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This document provides a series of graphical summaries for selected water quality parameters using data collected during the period 1949-1990.

The 1949-1950 data were obtained from Raw Surface Water Analysis reports generated by Environment Canada. These data were input to a database along with the more recent water quality data (of the same parameters) retained in SEAM.

Within each of the enclosed Sections, graphical or statistical summaries are provided alphabetically by River System.

SECTION I contains a presentation of Parameter Concentration changes over time for the Columbia, Kootenay and Skeena rivers. These graphs are preceded by two bar charts which summarize annual river discharges for each system.

SECTION II provides a series of graphs outlining time-series changes in Export Coefficients for each parameter (where data were available) and each of the rivers examined. Due to the sporadic nature of sampling over the period reviewed, individual sample concentrations were used with the annual discharge estimate (dam3) and drainage area (km2) to produce a number of Export Coefficient estimates which were then treated as replicates for each of the years reviewed. Using the Statistical Analysis System (SAS), annual **Means** and **Standard Errors** were calculated for each parameter and year used in the calculation of an Export Coefficient. Data are presented graphically as the MEAN +/- STD.ERR over time; all data expressed as Kg/Km2/Yr (x1,000).

SECTION III of this report provides the statistical summary generated using SAS for each year and parameter. These are the data used to generate the graphs presented in SECTION II. This Section should prove particularly useful in interpreting apparent trends (or outliers) shown in the Section II graphs as the sample sizes are presented along with the Means and Standard errors.

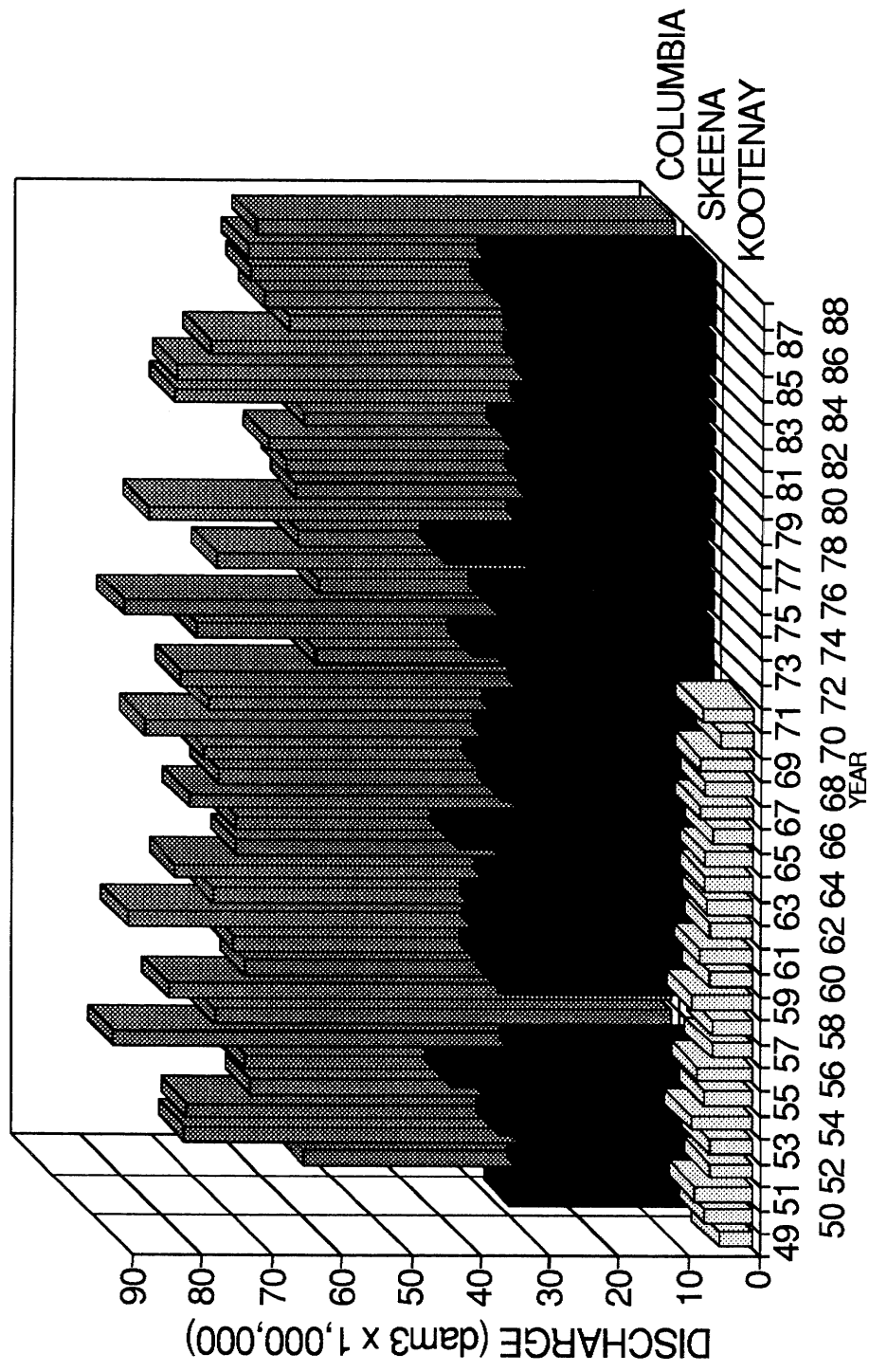
RIVERS EVALUATED		
SECTION I	SECTION II	SECTION III
Columbia Kootenay Skeena	Columbia Elk Flat-Head Kootenay Quinsam Salmon Similkameen Skeena	Columbia Elk Flat-Head Kootenay Quinsam Salmon Similkameen Skeena

