

Traverse Data : Au (ppm) vs. As (ppm)

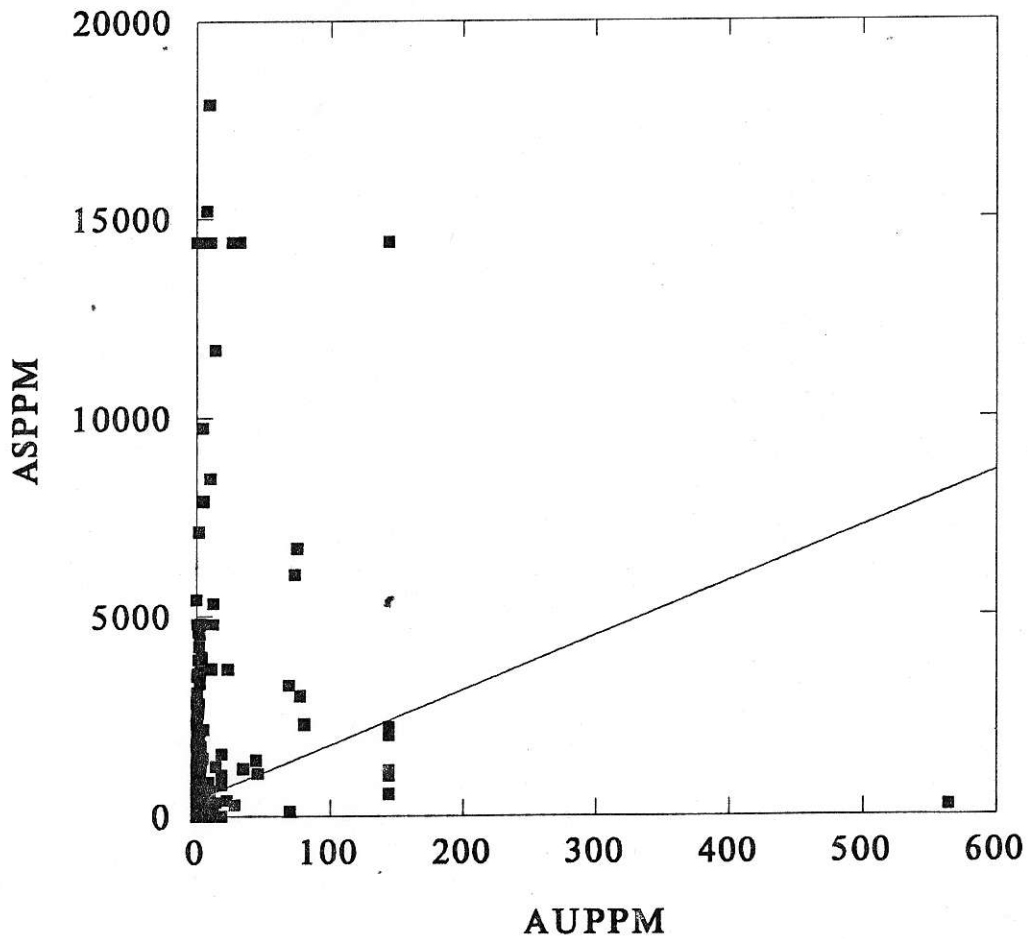
TOTAL OBSERVATIONS: 1165

Newhawk/
Placer Dome 803662
Sulphurets 104B/8
Preliminary
Geochem.
Plots

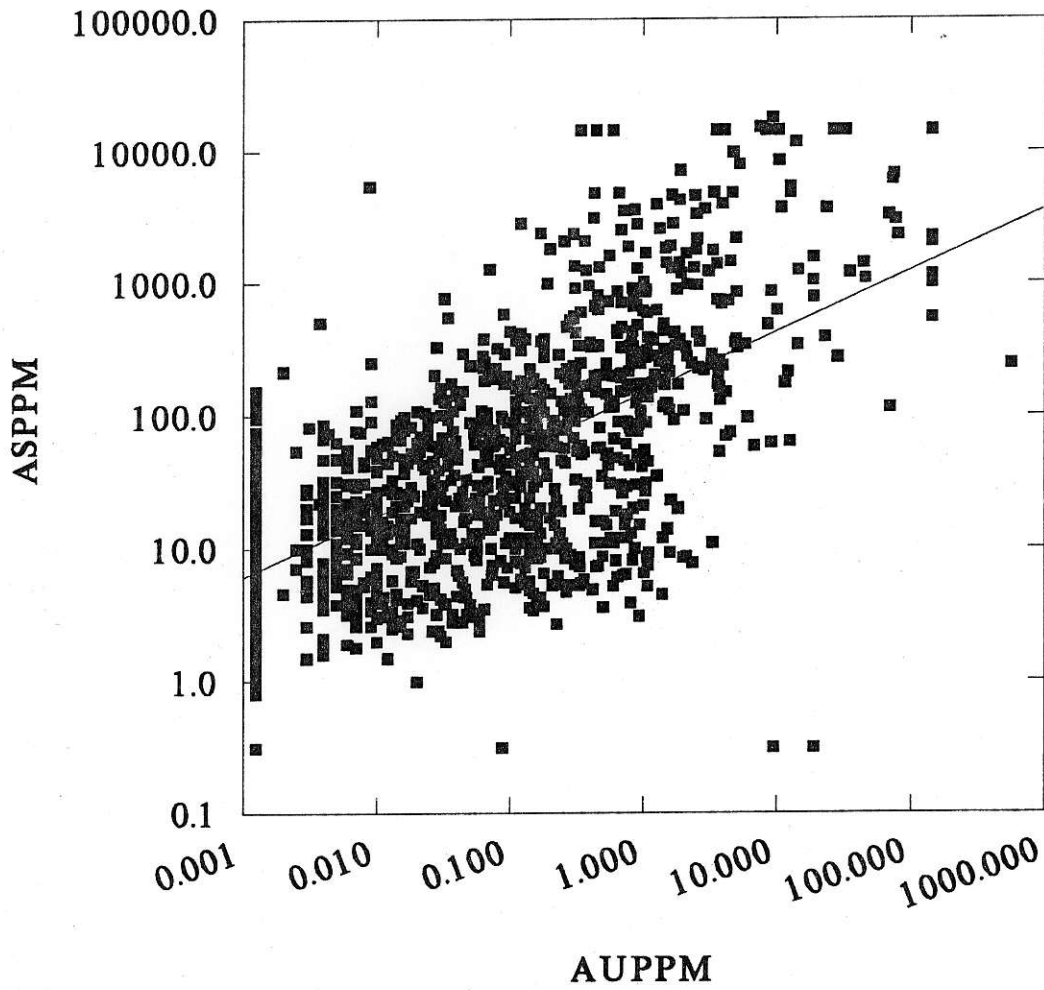
	ASPPM	AUPPM
N OF CASES	1165	1165
MINIMUM	0.313	0.001
MAXIMUM	17900.000	564.000
RANGE	17899.688	563.999
MEAN	437.722	2.482
VARIANCE	3140911.305	414.641
STANDARD DEV	1772.262	20.363
STD. ERROR	51.924	0.597
SKEWNESS(G1)	6.737	20.009
KURTOSIS(G2)	49.210	507.084
SUM	509946.050	2891.059
C.V.	4.049	8.206
MEDIAN	31.000	0.063

June 4/91

Traverse Data : Au (ppm) vs. As (ppm)



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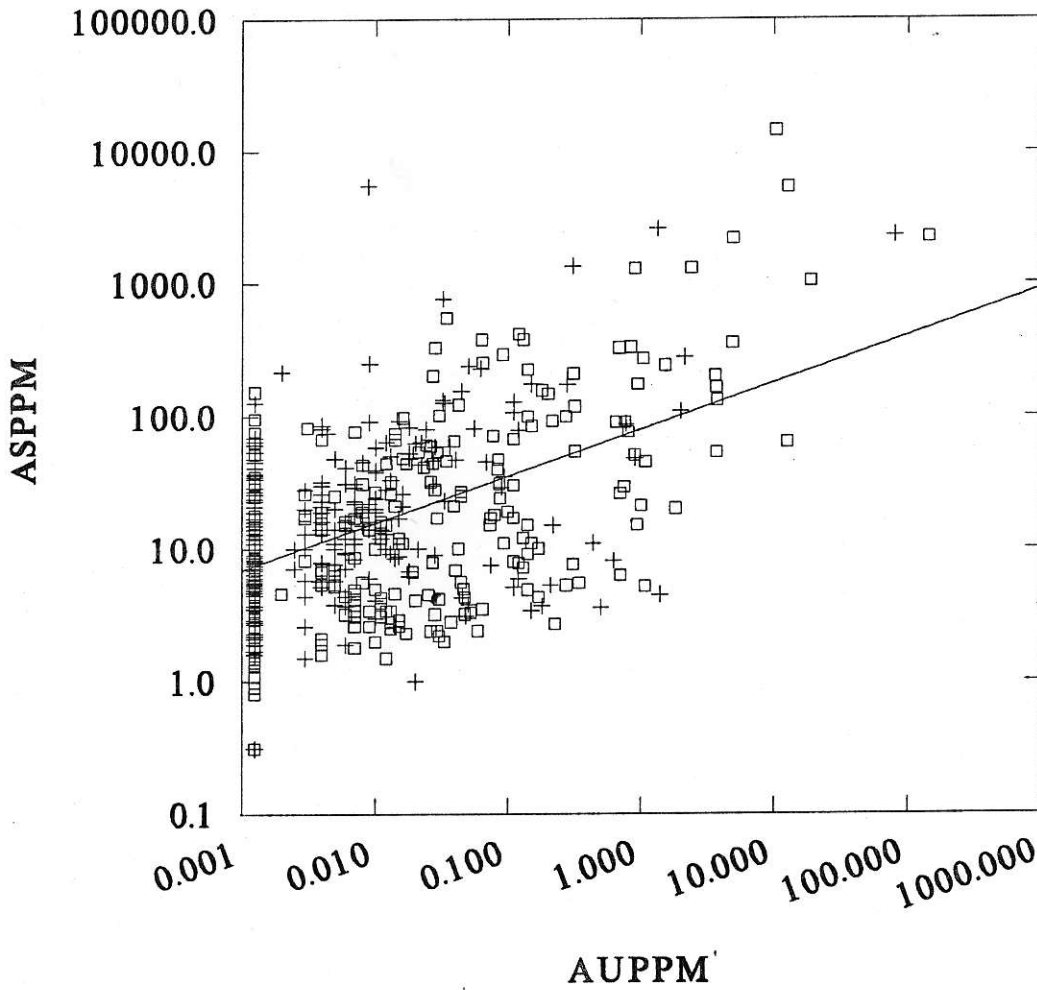


