Loss-on-Ignition

(Gravimetric - 500°C)

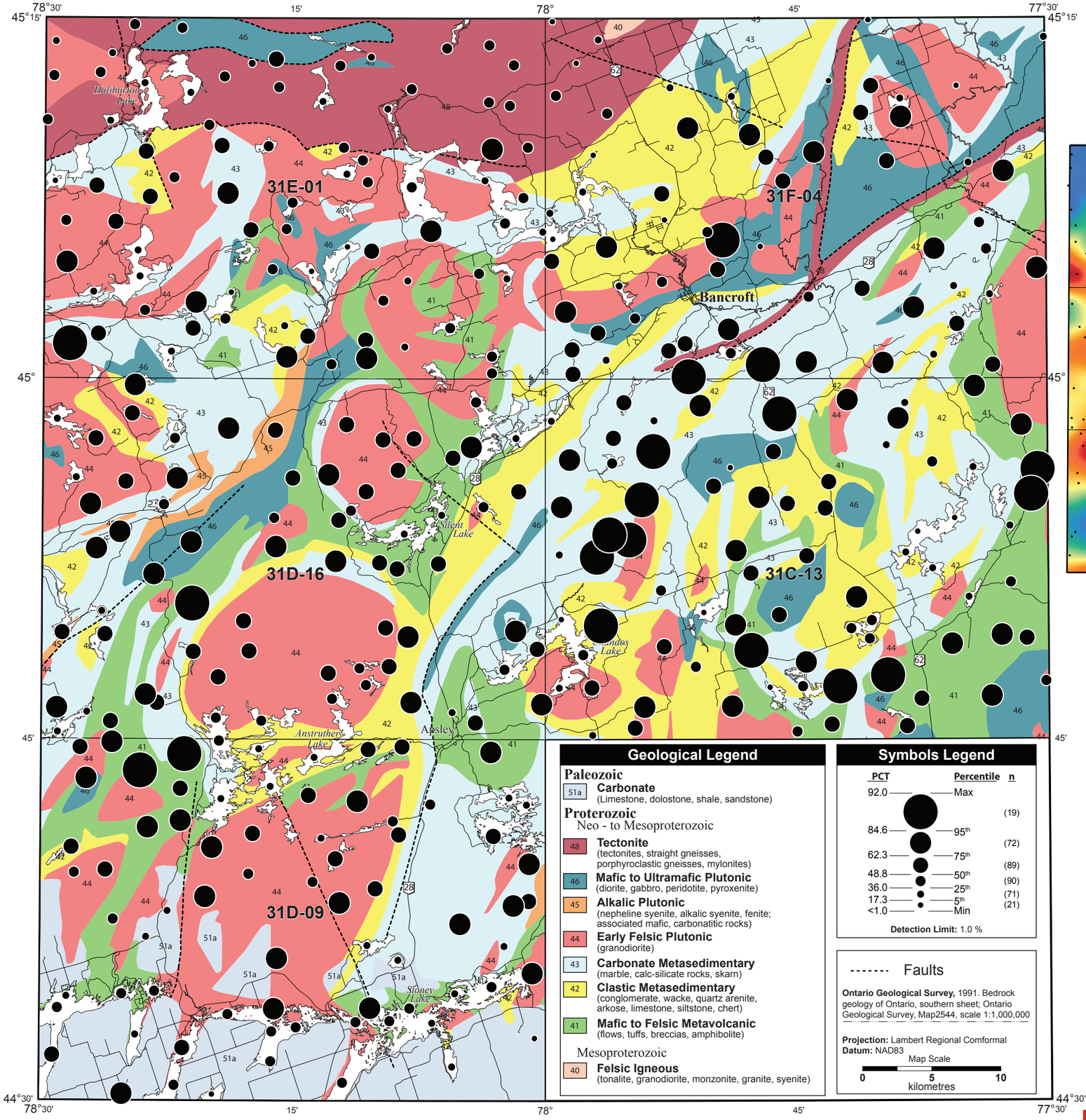
Bancroft, Ontario Area

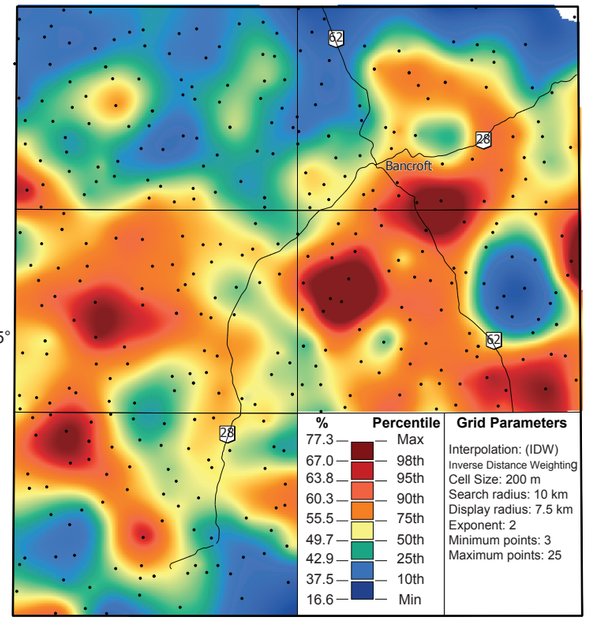
Lake Sediment Geochemistry

parts of NTS 031C, D, E and F

GSC Open File 7282

LOI

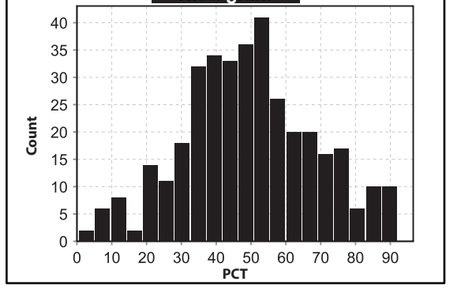




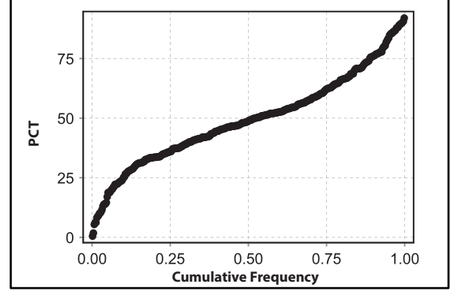
Summary Stats

Number of Sites	362	Maximum	92.0
Detection Limit	1.0	99th Percentile	89.9
Unit	%	98th Percentile	88.8
Sites Below Det. Lim.	1	95th Percentile	84.6
Mean	49.3	90th Percentile	76.1
Median	48.8	75th Percentile	62.3
Geometric Mean	44.2	50th Percentile	48.8
Variance	364.6	25th Percentile	36.0
Standard Deviation	19.1	10th Percentile	24.6