SECTION I

TIME-SERIES GRAPHS OF CONCENTRATIONS

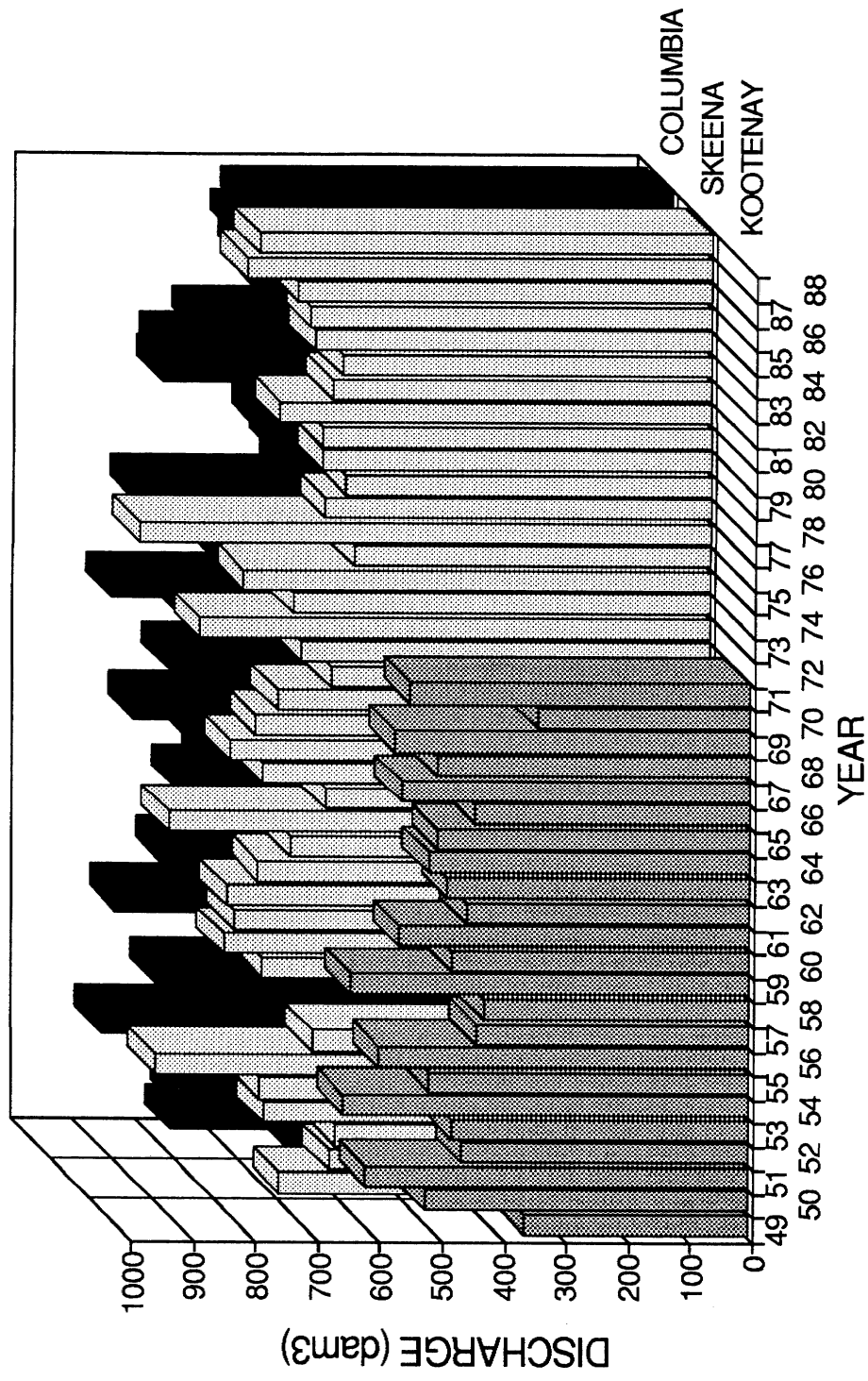
TOTAL ANNUAL DISCHARGE

1949 - 1988

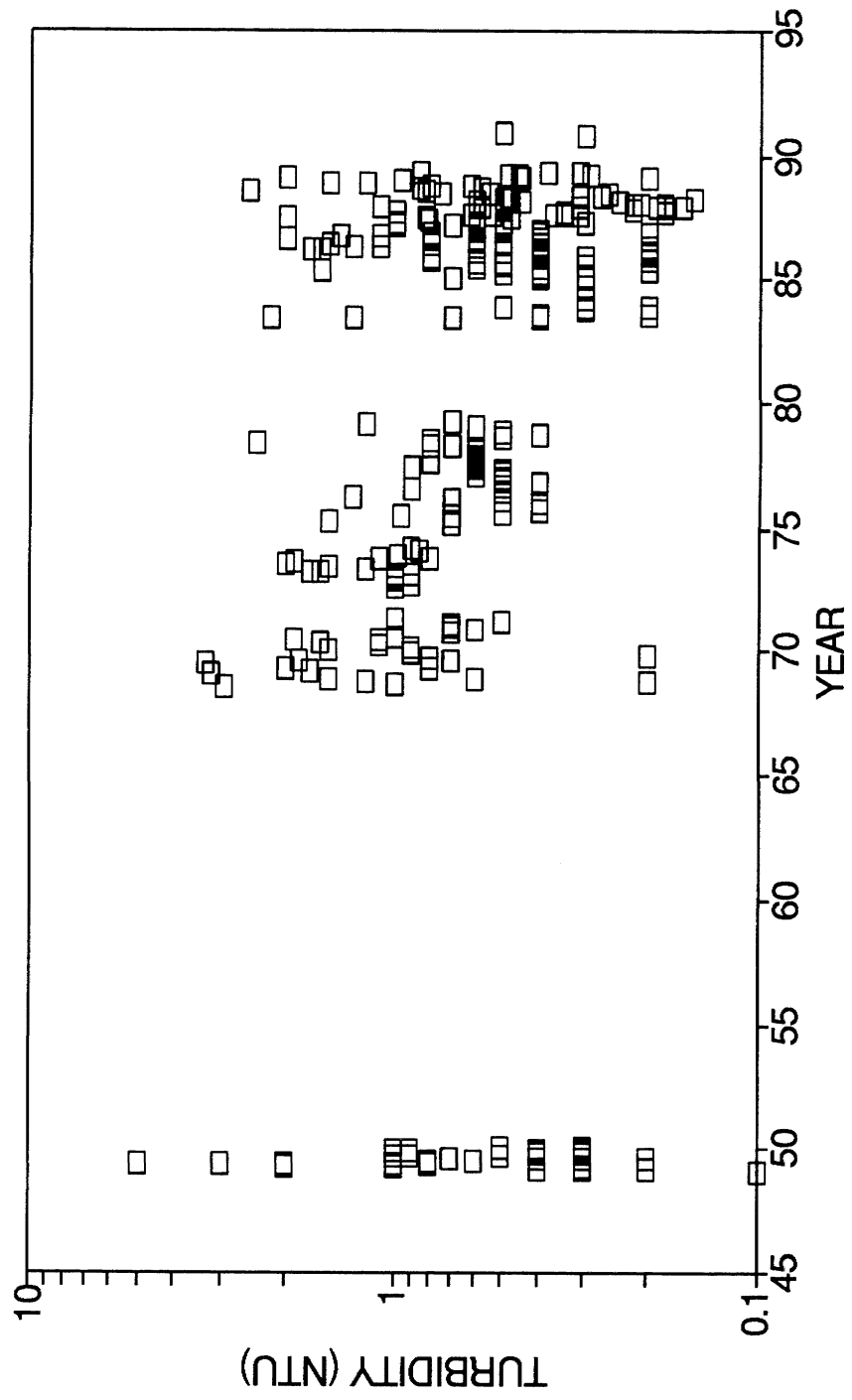


DISCHARGE PER SQ.KM OF WATERSHED

1949 - 1988

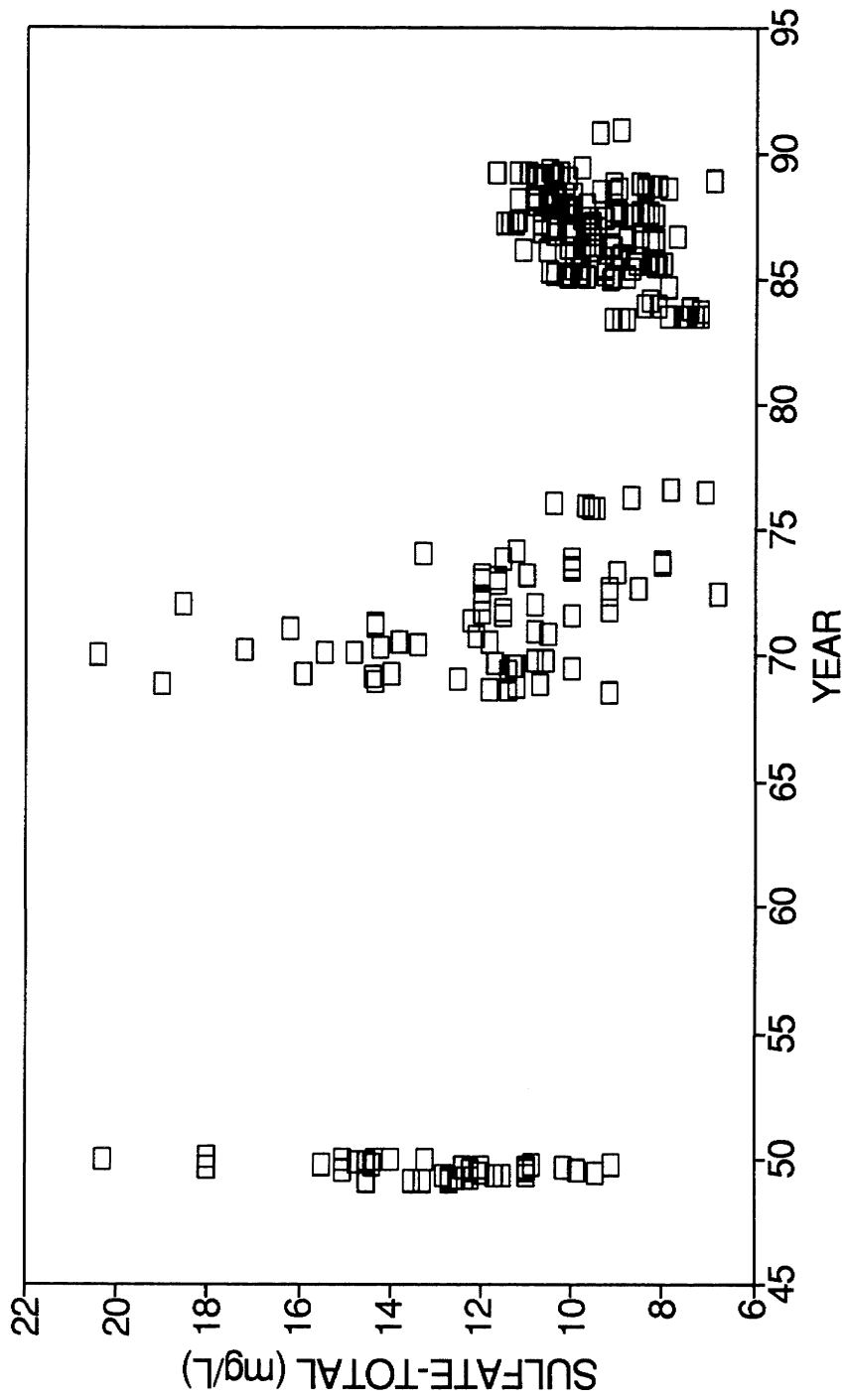


COLUMBIA RIVER TURBIDITY

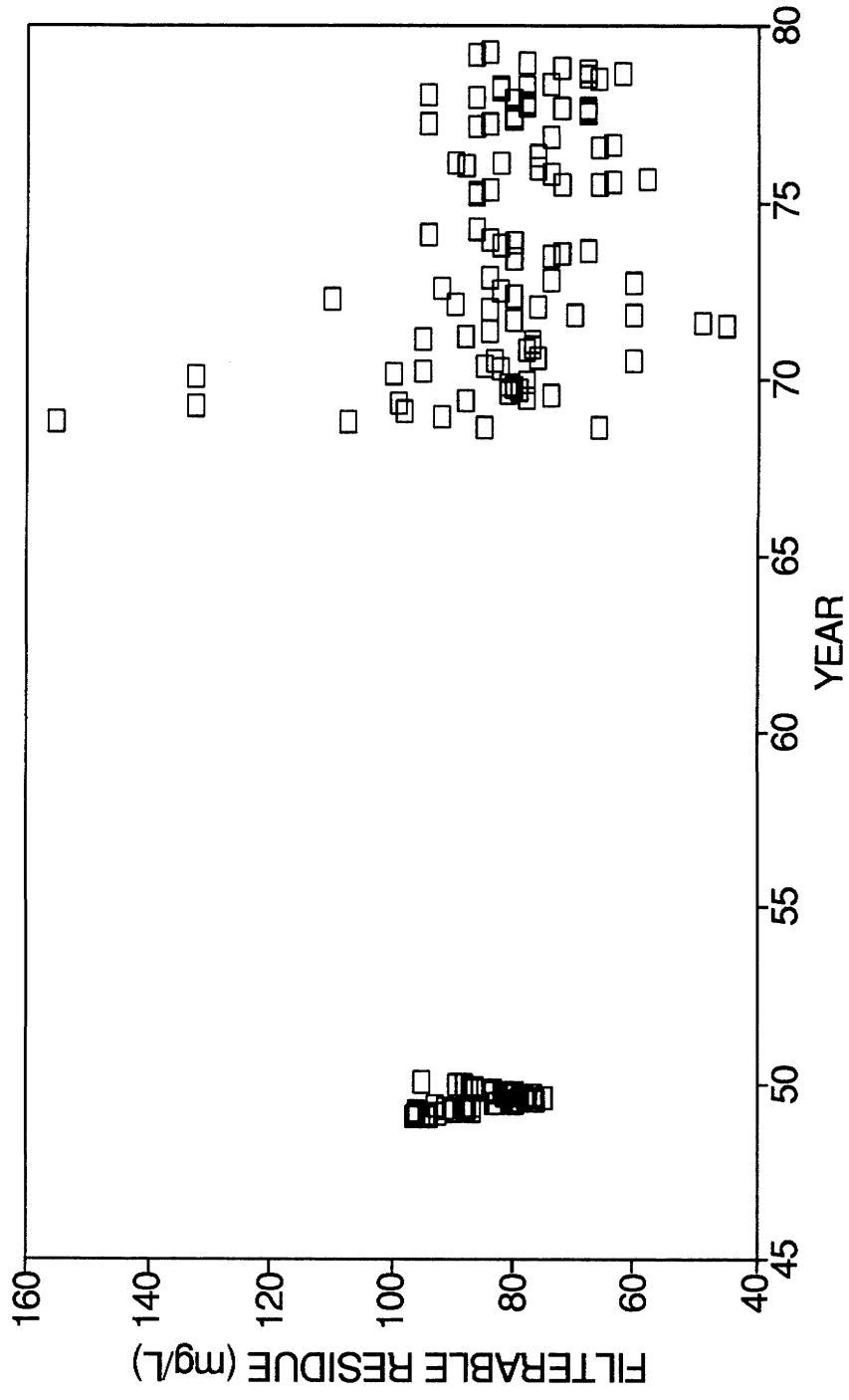


COLUMBIA RIVER

SULFATE CONCENTRATIONS

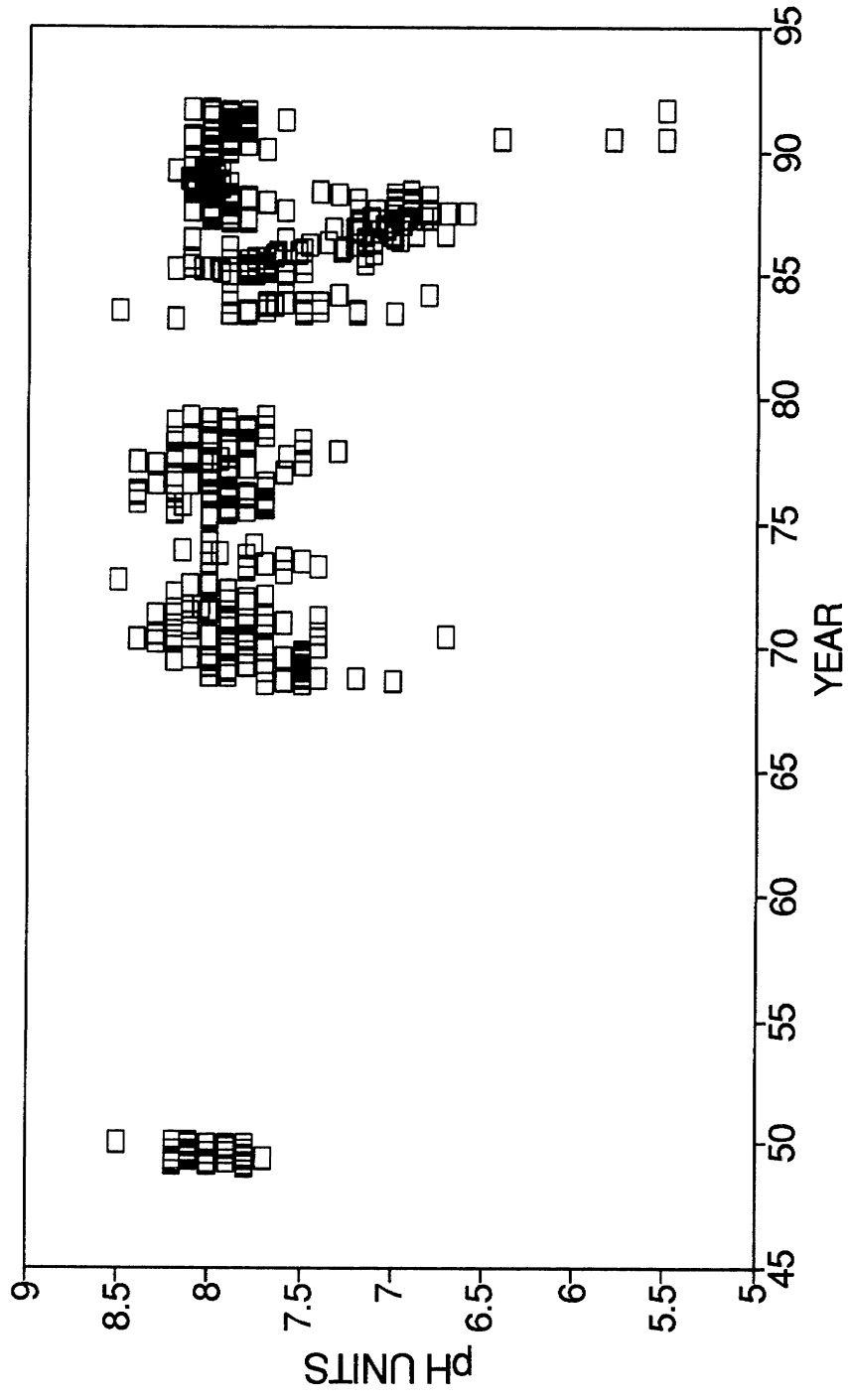


COLUMBIA RIVER RESIDUE



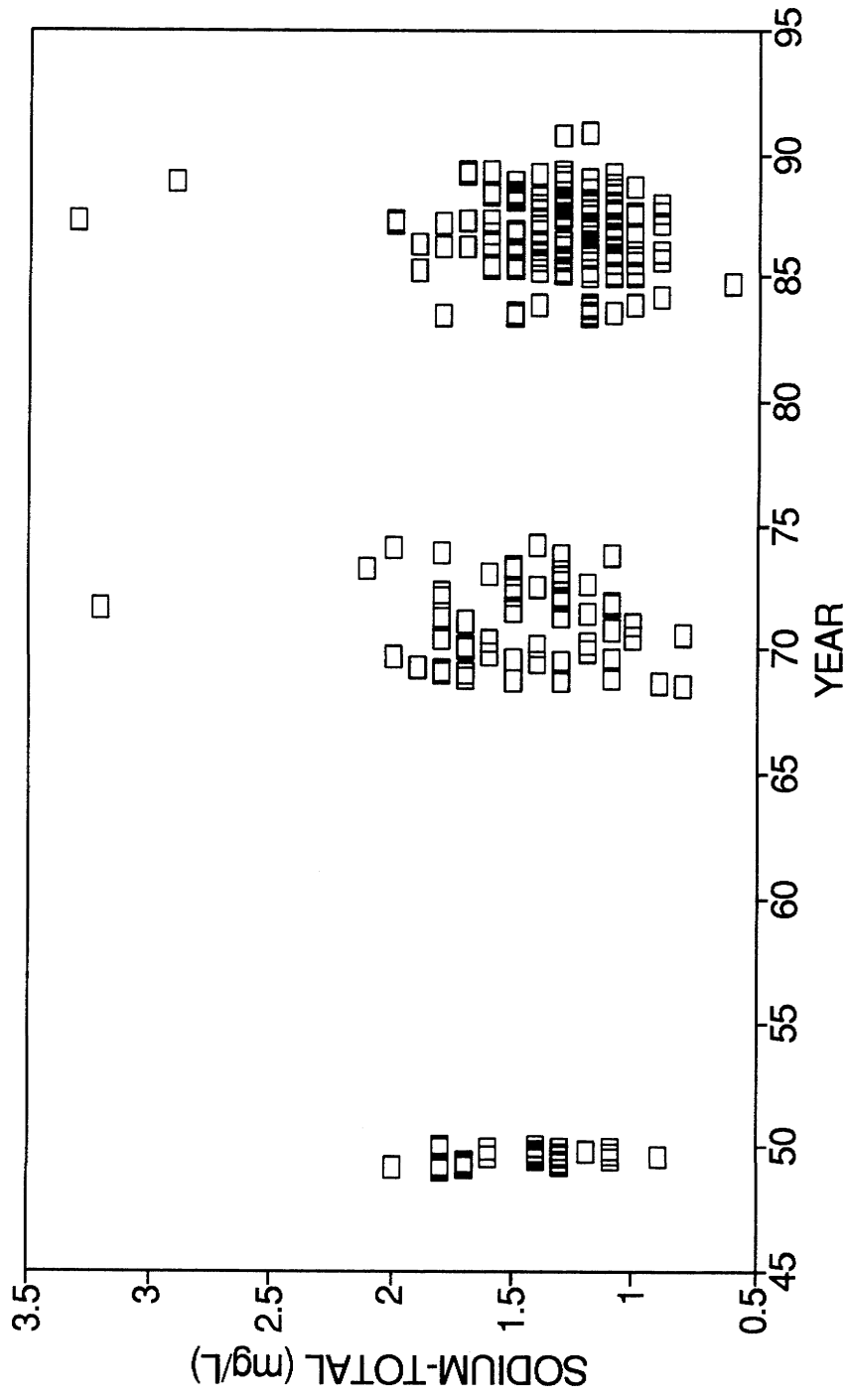
COLUMBIA RIVER

pH



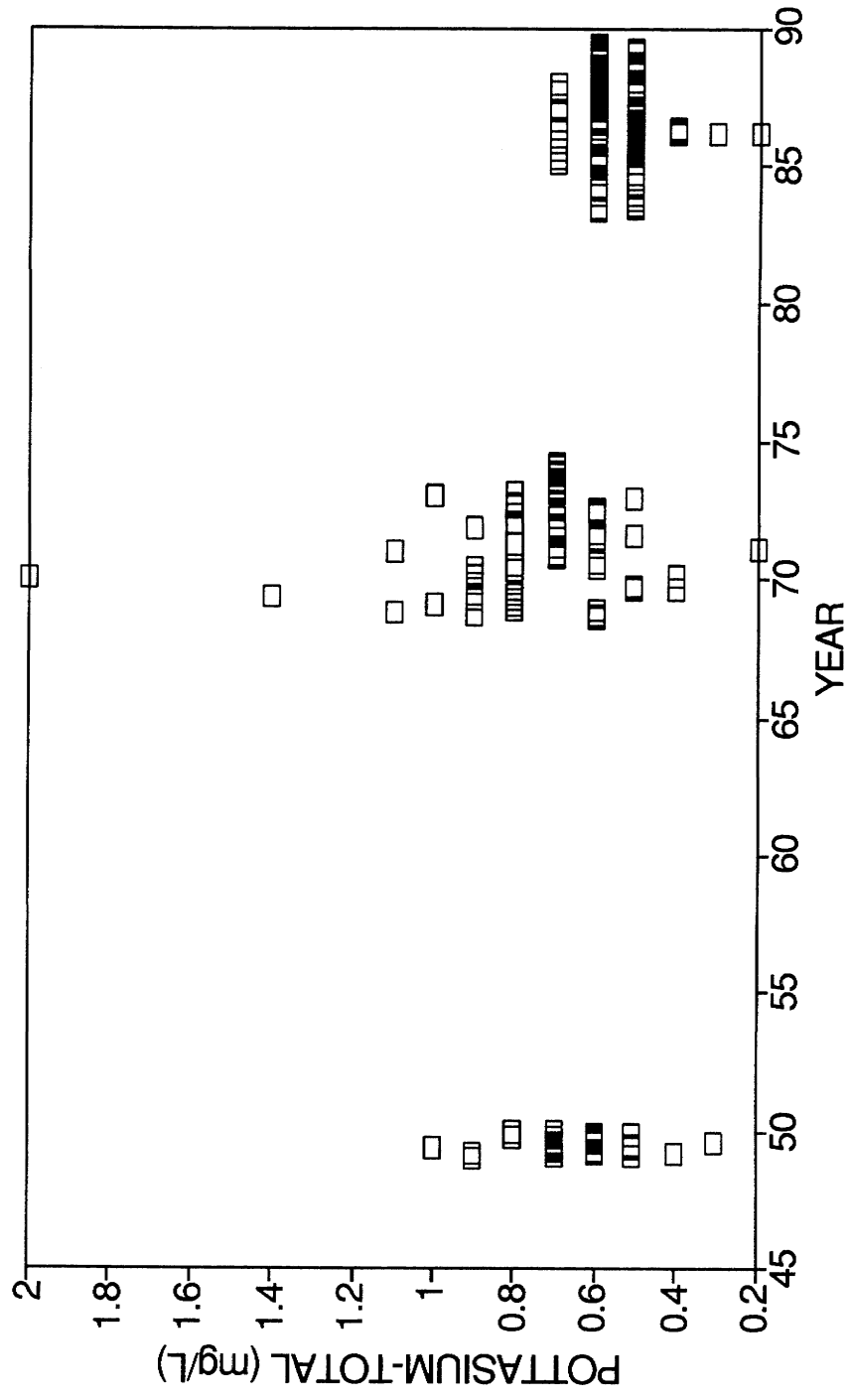
COLUMBIA RIVER

SODIUM CONCENTRATIONS



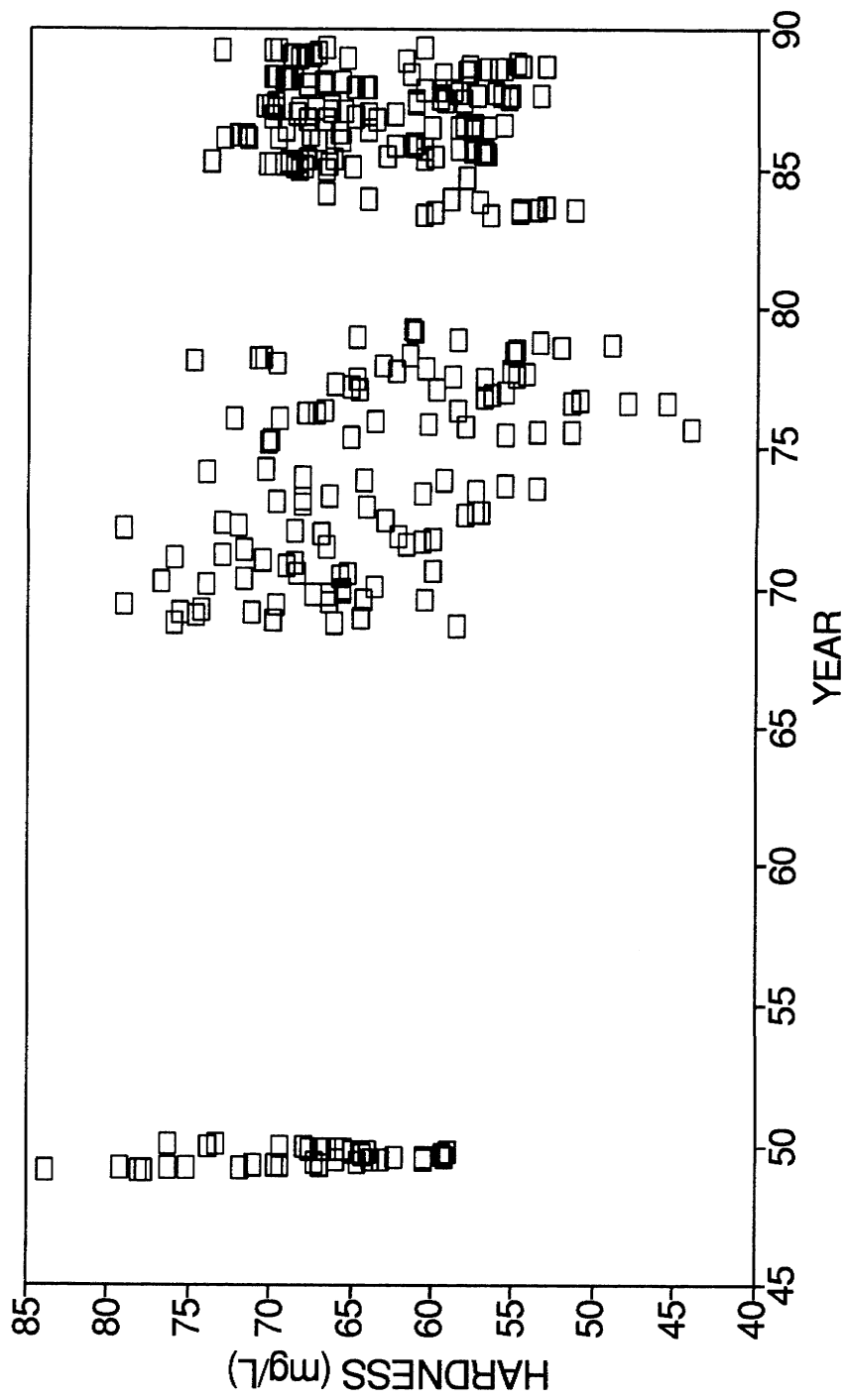
COLUMBIA RIVER

POTASSIUM CONCENTRATIONS



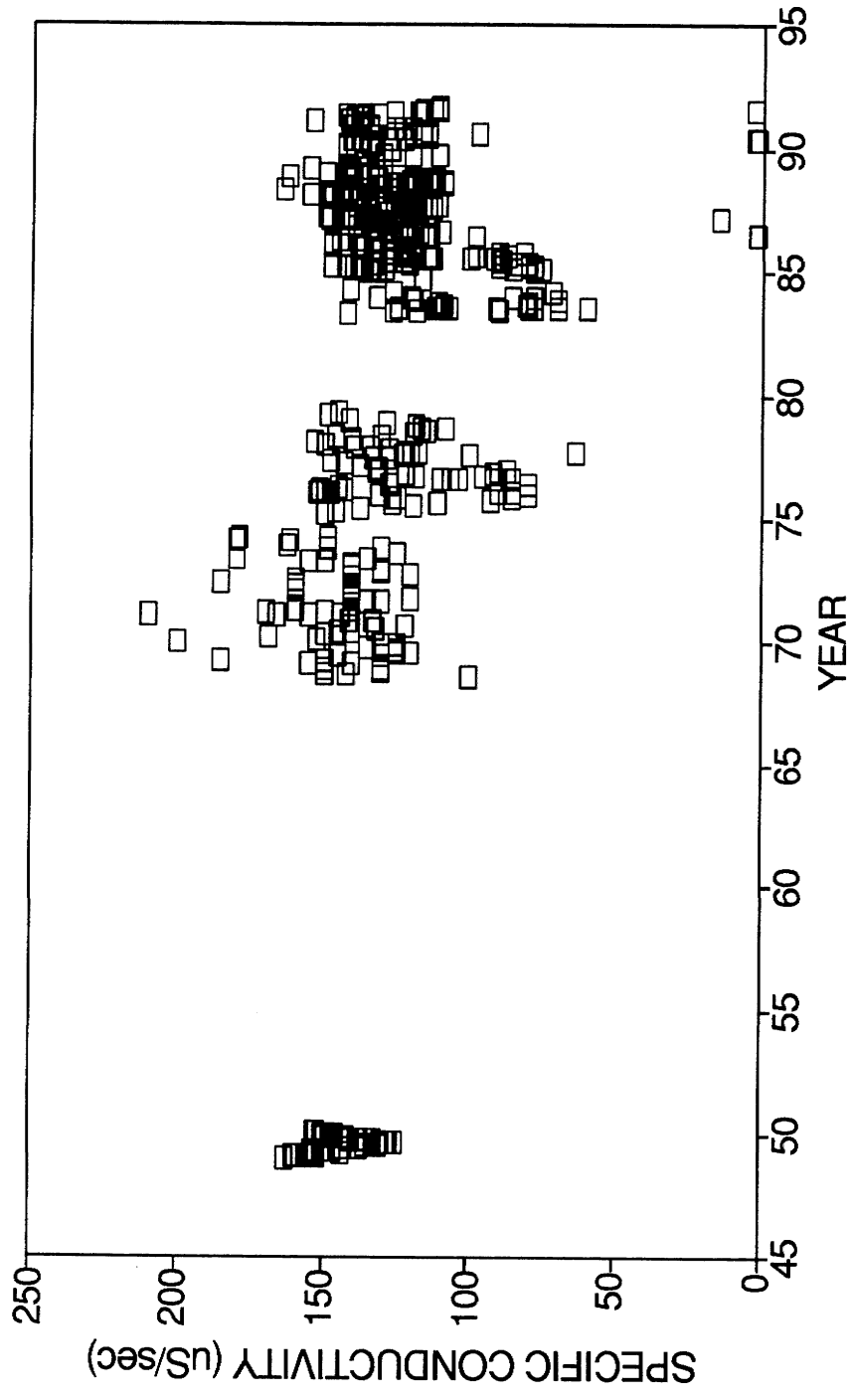
COLUMBIA RIVER

HARDNESS



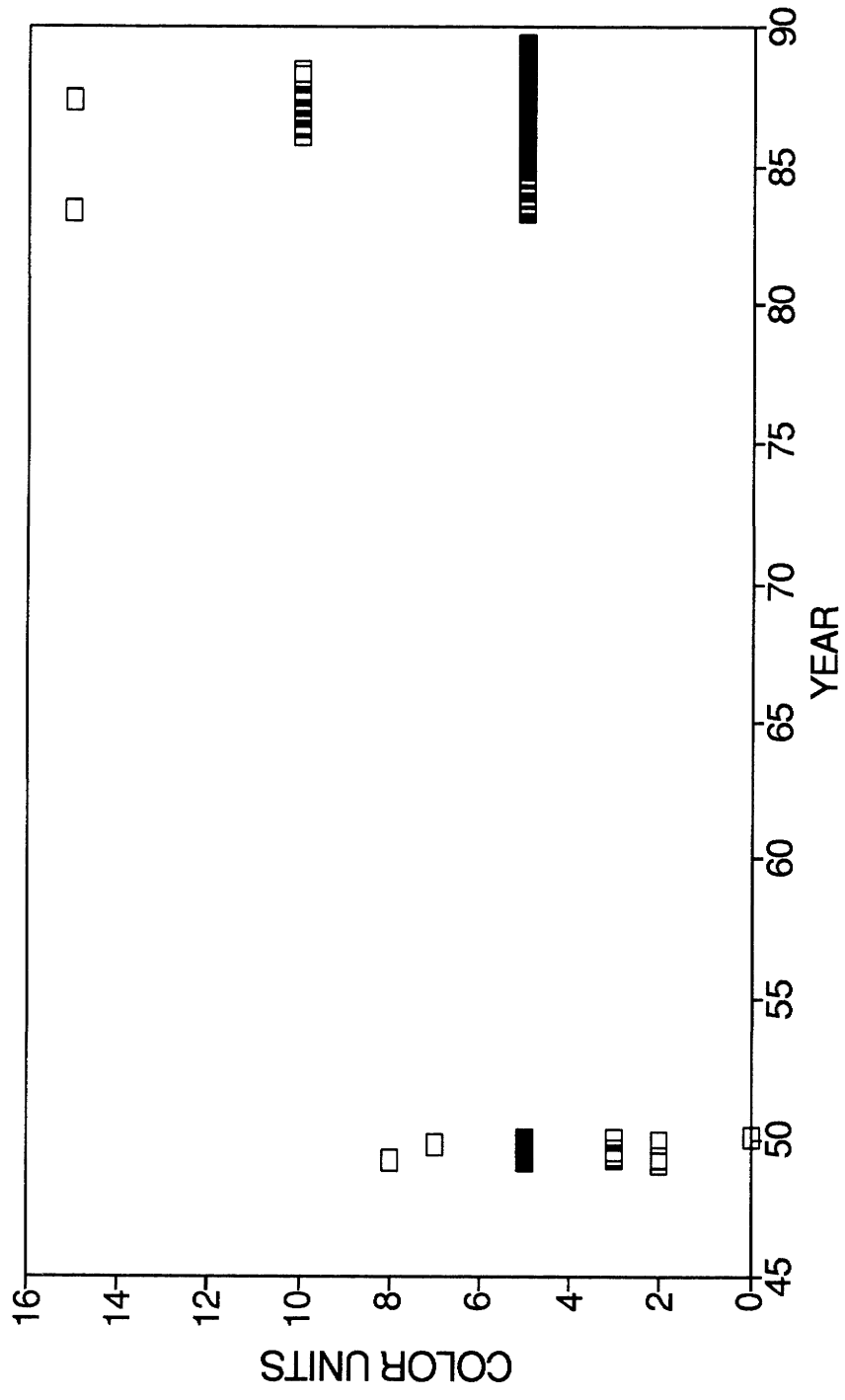
COLUMBIA RIVER

SPECIFIC CONDUCTIVITY



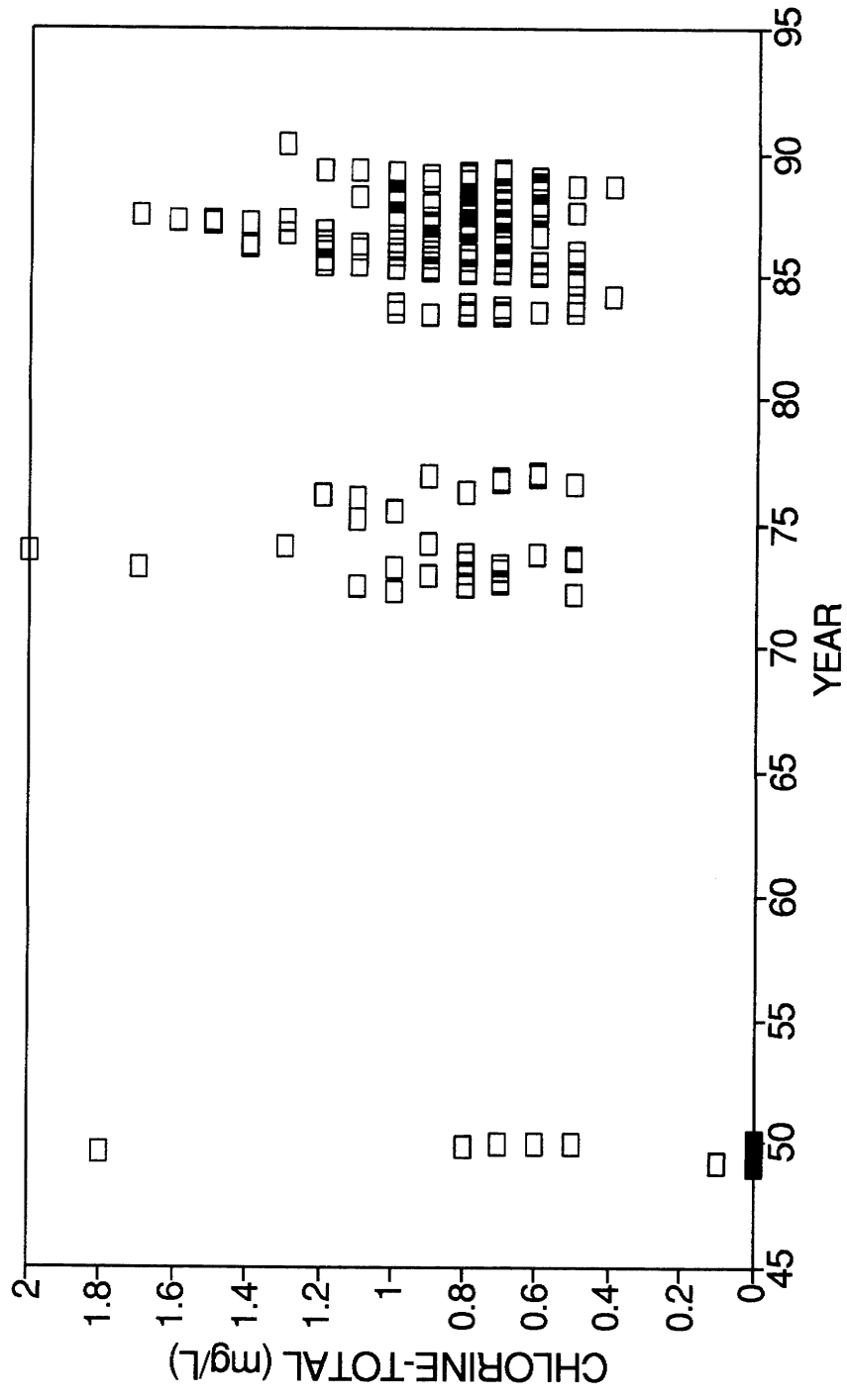
COLUMBIA RIVER

COLOR

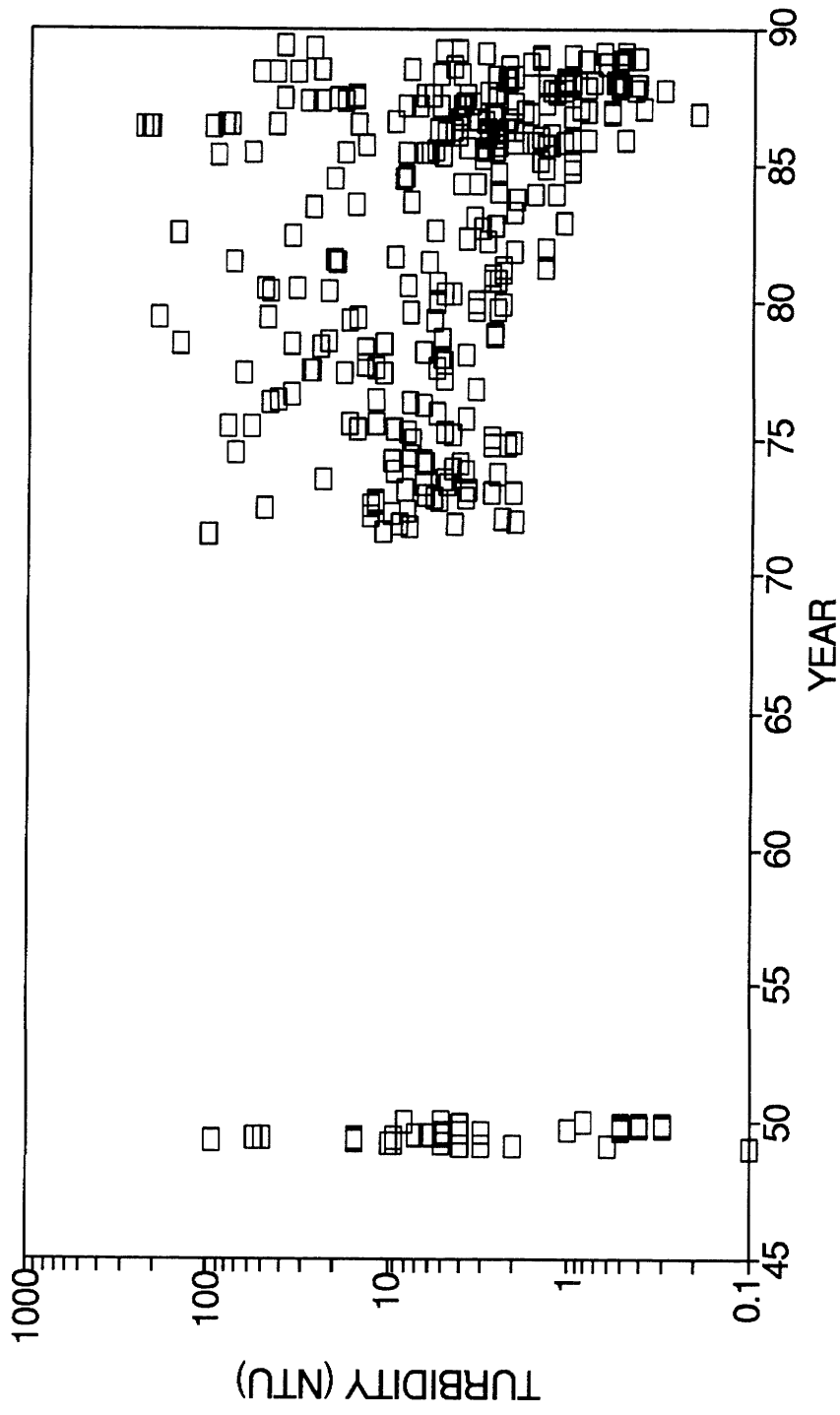


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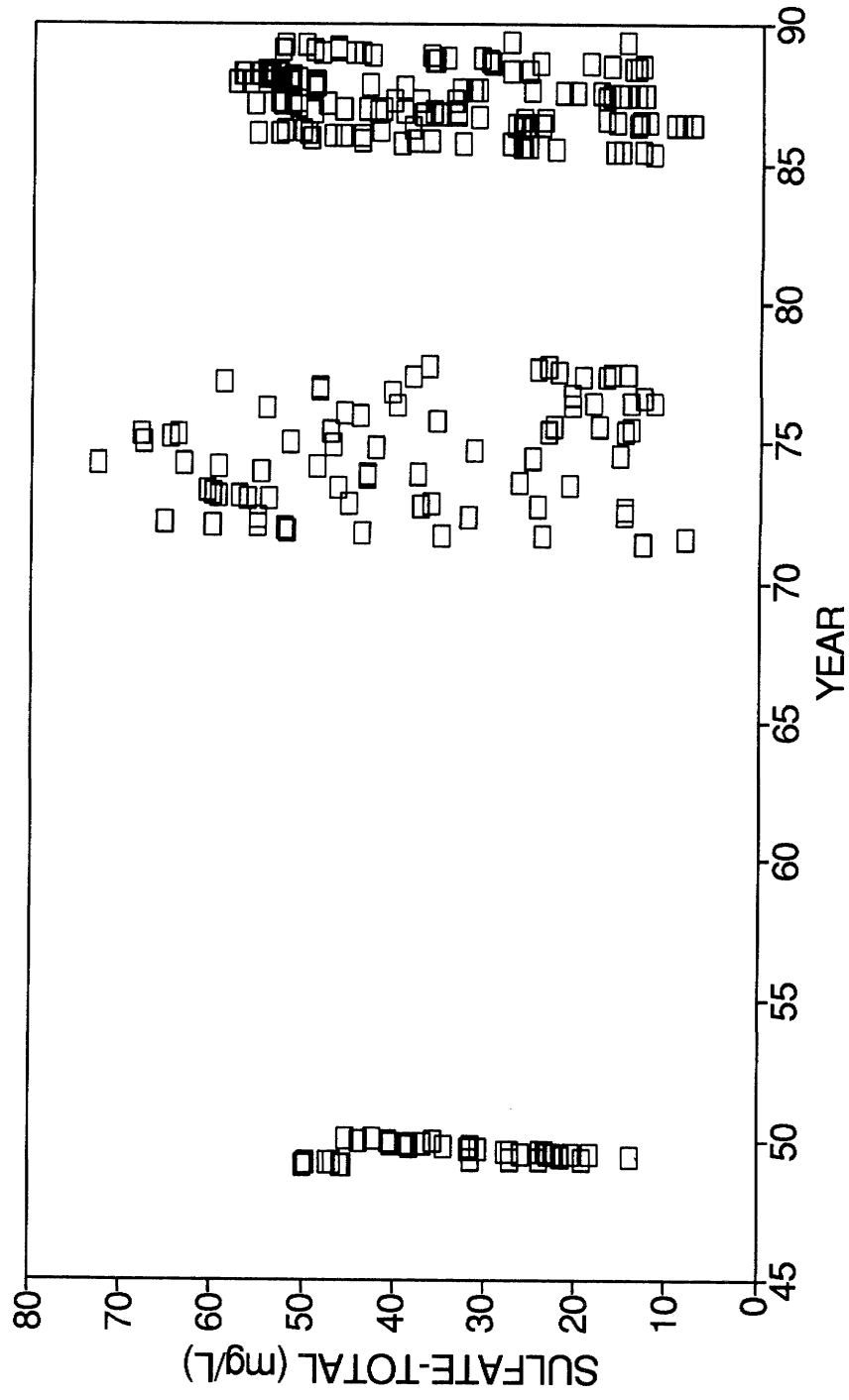
CHLORIDE CONCENTRATIONS