Traverse Data : Au (ppm) vs. As (ppm)
Unaltered/Altered Rocks

TOTAL OBSERVATIONS: 483

	ASPPM	AUPPM
N OF CASES	483	483
MINIMUM	0.313	0.001
MAXIMUM	14400.000	144.000
RANGE	14399.688	143.999
MEAN	119.397	0.714
VARIANCE	599813.742	57.748
STANDARD DEV	774.476	7.599
STD. ERROR	35.240	0.346
SKEWNESS (G1)	14.532	16.347
KURTOSIS (G2)	246.707	284.762
SUM	57668.738	344.923
C.V.	6.487	10.641
MEDIAN	14.000	0.007

Traverse Data : Au (ppm) vs. As (ppm)

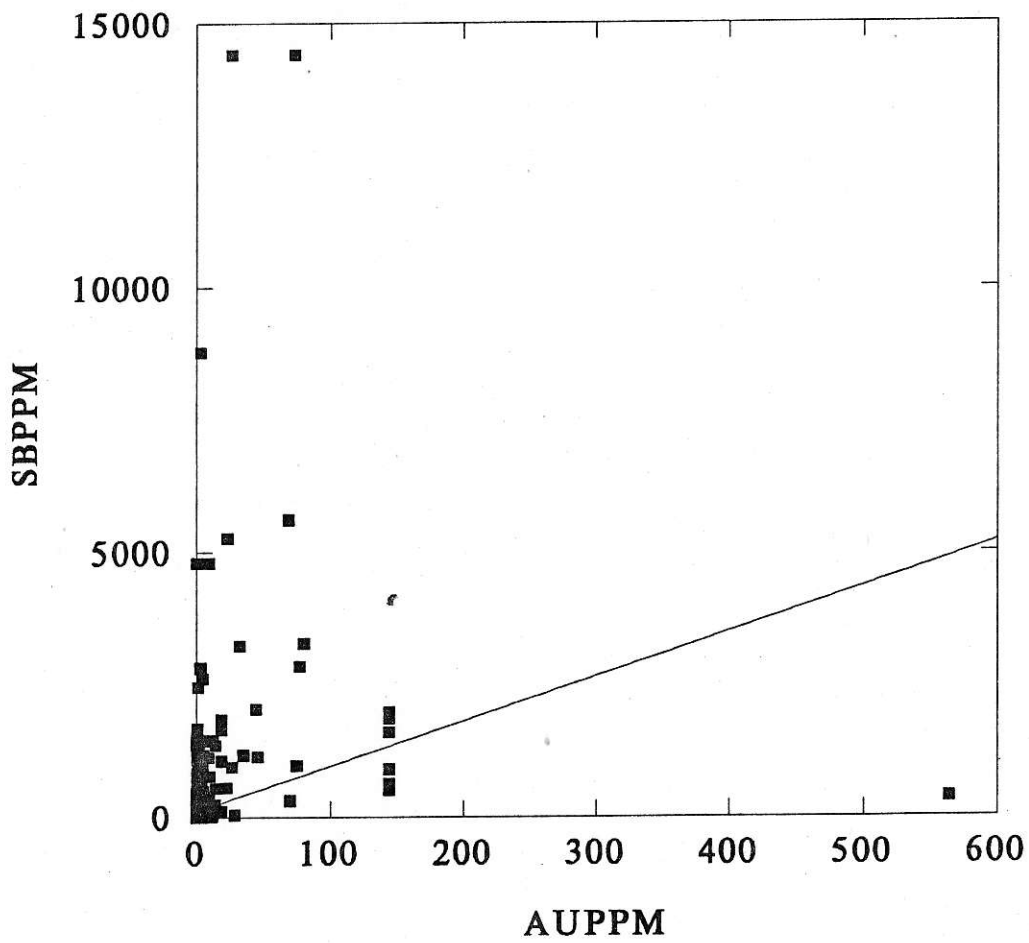


Traverse Data: Au (ppm) vs. Sb (ppm)

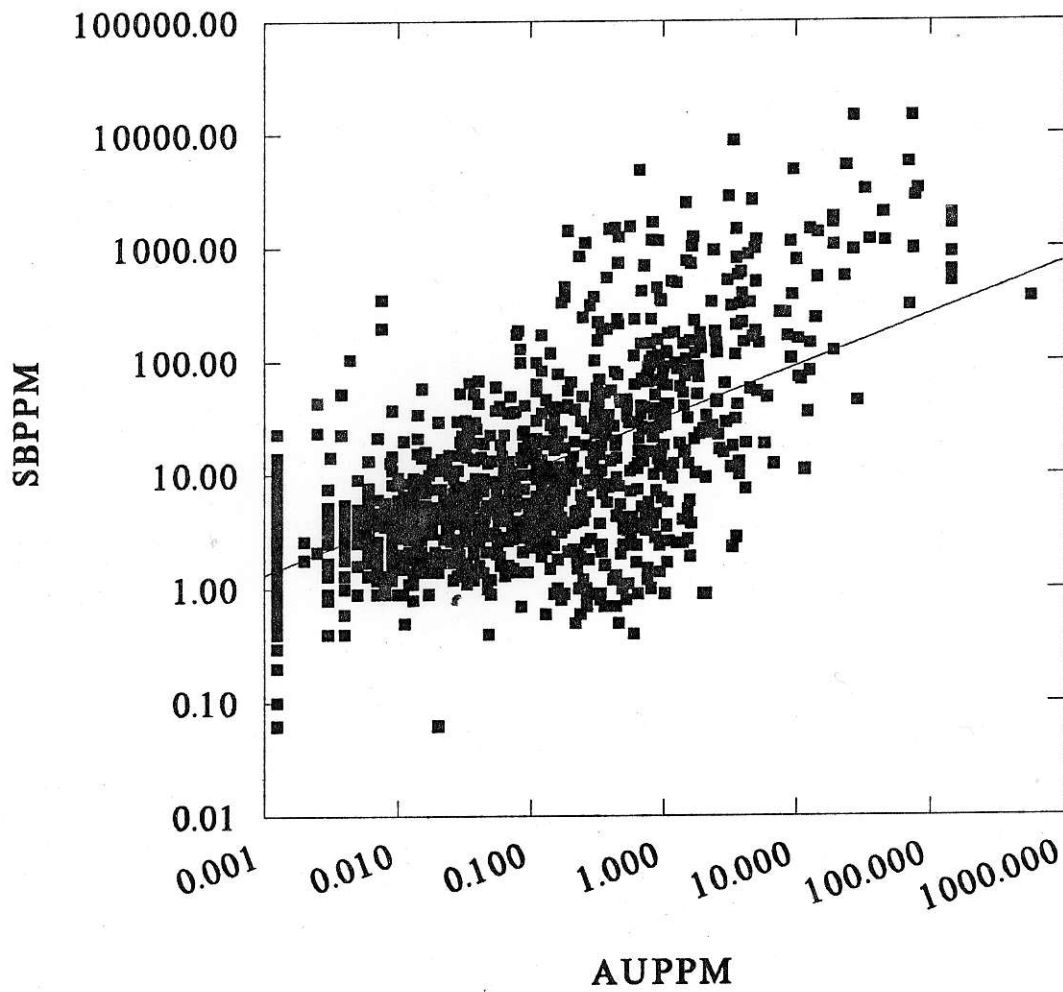
TOTAL OBSERVATIONS: 1165

	AUPPM	SBPPM
N OF CASES	1165	1165
MINIMUM	0.001	0.063
MAXIMUM	564.000	14400.000
RANGE	563.999	14399.938
MEAN	2.482	132.803
VARIANCE	414.641	597753.558
STANDARD DEV	20.363	773.145
STD. ERROR	0.597	22.652
SKEWNESS(G1)	20.009	13.299
KURTOSIS(G2)	507.084	217.094
SUM	2891.059	154715.025
C.V.	8.206	5.822
MEDIAN	0.063	5.400

Traverse Data : Au (ppm) vs. Sb (ppm)



Traverse Data : Au (ppm) vs. Sb (ppm)



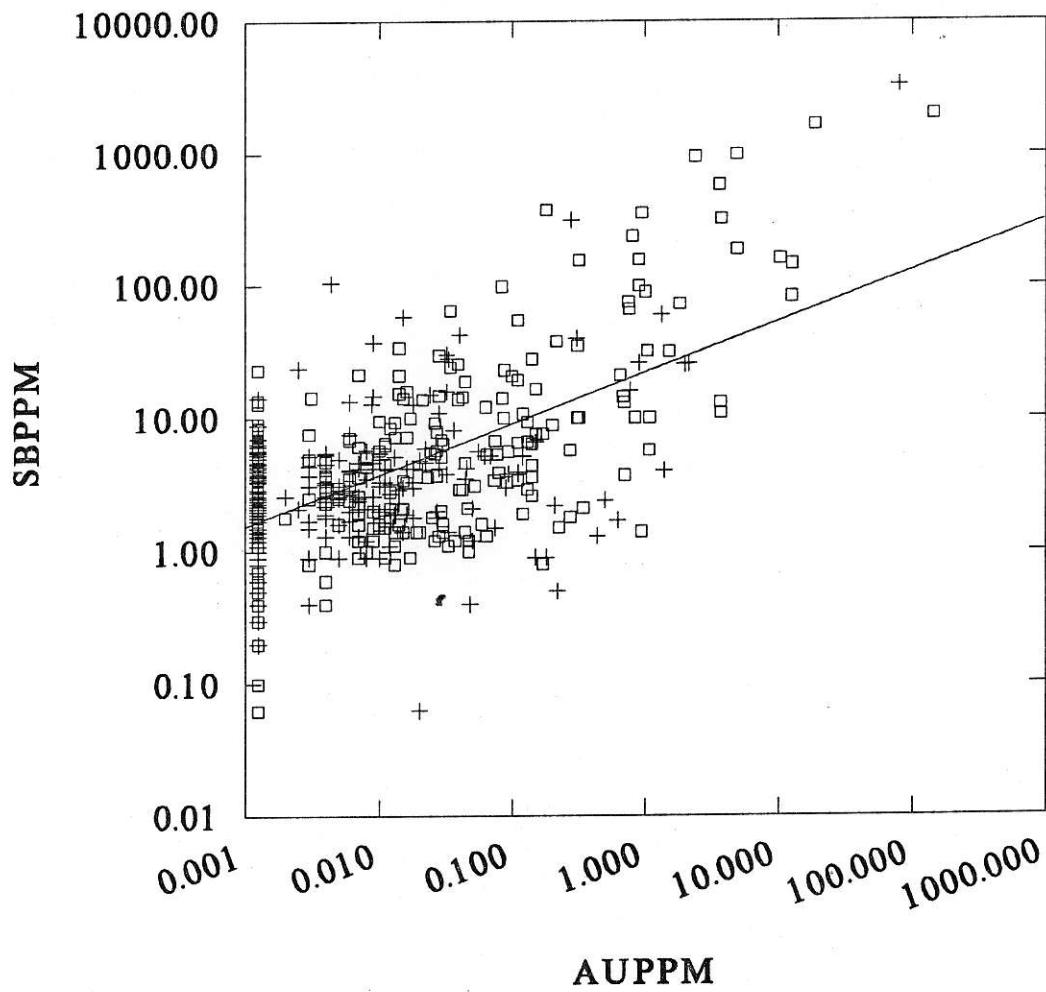
Traverse Data: Au (ppm) vs. Sb (ppm)
Unaltered/Altered Rocks

