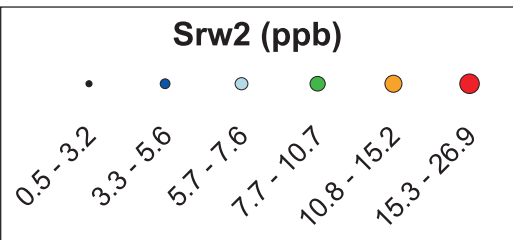
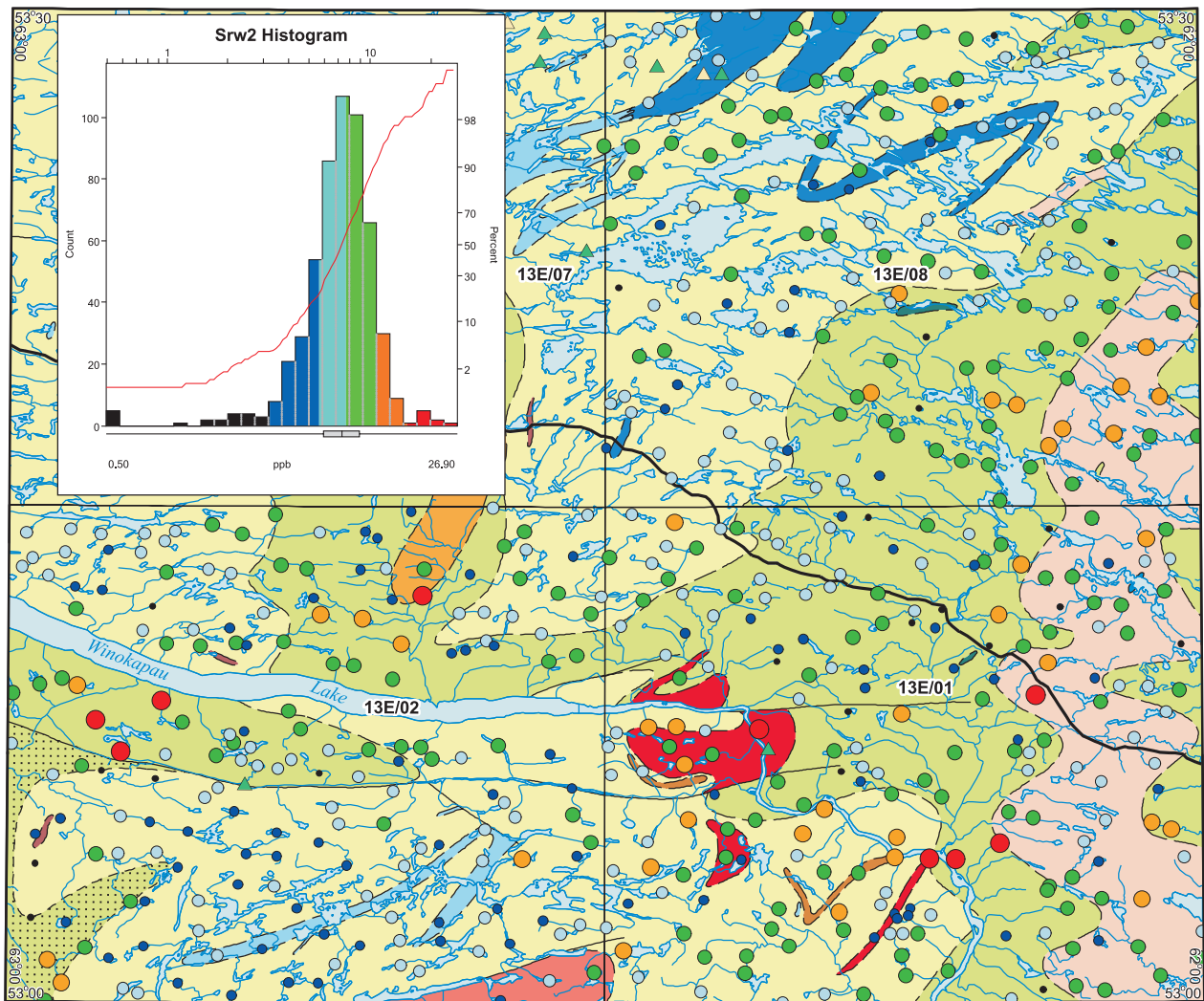


Figure 104. Sulphate (SO_4w1) in lake water in the Winokapau Lake area.