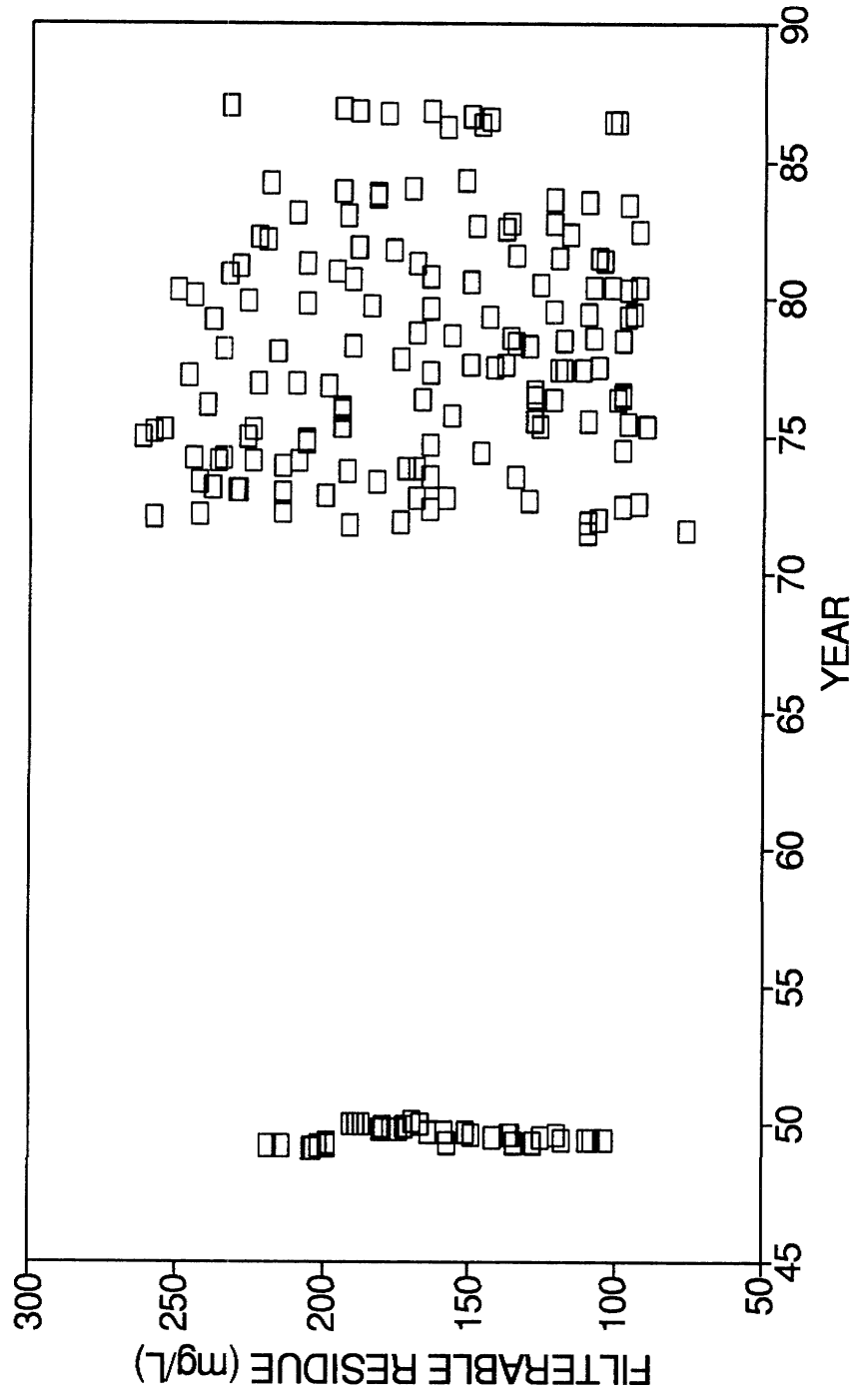
KOOTENAY RIVER TURBIDITY



KOOTENAY RIVER SULFATE CONCENTRATIONS

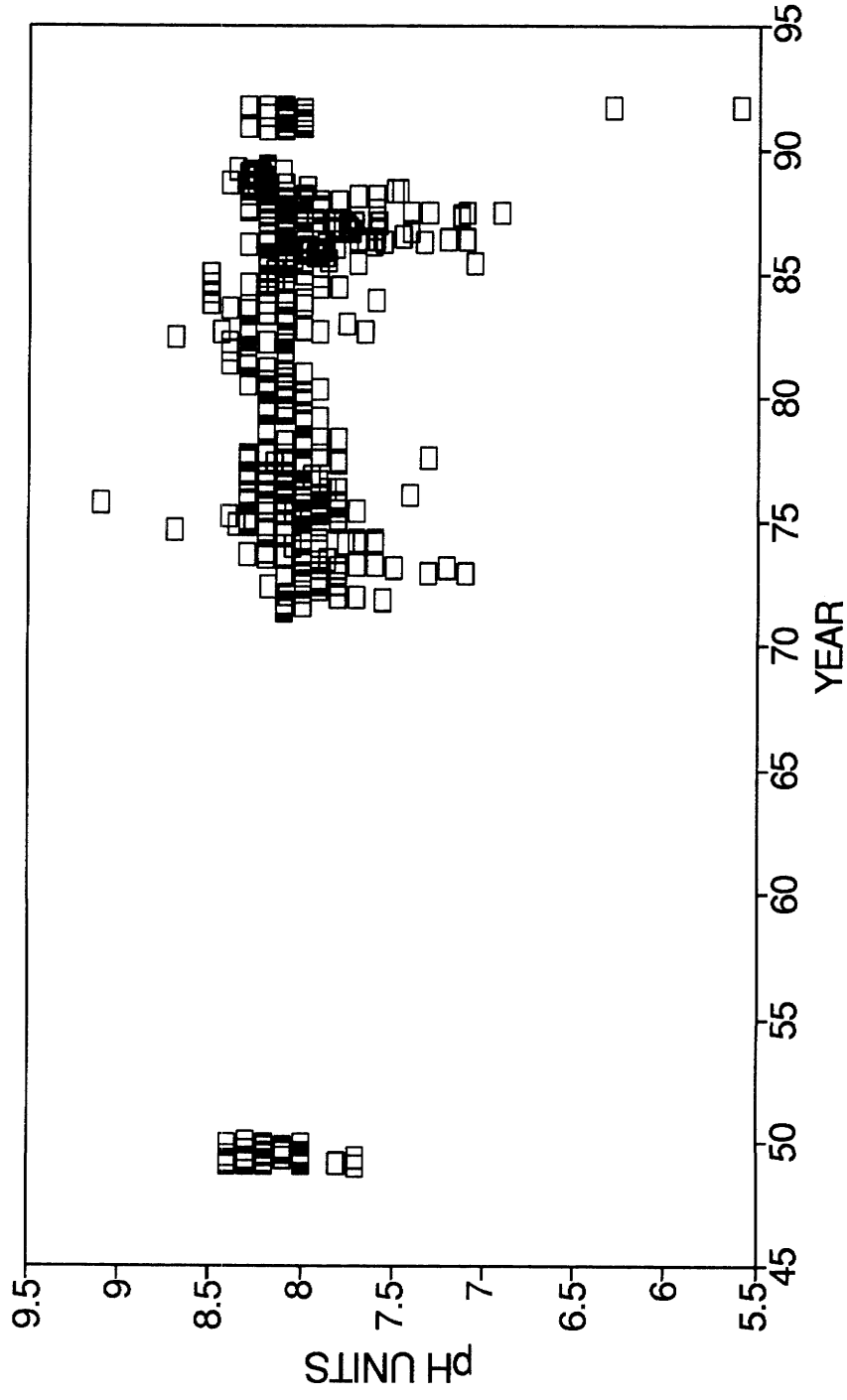


KOOTENAY RIVER RESIDUE

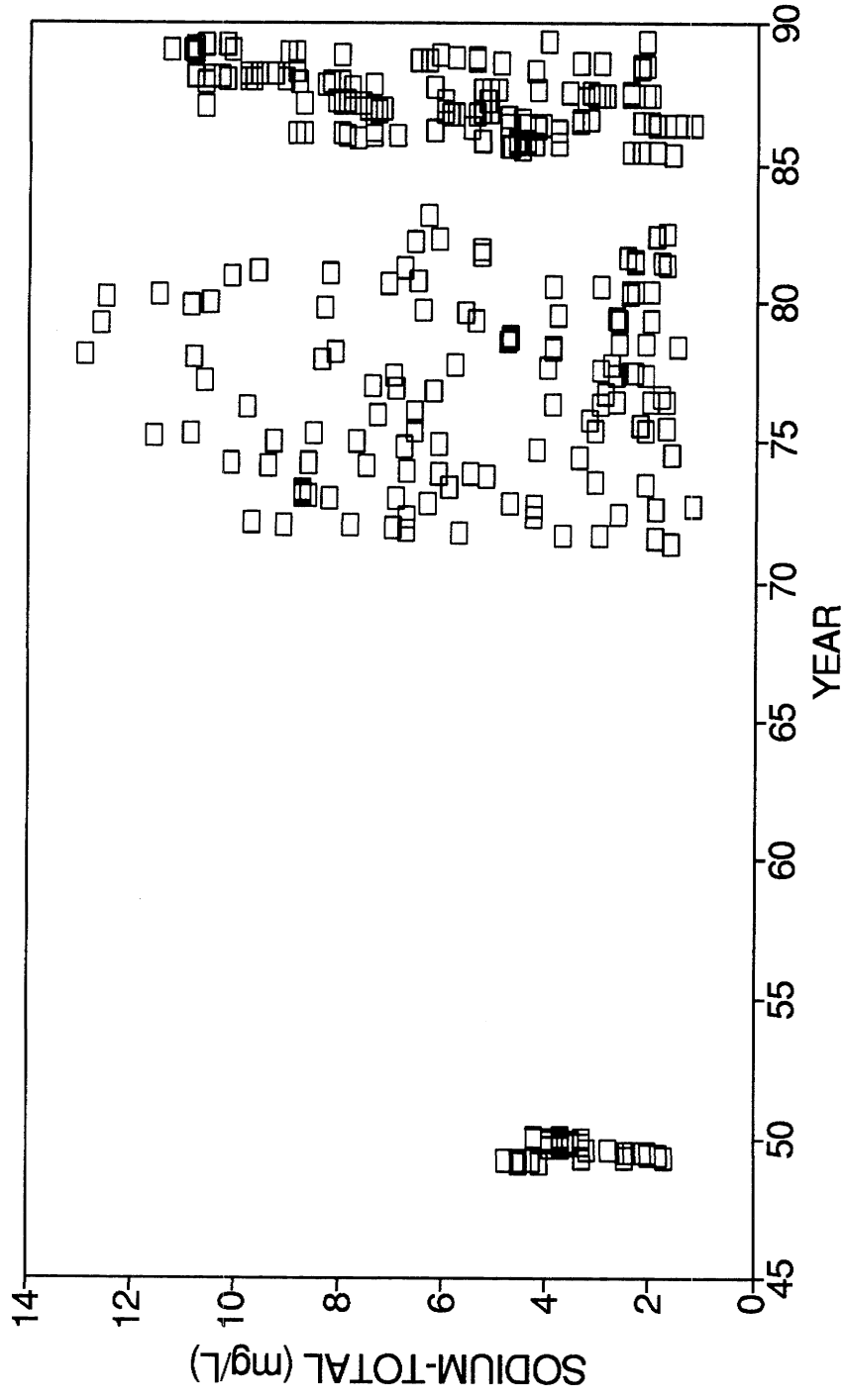


KOOTENAY RIVER

pH

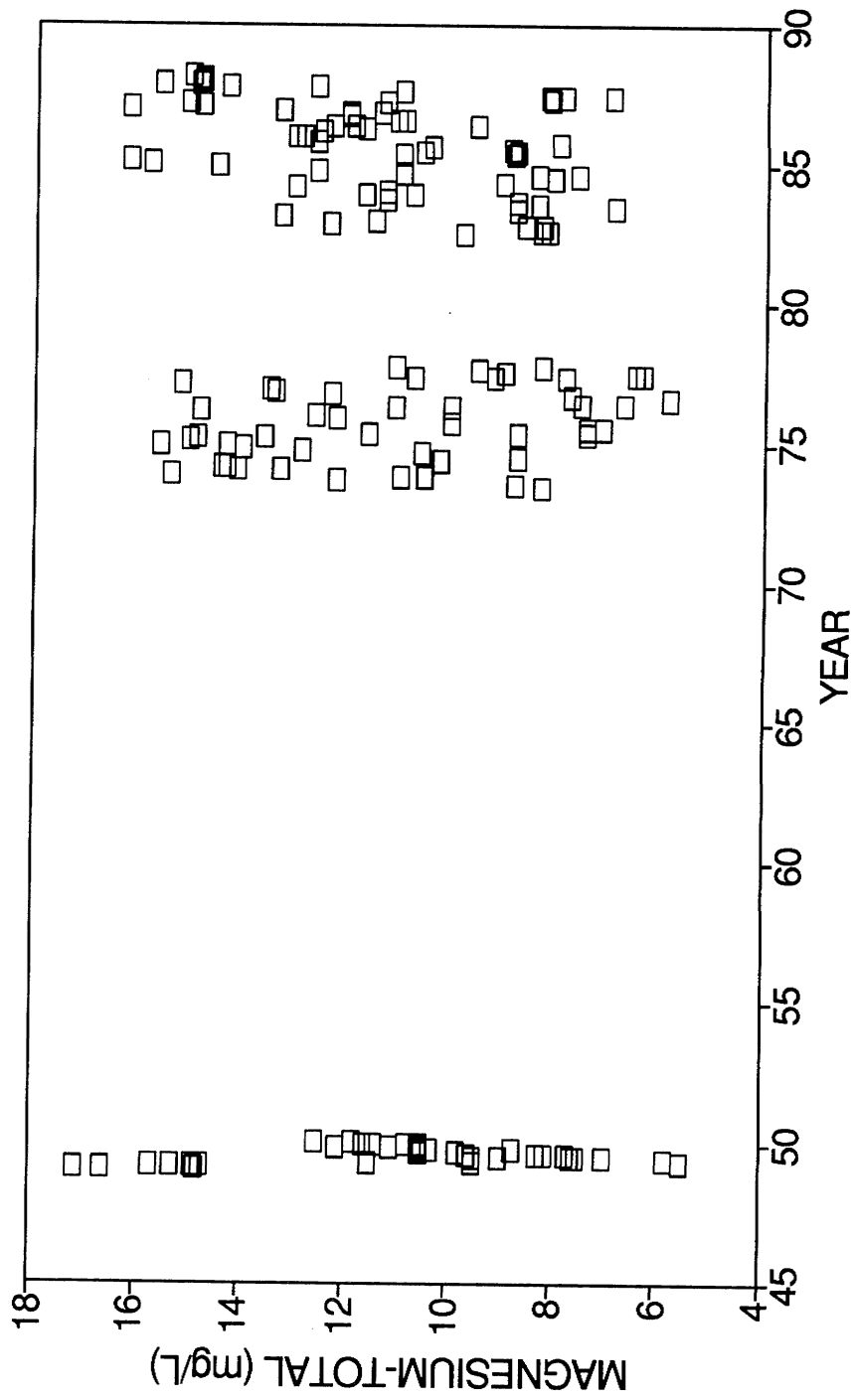


KOOTENAY RIVER SODIUM CONCENTRATIONS



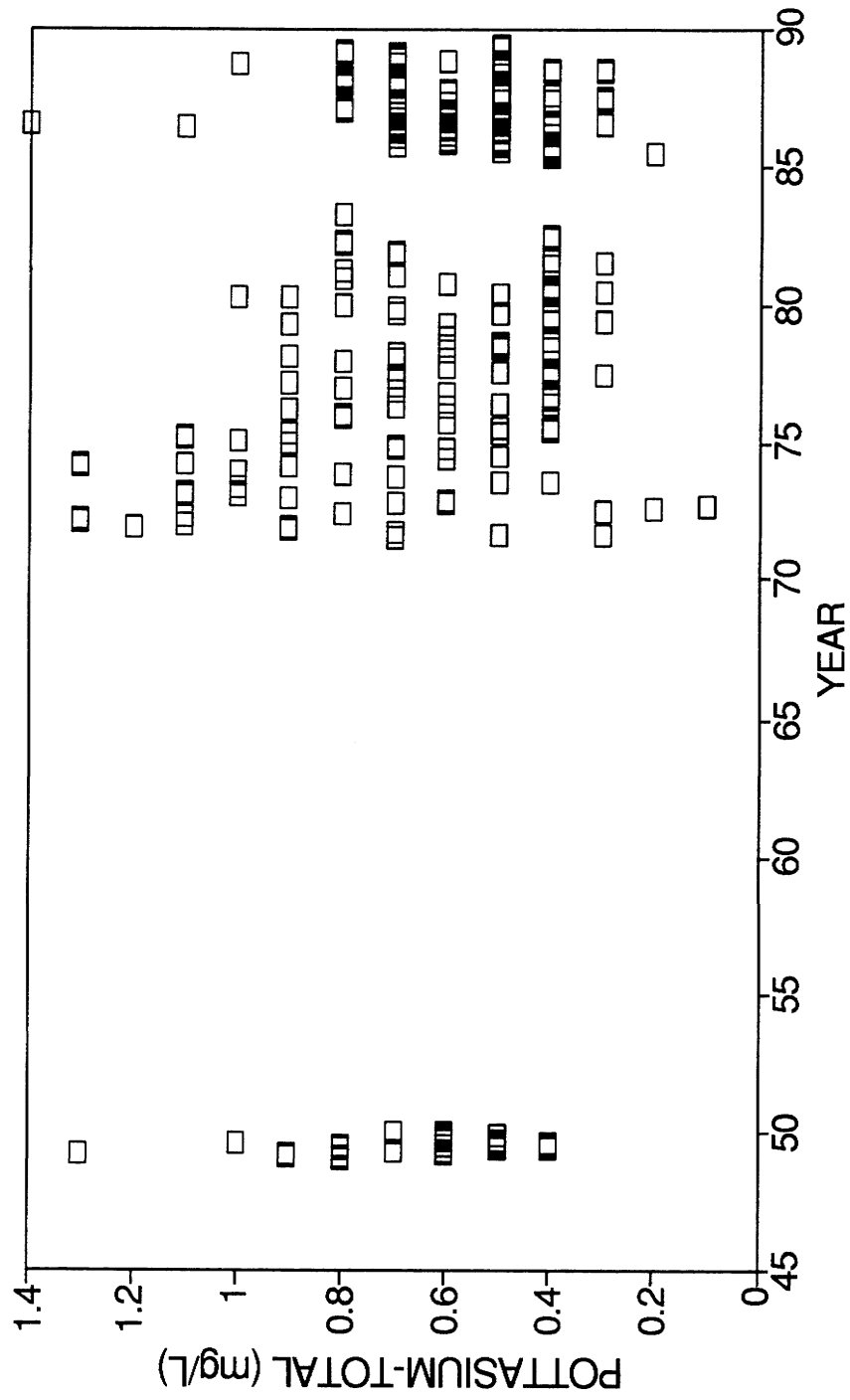
KOOTENAY RIVER

MAGNESIUM CONCENTRATIONS



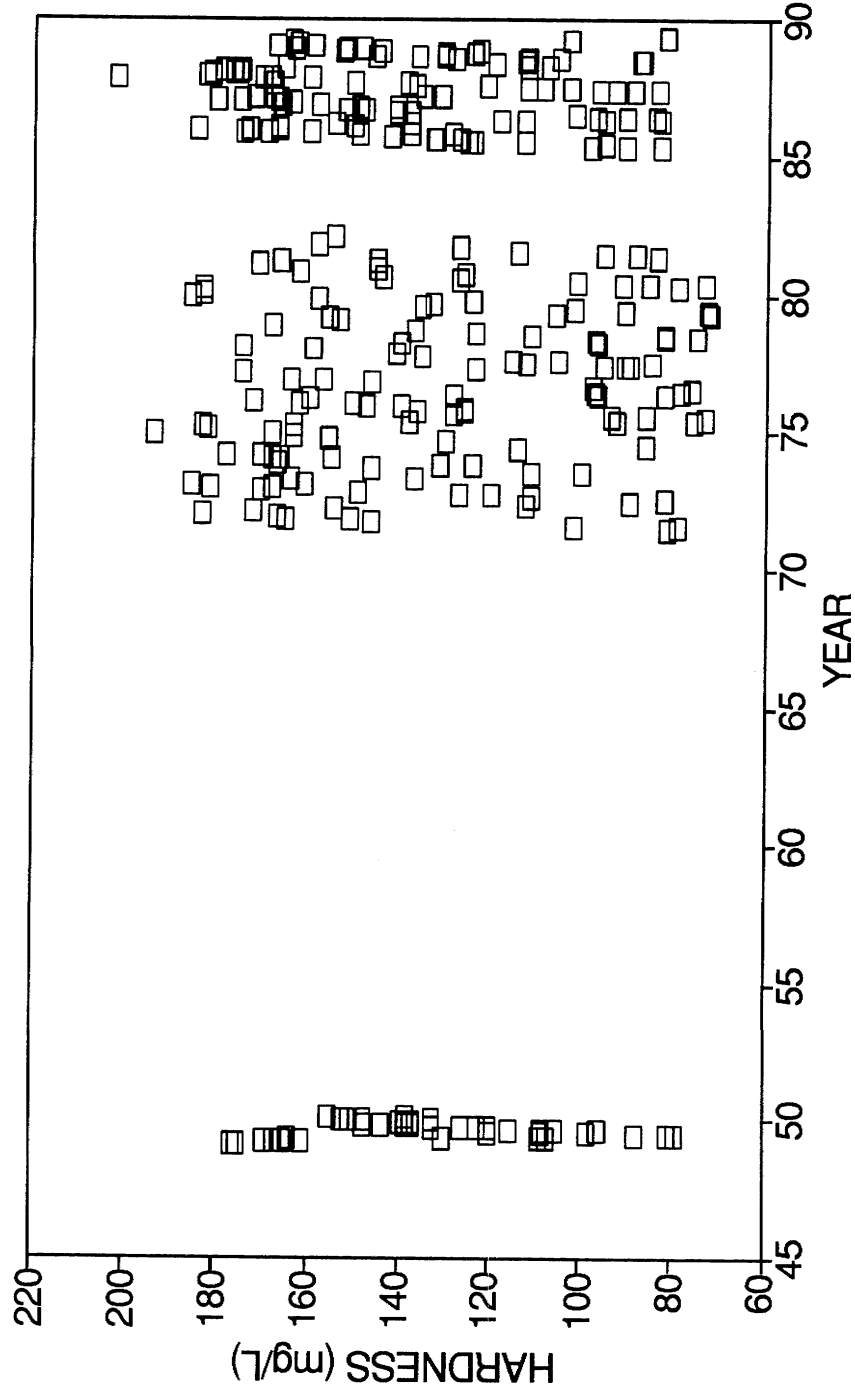
KOOTENAY RIVER

POTASSIUM CONCENTRATIONS

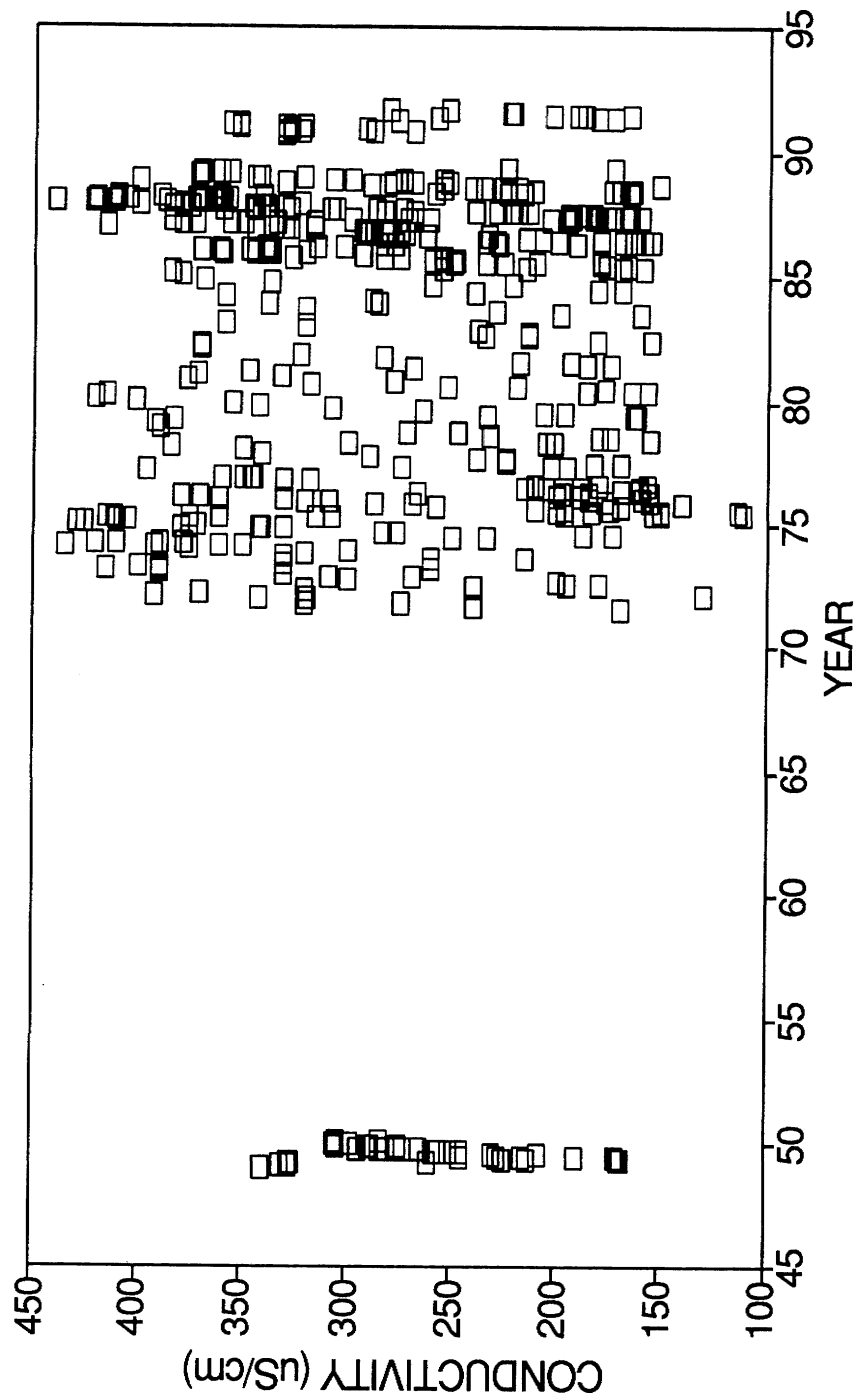


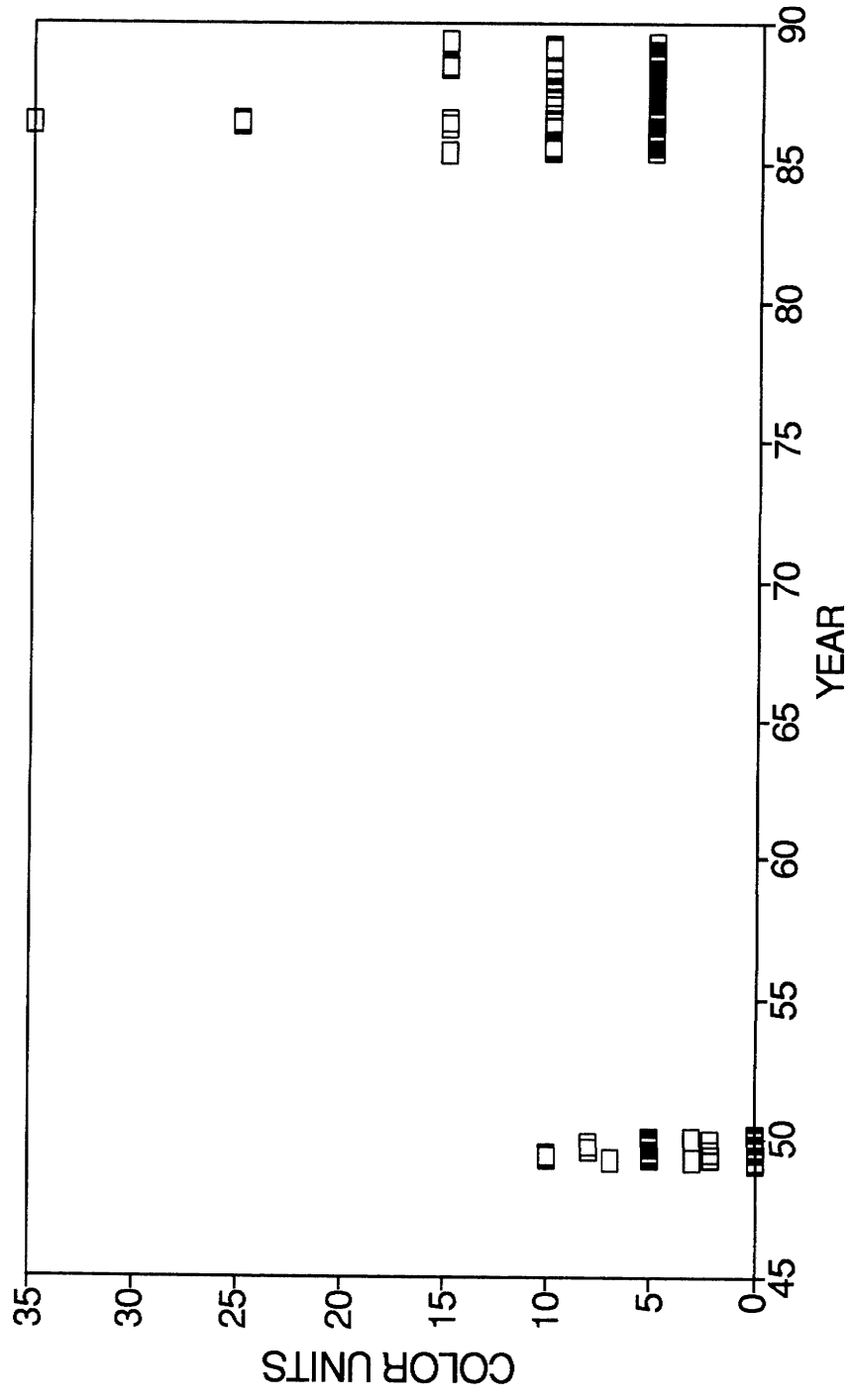
KOOTENAY RIVER

HARDNESS

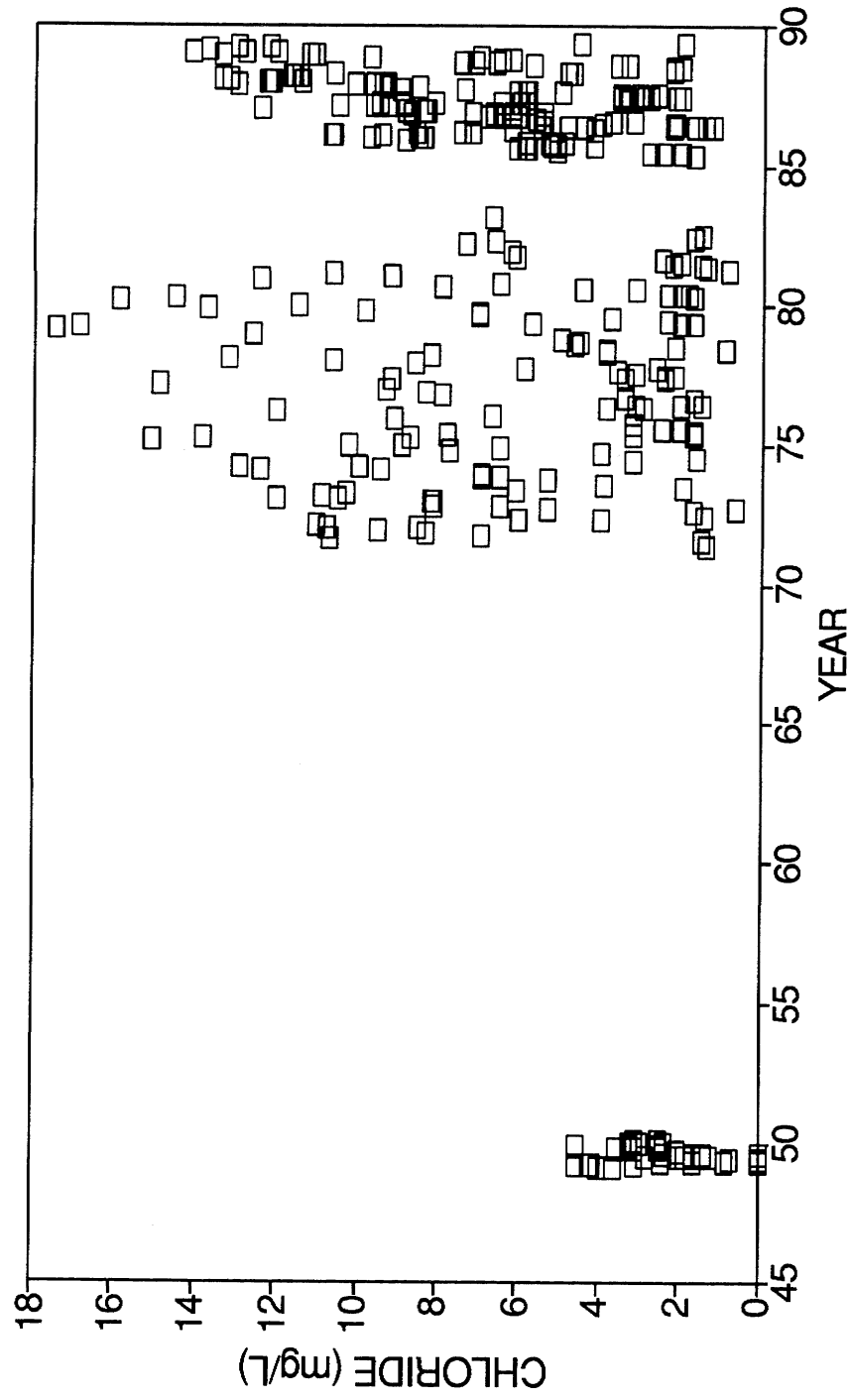


KOOTENAY RIVER SPECIFIC CONDUCTIVITY

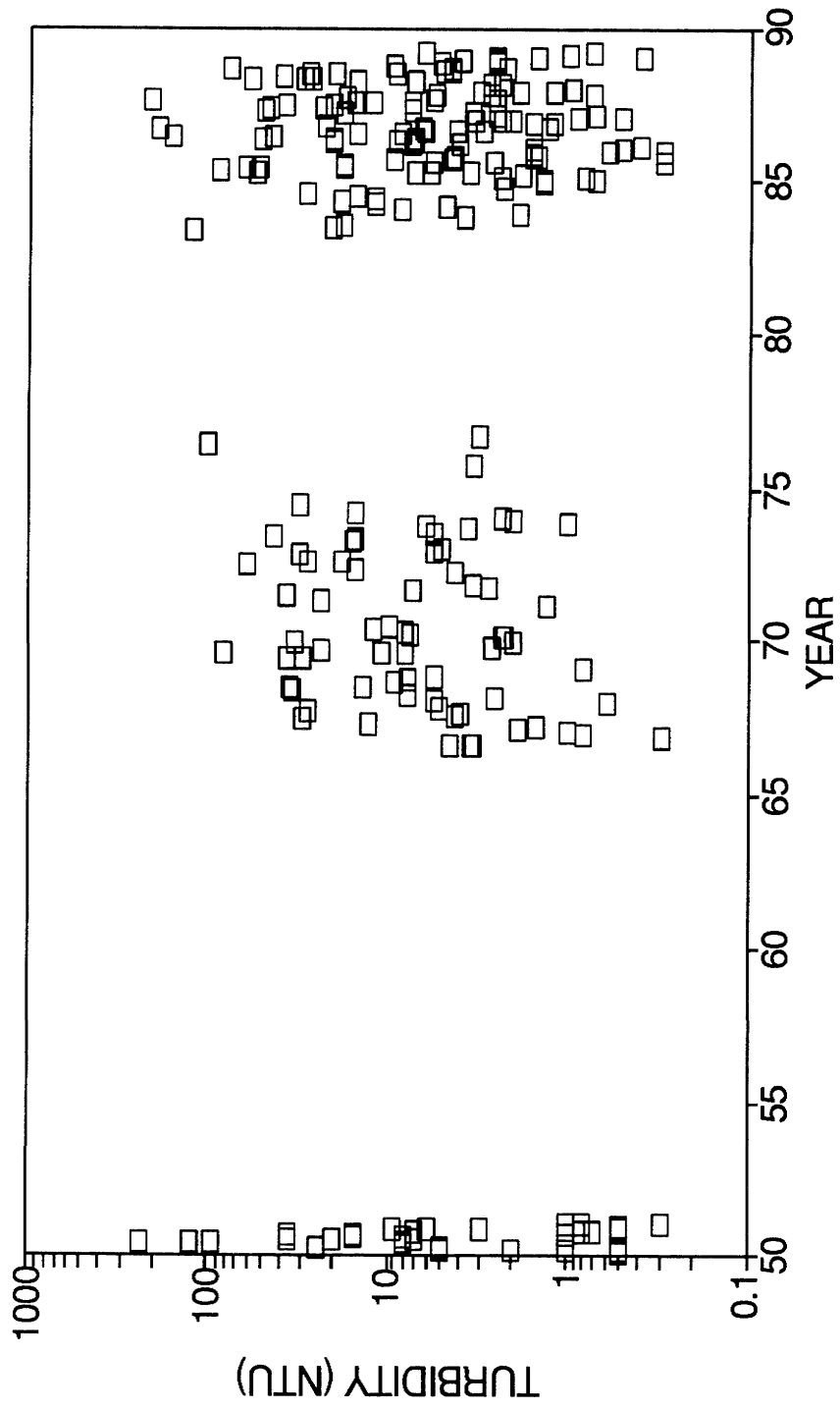


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KOOTENAY RIVER CHLORIDE CONCENTRATION

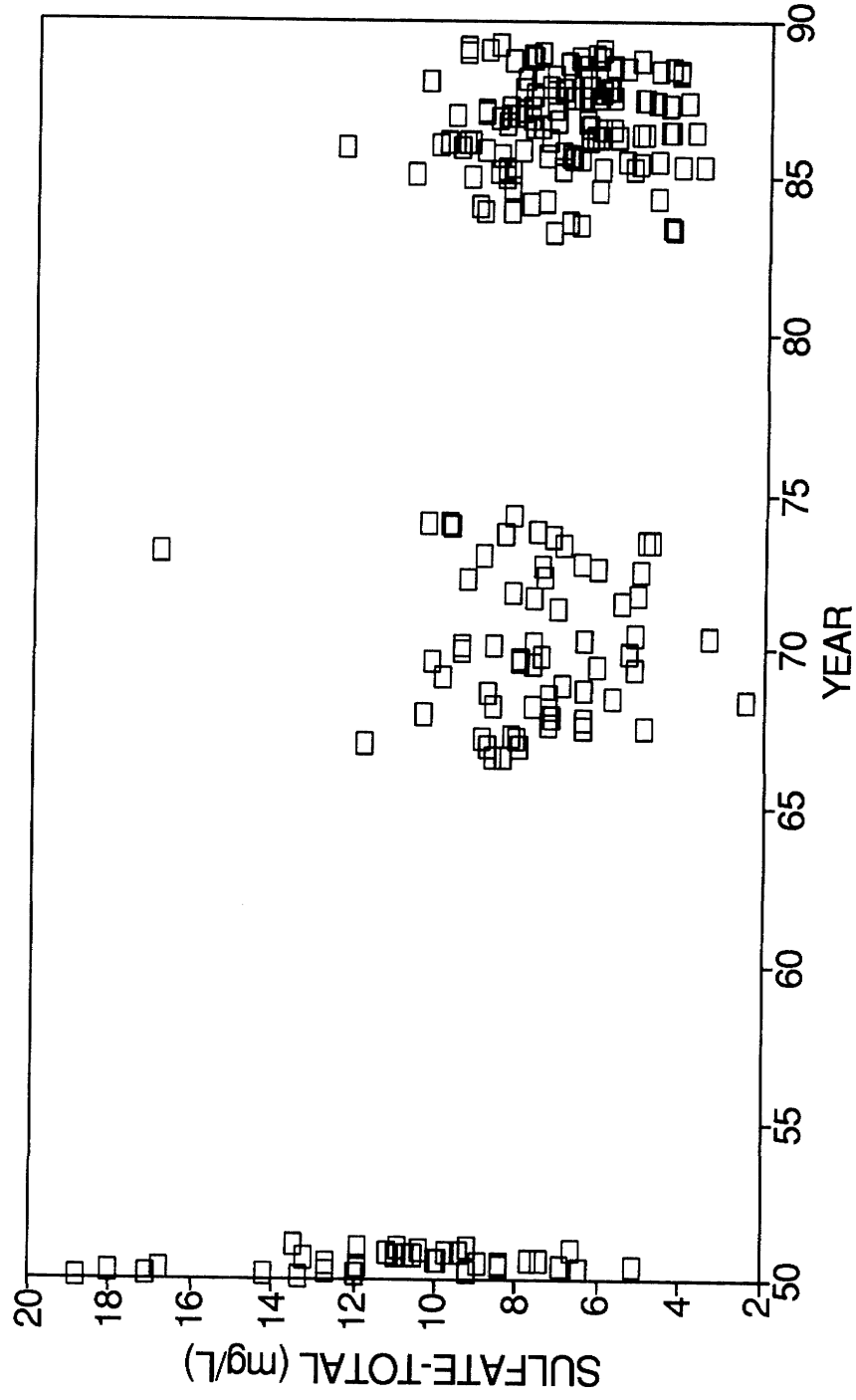


SKEENA RIVER TURBIDITY

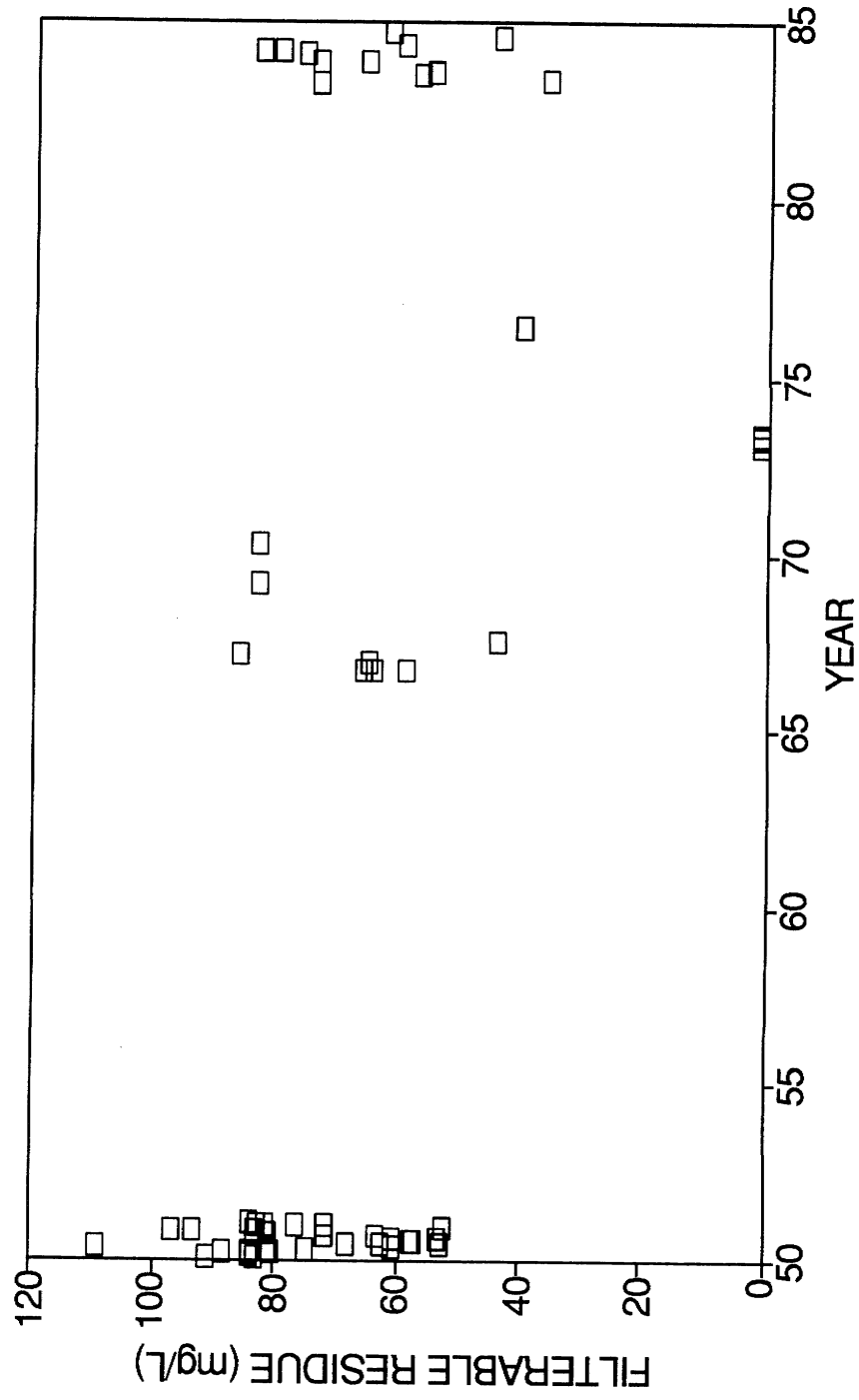


SKEENA RIVER

SULFATE CONCENTRATIONS

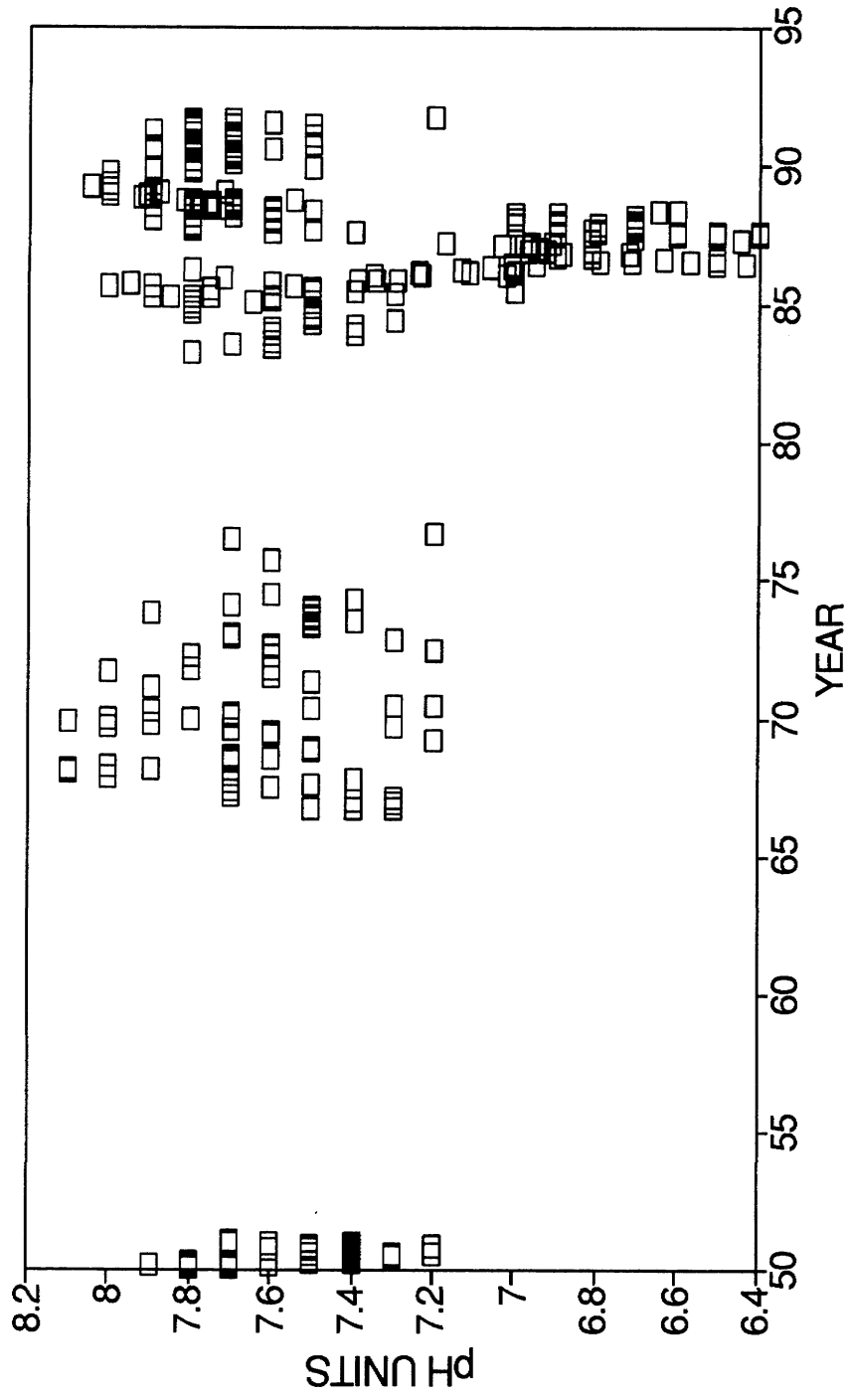


SKEENA RIVER RESIDUE

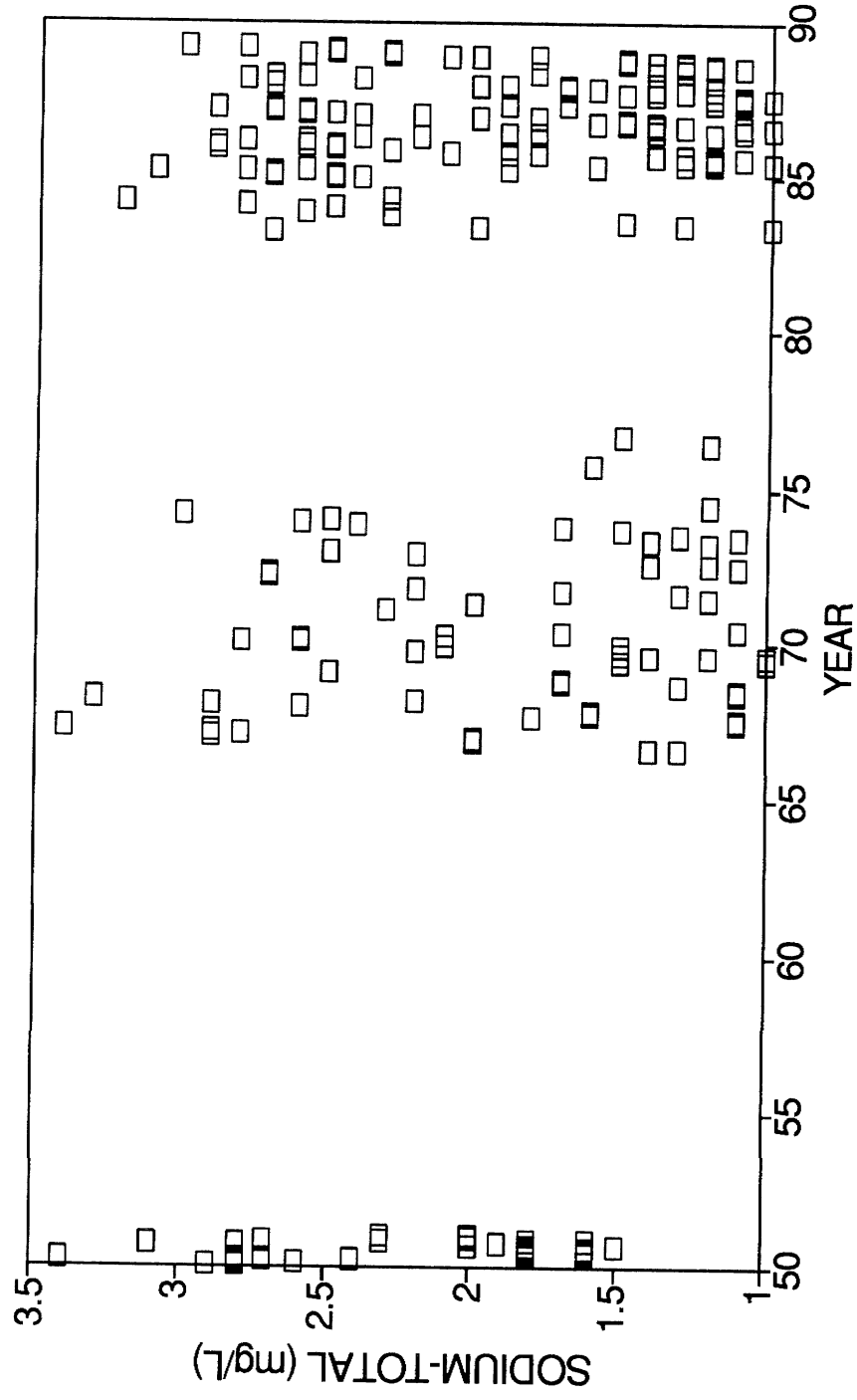


SKEENA RIVER

pH

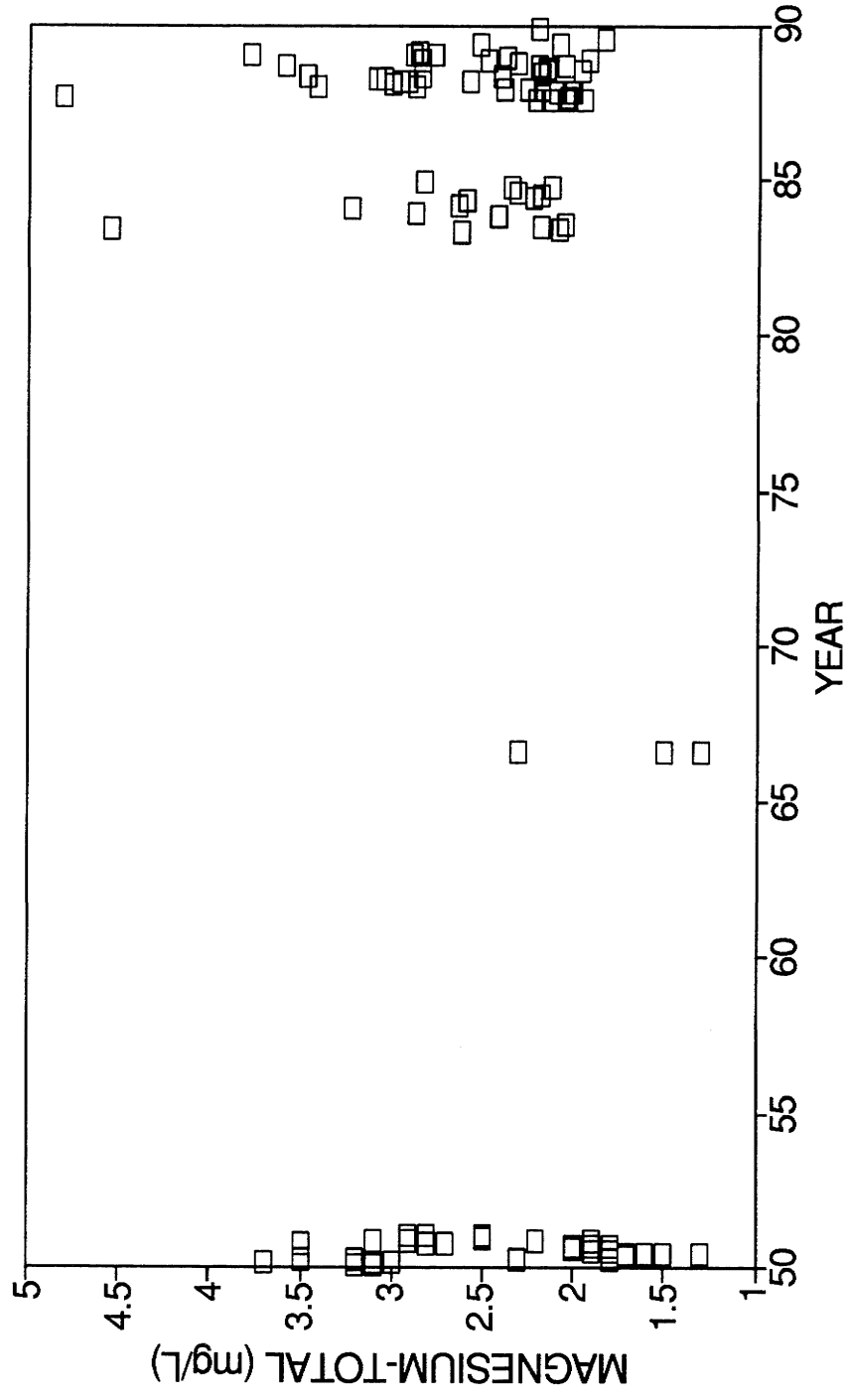


SKEENA RIVER SODIUM CONCENTRATIONS



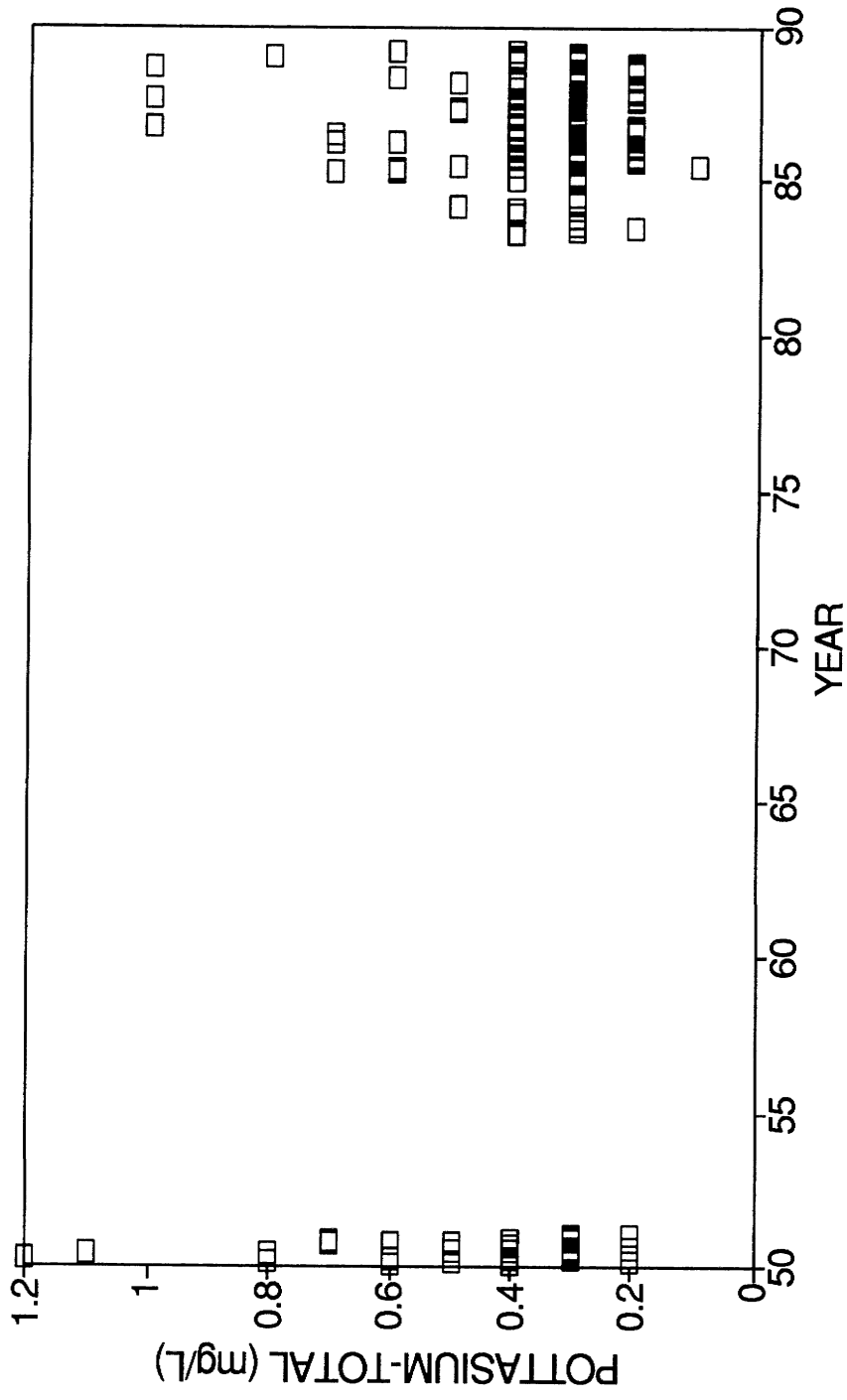
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MAGNESIUM CONCENTRATIONS