TOTAL OBSERVATIONS: 483

	AU	SB
N OF CASES	483	483
MINIMUM	0.001	0.063
MAXIMUM	144.000	3290.000
RANGE	143.999	3289.938
MEAN	0.714	31.240
VARIANCE	57.748	41319.107
STANDARD DEV	7.599	203.271
STD. ERROR	0.346	9.249
SKEWNESS (G1)	16.347	11.905
KURTOSIS (G2)	284.762	162.228
SUM	344.923	15088.825
C.V.	10.641	6.507
MEDIAN	0.007	3.300

433 Points

Traverse Data : Au (ppm) vs. Sb (ppm)



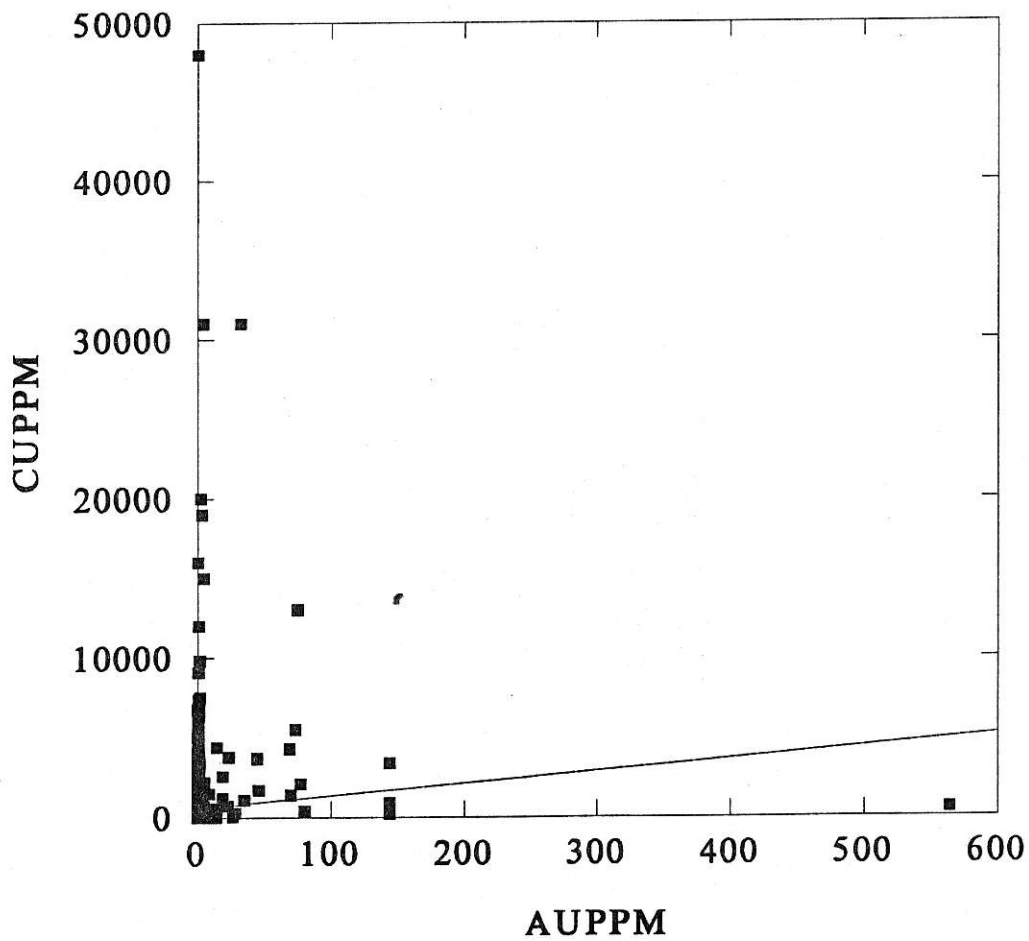
Traverse Data: Au (ppm) vs. Cu (ppm)

TOTAL OBSERVATIONS: 1015

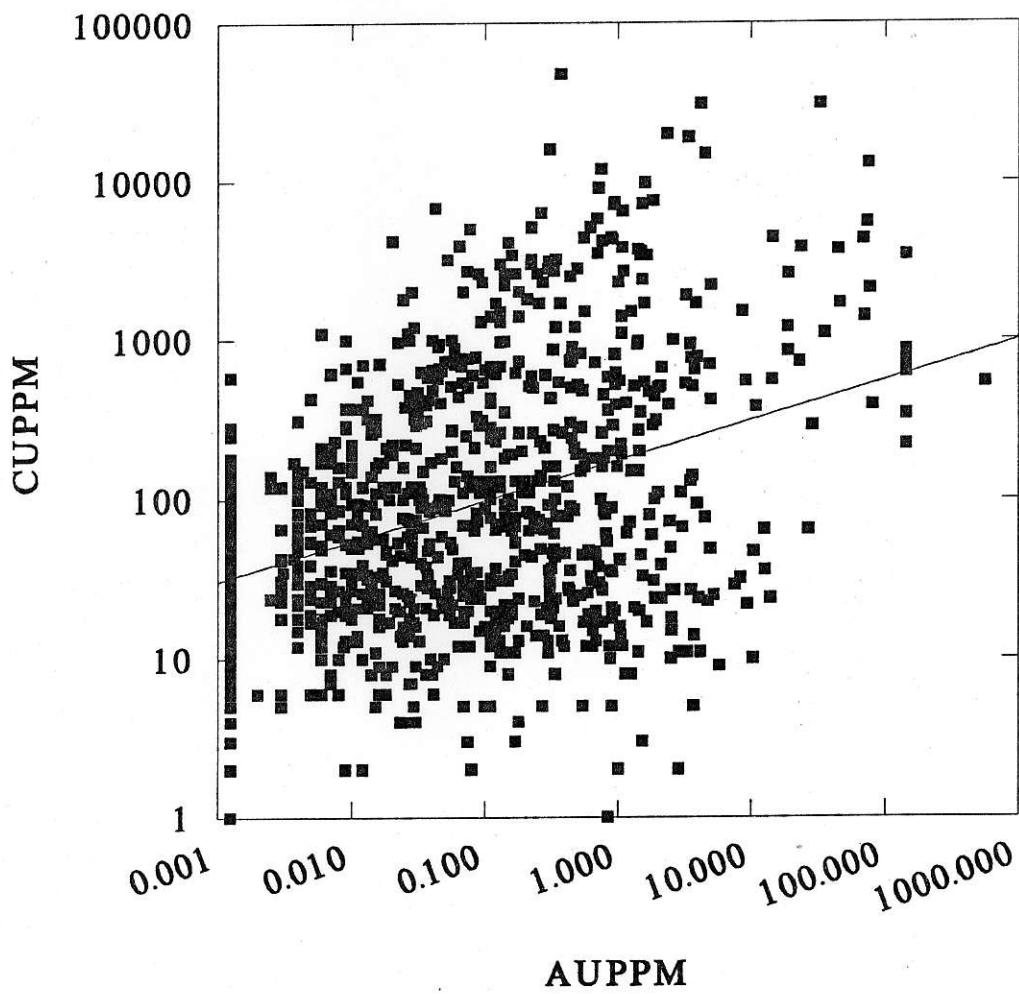
	AUPPM	CUPPM
N OF CASES	1015	1015
MINIMUM	0.001	0.000
MAXIMUM	564.000	48000.000
RANGE	563.999	48000.000
MEAN	2.643	599.782
VARIANCE	474.050	6574145.101
STANDARD DEV	21.773	2564.010
STD. ERROR	0.683	80.480
SKEWNESS(G1)	18.766	11.170
KURTOSIS(G2)	444.471	161.043
SUM	2682.979	608779.000
C.V.	8.237	4.275
MEDIAN	0.045	62.000

1015 samples

Traverse Data : Au (ppm) vs. Cu (ppm)



Traverse Data : Au (ppm) vs. Cu (ppm)



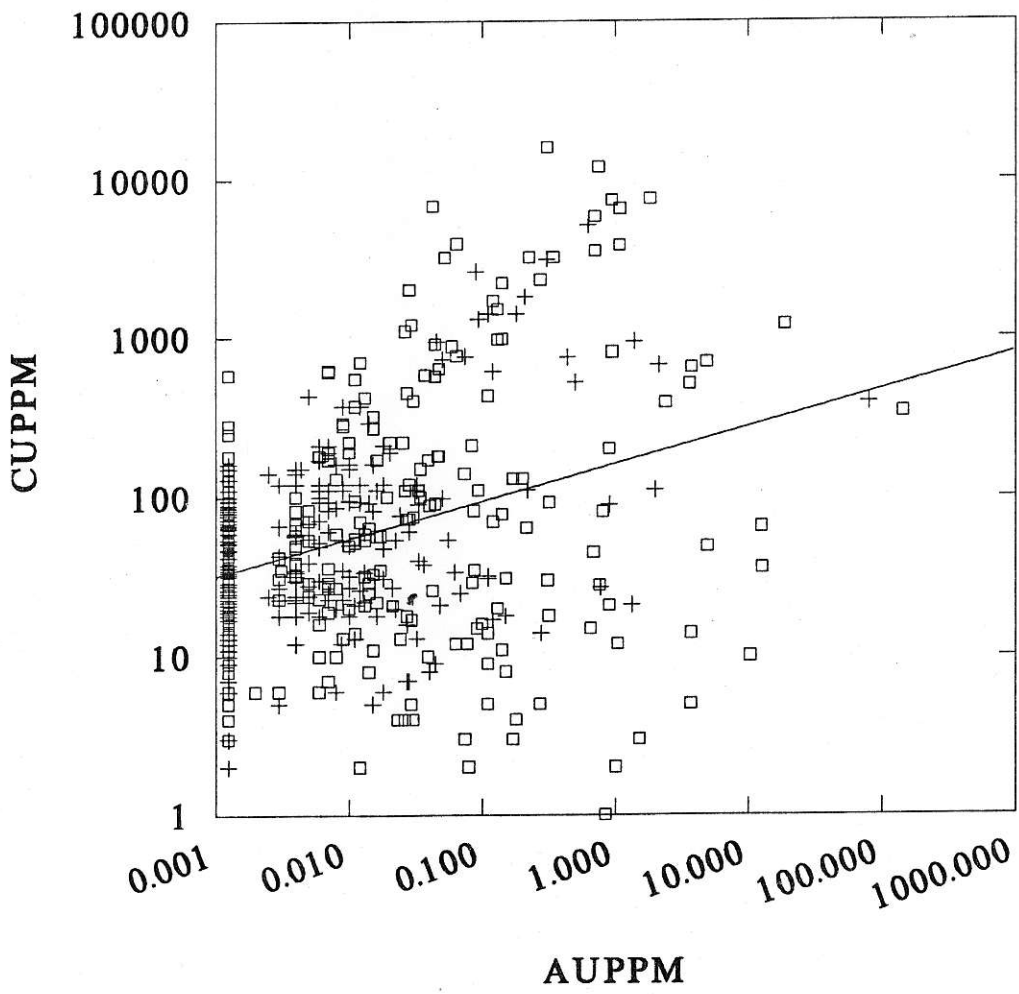
Traverse Data: Au (ppm) vs. Cu (ppm)
Unaltered/Altered Rocks