GEOLOGY

Mesoproterozoic or older		Paleoproterozoic or older	
Pg	Foliated gabbro/quartz gabbro	Disappointment Lake paragneiss (Apm to Am)	
Pgrd	Wilson Lake granodiorite	Am	White marble
Pmg	Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite	Awph	Welded granulite facies quartzofeldspathic paragneiss
Pogn	Banded- to augen-textured pink, migmatitic feldspar orthogneiss; Pognh is the same unit with hypersthene	Aod	Banded diorite to quartz diorite within unit Apm
Pum	Pyroxene, magnetite-bearing ultramafic rocks	Apm?	Probably unit Apm
Pmgns	Beaver River gneiss: well-banded, mafic orthogneiss	Apm	Middle to upper amphibolite facies quartzofeldspathic paragneiss
Pwgn	Gabbronorite		

Figure 105. *Strontium (Srw2) in lake water in the Winokapau Lake area.*

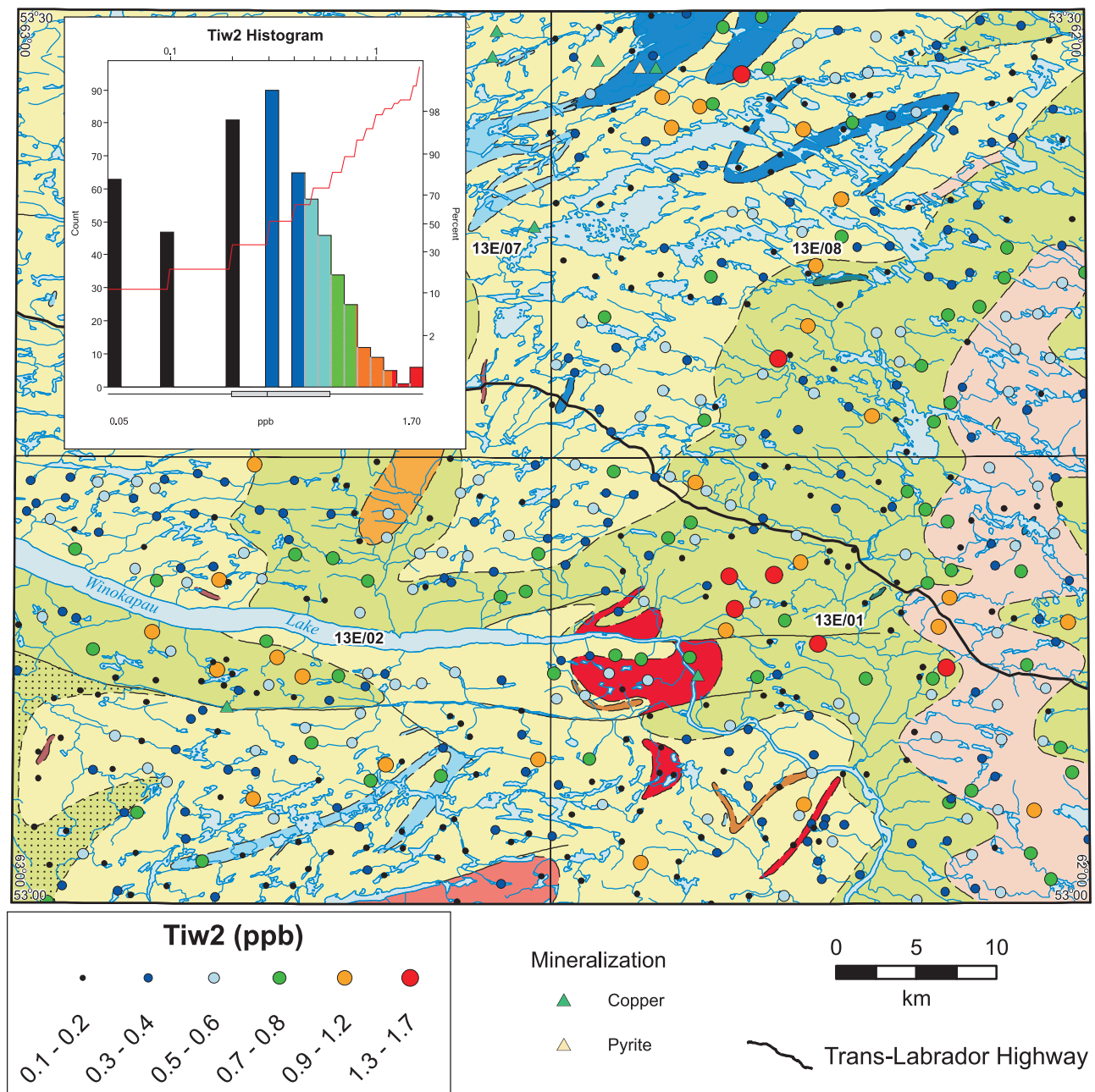
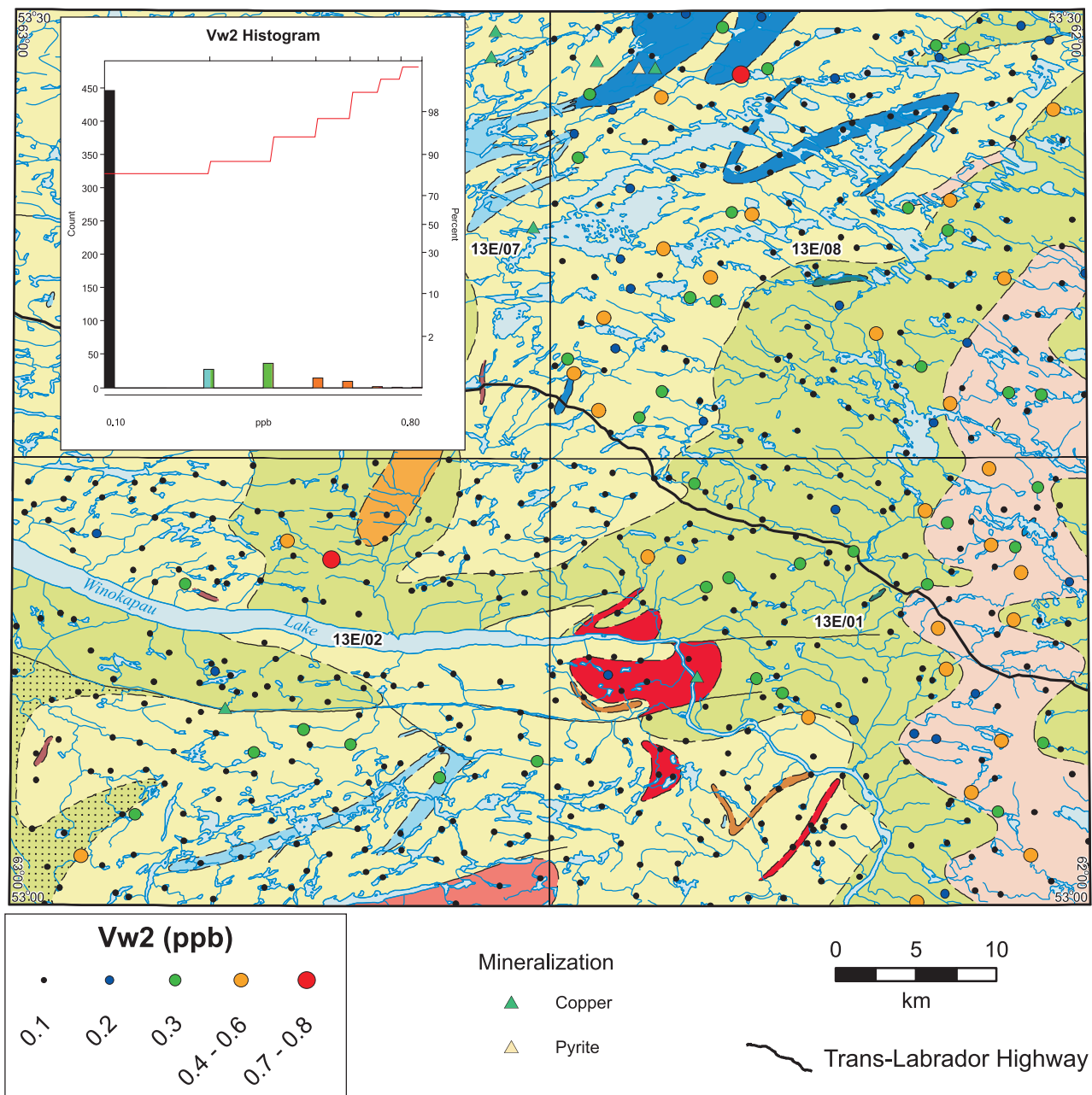