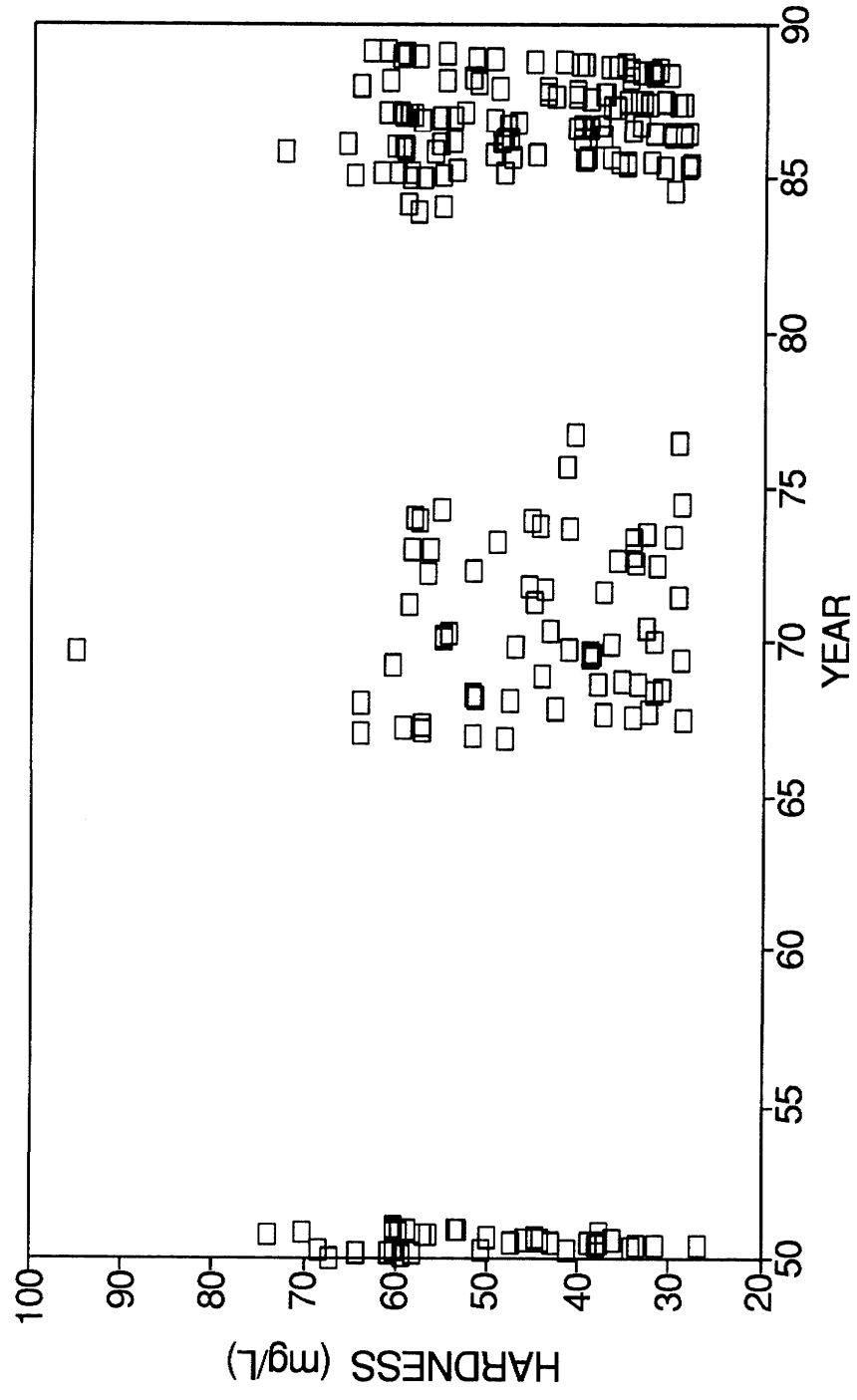
SKEENA RIVER

POTASSIUM CONCENTRATIONS

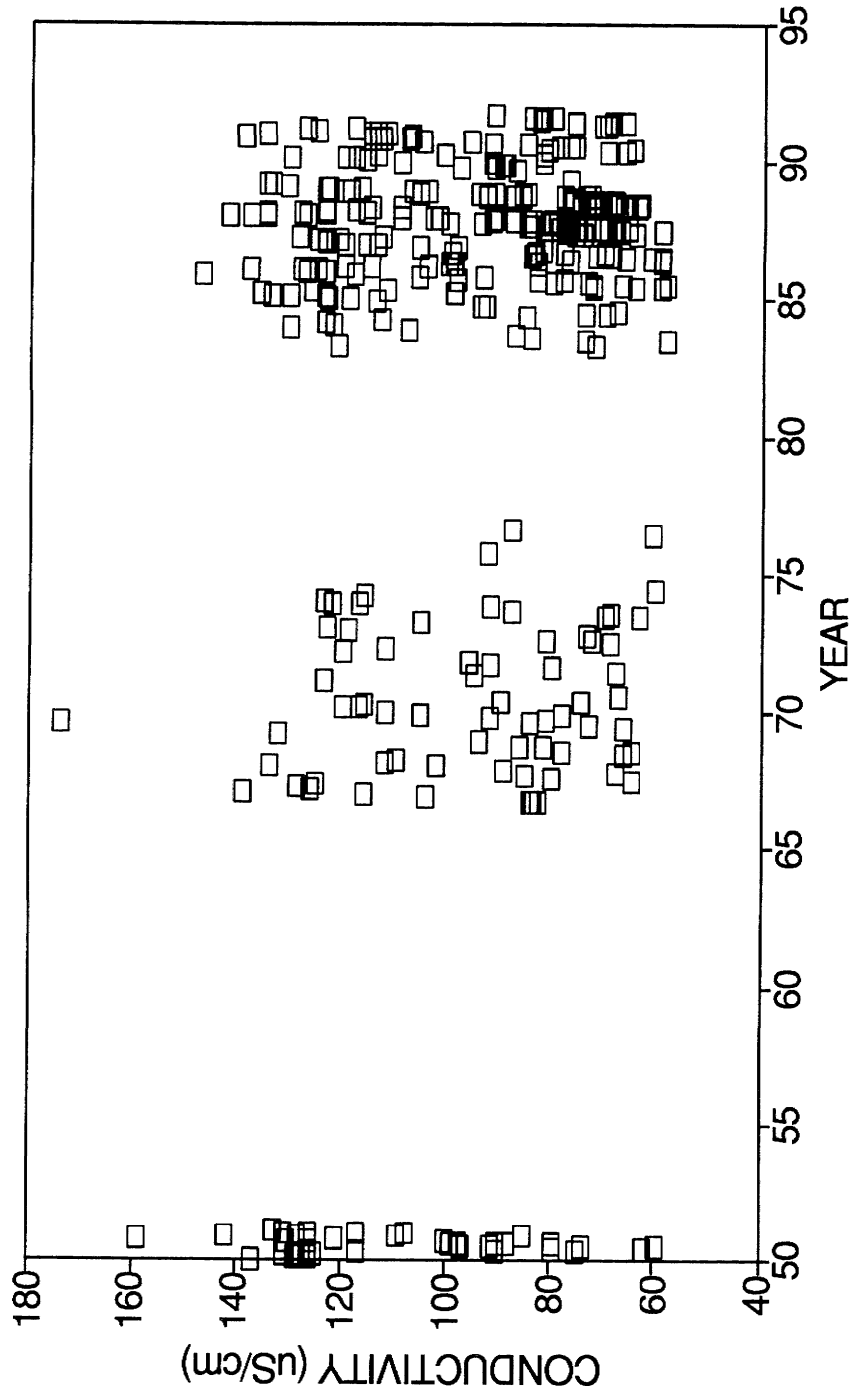


SKEENA RIVER

HARDNESS

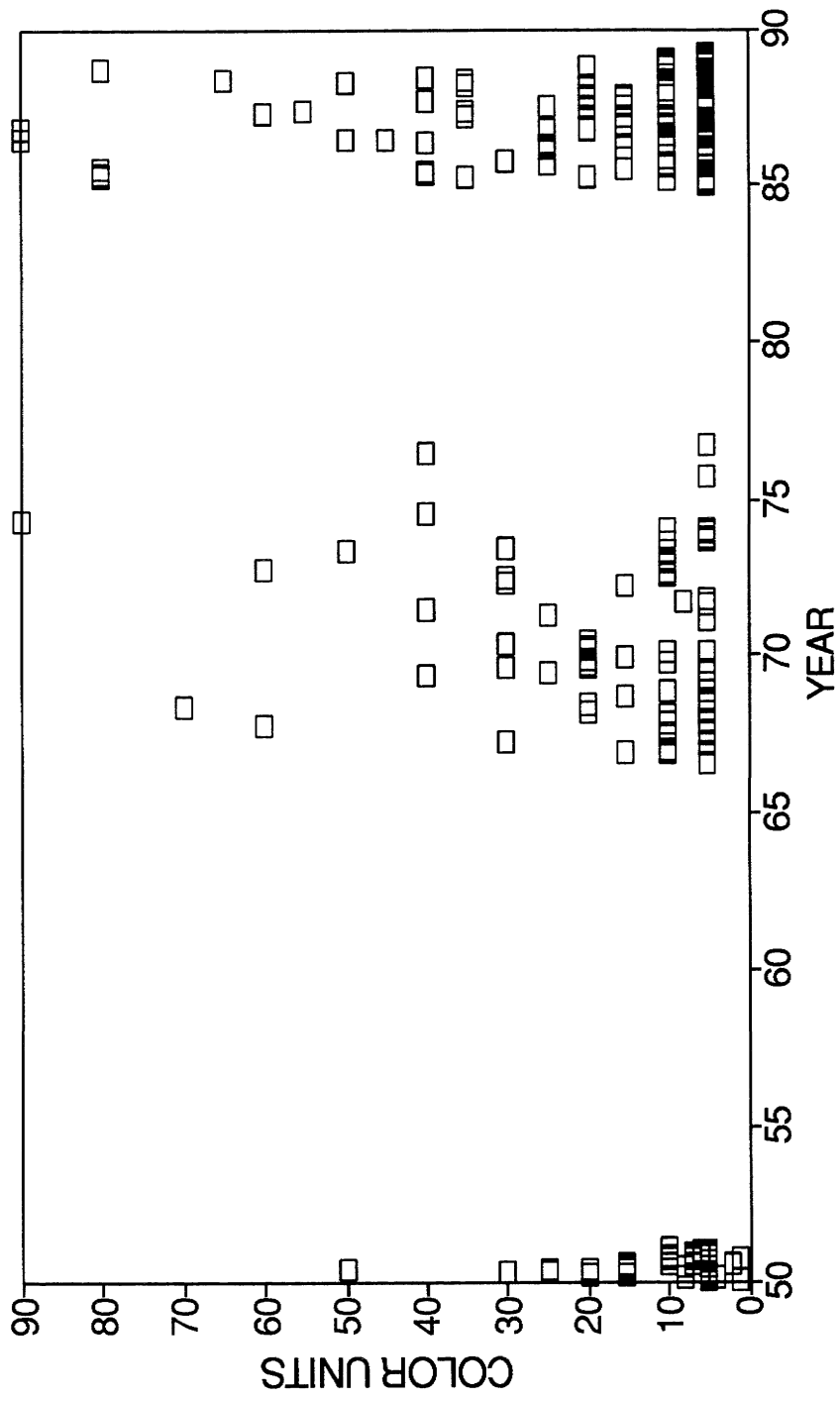


SKEENA RIVER SPECIFIC CONDUCTIVITY

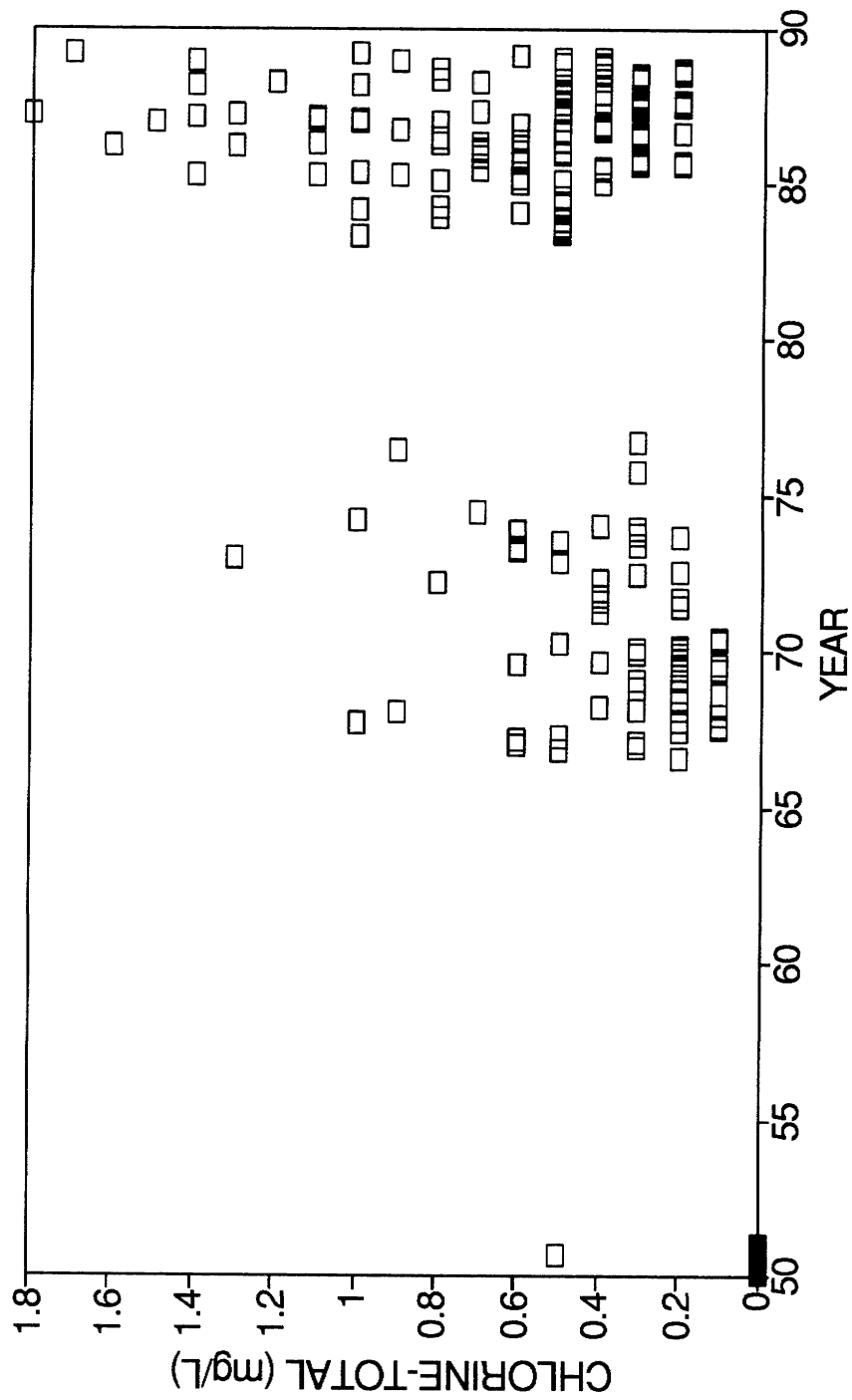


SKEENA RIVER

COLOR



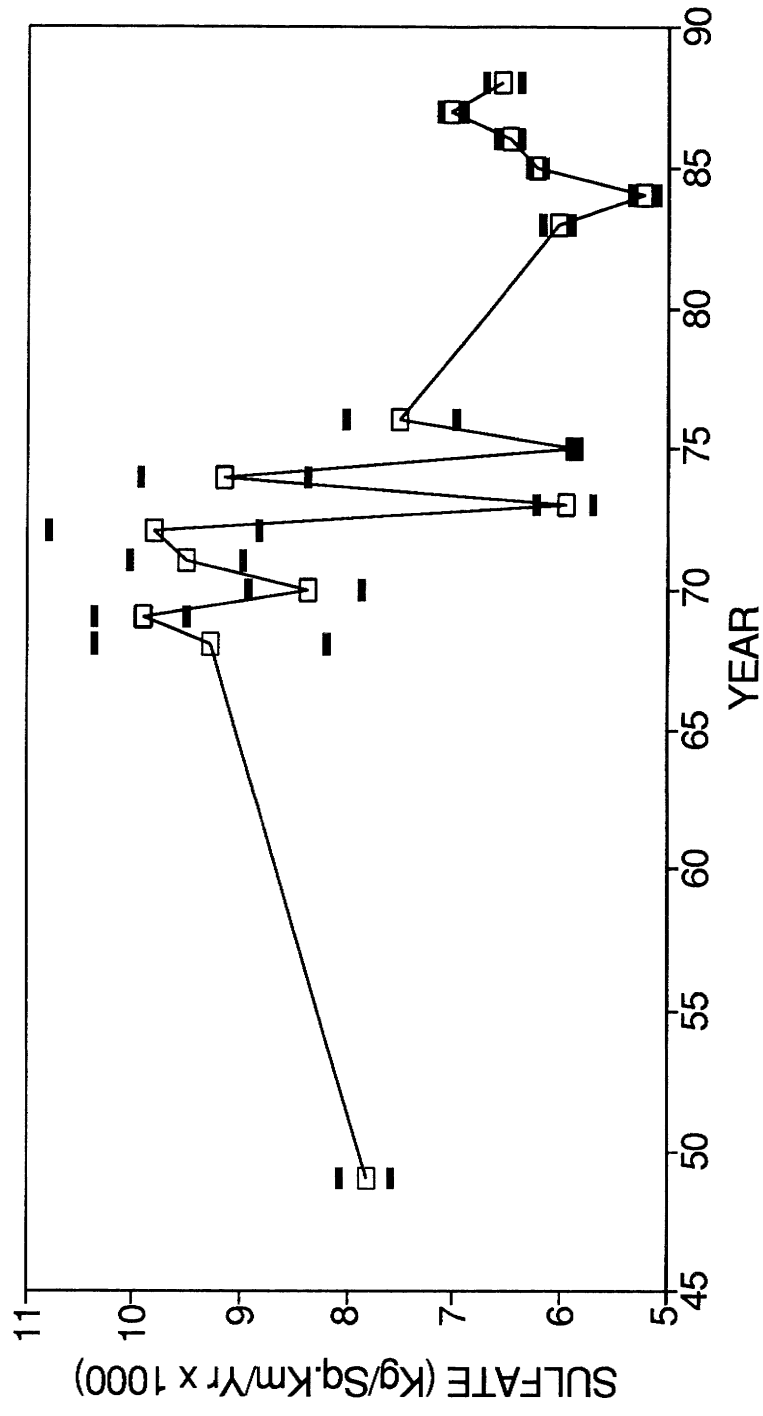
SKEENA RIVER CHLORIDE CONCENTRATIONS



SECTION II

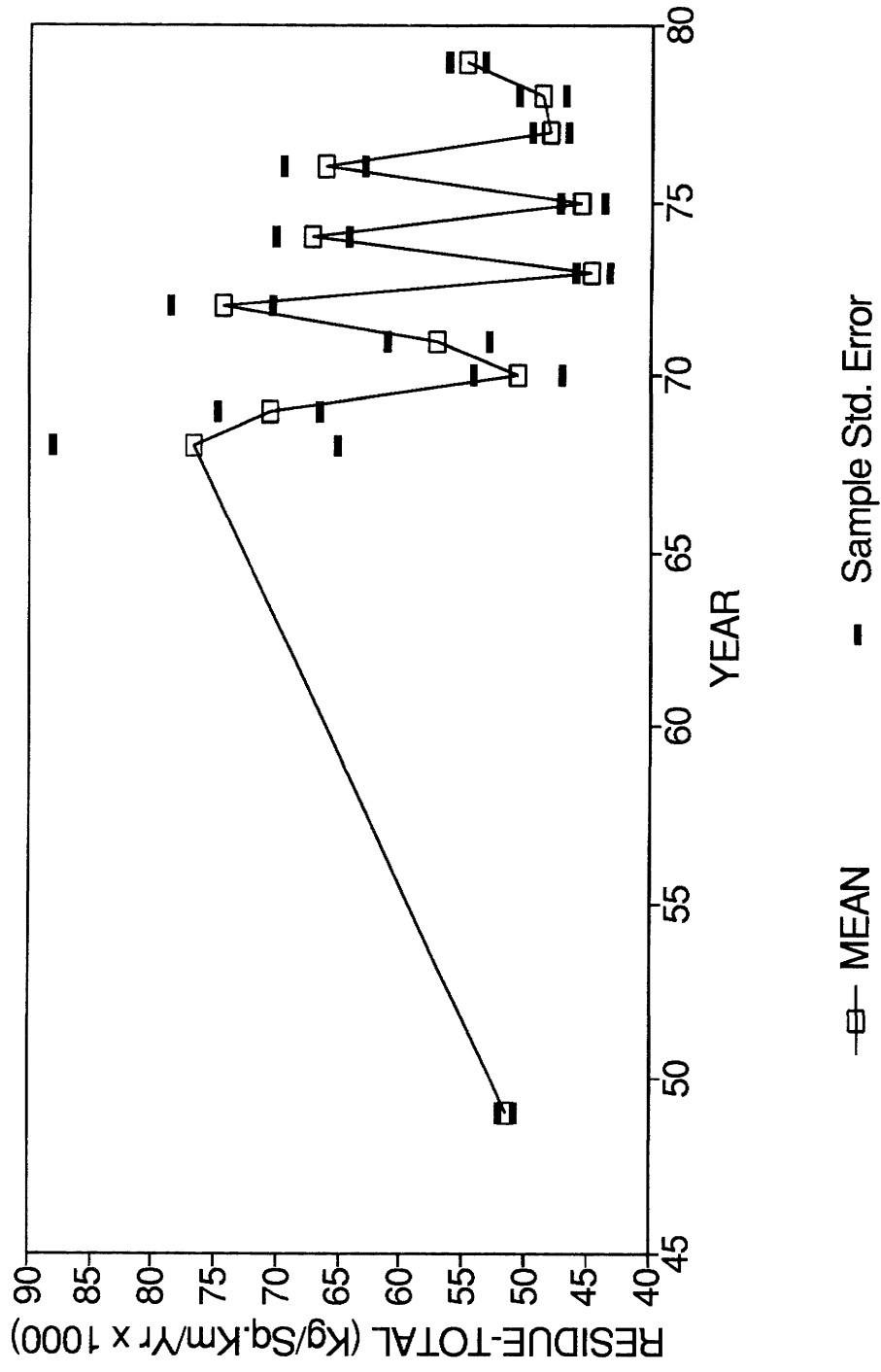
TIME-SERIES GRAPHS OF EXPORT COEFFICIENTS

COLUMBIA RIVER EXPORT COEFFICIENTS: Sulfate

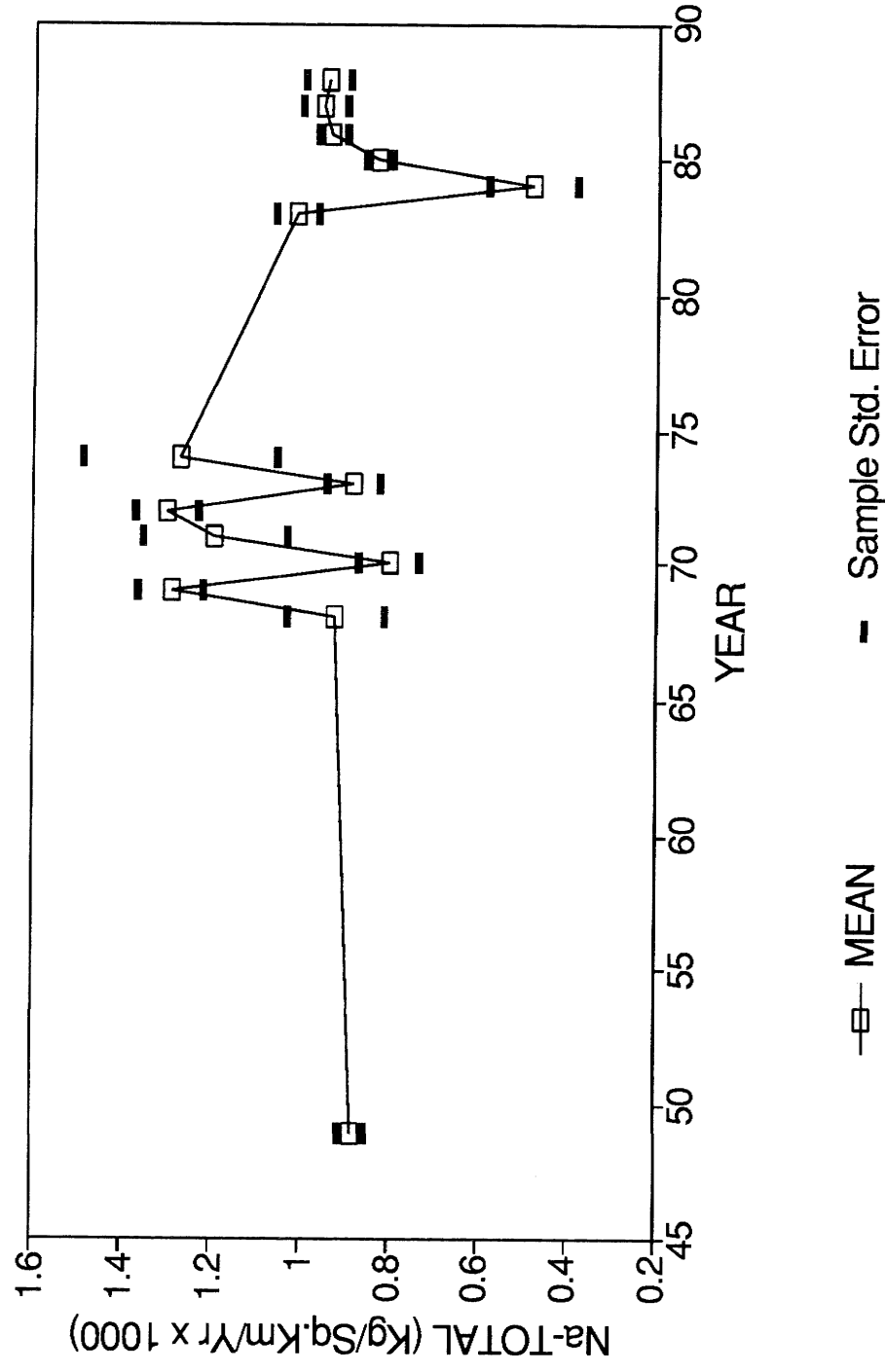


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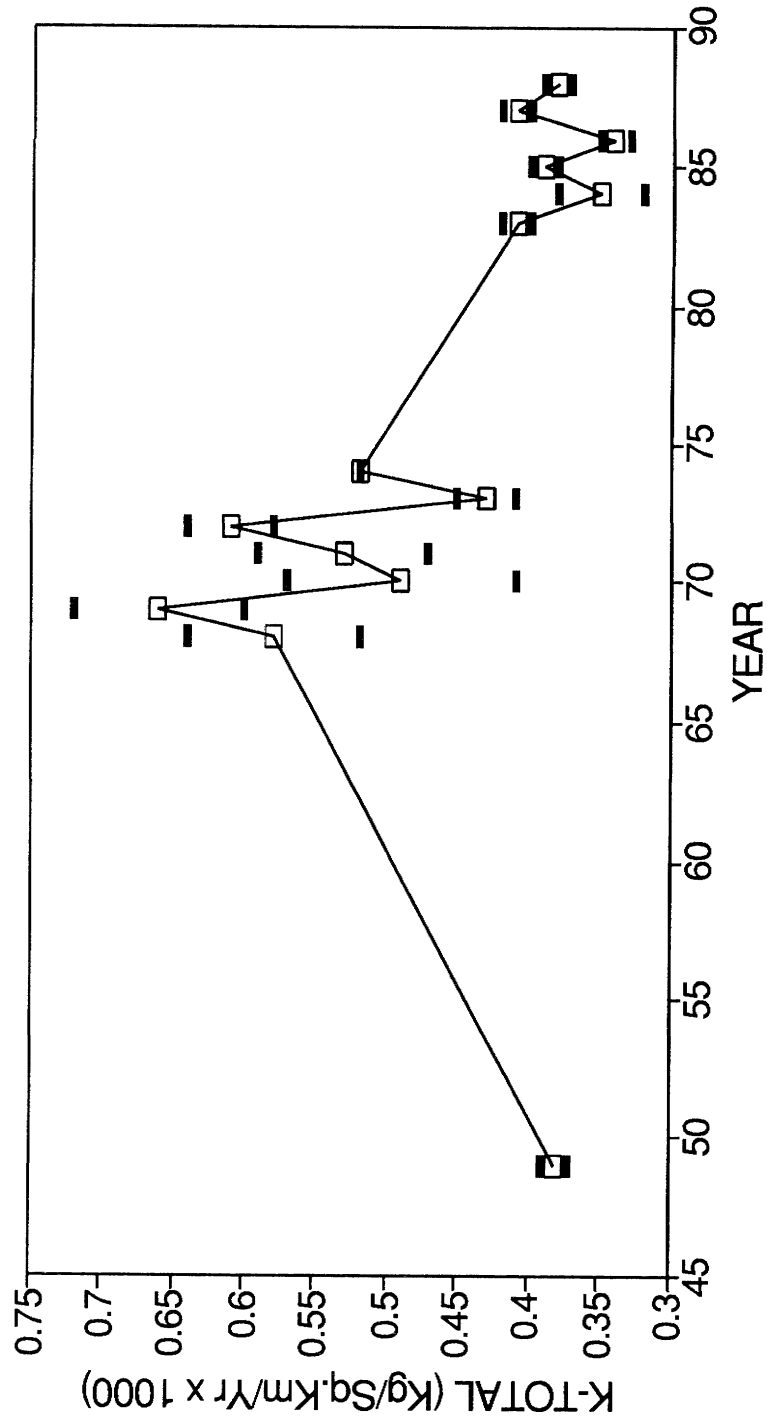
COLUMBIA RIVER EXPORT COEFFICIENTS: Total Residue