TOTAL OBSERVATIONS: 481

	AUPPM	CUPPM
N OF CASES	481	481
MINIMUM	0.001	0.000
MAXIMUM	144.000	16000.000
RANGE	143.999	16000.000
MEAN	0.717	330.530
VARIANCE	57.986	1553542.783
STANDARD DEV	7.615	1246.412
STD. ERROR	0.347	56.831
SKEWNESS(G1)	16.313	7.736
KURTOSIS(G2)	283.566	74.274
SUM	344.891	158985.000
C.V.	10.620	3.771
MEDIAN	0.007	48.000

101 sample

Traverse Data : Au (ppm) vs. Cu (ppm)



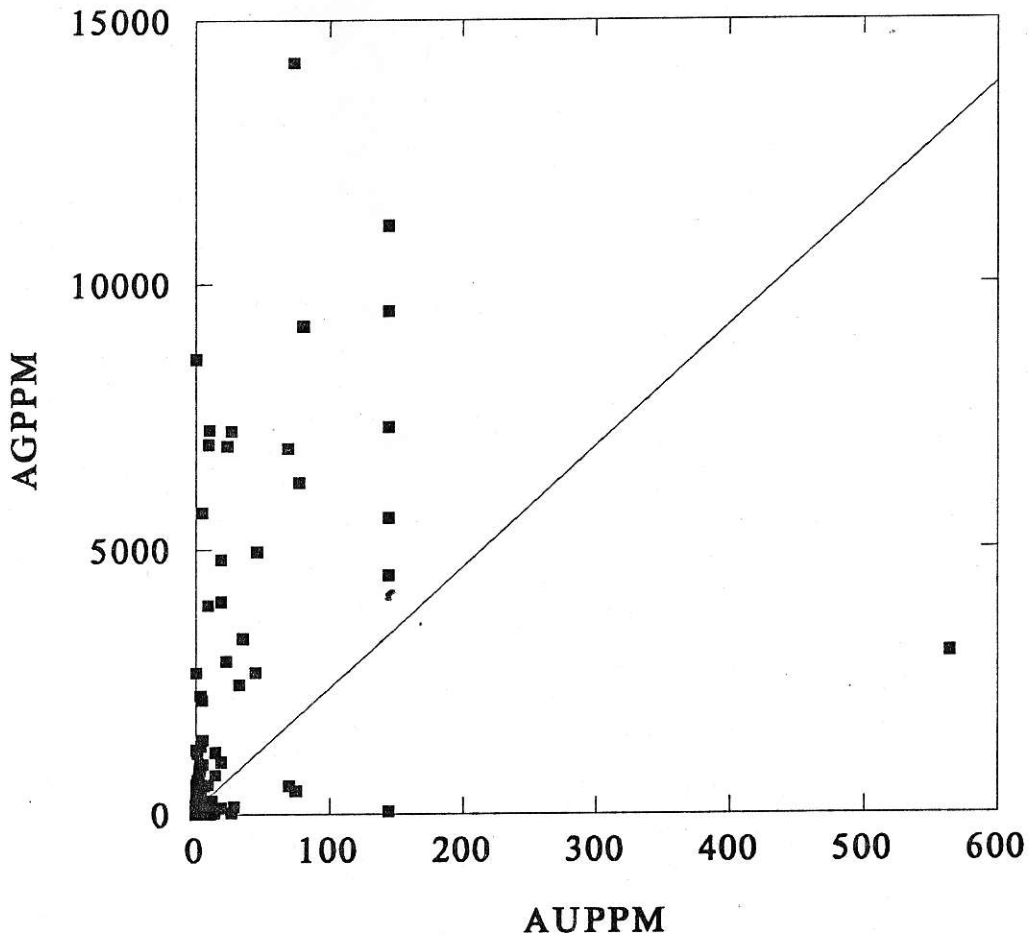
Traverse Data: Au (ppm) vs. Ag (ppm)

TOTAL OBSERVATIONS: 1165

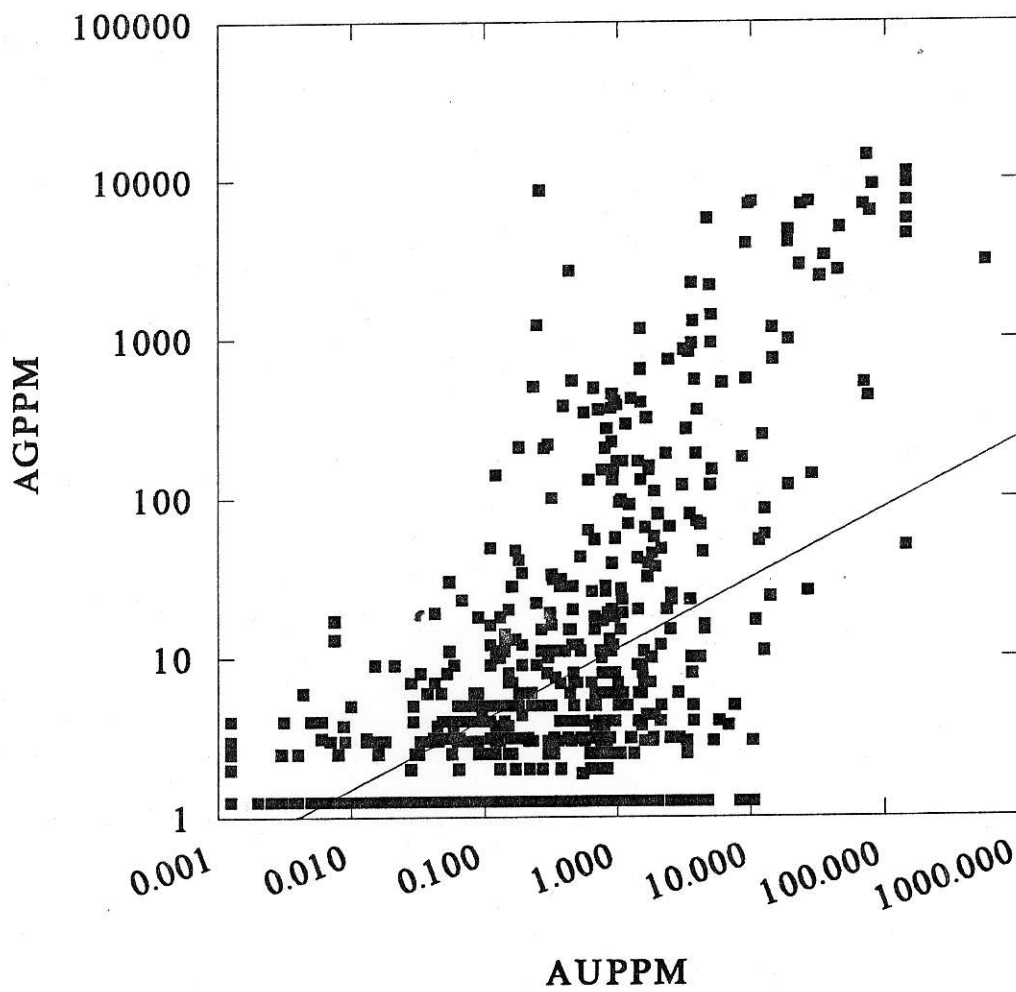
	AUPPM	AGPPM
N OF CASES	1165	1165
MINIMUM	0.001	1.250
MAXIMUM	564.000	14200.000
RANGE	563.999	14198.750
MEAN	2.482	161.369
VARIANCE	414.641	967001.460
STANDARD DEV	20.363	983.362
STD. ERROR	0.597	28.810
SKEWNESS (G1)	20.009	8.438
KURTOSIS (G2)	507.084	81.358
SUM	2891.059	187994.625
C.V.	8.206	6.094
MEDIAN	0.063	1.250

1165 Samples

Traverse Data : Au (ppm) vs. Ag (ppm)



Traverse Data : Au (ppm) vs. Ag (ppm)

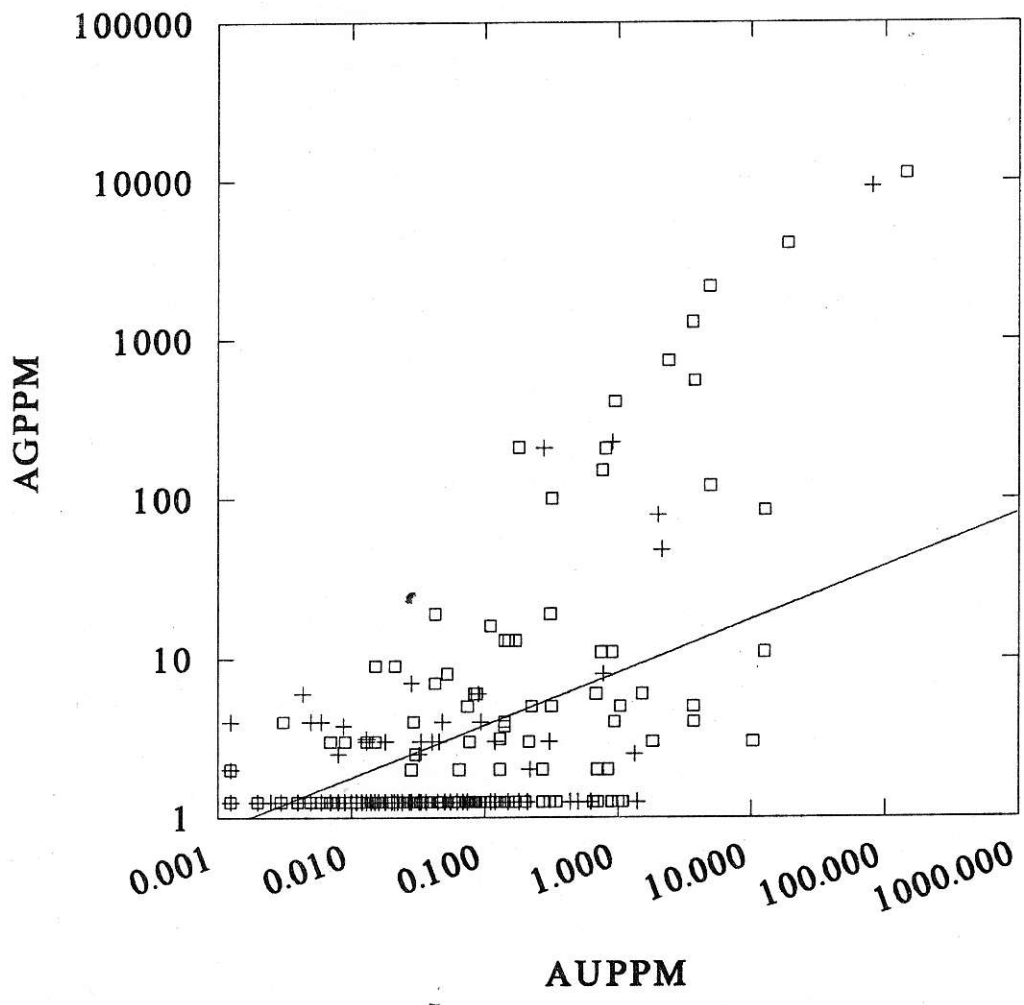


Traverse Data: Au (ppm) vs. Ag (ppm)
Unaltered/Altered Rocks

TOTAL OBSERVATIONS: 483

	AUPPM	AGPPM
N OF CASES	483	483
MINIMUM	0.001	1.250
MAXIMUM	144.000	11100.000
RANGE	143.999	11098.750
MEAN	0.714	65.767
VARIANCE	57.748	476188.925
STANDARD DEV	7.599	690.064
STD. ERROR	0.346	31.399
SKEWNESS(G1)	16.347	13.770
KURTOSIS(G2)	284.762	199.179
SUM	344.923	31765.500
C.V.	10.641	10.493
MEDIAN	0.007	1.250