Kurtosis	-0.3	5th Percentile	17.3
Skewness	0.0	Minimum	<1.0
Coefficient of Variation	38.8		
Robust Coeff. of Var.	39.9		

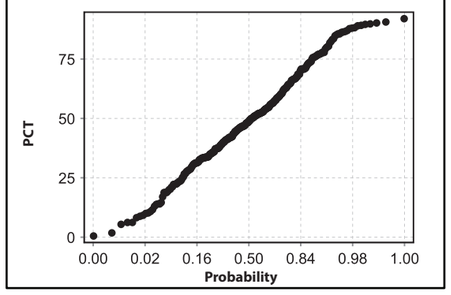
Histogram



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

PCT	Percentile	n
92.0	Max	(19)
84.6	95th	(72)
62.3	75th	(89)
48.8	50th	(90)
36.0	25th	(71)
17.3	5th	(21)
<1.0	Min	

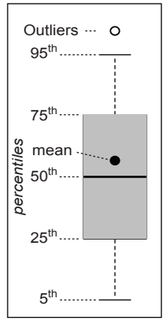
Detection Limit: 1.0 %

Faults

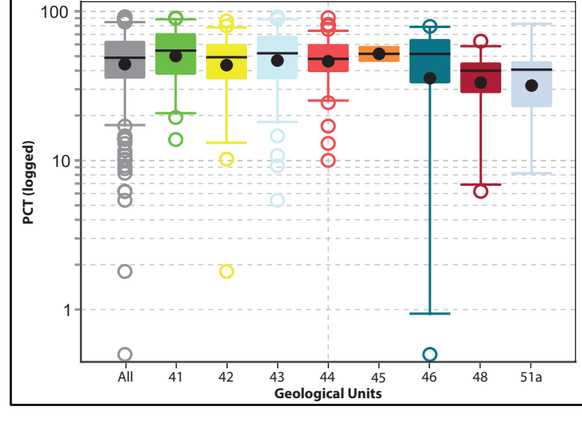
Ontario Geological Survey, 1991. Bedrock geology of Ontario, southern sheet; Ontario Geological Survey, Map2544, scale 1:1,000,000

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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