COLUMBIA RIVER EXPORT COEFFICIENTS: Sodium

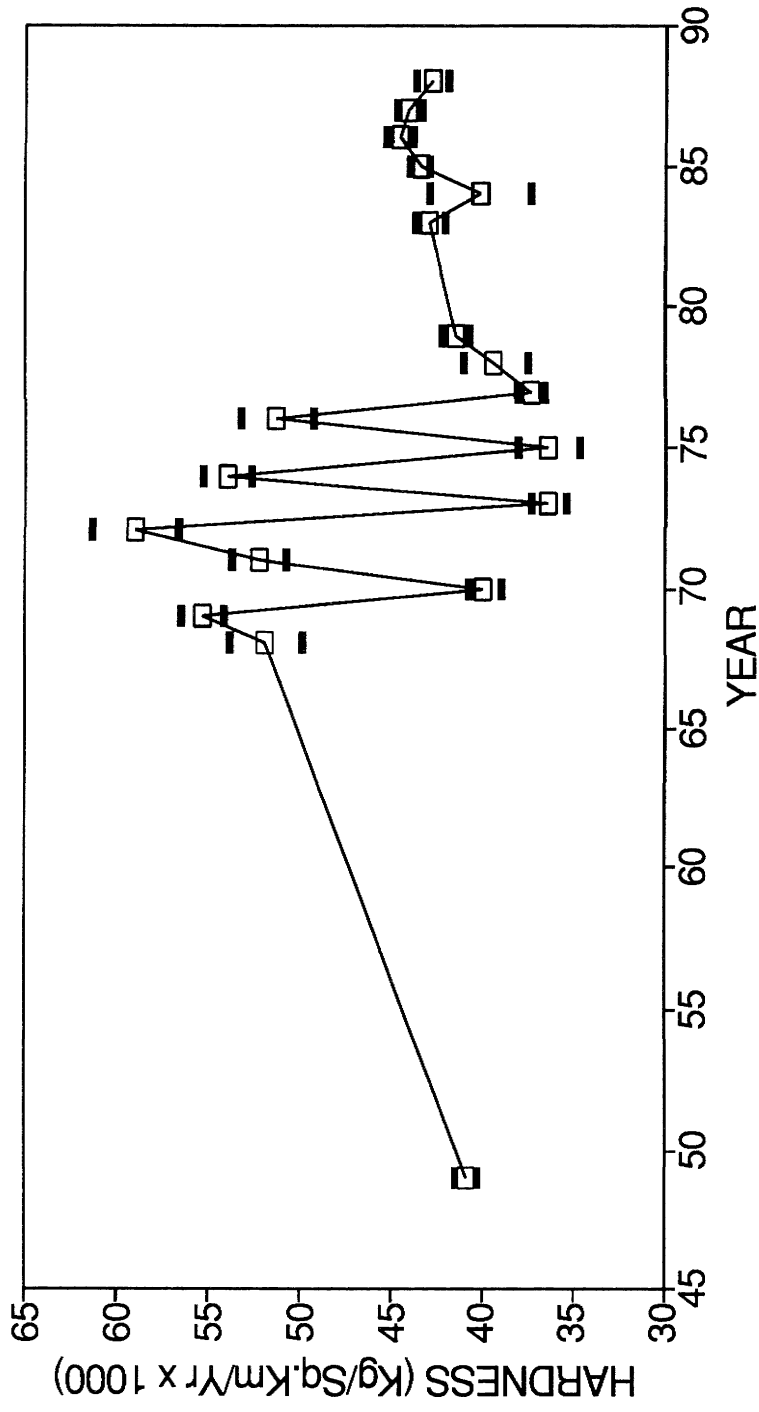


COLUMBIA RIVER EXPORT COEFFICIENTS: Potassium



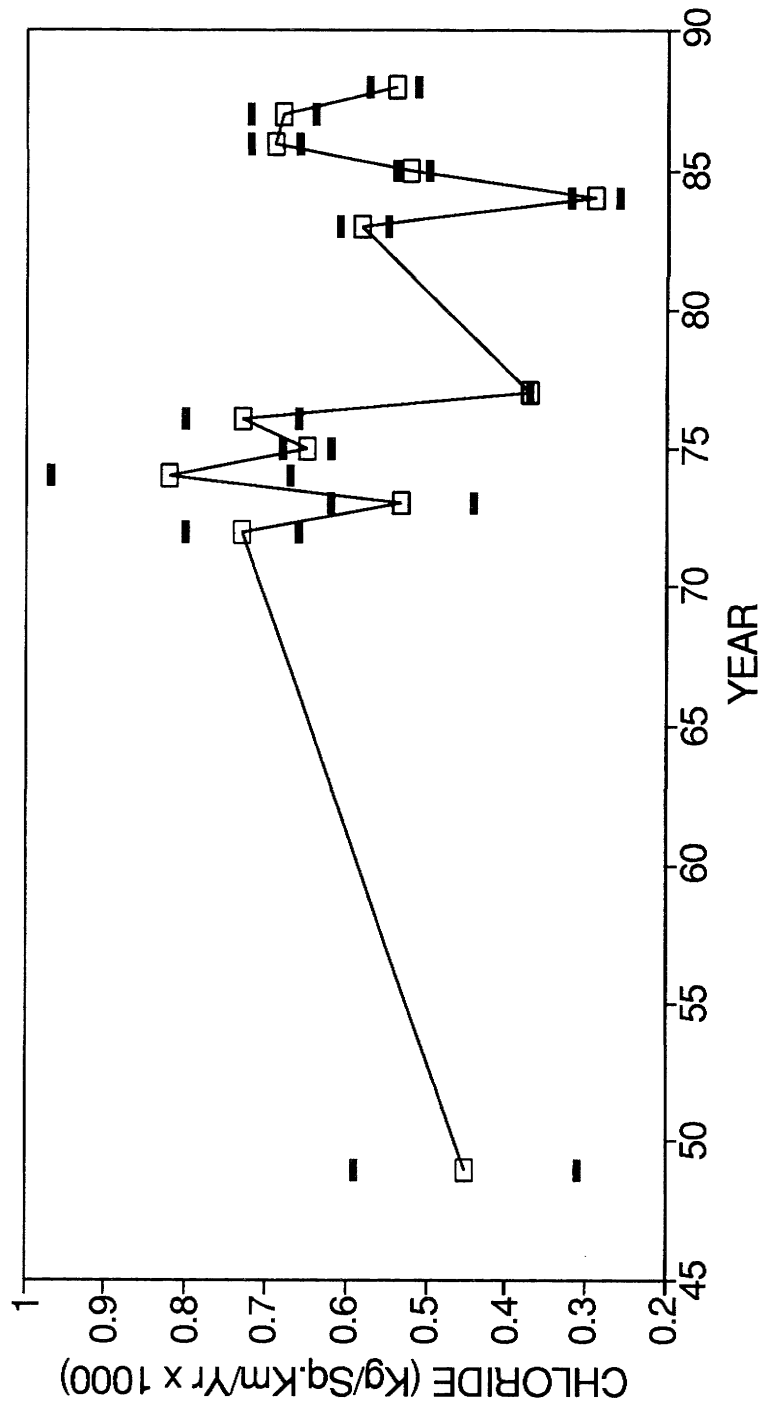
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COLUMBIA RIVER EXPORT COEFFICIENTS: Hardness



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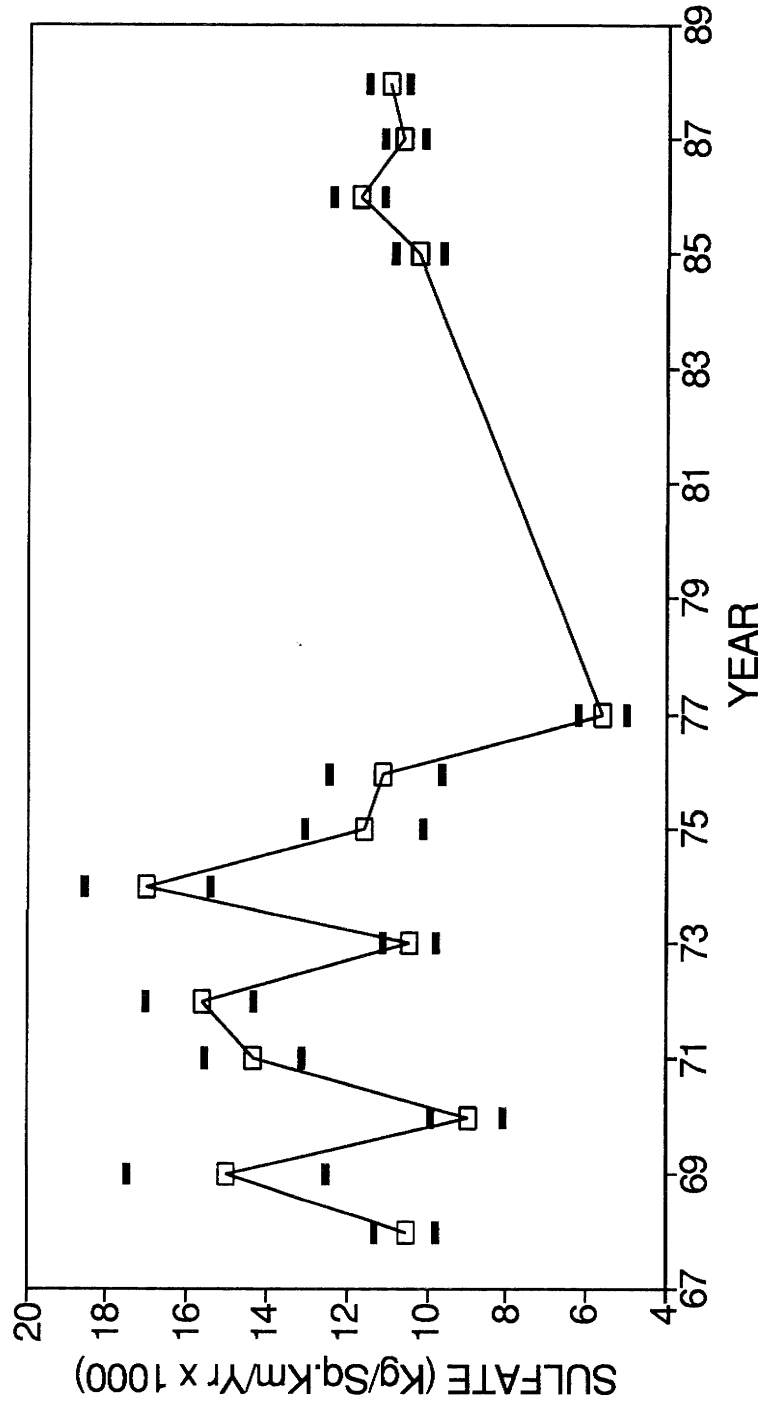
COLUMBIA RIVER EXPORT COEFFICIENTS: Chloride



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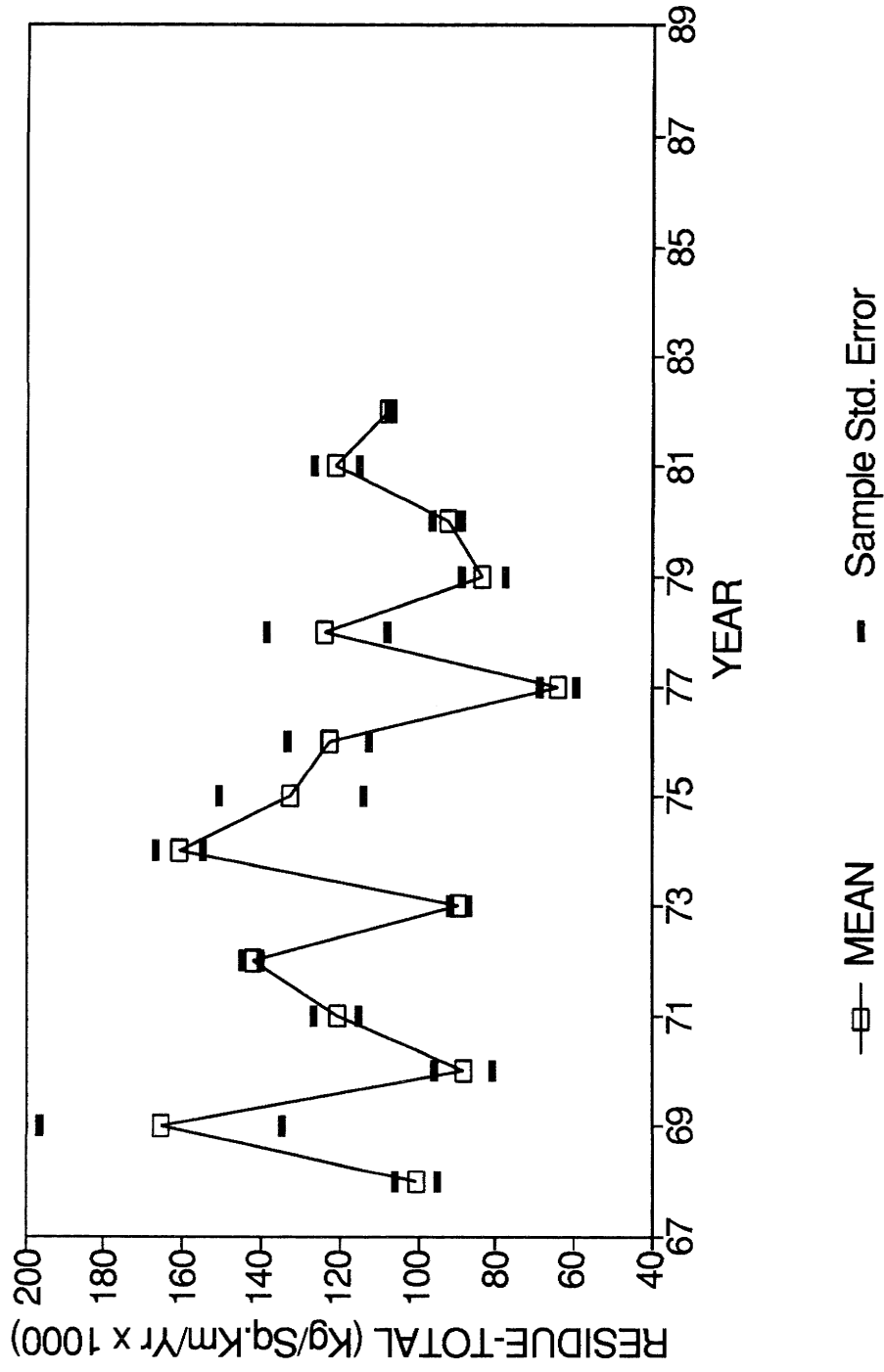
ELK RIVER EXPORT COEFFICIENTS: Sulfate



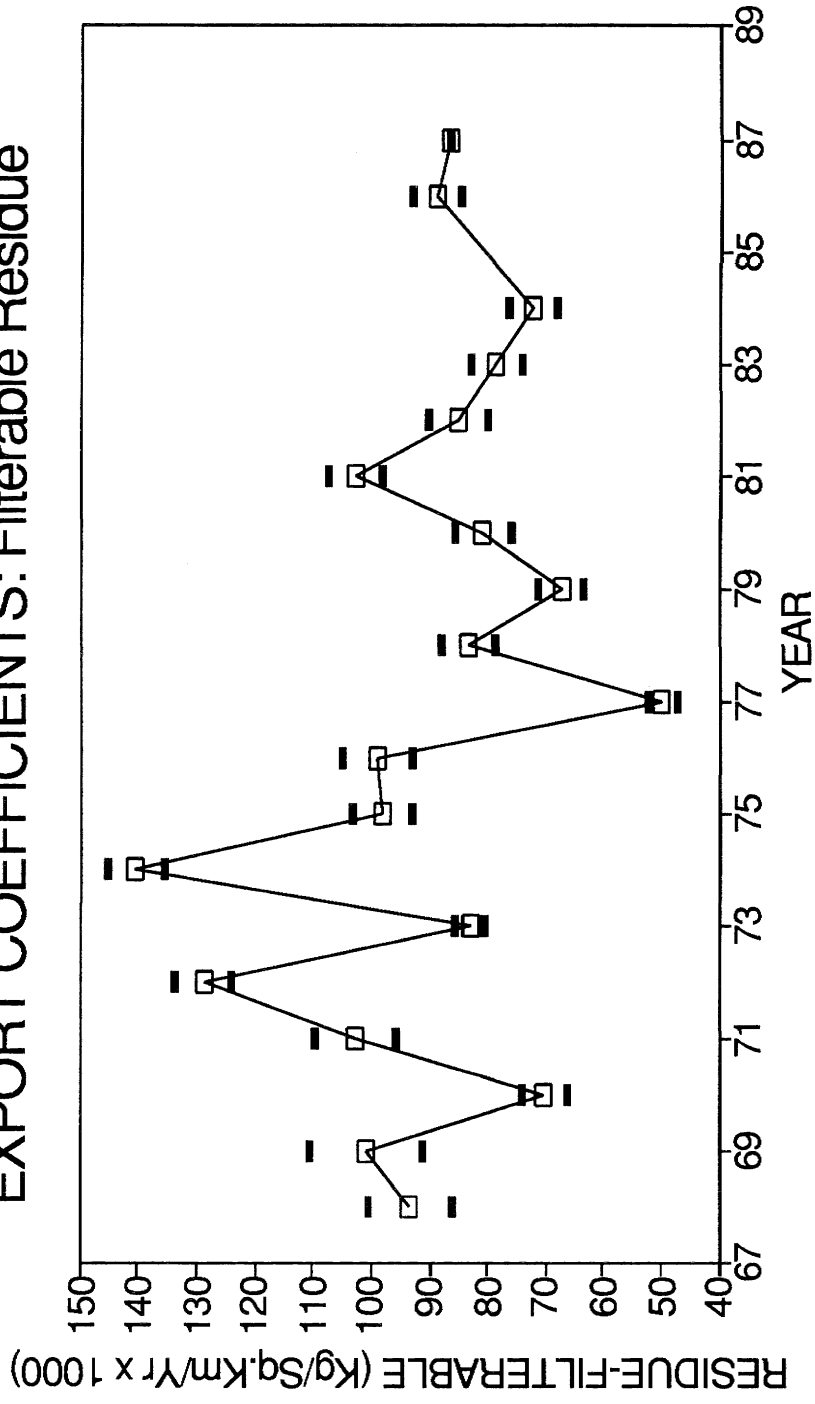
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ELK RIVER

EXPORT COEFFICIENTS: Total Residue

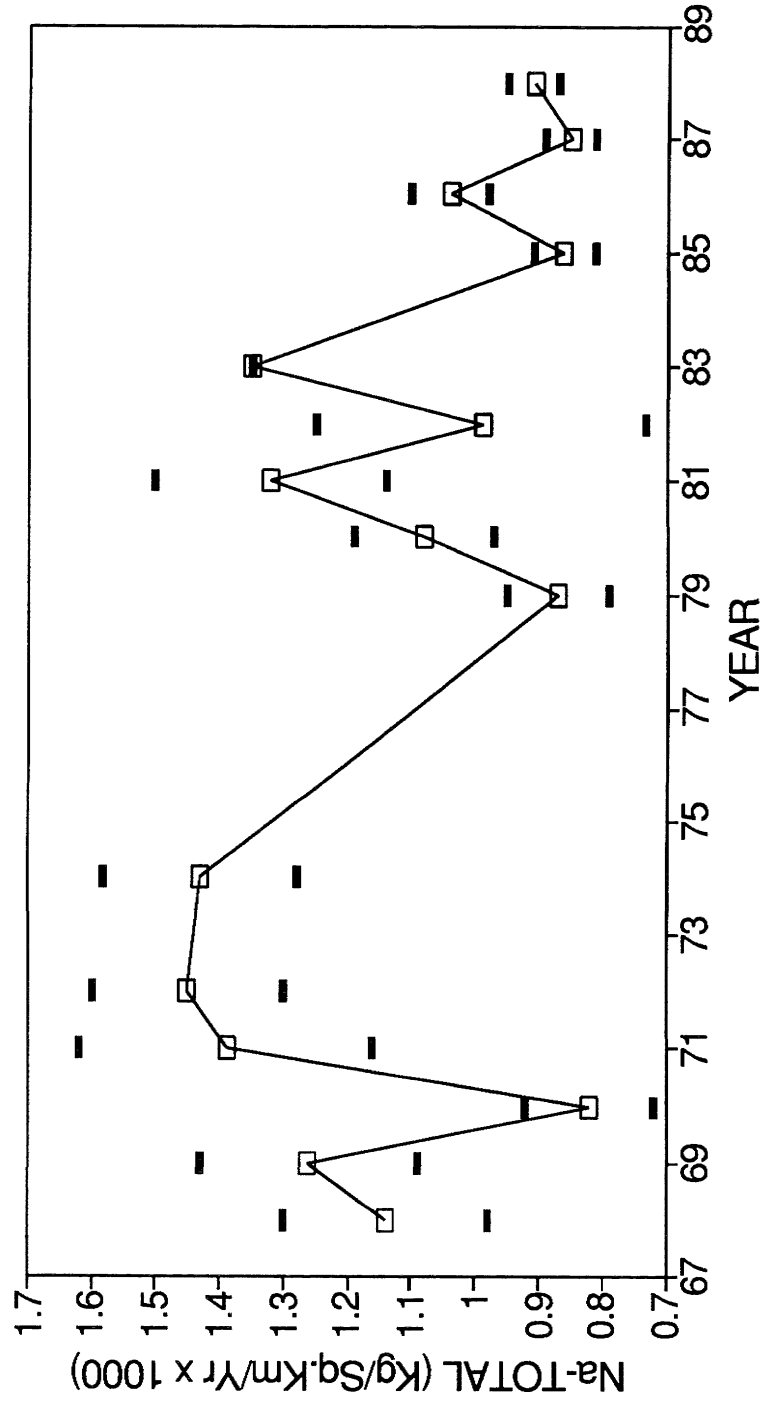


ELK RIVER EXPORT COEFFICIENTS: Filterable Residue



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ELK RIVER EXPORT COEFFICIENTS: Sodium

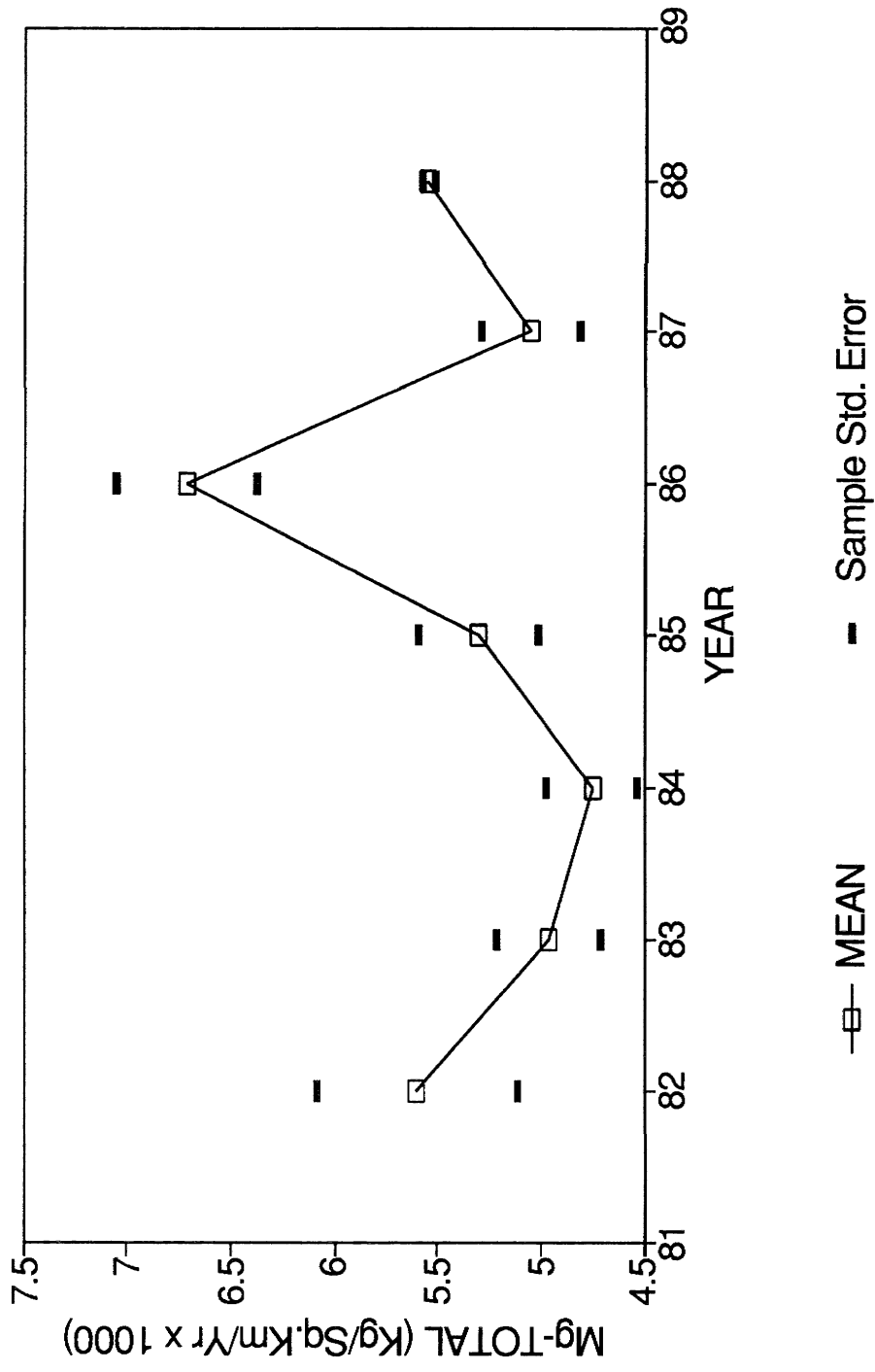


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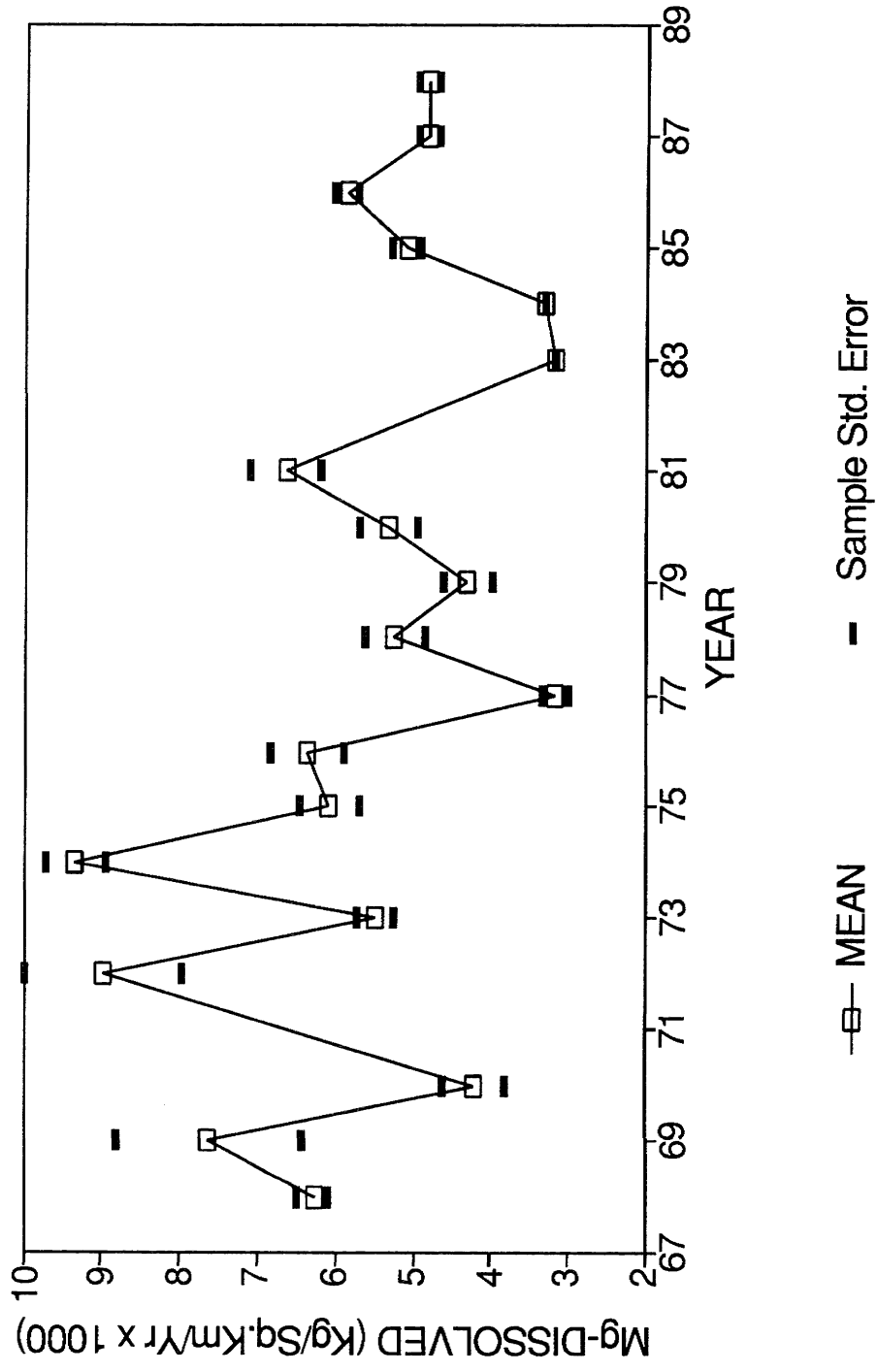
ELK RIVER

EXPORT COEFFICIENTS: Mg-Total



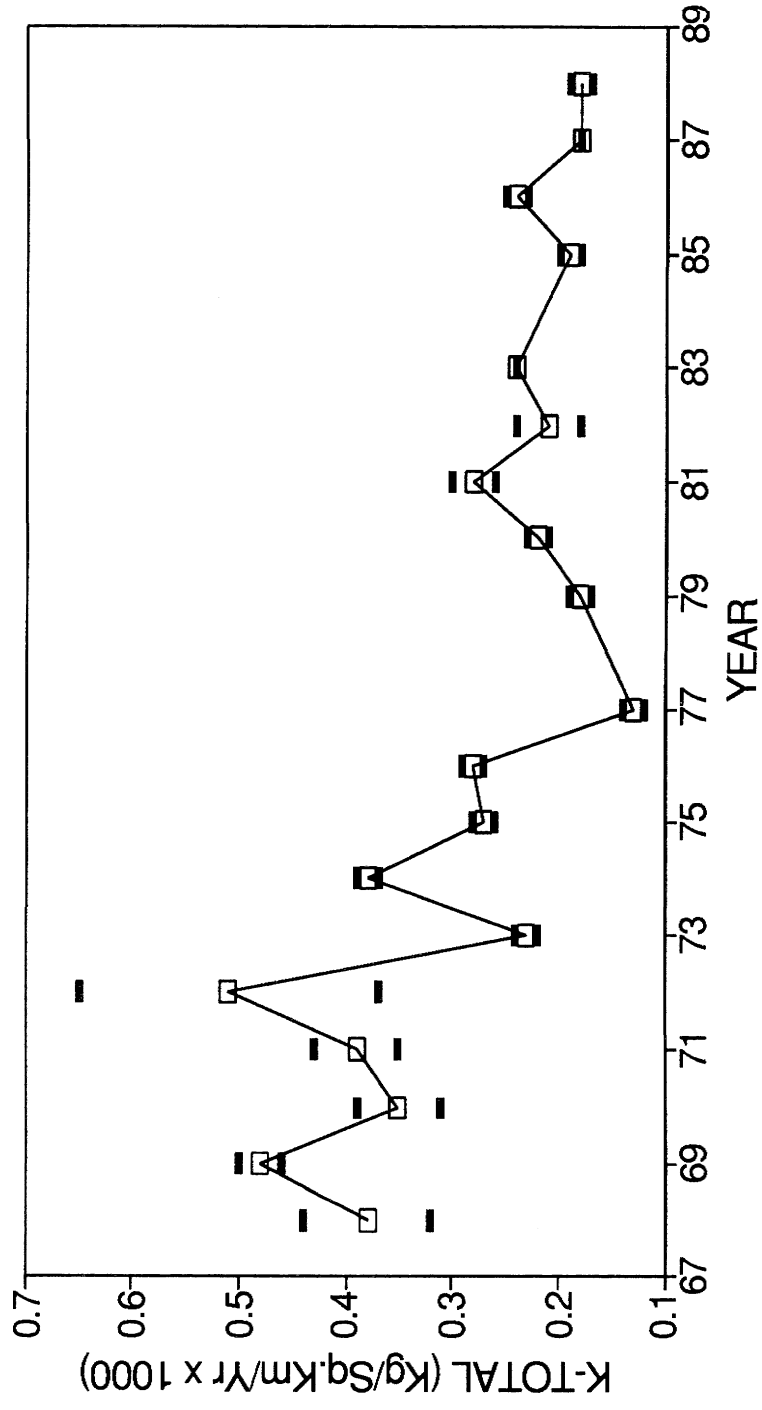
ELK RIVER

EXPORT COEFFICIENTS: Mg-Dissolved



ELK RIVER

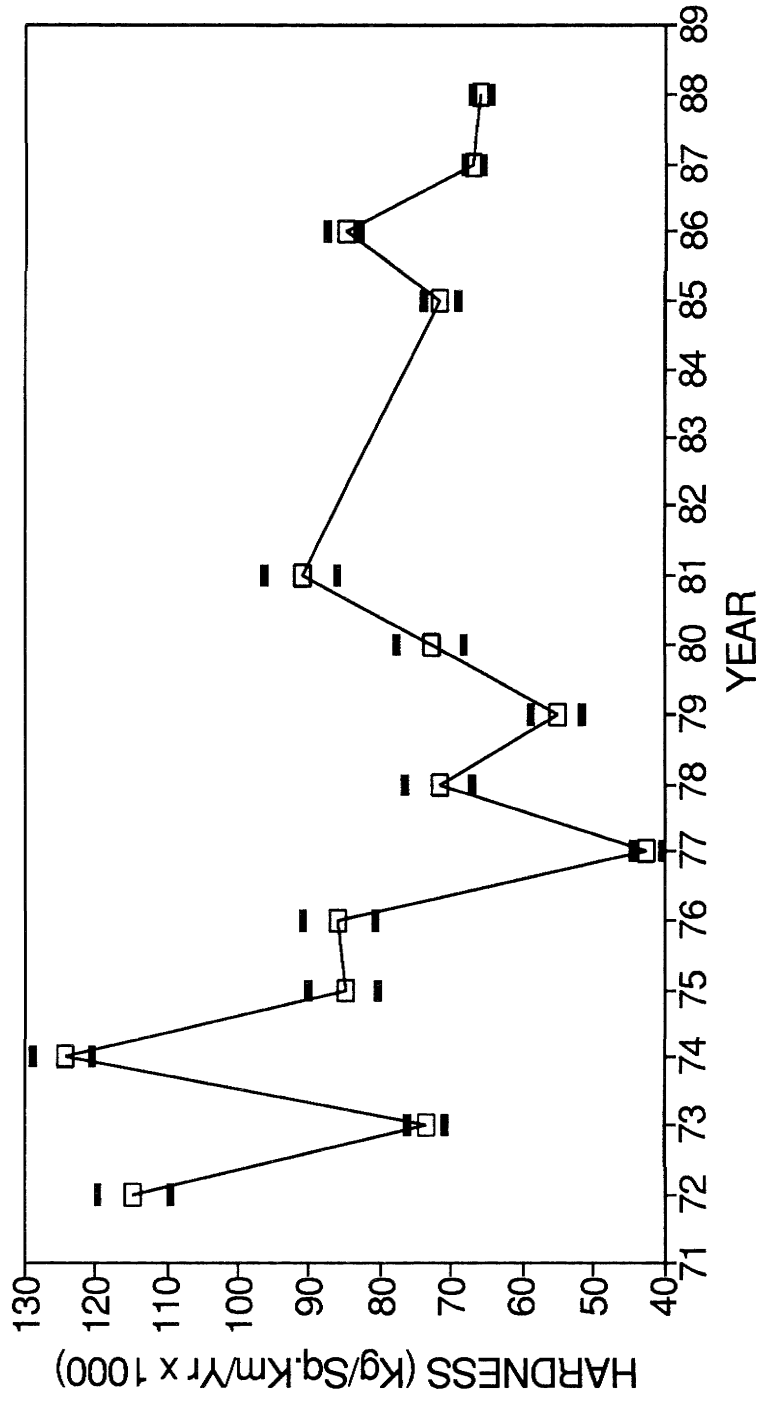
EXPORT COEFFICIENTS: Potassium



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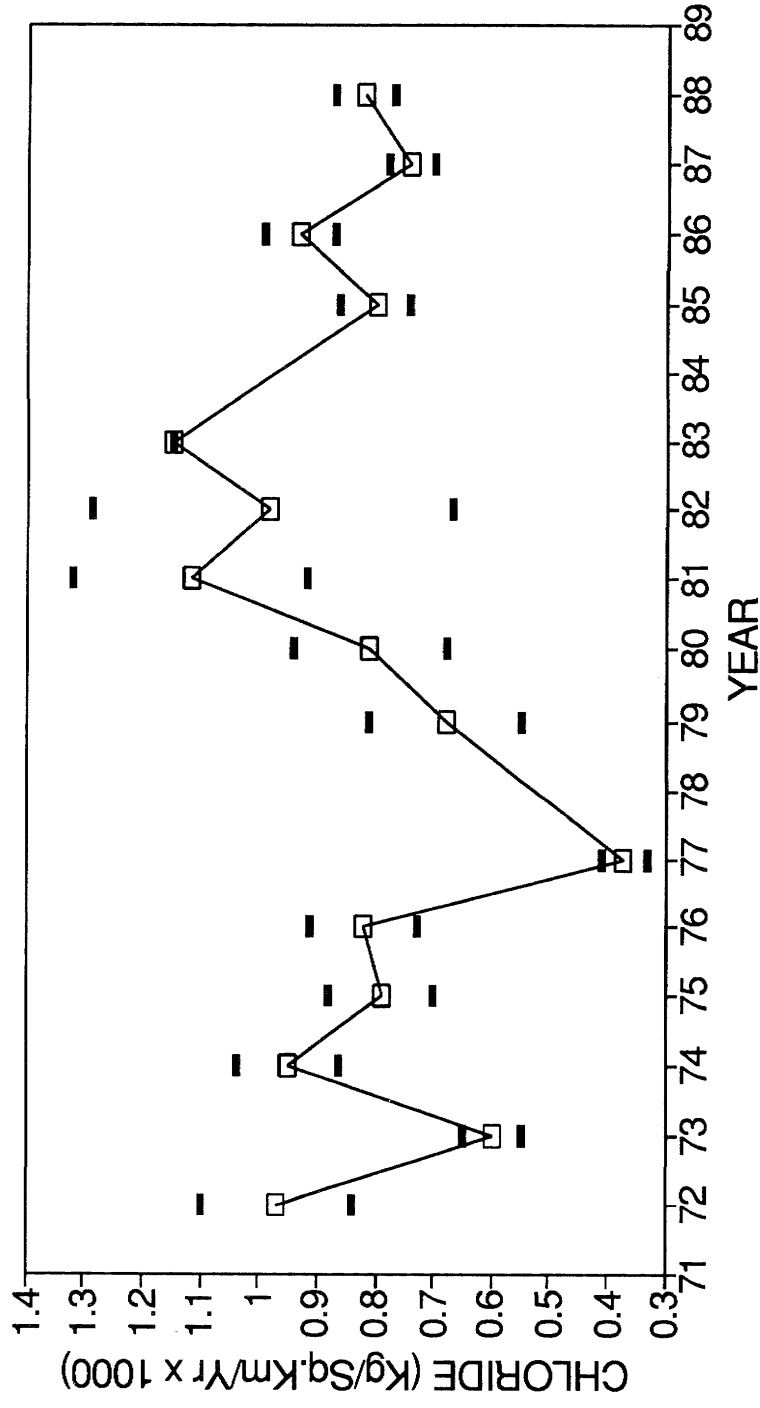
EXPORT COEFFICIENTS: Hardness