Traverse Data : Au (ppm) vs. Ag (ppm)

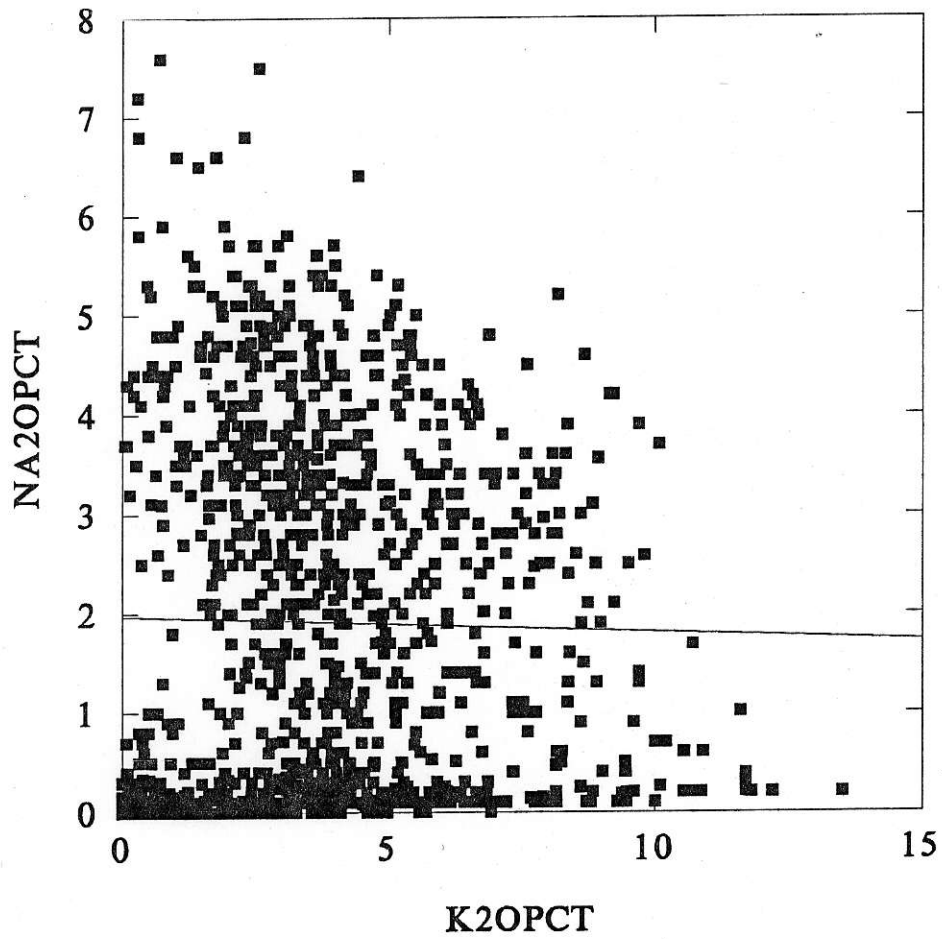


Traverse Data: K2O (%) vs. Na2O (%)

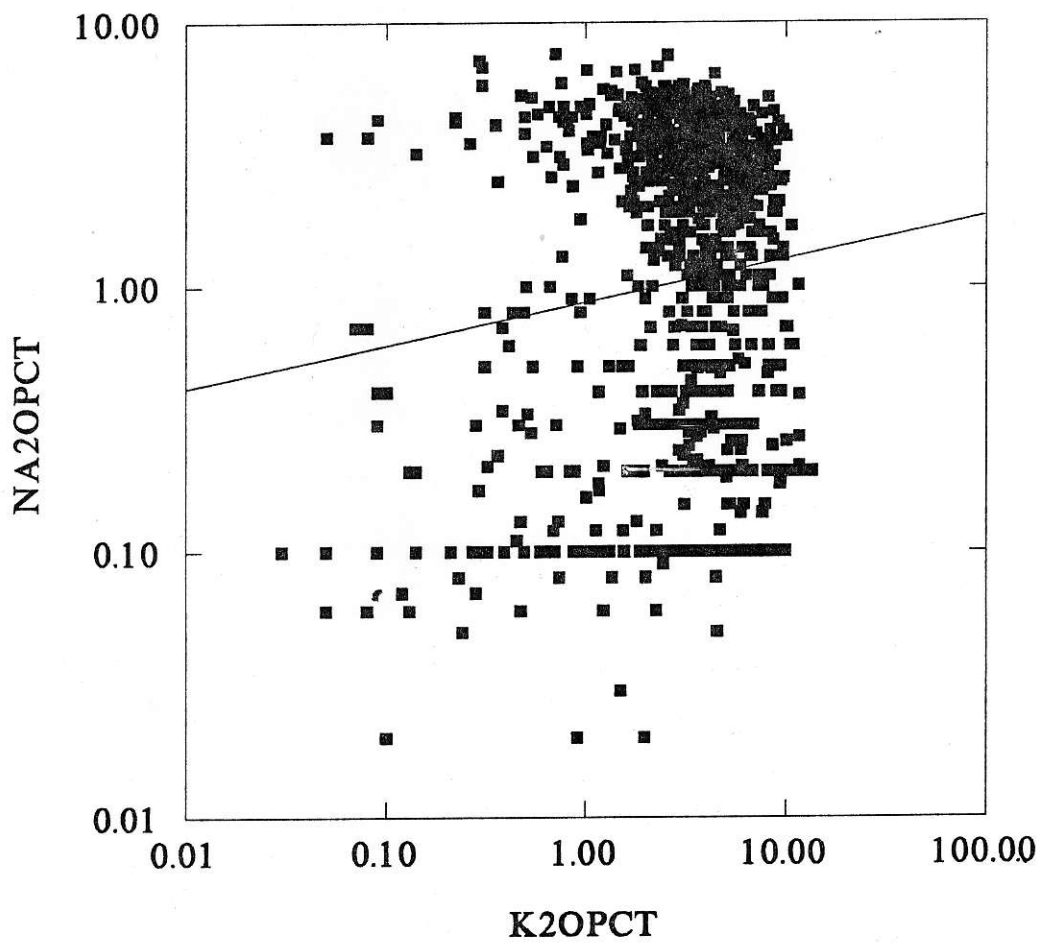
TOTAL OBSERVATIONS: 1103

	K2OPCT	NA2OPCT
N OF CASES	1103	1103
MINIMUM	0.000	0.000
MAXIMUM	13.500	7.600
RANGE	13.500	7.600
MEAN	3.798	1.910
VARIANCE	5.879	3.171
STANDARD DEV	2.425	1.781
STD. ERROR	0.073	0.054
SKEWNESS (G1)	0.749	0.550
KURTOSIS (G2)	0.442	-0.877
SUM	4188.980	2107.230
C.V.	0.638	0.932
MEDIAN	3.530	1.500

Traverse Data : K₂O (%) vs. Na₂O (%)



Traverse Data : K₂O (%) vs. Na₂O (%)



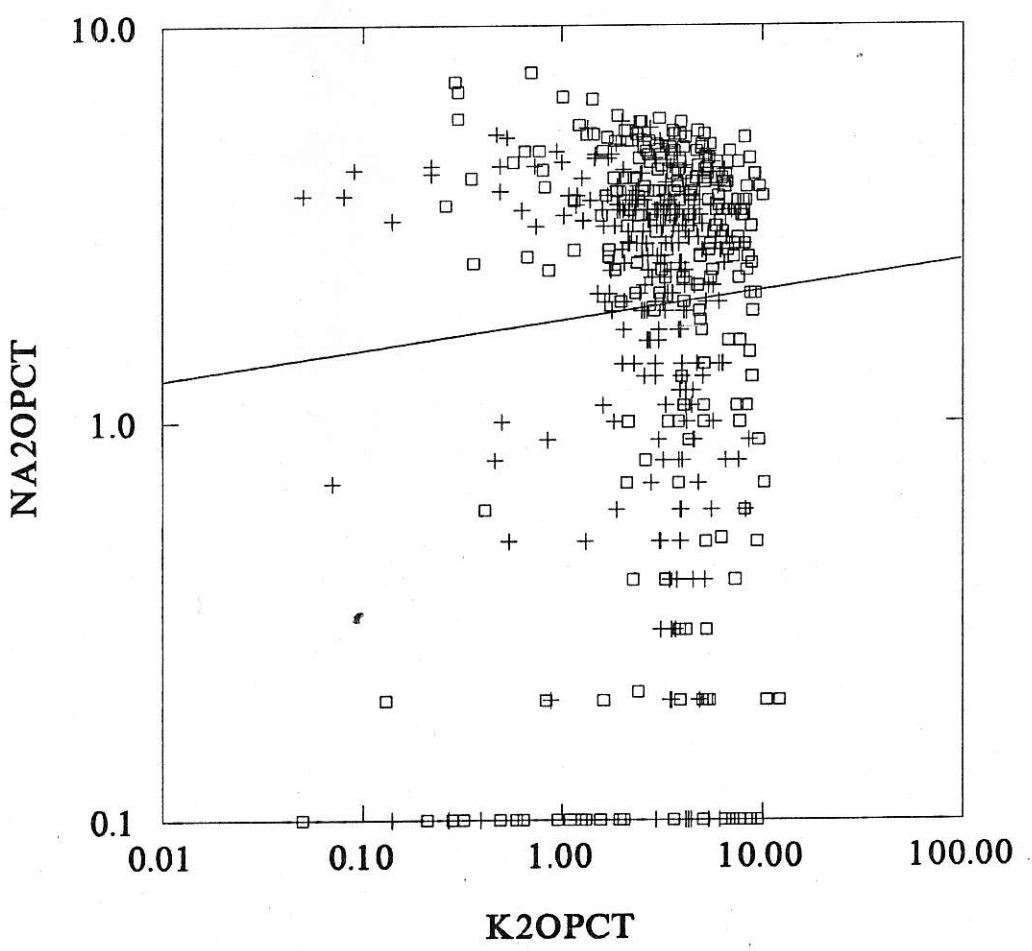
Traverse Data: K2O (%) vs. Na2O (%)
Unaltered/Altered Rocks

