Manganese

(ICP-MS - 4-acid)

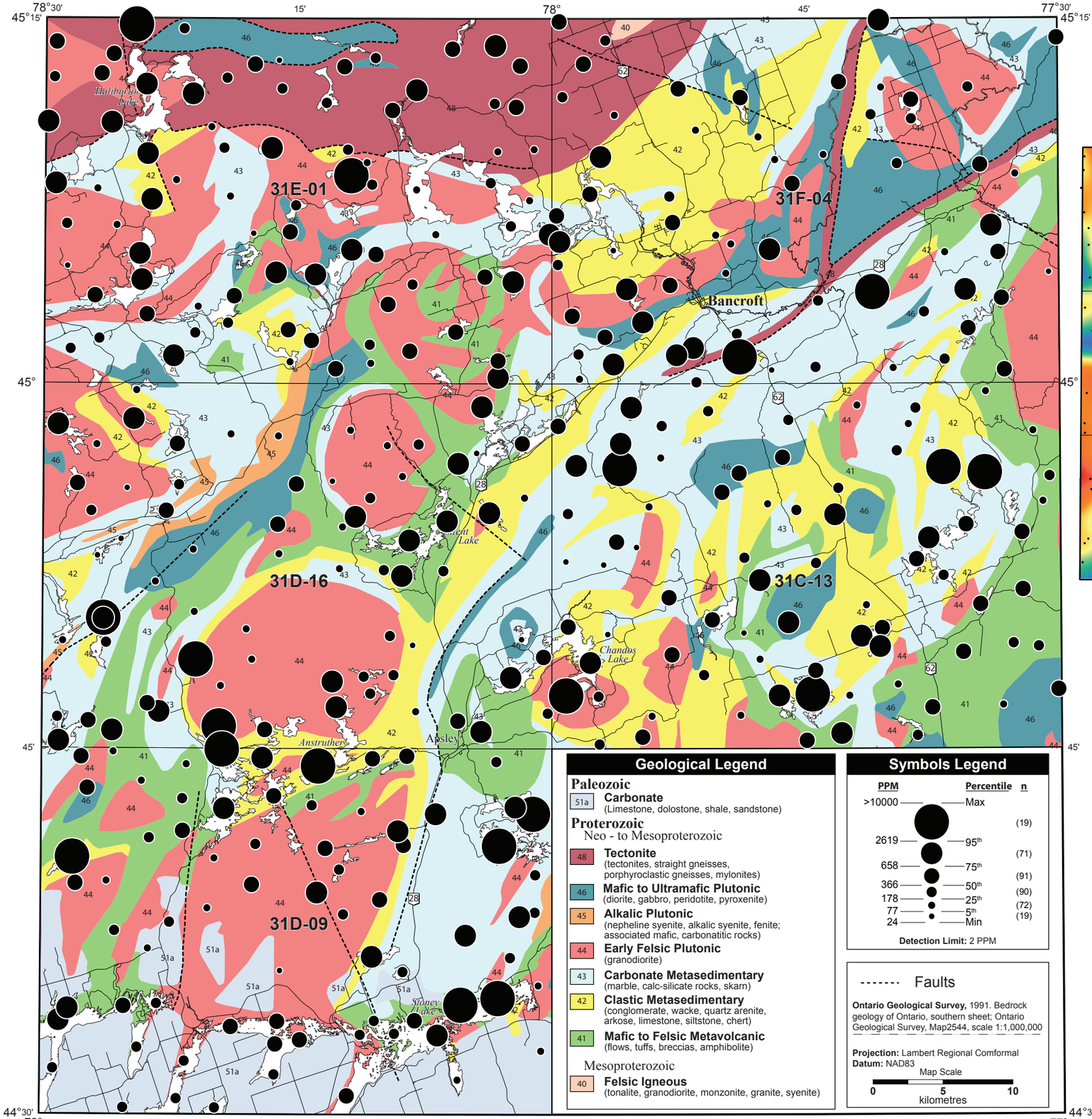
Bancroft, Ontario Area

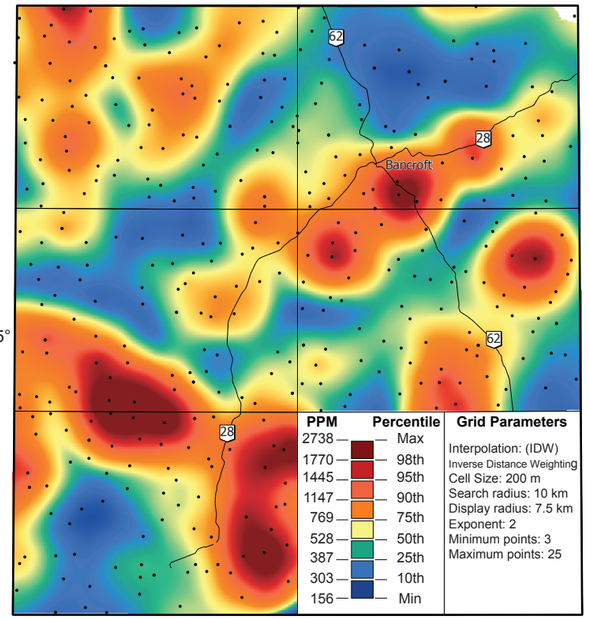
Lake Sediment Geochemistry

parts of NTS 031C, D, E and F

GSC Open File 7282

Mn

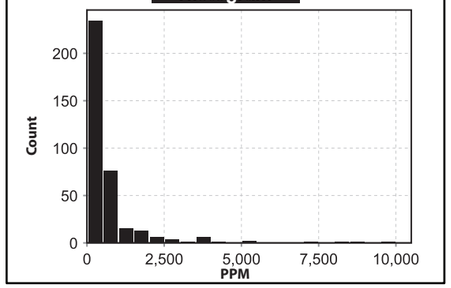




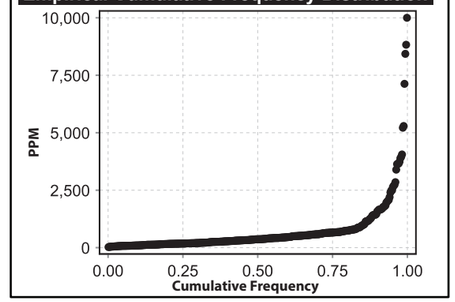
Summary Stats

Number of Sites	362	Maximum	>10000
Detection Limit	2	99th Percentile	7610
Unit	PPM	98th Percentile	4027
Sites Below Det. Lim.	0	95th Percentile	2619
Mean	692	90th Percentile	1596
Median	366	75th Percentile	658
Geometric Mean	371	50th Percentile	366
Variance	1314973	25th Percentile	178
Standard Deviation	1147	10th Percentile	96
Kurtosis	28	5th Percentile	77
Skewness	5	Minimum	24
Coefficient of Variation	166		
Robust Coeff. of Var.	97		

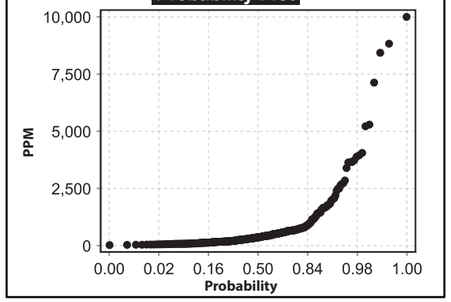
Histogram



Empirical Cumulative Frequency Distribution



Probability Plot



Geological Legend

Paleozoic

51a **Carbonate**
(Limestone, dolostone, shale, sandstone)

Proterozoic

Neo - to Mesoproterozoic

48 **Tectonite**
(tectonites, straight gneisses, porphyroclastic gneisses, mylonites)

46 **Mafic to Ultramafic Plutonic**
(diorite, gabbro, peridotite, pyroxenite)