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ELK RIVER

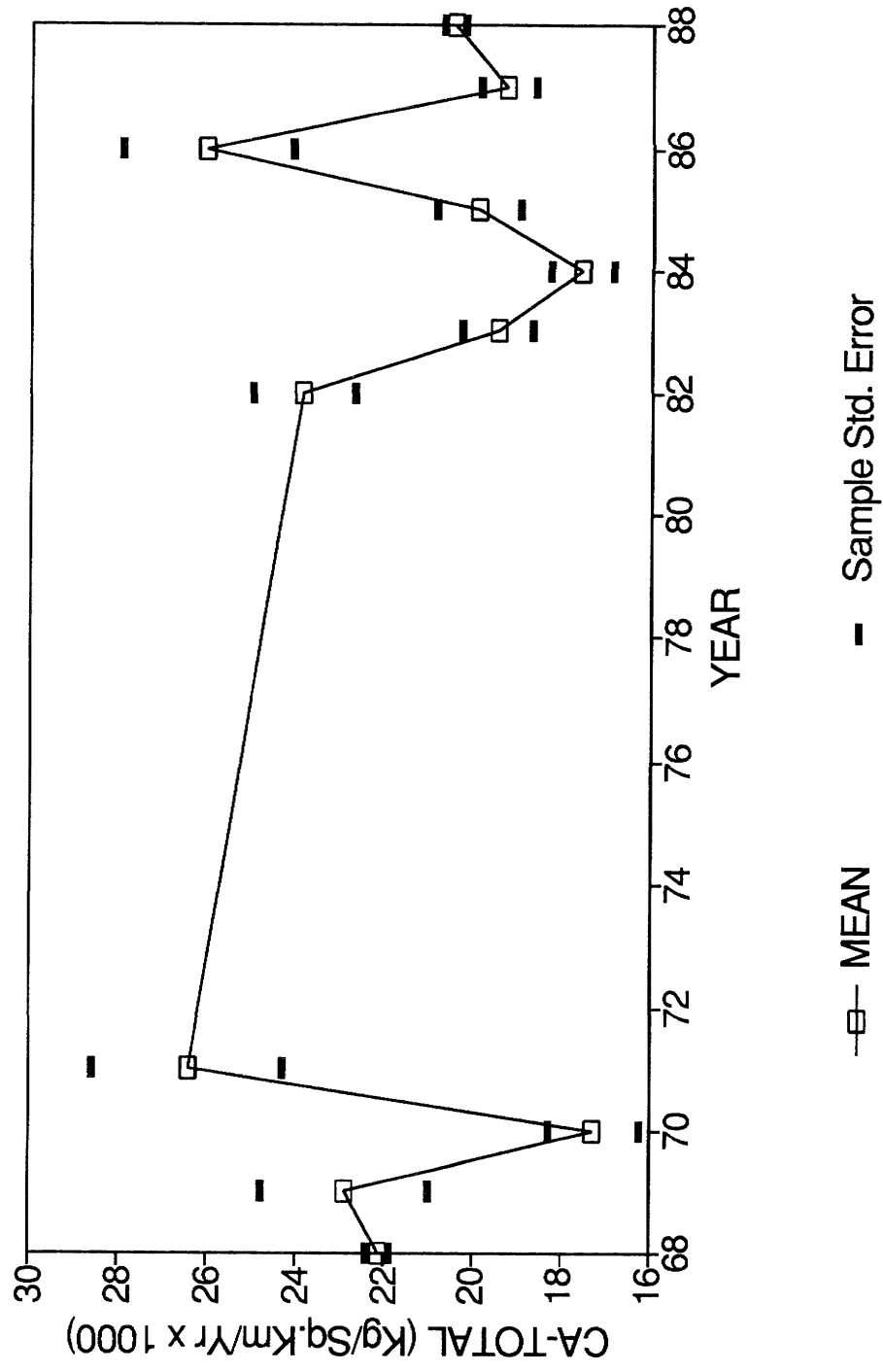
EXPORT COEFFICIENTS: Chloride



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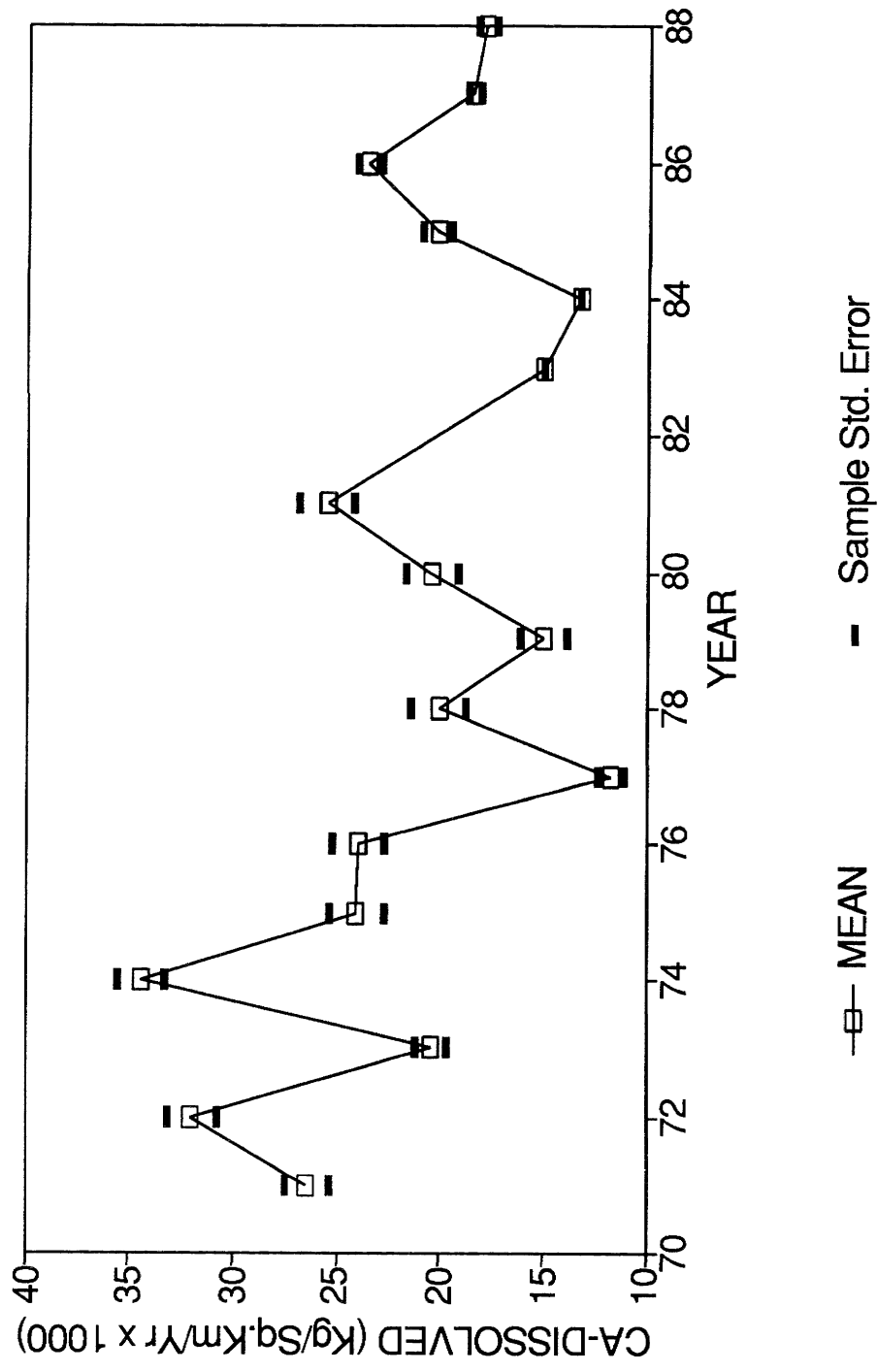
ELK RIVER

EXPORT COEFFICIENTS: Total Calcium



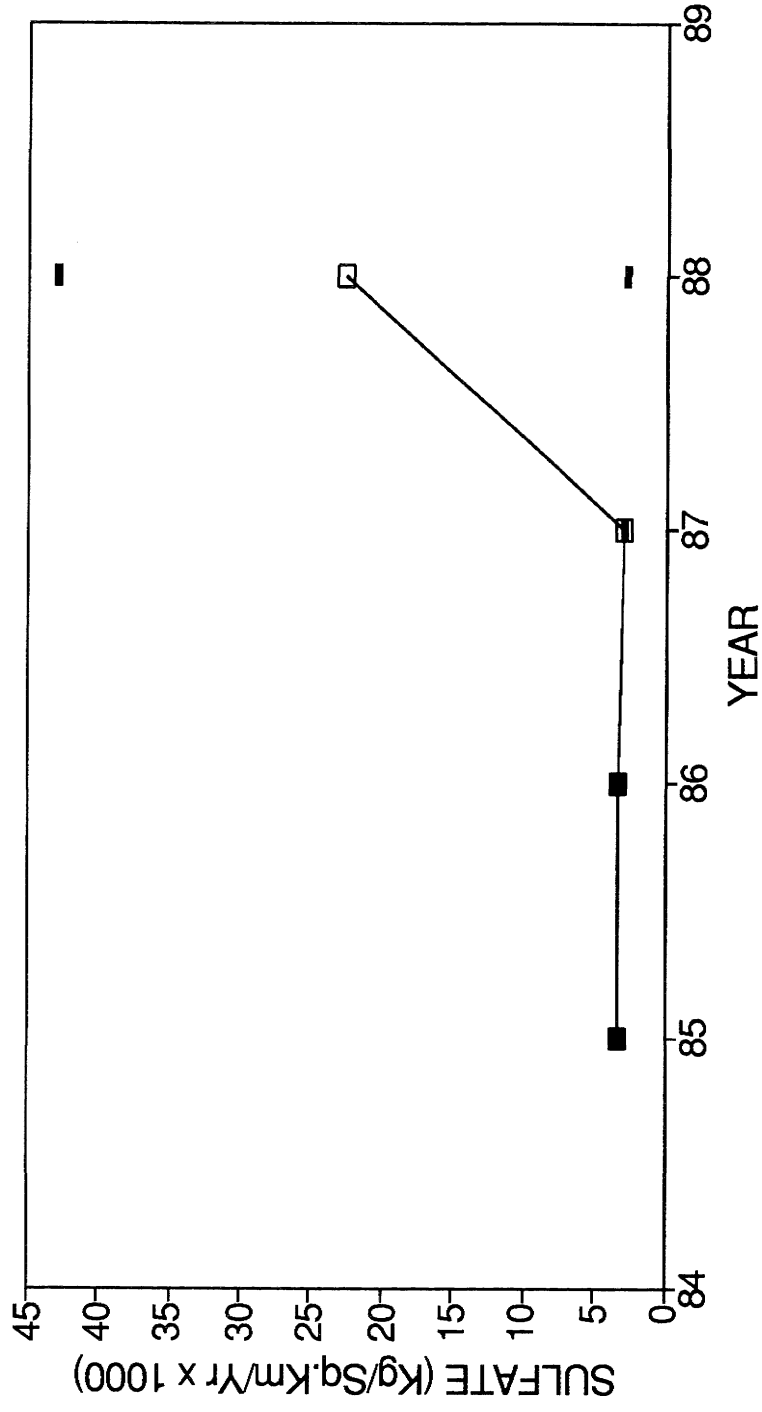
ELK RIVER

EXPORT COEFFICIENTS: Dissolved Calcium



FLATHEAD RIVER

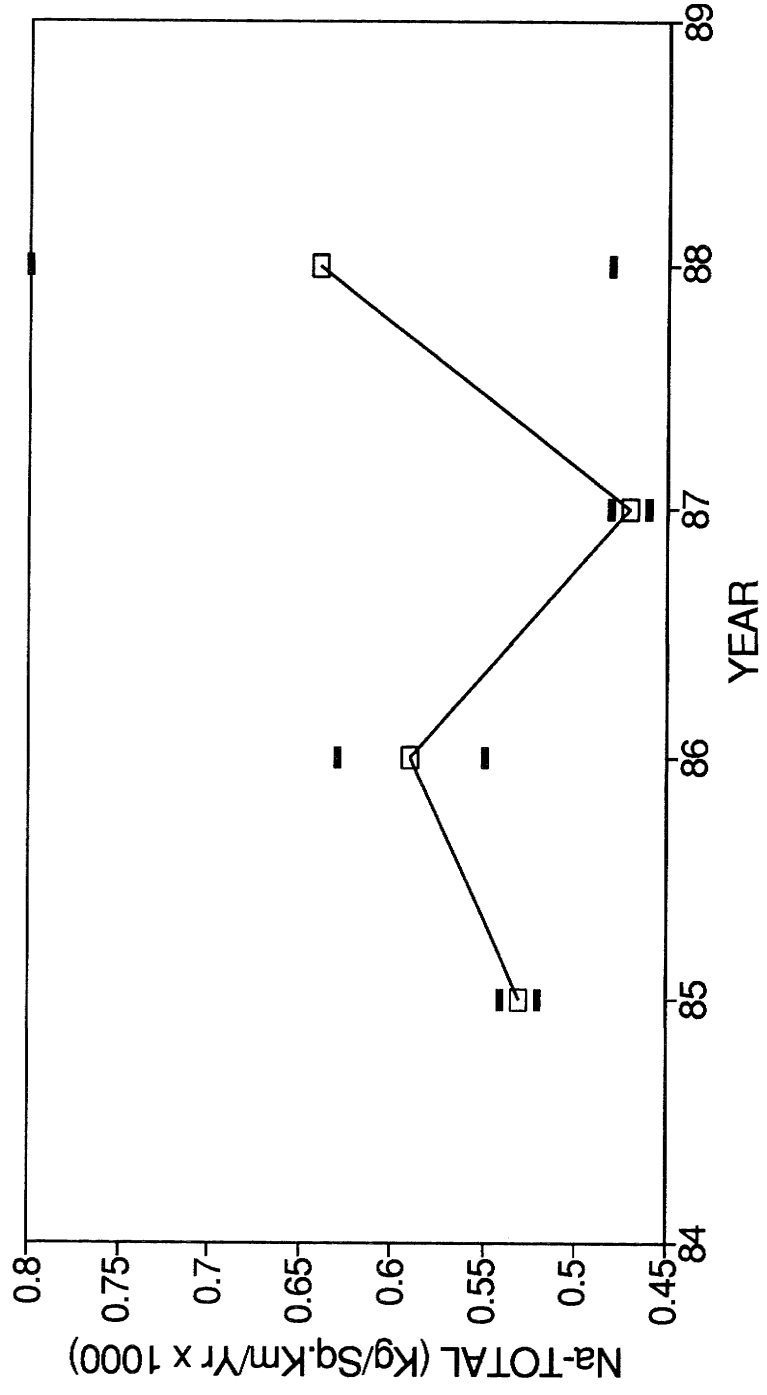
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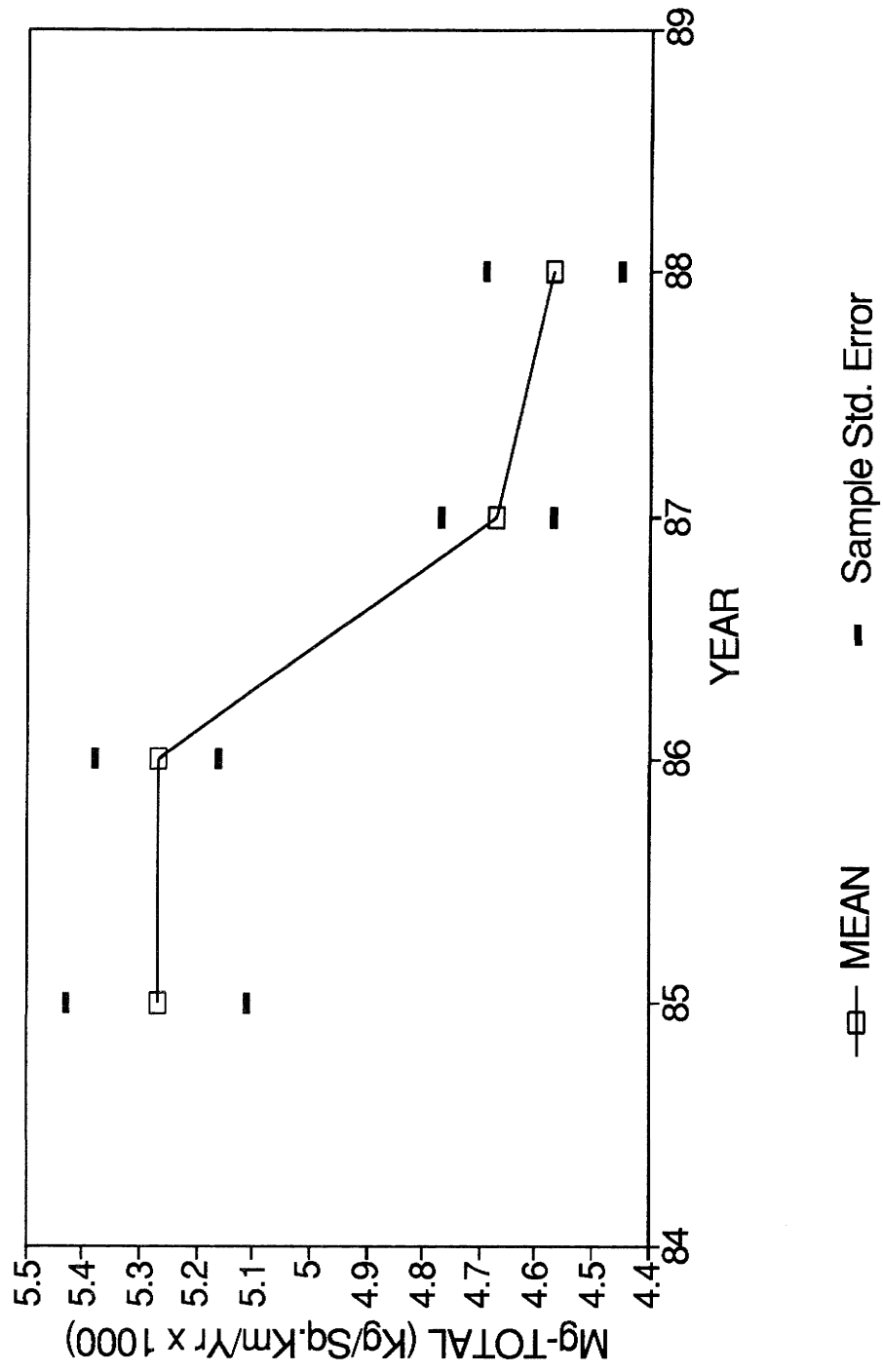
FLATHEAD RIVER EXPORT COEFFICIENTS: Sodium



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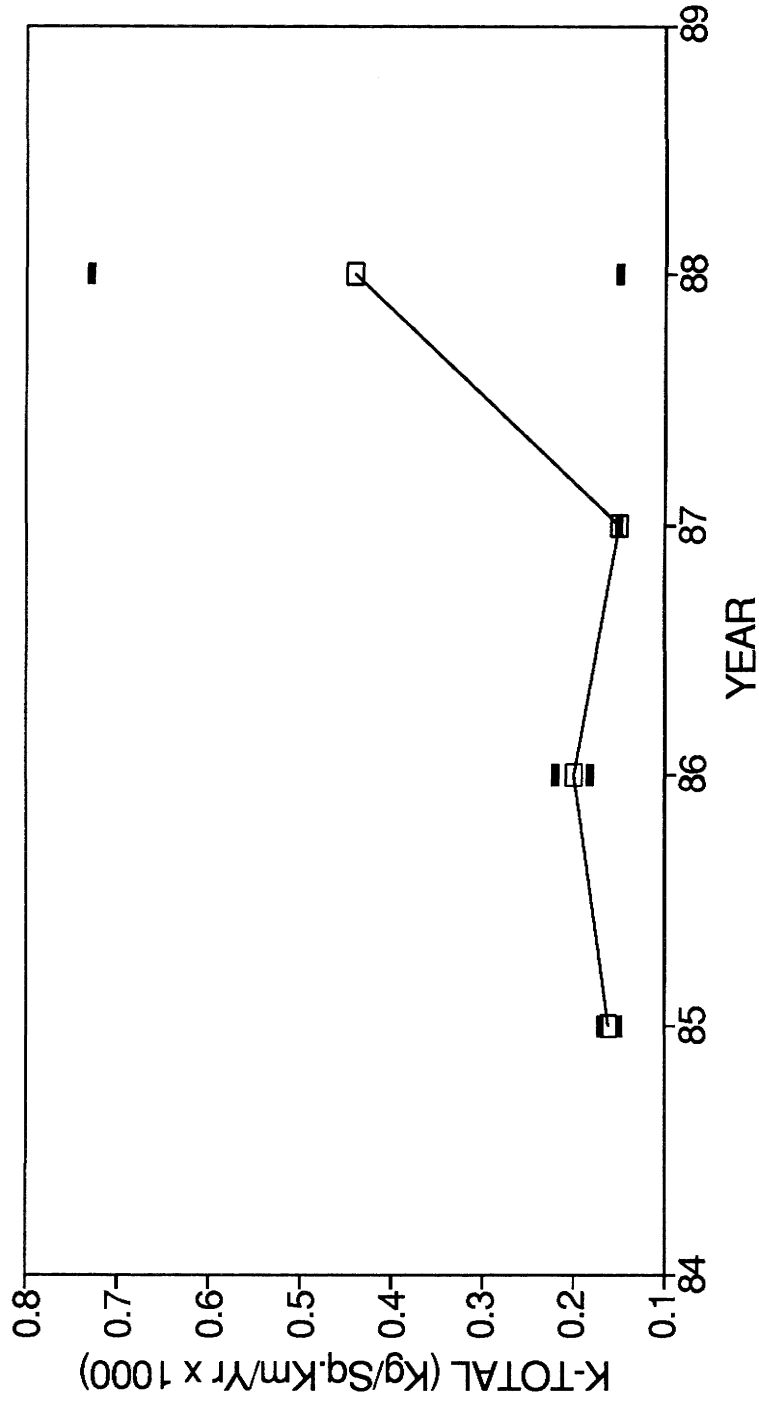
FLATHEAD RIVER

EXPORT COEFFICIENTS: Mg-Total



FLATHEAD RIVER

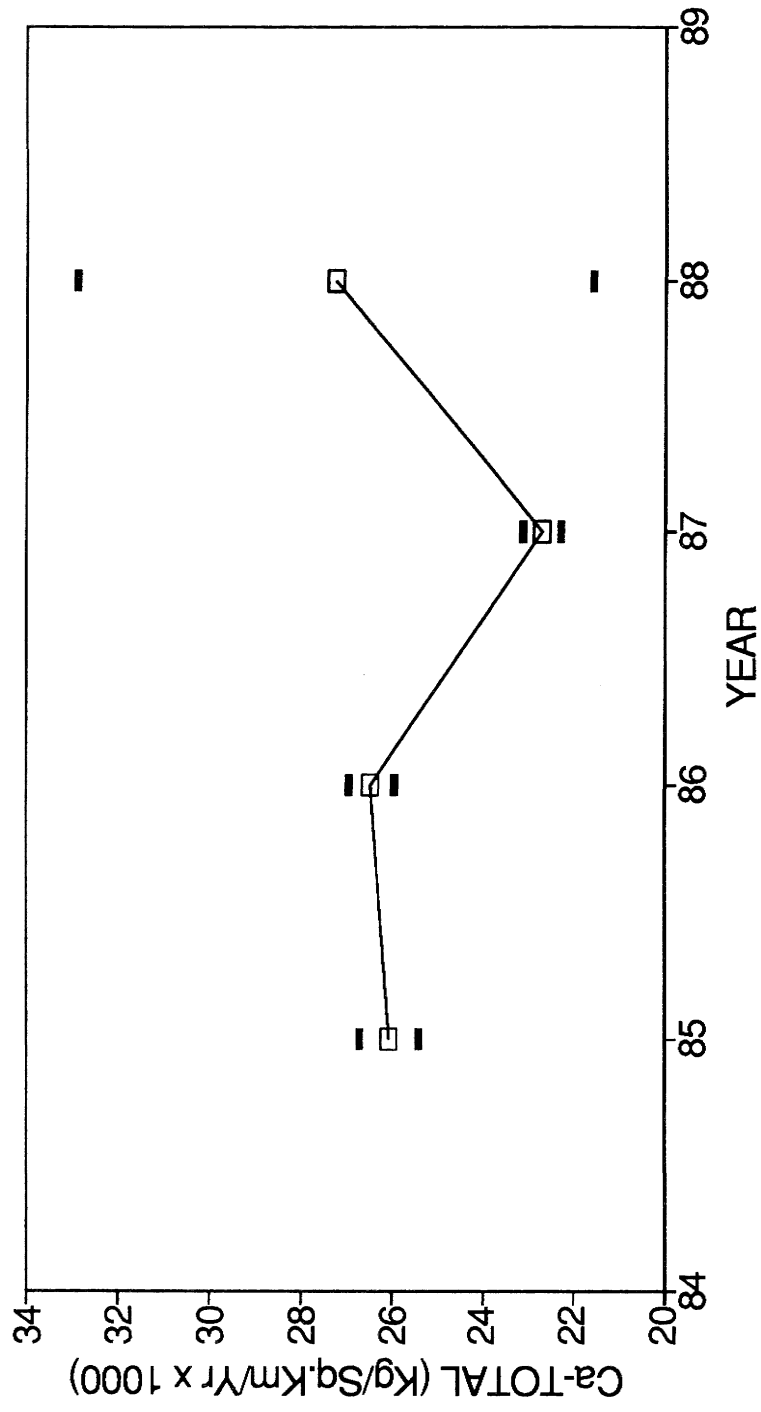
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FLATHEAD RIVER

EXPORT COEFFICIENTS: Total Calcium

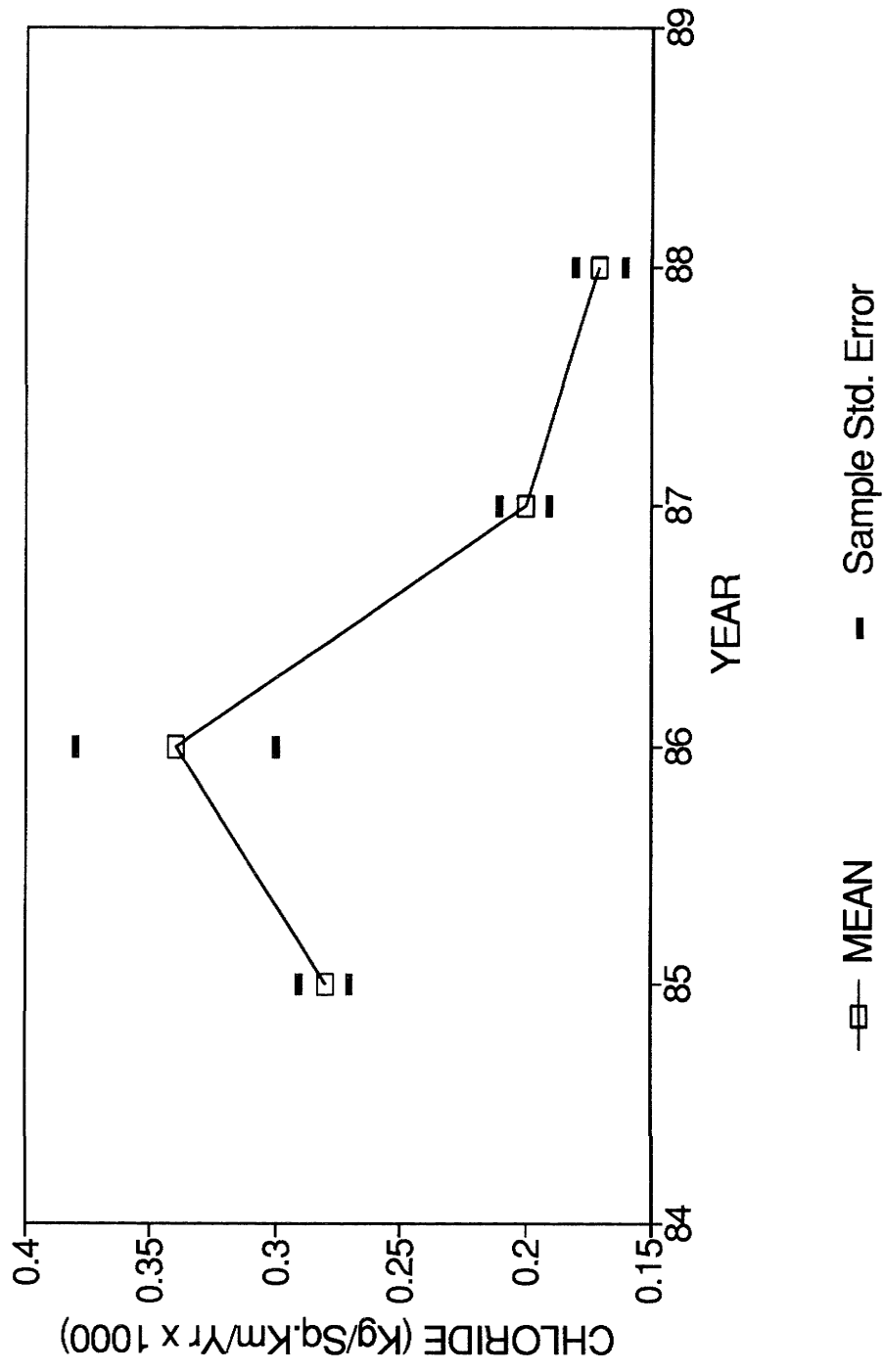


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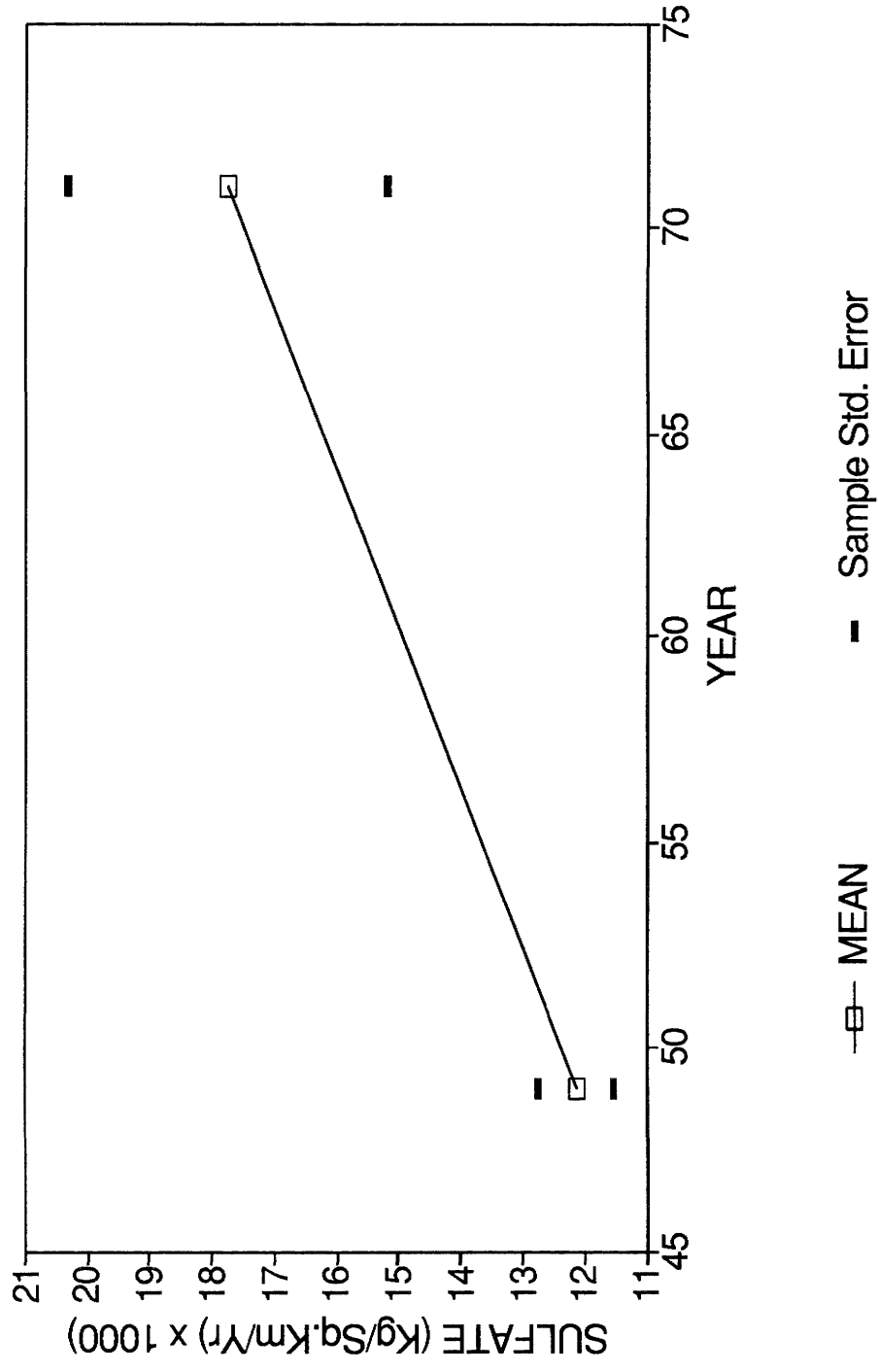
FLATHEAD RIVER