TOTAL OBSERVATIONS: 528

	K2OPCT	NA2OPCT
N OF CASES	528	528
MINIMUM	0.000	0.000
MAXIMUM	12.200	7.600
RANGE	12.200	7.600
MEAN	3.566	2.602
VARIANCE	5.323	2.925
STANDARD DEV	2.307	1.710
STD. ERROR	0.100	0.074
SKEWNESS(G1)	0.734	0.014
KURTOSIS(G2)	0.254	-0.922
SUM	1883.060	1373.920
C.V.	0.647	0.657
MEDIAN	3.295	2.800

523 Samples

Traverse Data : K₂O (%) vs. Na₂O (%)

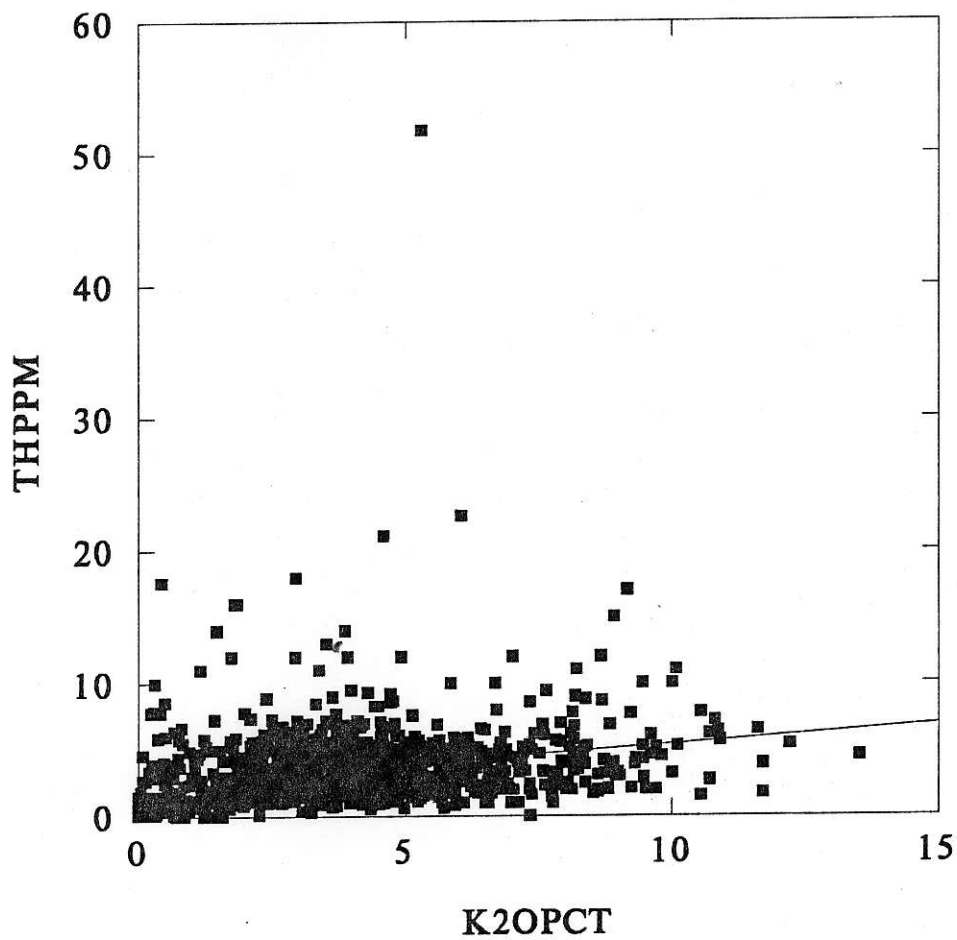


Traverse Data: K2O (%) vs. Th (ppm)

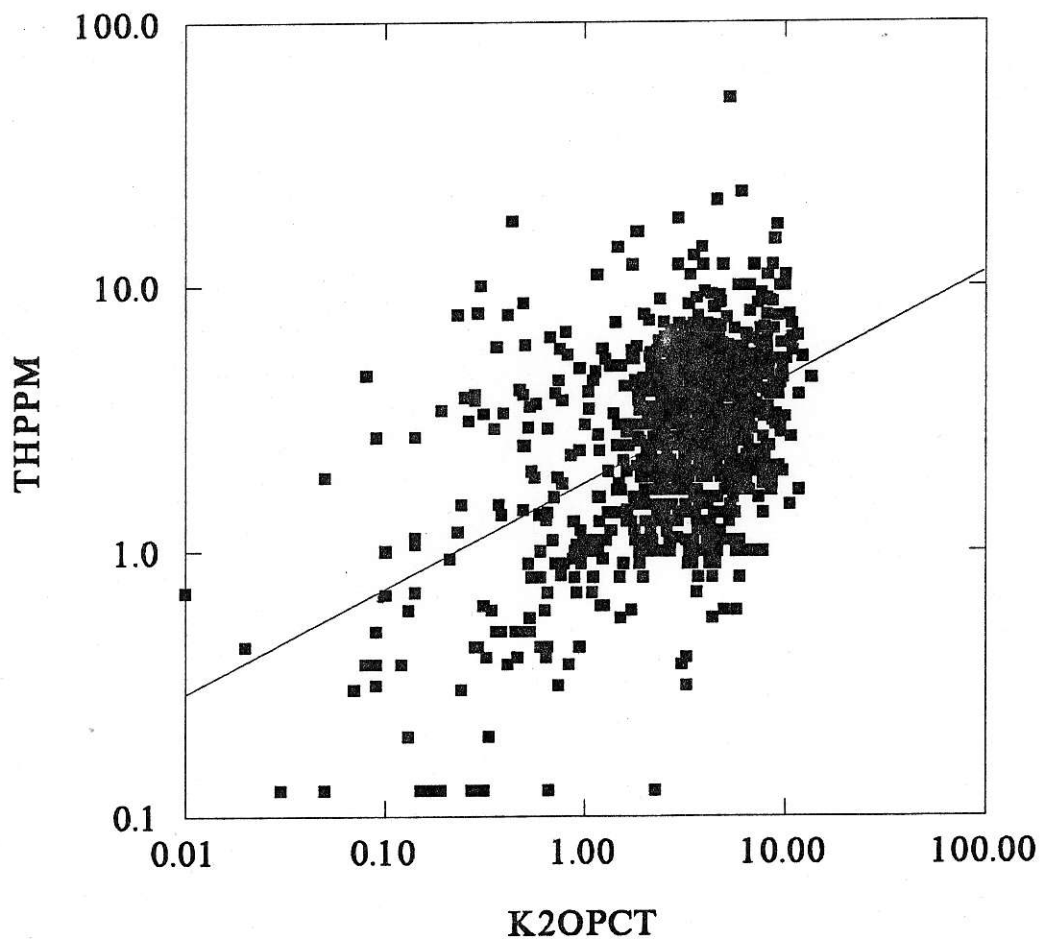
TOTAL OBSERVATIONS: 1017

	K2OPCT	THPPM
N OF CASES	1017	1017
MINIMUM	0.000	0.000
MAXIMUM	13.500	51.800
RANGE	13.500	51.800
MEAN	3.841	3.566
VARIANCE	5.803	8.851
STANDARD DEV	2.409	2.975
STD. ERROR	0.076	0.093
SKEWNESS(G1)	0.720	5.557
KURTOSIS(G2)	0.360	71.691
SUM	3906.130	3626.263
C.V.	0.627	0.834
MEDIAN	3.550	3.100

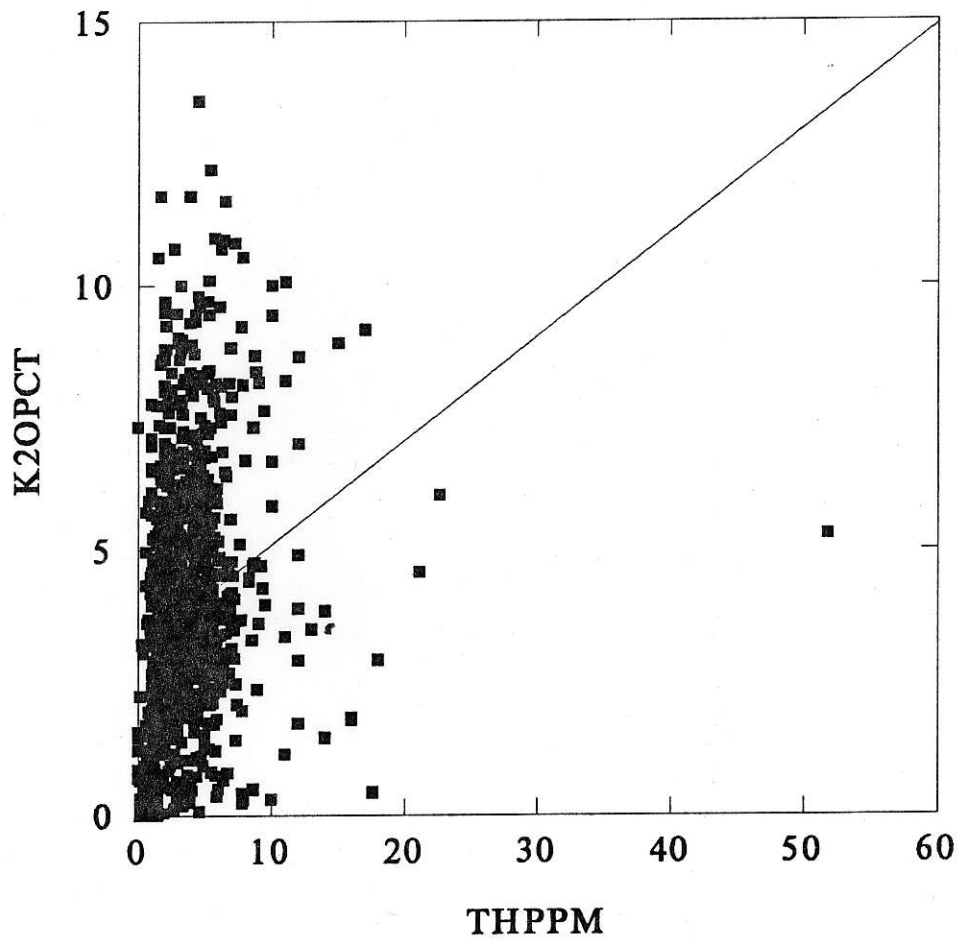
Traverse Data : K₂O (%) vs. Th (ppm)