Figure 106. Titanium (Tiw2) in lake water in the Winokapau Lake area.



GEOLOGY

Mesoproterozoic or older

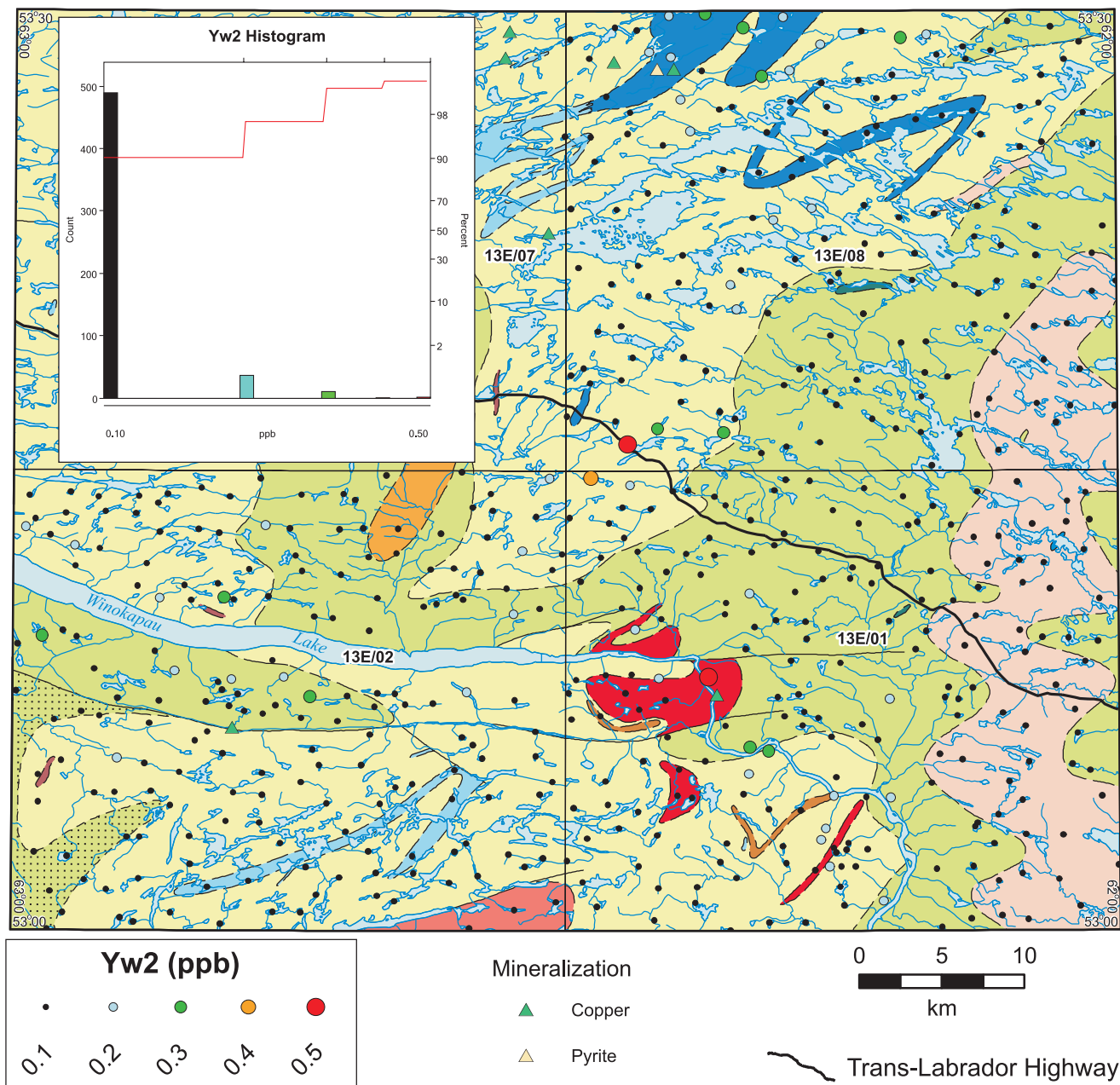
Pg	Foliated gabbro/quartz gabbro
Pgrd	Wilson Lake granodiorite
Pmg	Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
Pogn	Banded- to augen-textured pink, migmatitic feldspar orthogneiss; Pognh is the same unit with hypersthene
Pum	Pyroxene, magnetite-bearing ultramafic rocks
Pmgns	Beaver River gneiss: well-banded, mafic orthogneiss
Pwgn	Gabbronrite