EXPORT COEFFICIENTS: Chloride



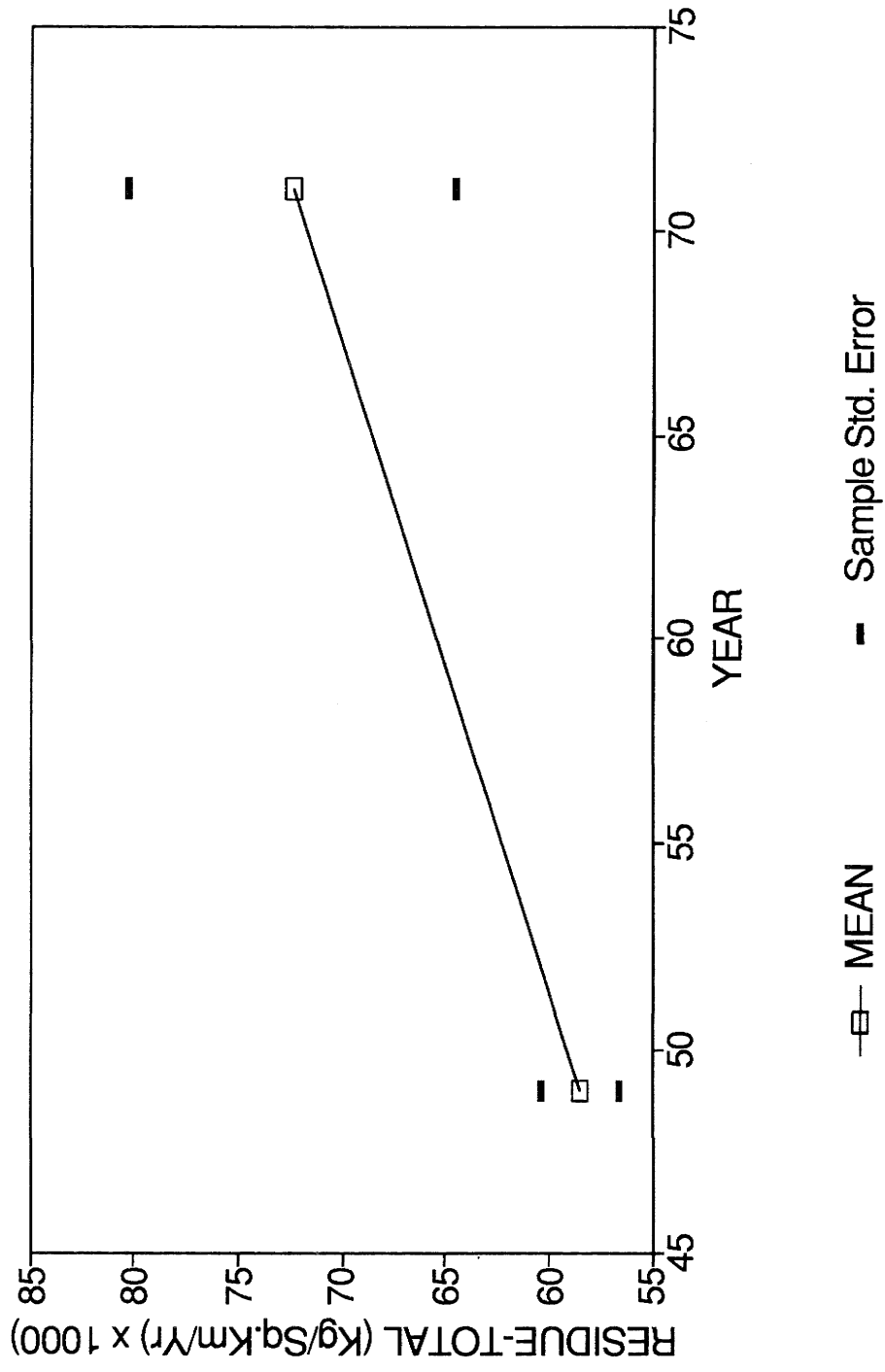
KOOTENAY RIVER

EXPORT COEFFICIENTS: Sulfate



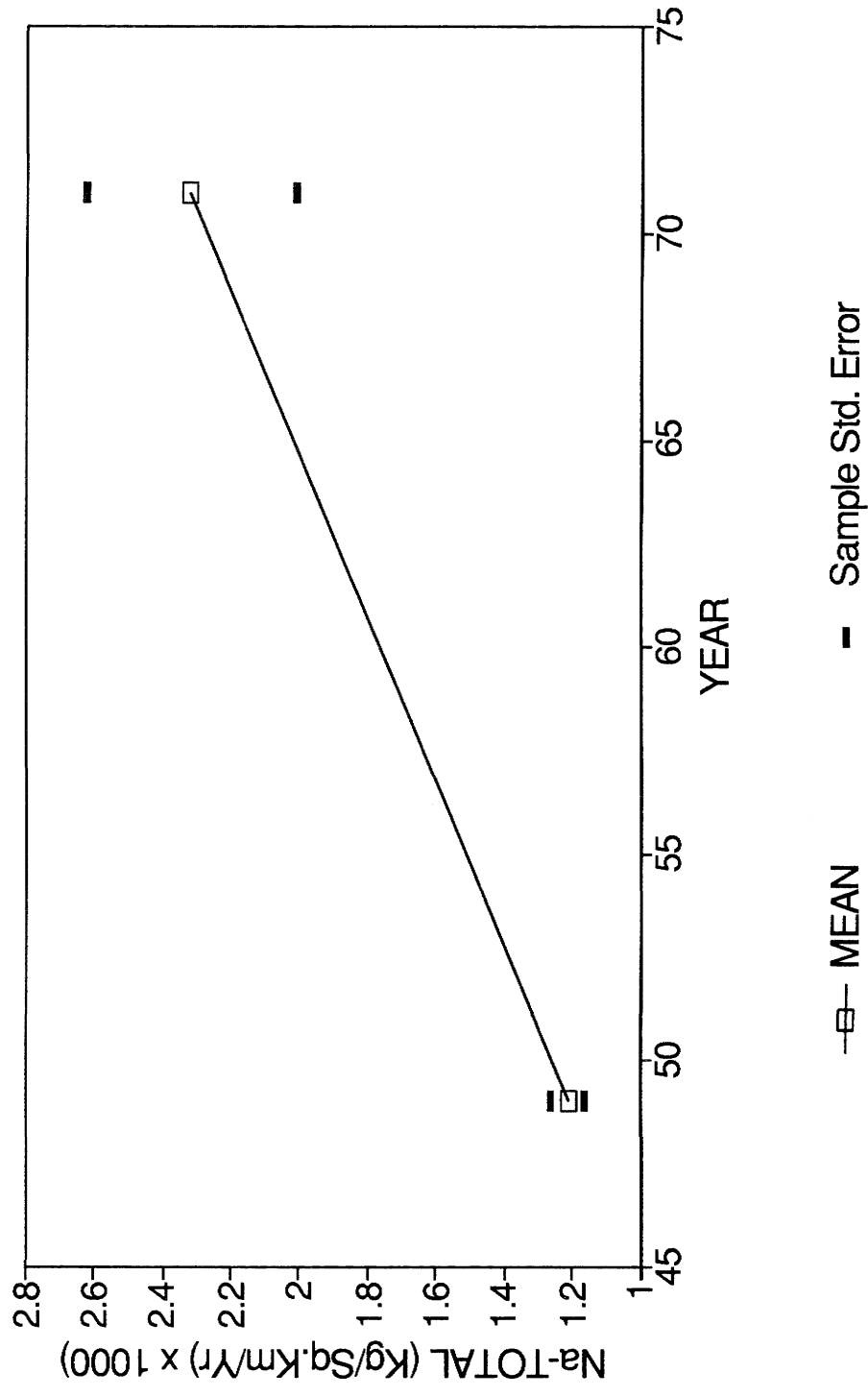
KOOTENAY RIVER

EXPORT COEFFICIENTS: Total Residue



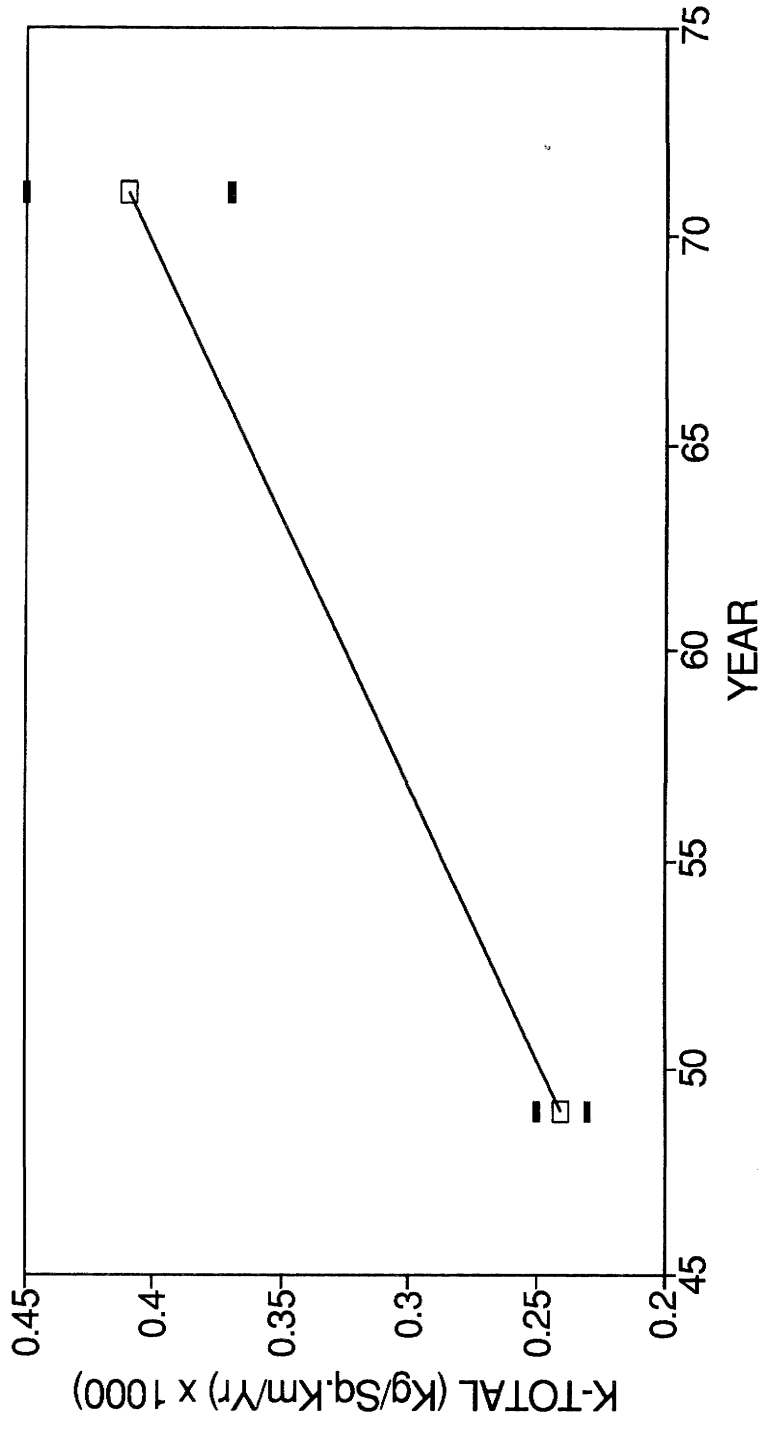
KOOTENAY RIVER

EXPORT COEFFICIENTS: Sodium



KOOTENAY RIVER

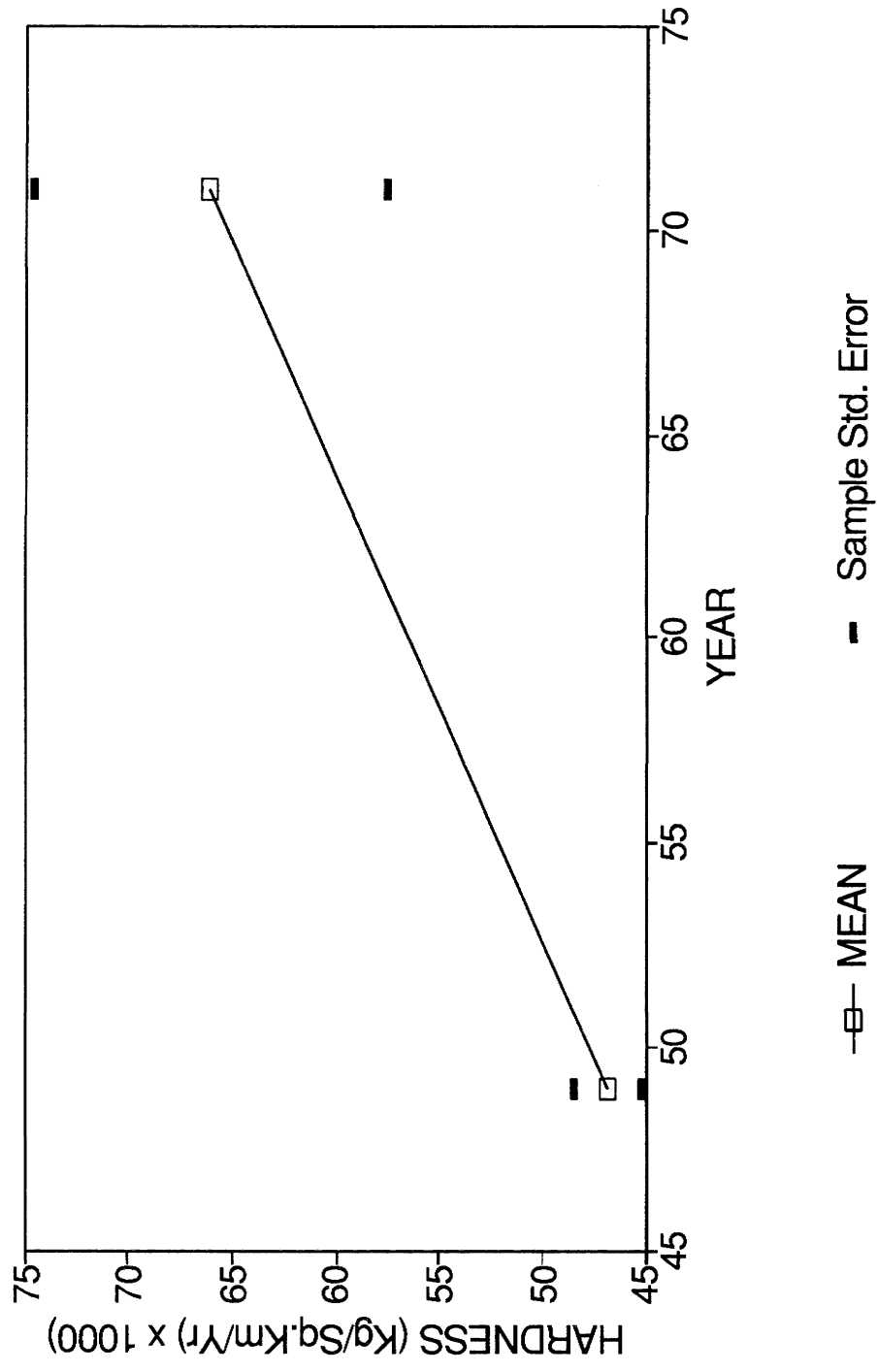
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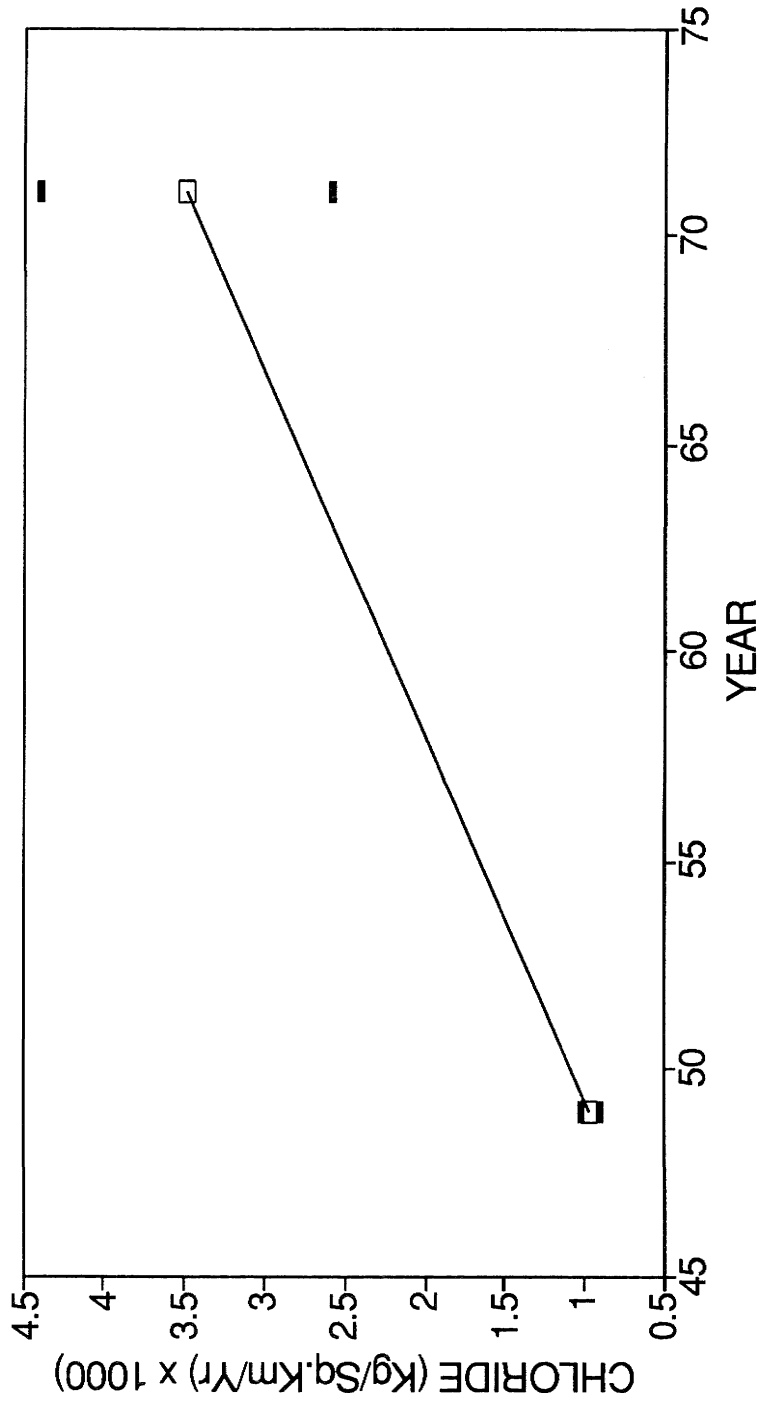
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KOOTENAY RIVER

EXPORT COEFFICIENTS: Hardness

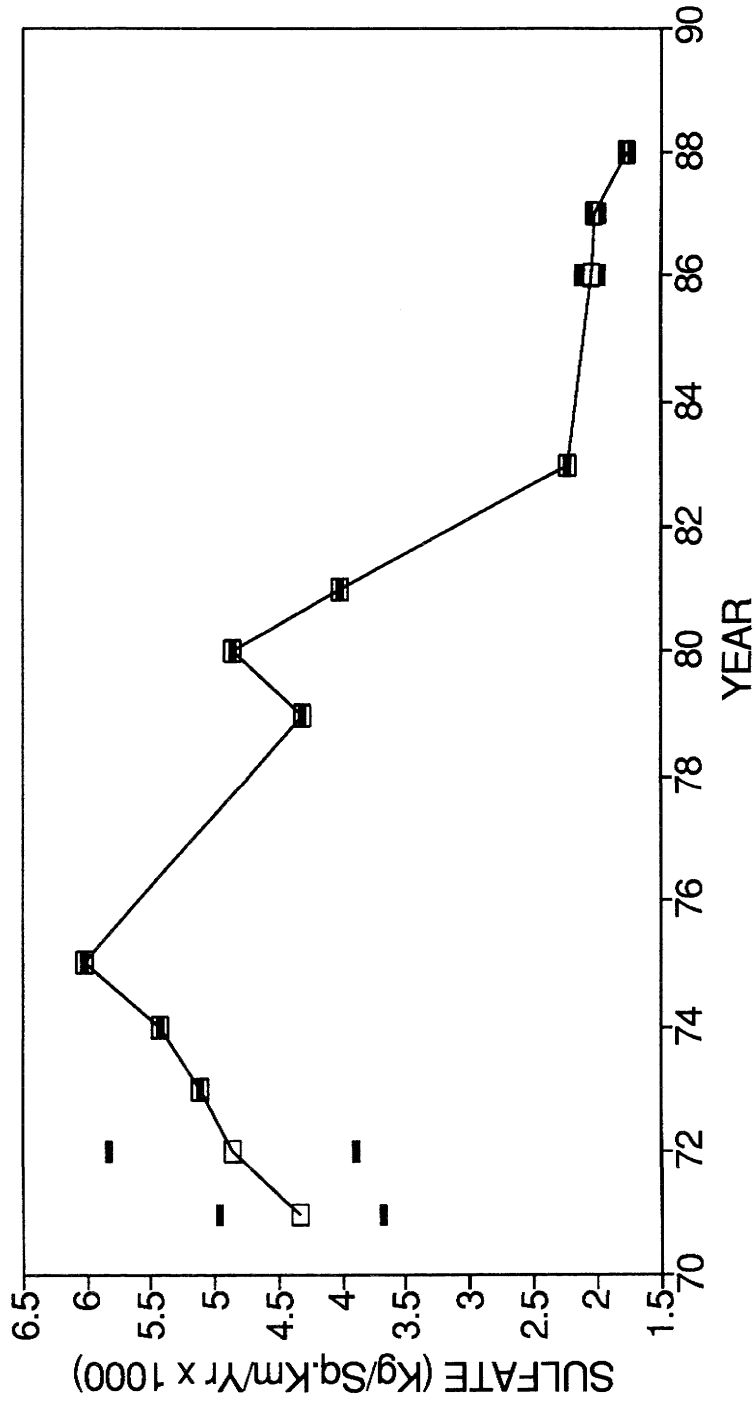


KOOTENAY RIVER EXPORT COEFFICIENTS: Chloride



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QUINSAM RIVER EXPORT COEFFICIENTS: Sulfate

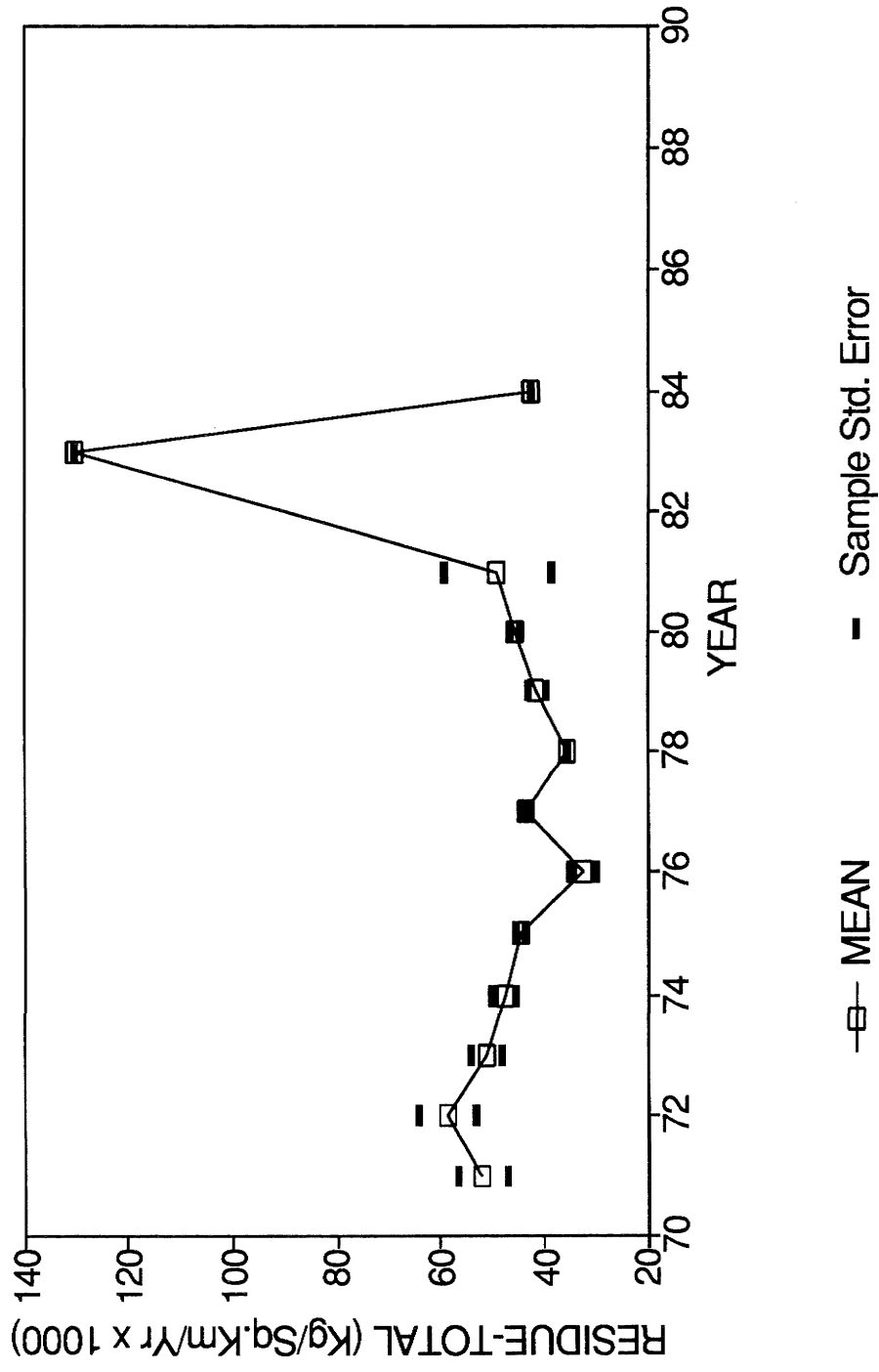


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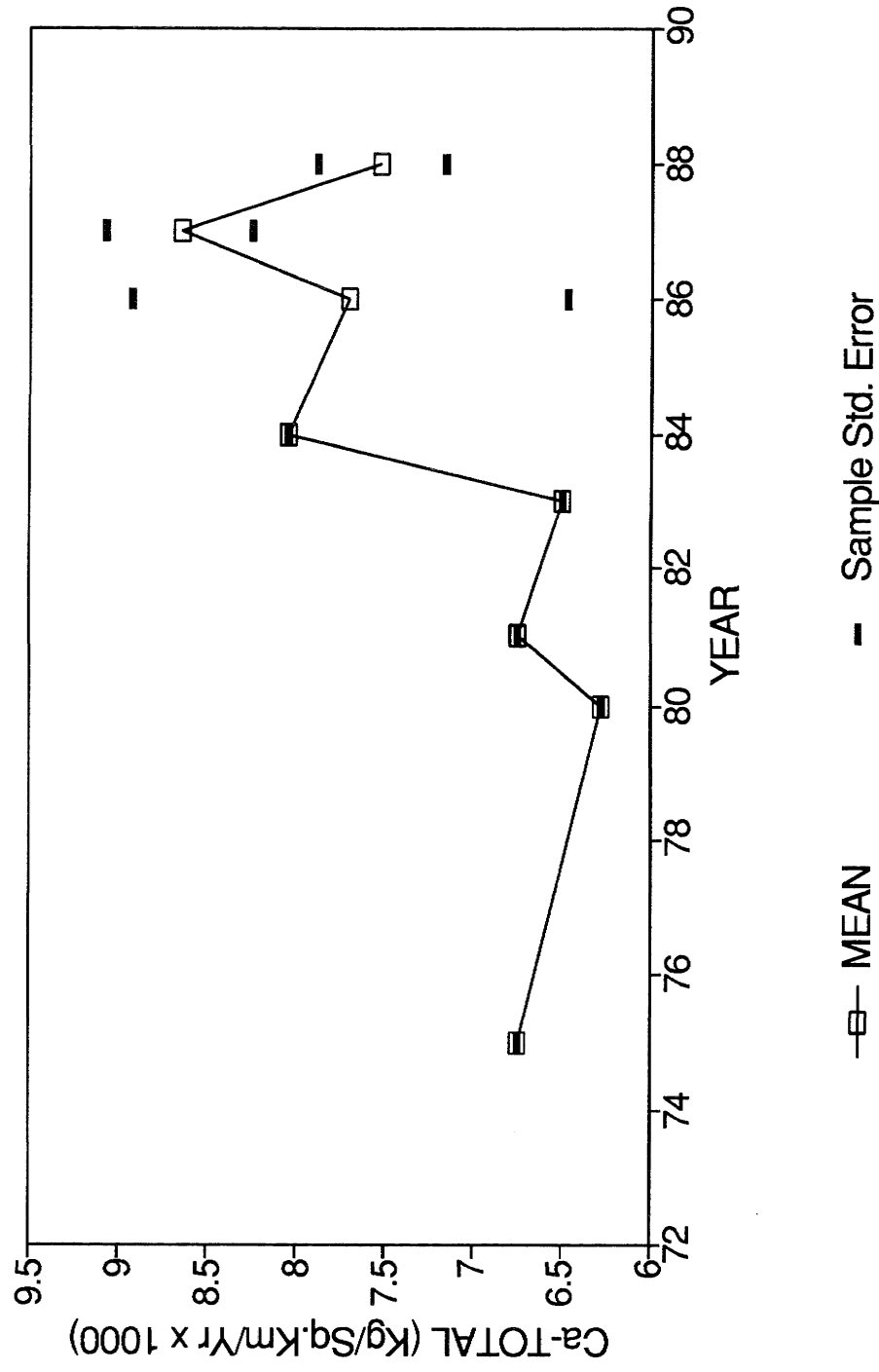
QUINSAM RIVER