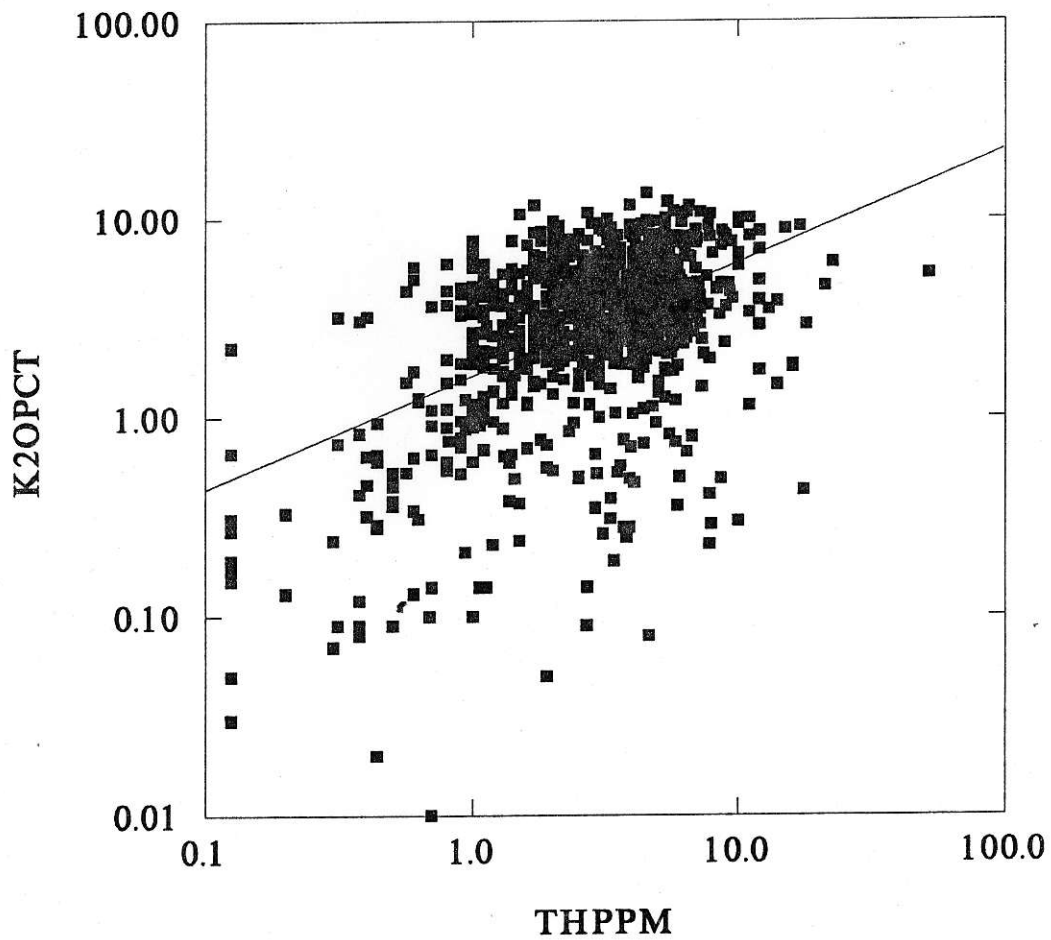
Traverse Data : K2O (%) vs. Th (ppm)



Traverse Data : Th (ppm) vs. K2O (%)



Traverse Data : Th (ppm) vs. K2O (%)

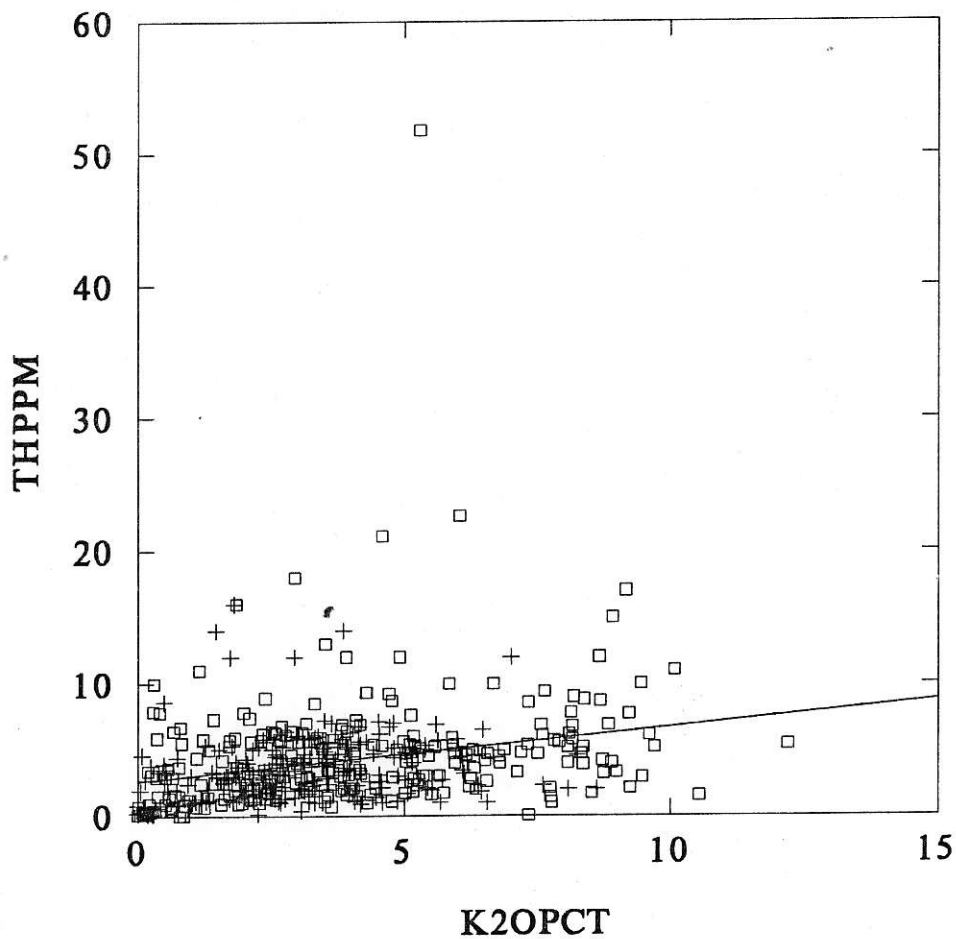


Traverse Data: K2O (%) vs. Th (ppm)
Unaltered/Altered Rocks

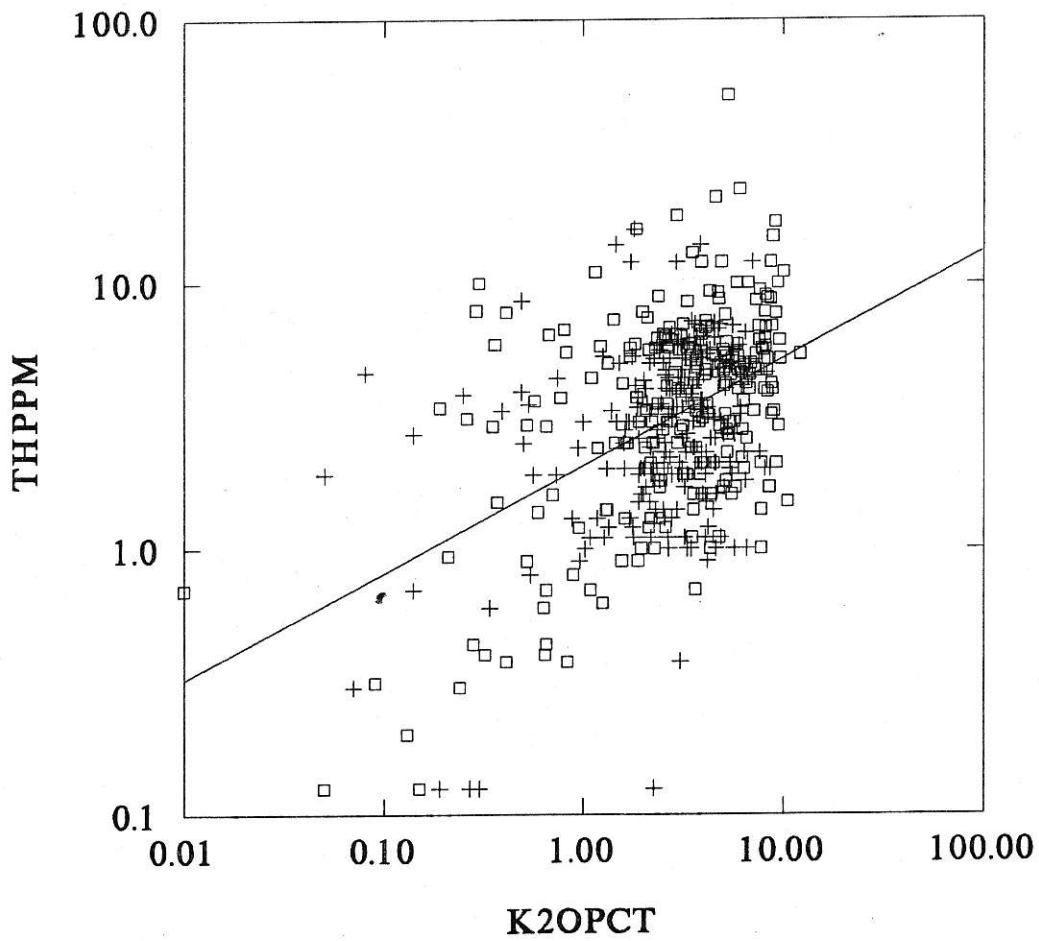
TOTAL OBSERVATIONS: 483

	K2OPCT	THPPM
N OF CASES	483	483
MINIMUM	0.000	0.000
MAXIMUM	12.200	51.800
RANGE	12.200	51.800
MEAN	3.604	4.095
VARIANCE	5.334	13.928
STANDARD DEV	2.309	3.732
STD. ERROR	0.105	0.170
SKEWNESS (G1)	0.742	5.392
KURTOSIS (G2)	0.229	56.802
SUM	1740.830	1977.775
C.V.	0.641	0.911
MEDIAN	3.300	3.400