Paleoproterozoic or older

Disappointment Lake paragneiss (Apm to Am)

Am	White marble
Awph	Welded granulite facies quartzofeldspathic paragneiss
Aod	Banded diorite to quartz diorite within unit Apm
Apm?	Probably unit Apm
Apm	Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 107. Vanadium (Vw2) in lake water in the Winokapau Lake area.



GEOLOGY

Mesoproterozoic or older

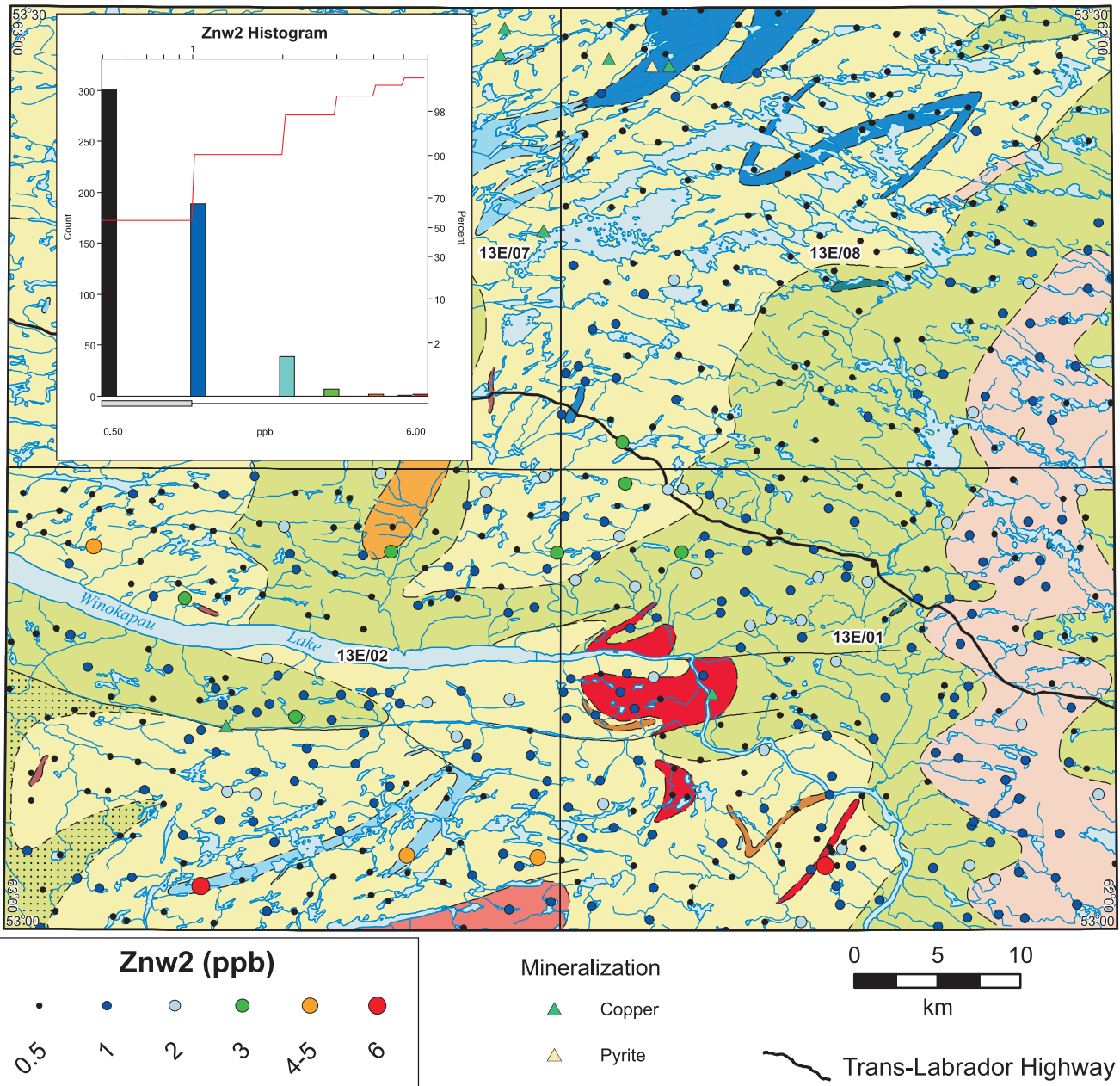
Pg	Foliated gabbro/quartz gabbro
Pgrd	Wilson Lake granodiorite
Pmg	Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
Pogn	Banded- to augen-textured pink, migmatitic feldspar orthogneiss; Pognh is the same unit with hypersthene
Pum	Pyroxene, magnetite-bearing ultramafic rocks
Pmgns	Beaver River gneiss: well-banded, mafic orthogneiss
Pwgn	Gabbronorite

Paleoproterozoic or older

Disappointment Lake paragneiss (Apm to Am)

Am	White marble
Awph	Welded granulite facies quartzofeldspathic paragneiss
Aod	Banded diorite to quartz diorite within unit Apm
Apm?	Probably unit Apm
Apm	Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 108. Yttrium (Yw2) in lake water in the Winokapau Lake area.



GEOLOGY

Mesoproterozoic or older

Pg	Foliated gabbro/quartz gabbro
Pgrd	Wilson Lake granodiorite
Pmg	Mouni Rapids pluton: foliated porphyritic to megacrystic granite/granodiorite
Pogn	Banded- to augen-textured pink, migmatitic feldspar orthogneiss; Pognh is the same unit with hypersthene
Pum	Pyroxene, magnetite-bearing ultramafic rocks
Pmgns	Beaver River gneiss: well-banded, mafic orthogneiss
Pwgn	Gabbronorite

Paleoproterozoic or older

Disappointment Lake paragneiss (Apm to Am)

Am	White marble
Awph	Welded granulite facies quartzofeldspathic paragneiss
Aod	Banded diorite to quartz diorite within unit Apm
Apm?	Probably unit Apm
Apm	Middle to upper amphibolite facies quartzofeldspathic paragneiss

Figure 109. Zinc (Znw2) in lake water in the Winokapau Lake area.