45 **Alkalic Plutonic**
(nepheline syenite, alkalic syenite, fenite; associated mafic, carbonatitic rocks)

44 **Early Felsic Plutonic**
(granodiorite)

43 **Carbonate Metasedimentary**
(marble, calc-silicate rocks, skarn)

42 **Clastic Metasedimentary**
(conglomerate, wacke, quartz arenite, arkose, limestone, siltstone, chert)

41 **Mafic to Felsic Metavolcanic**
(flows, tuffs, breccias, amphibolite)

Mesoproterozoic

40 **Felsic Igneous**
(tonalite, granodiorite, monzonite, granite, syenite)

Symbols Legend

PPM	Percentile	n
>10000	Max	(19)
2619	95th	(71)
658	75th	(91)
366	50th	(90)
178	25th	(72)
77	5th	(19)
24	Min	

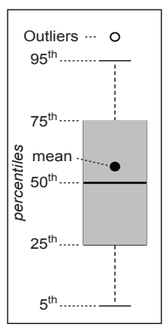
Detection Limit: 2 PPM

Faults

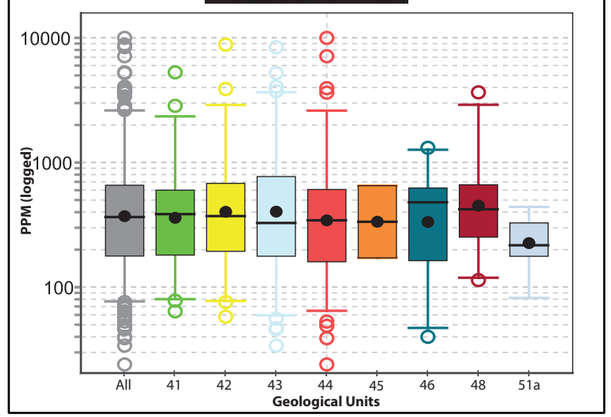
Ontario Geological Survey, 1991. Bedrock geology of Ontario, southern sheet; Ontario Geological Survey, Map2544, scale 1:1,000,000

Projection: Lambert Regional Comformal
Datum: NAD83

Map Scale
0 5 10
kilometres



Percentile Box Plot



Samples per geological unit

Geological Unit	n
41	54
42	55
43	96
44	95
45	2
46	24
48	25
51a	11
All	362

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