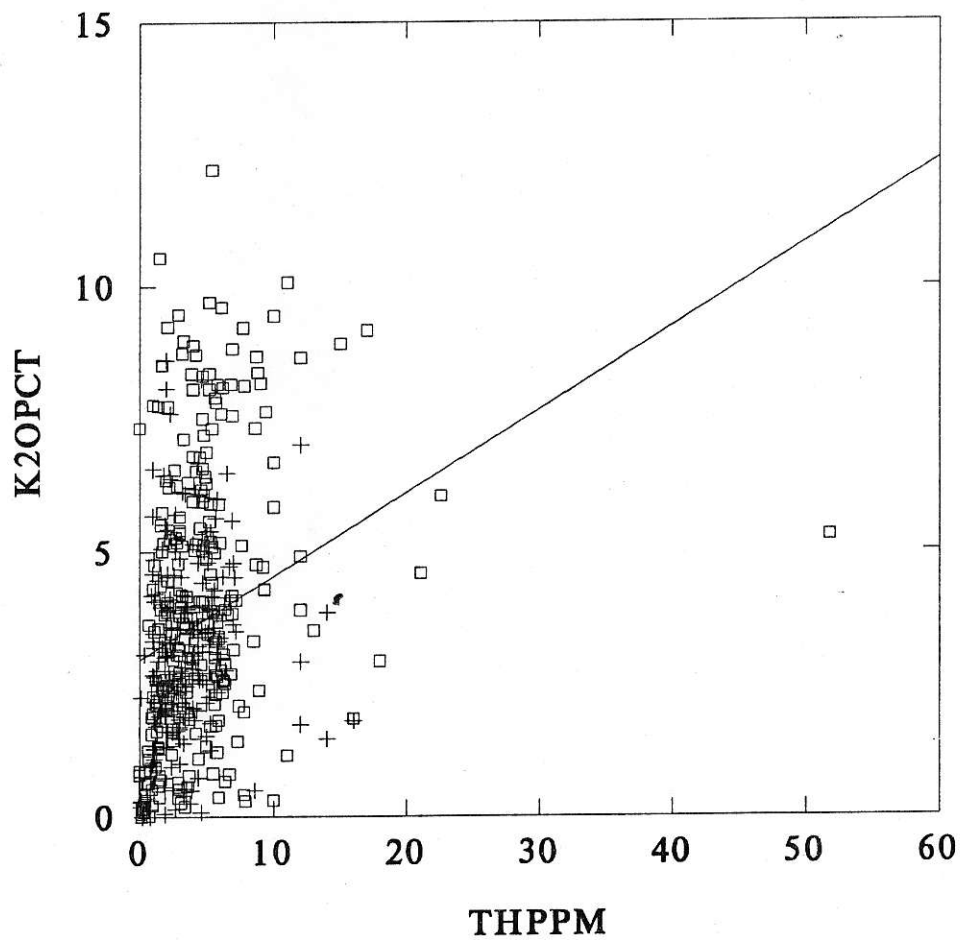
Traverse Data : K₂O (%) vs. Th (ppm)



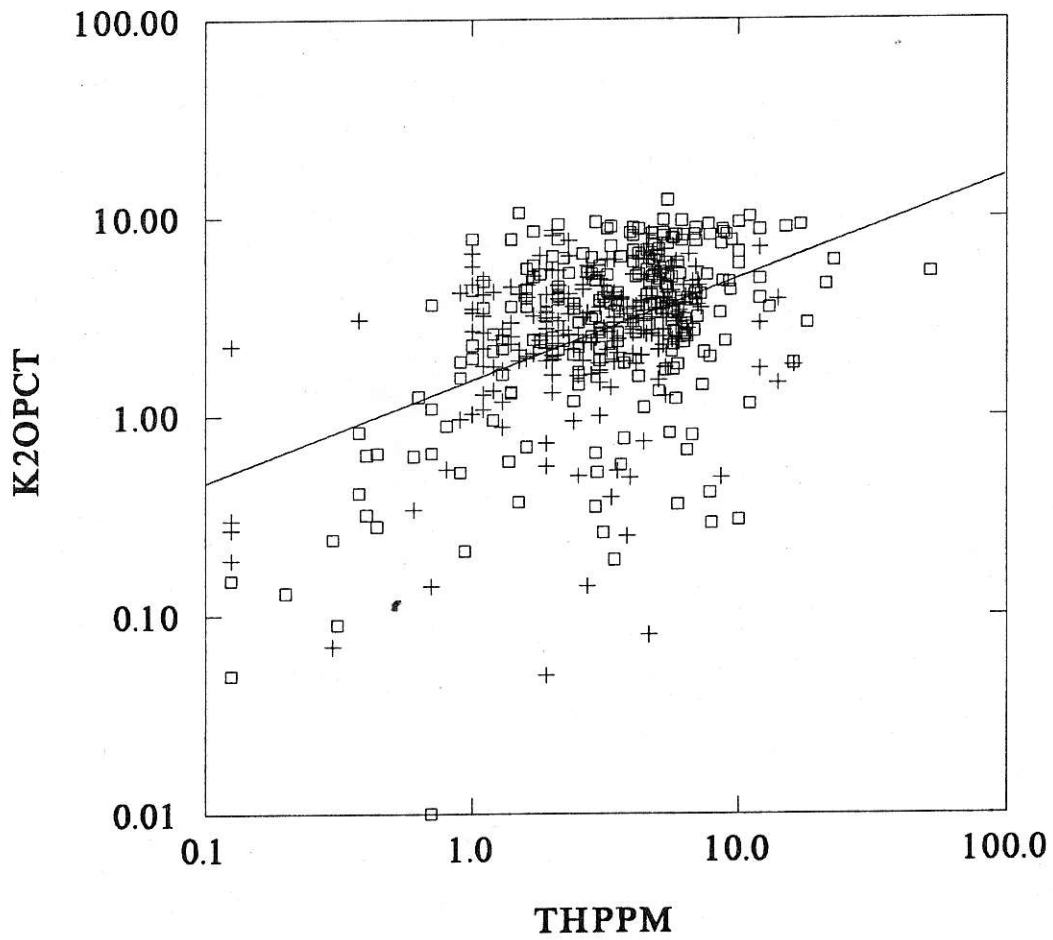
Traverse Data : K₂O (%) vs. Th (ppm)



Traverse Data : Th (ppm) vs. K2O (%)



Traverse Data : Th (ppm) vs. K2O (%)



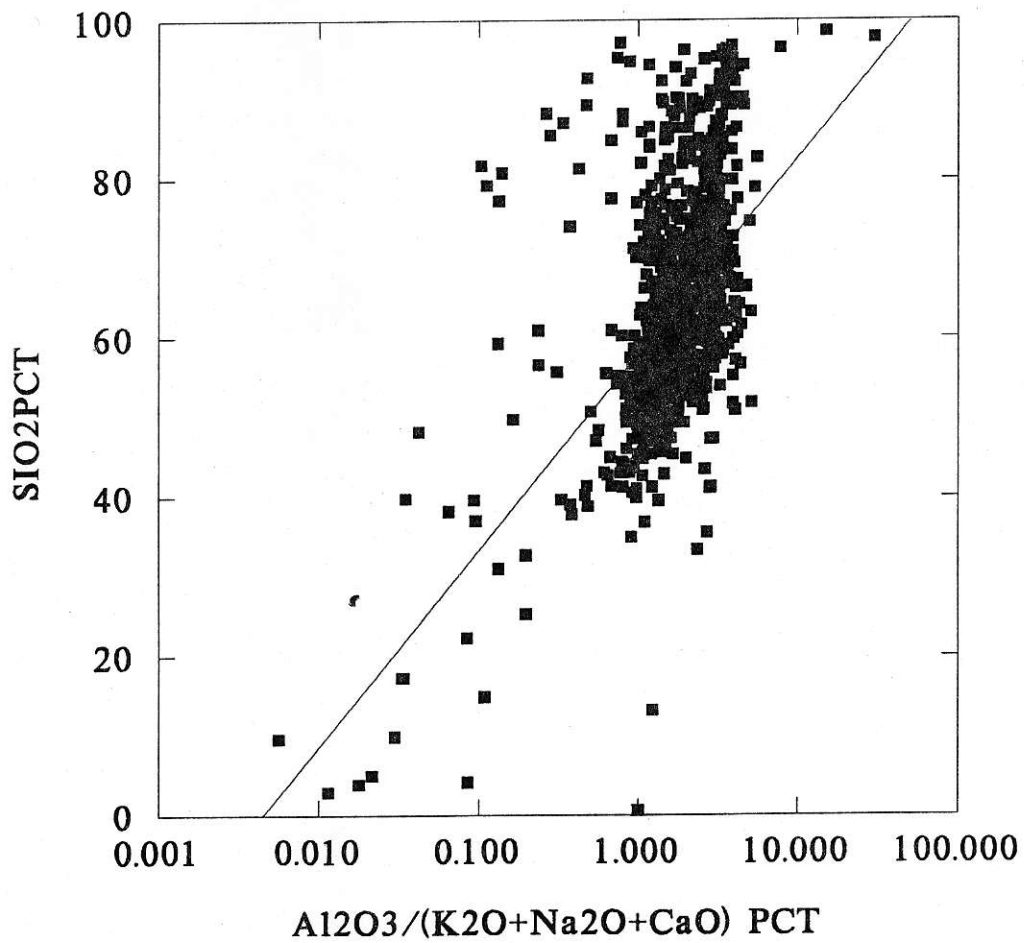
Traverse Data: Al₂O₃/(K₂O+Na₂O+CaO) (%) vs. SiO₂ (%)

TOTAL OBSERVATIONS: 1103

	RATIO1	SIO2PCT
N OF CASES	1103	1103
MINIMUM	0.000	0.000
MAXIMUM	30.000	98.600
RANGE	30.000	98.600
MEAN	1.888	62.845
VARIANCE	1.723	187.753
STANDARD DEV	1.313	13.702
STD. ERROR	0.040	0.413
SKEWNESS(G1)	10.161	-0.171
KURTOSIS(G2)	198.368	2.231
SUM	2082.975	69318.120
C.V.	0.695	0.218
MEDIAN	1.553	60.300

100-1000
1000-10000
10000-100000

Traverse Data : $\text{Al}_2\text{O}_3 / (\text{K}_2\text{O} + \text{Na}_2\text{O} + \text{CaO})$ (%) vs. SiO_2 (%)



Traverse Data: Al₂O₃/(K₂O+Na₂O+CaO) % vs. SiO₂ %
Unaltered/Altered Rocks

TOTAL OBSERVATIONS: 528

	RATIO1	SIO2PCT
N OF CASES	528	528
MINIMUM	0.011	2.900
MAXIMUM	30.000	98.600
RANGE	29.989	95.700
MEAN	1.738	61.467
VARIANCE	2.532	174.825
STANDARD DEV	1.591	13.222
STD. ERROR	0.069	0.575
SKEWNESS(G1)	11.980	0.300
KURTOSIS(G2)	196.024	2.901
SUM	917.633	32454.600
C.V.	0.916	0.215
MEDIAN	1.441	58.900

no samples

Traverse Data : $\text{Al}_2\text{O}_3 / (\text{K}_2\text{O} + \text{Na}_2\text{O} + \text{CaO})$ (%) vs. SiO_2 (%)