EXPORT COEFFICIENTS: Total Residue



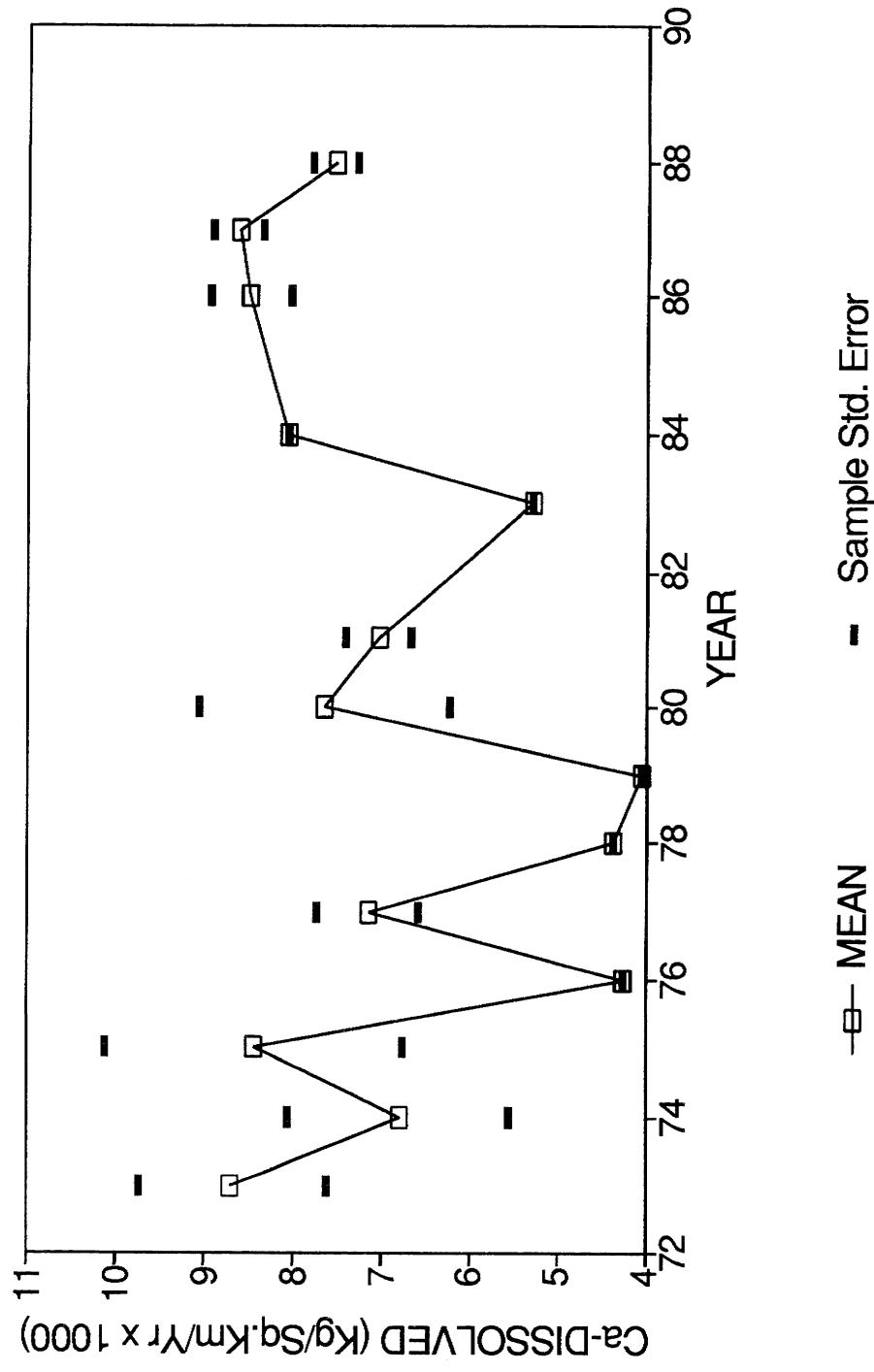
QUINSAM RIVER

EXPORT COEFFICIENTS: Total Calcium

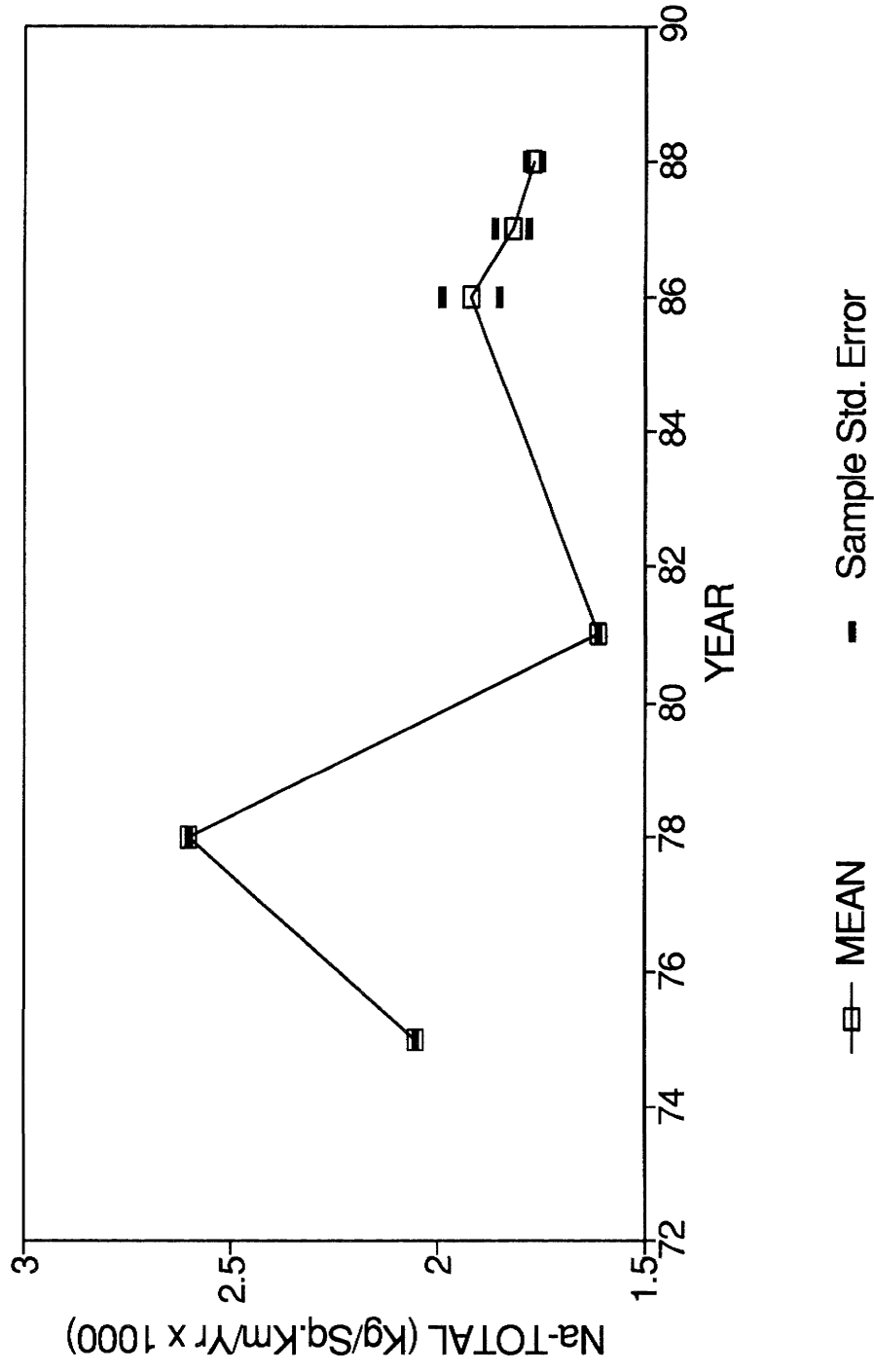


QUINSAM RIVER

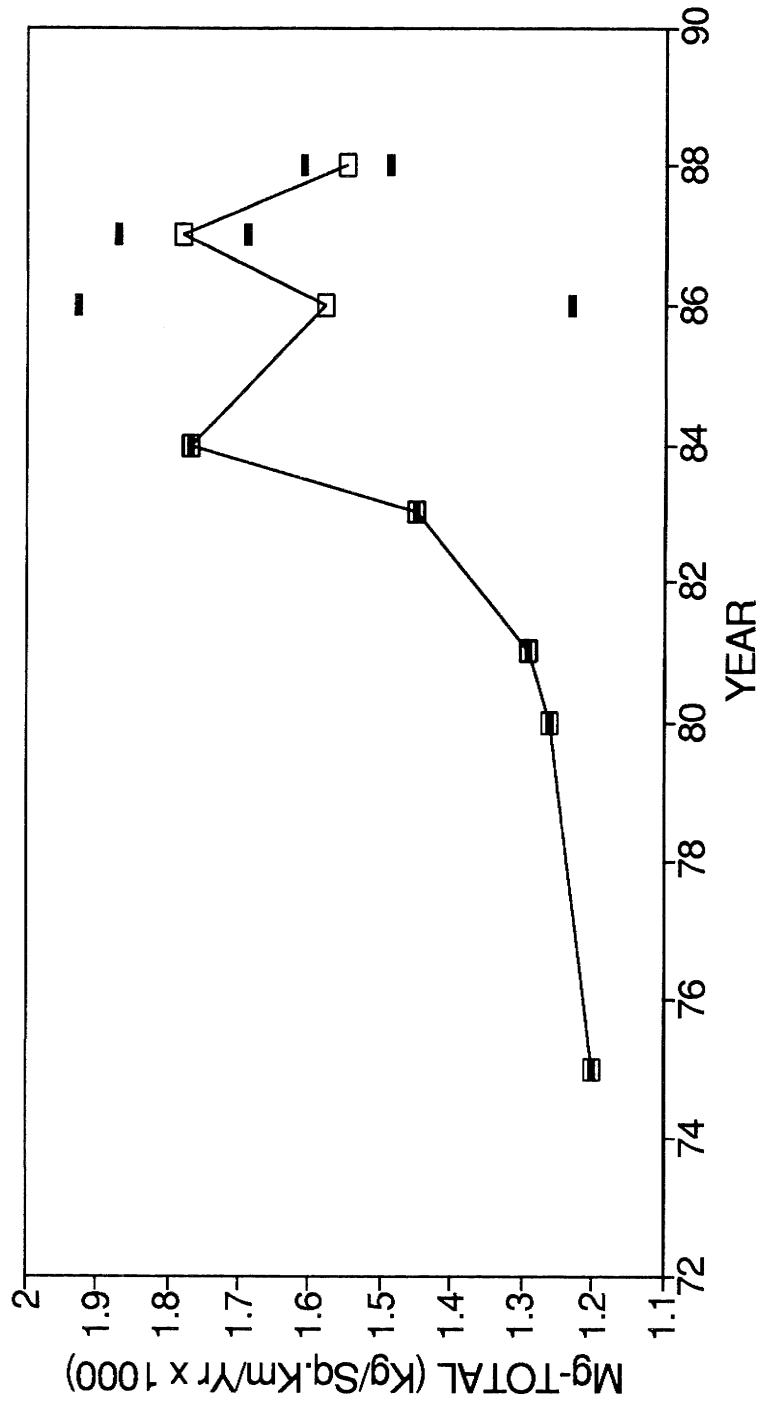
EXPORT COEFFICIENTS: Dissolved Calcium



QUINSAM RIVER EXPORT COEFFICIENTS: Sodium



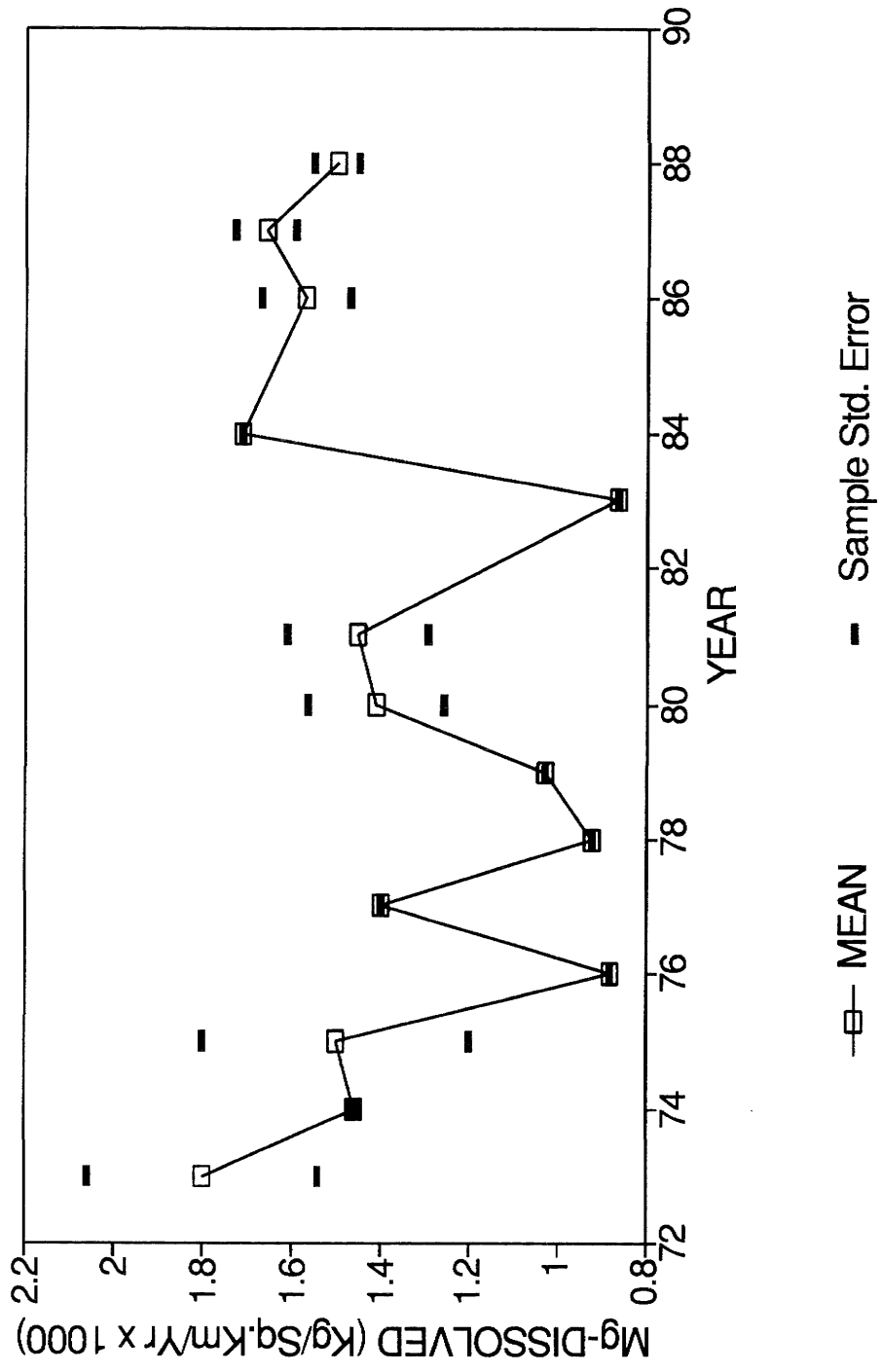
QUINSAM RIVER EXPORT COEFFICIENTS: Mg-Total



—■— MEAN — Sample Std. Error

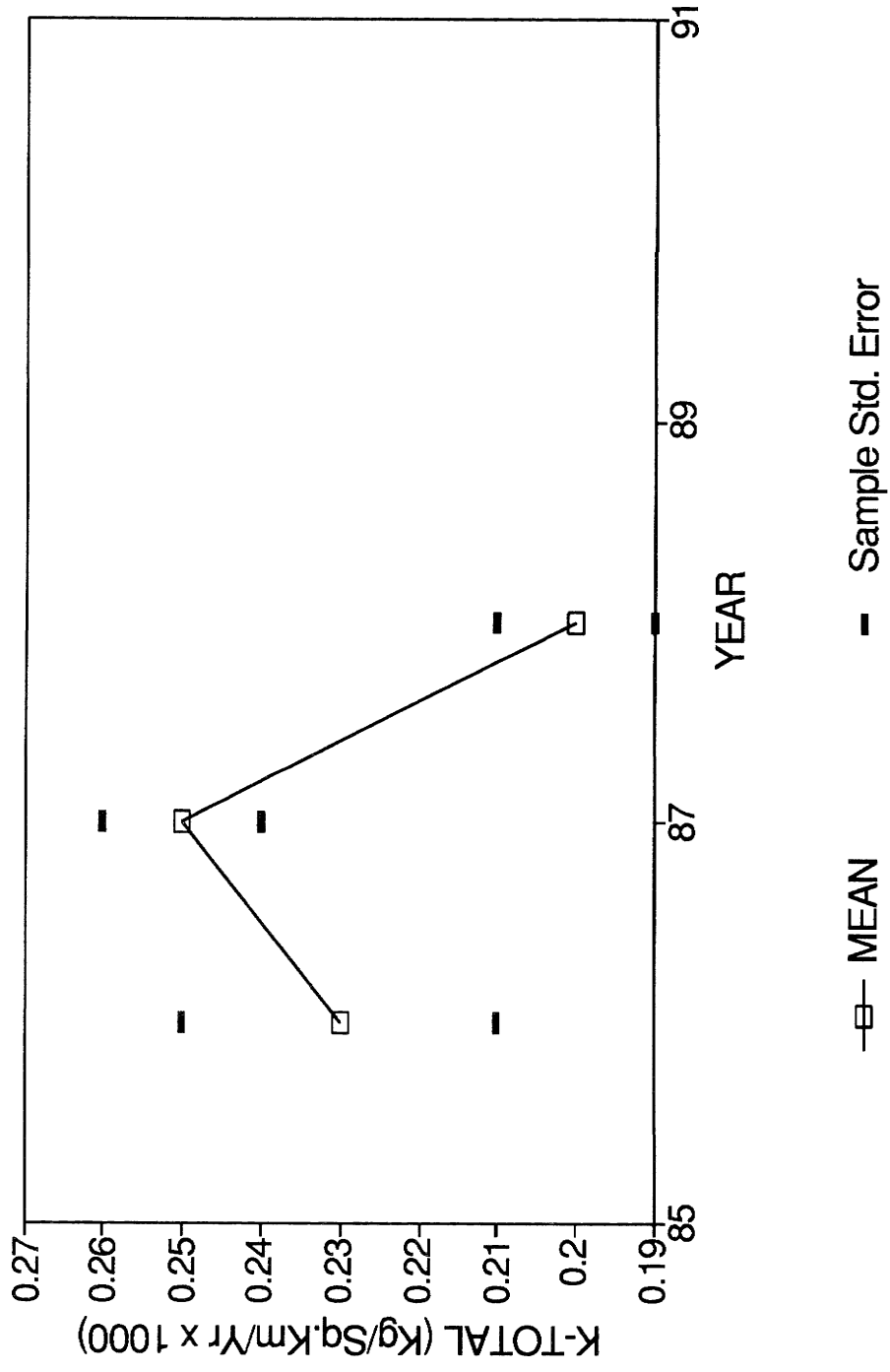
QUINSAM RIVER

EXPORT COEFFICIENTS: Mg-Dissolved

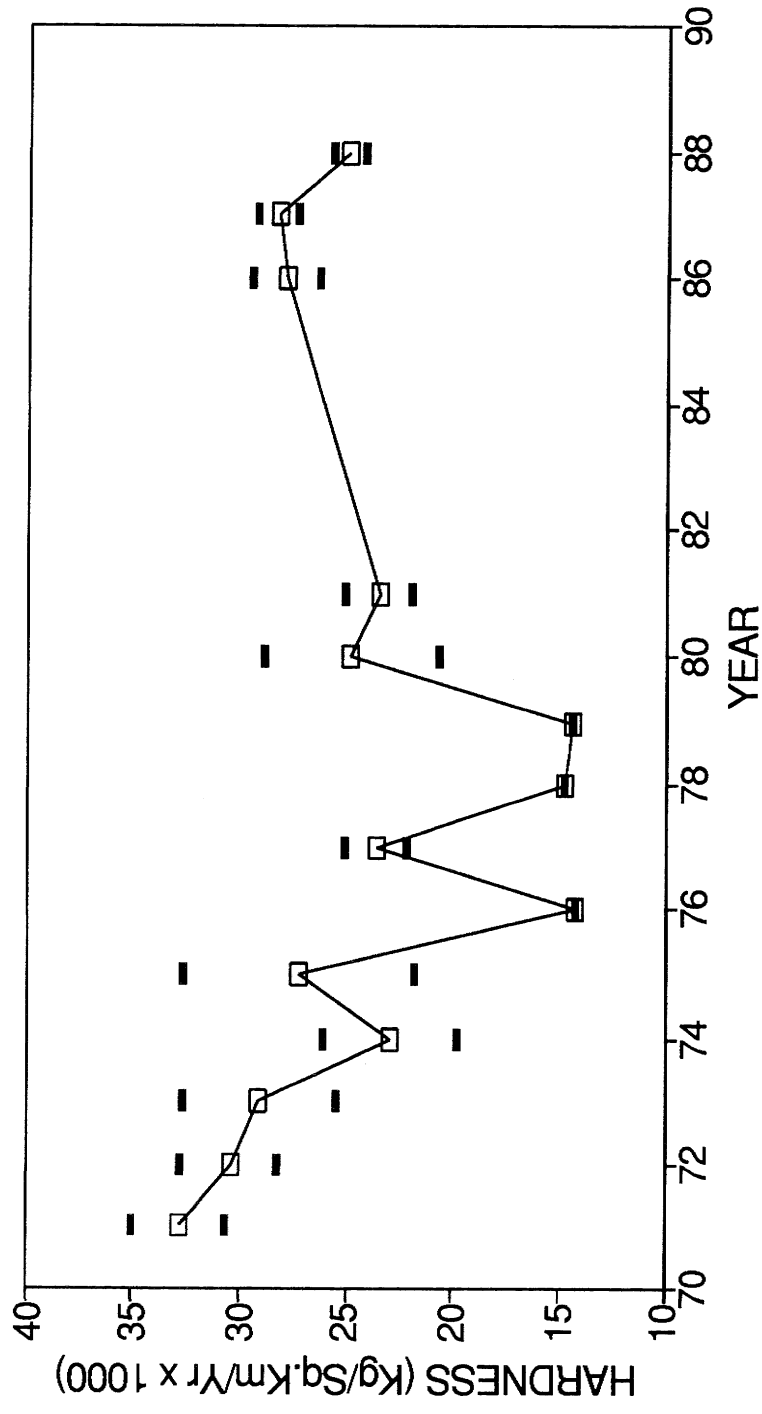


QUINSAM RIVER

EXPORT COEFFICIENTS: Potassium



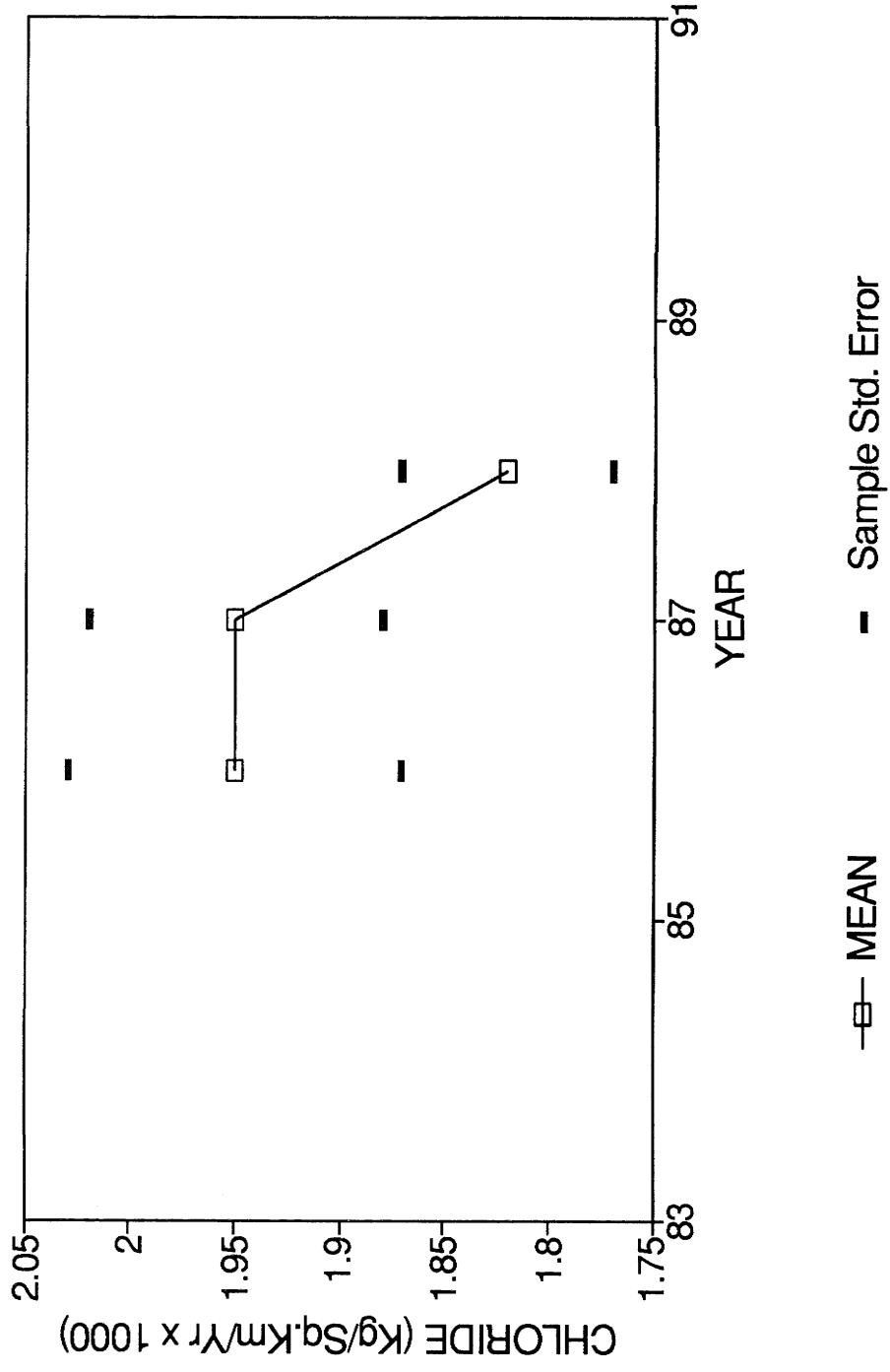
QUINSAM RIVER EXPORT COEFFICIENTS: Hardness



—□— MEAN - Sample Std. Error

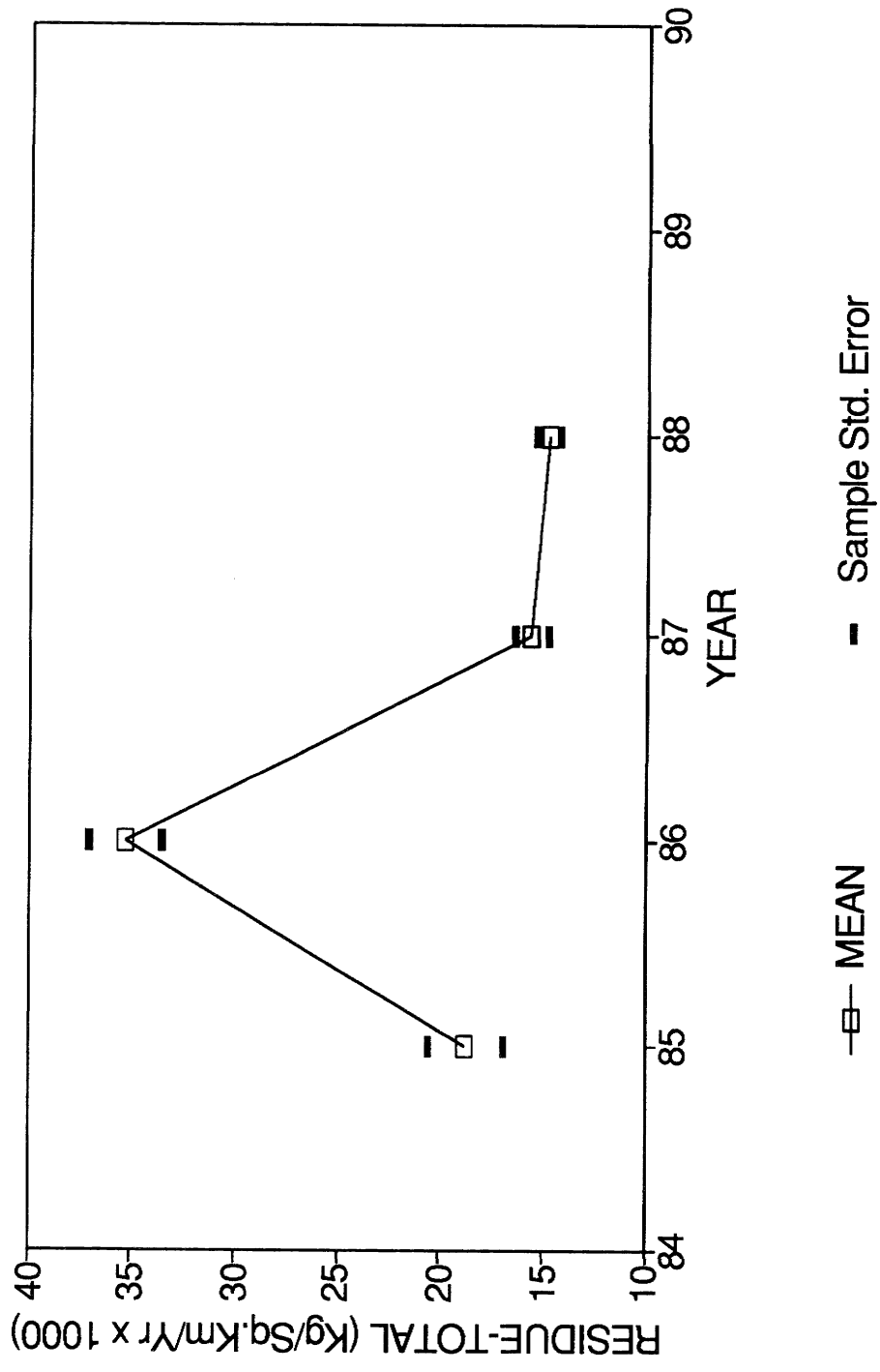
QUINSAM RIVER

EXPORT COEFFICIENTS: Chloride

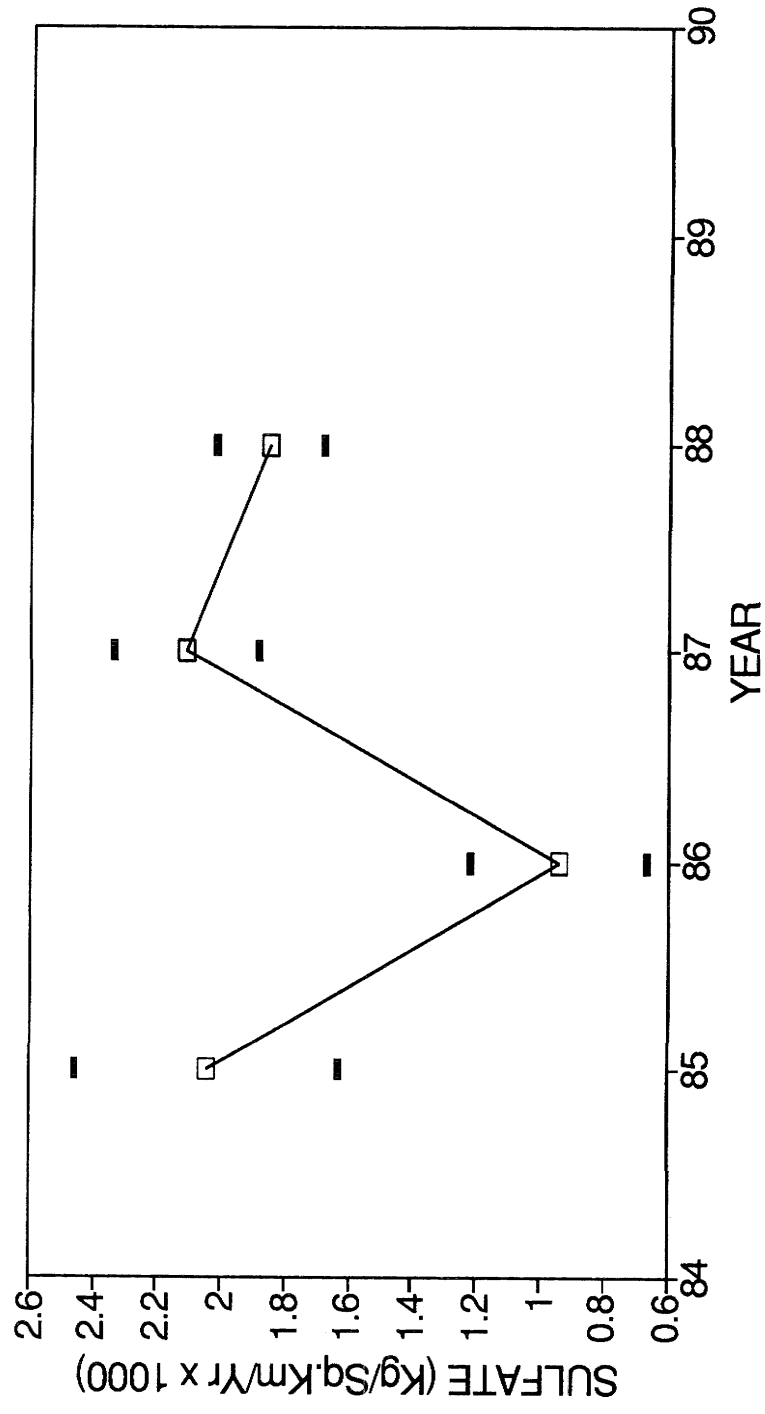


SALMON RIVER

EXPORT COEFFICIENTS: Total Residue

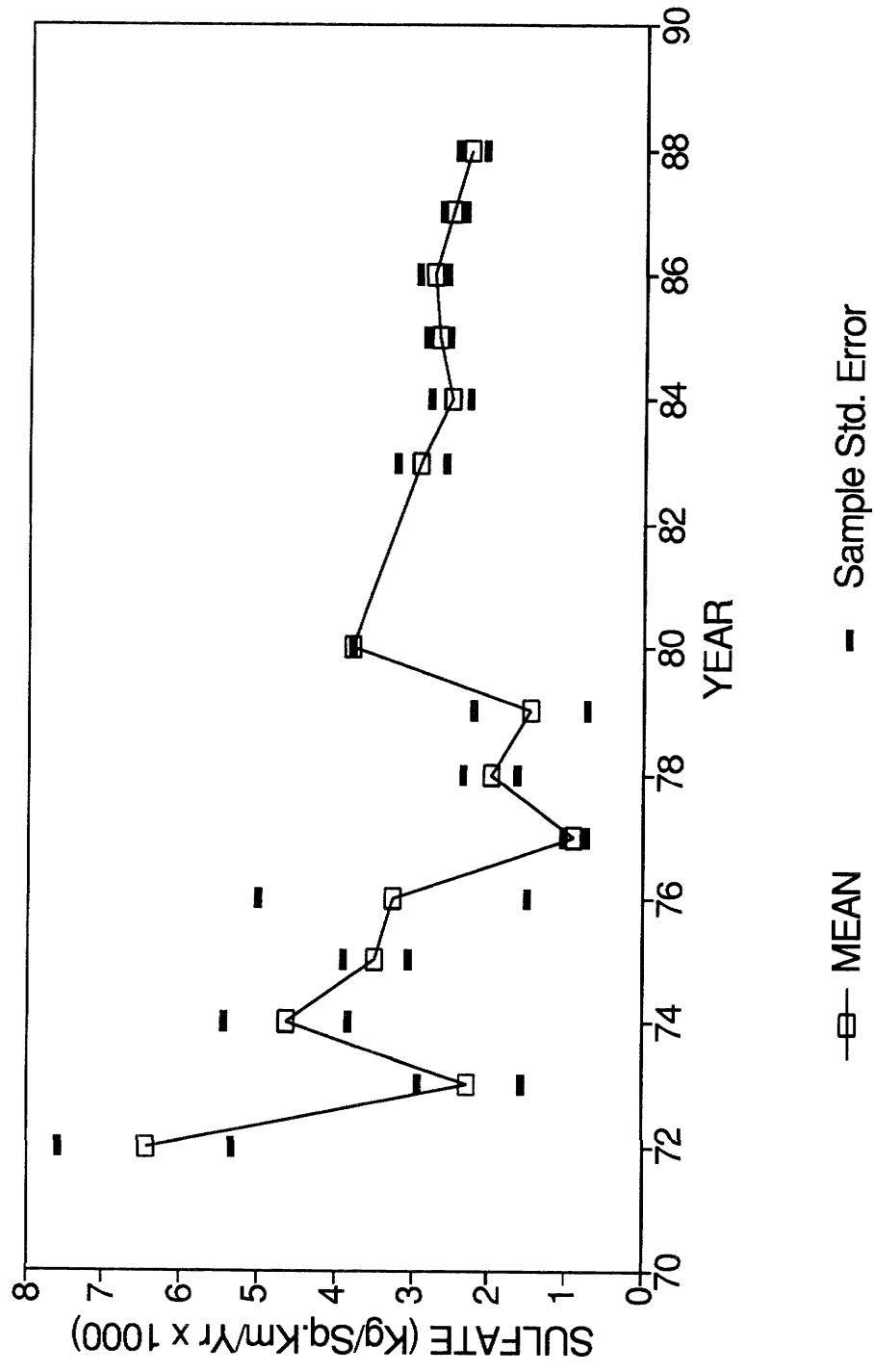


SALMON RIVER EXPORT COEFFICIENTS: Sulfate



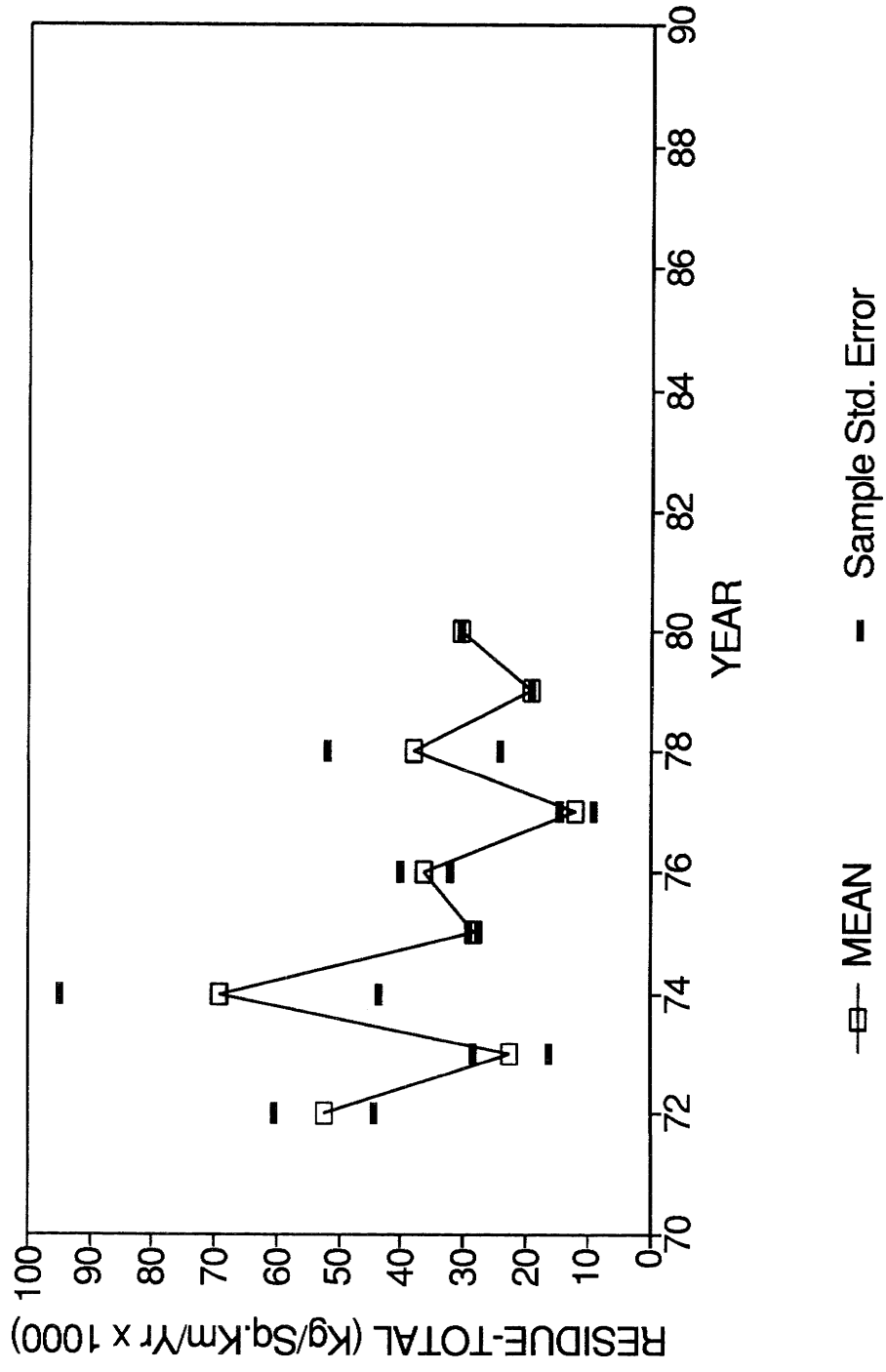
—□— MEAN — Sample Std. Error

SIMILKAMEEN RIVER EXPORT COEFFICIENTS: Sulfate



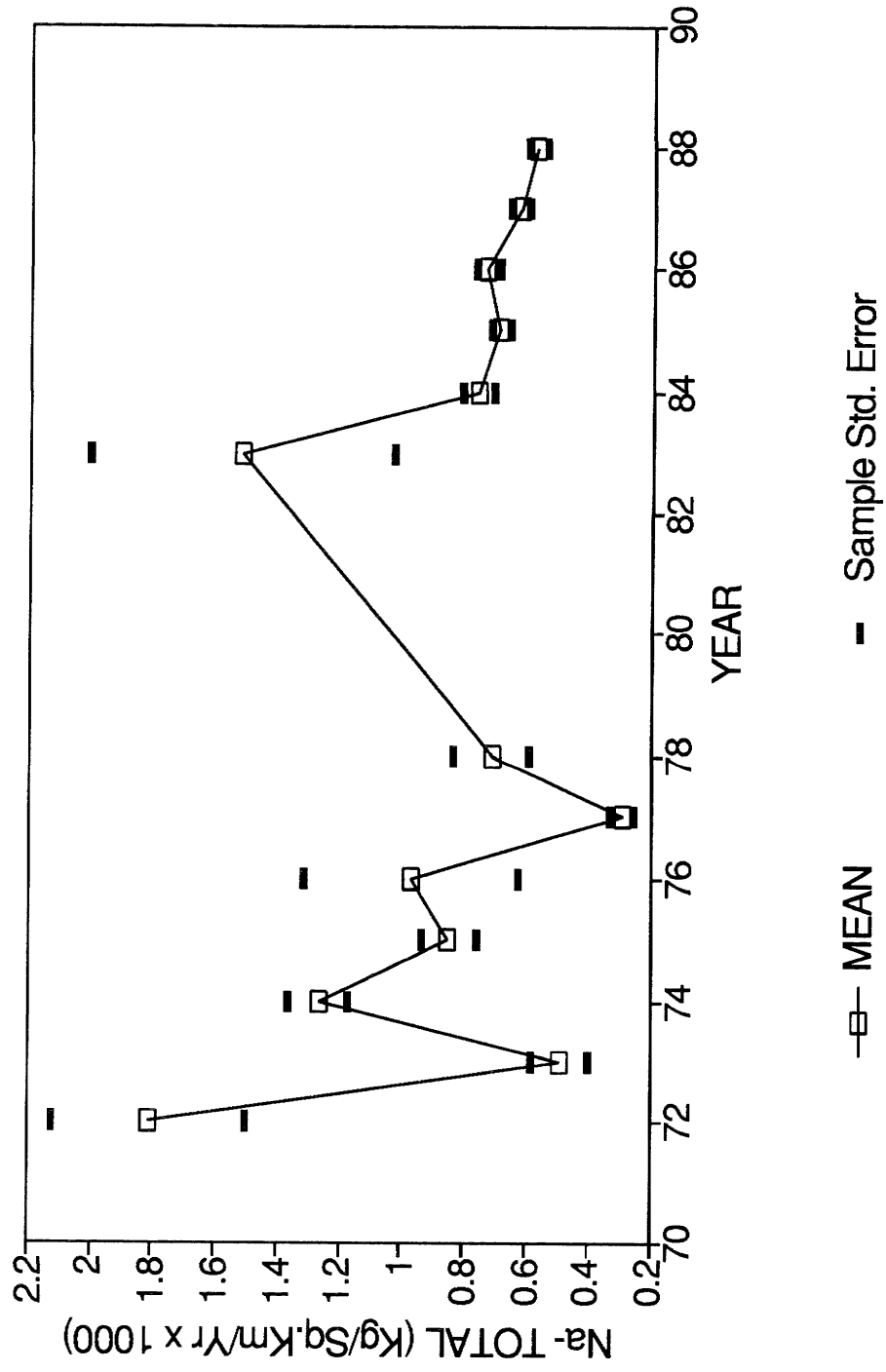
SIMILKAMEEN RIVER

EXPORT COEFFICIENTS: Total Residue



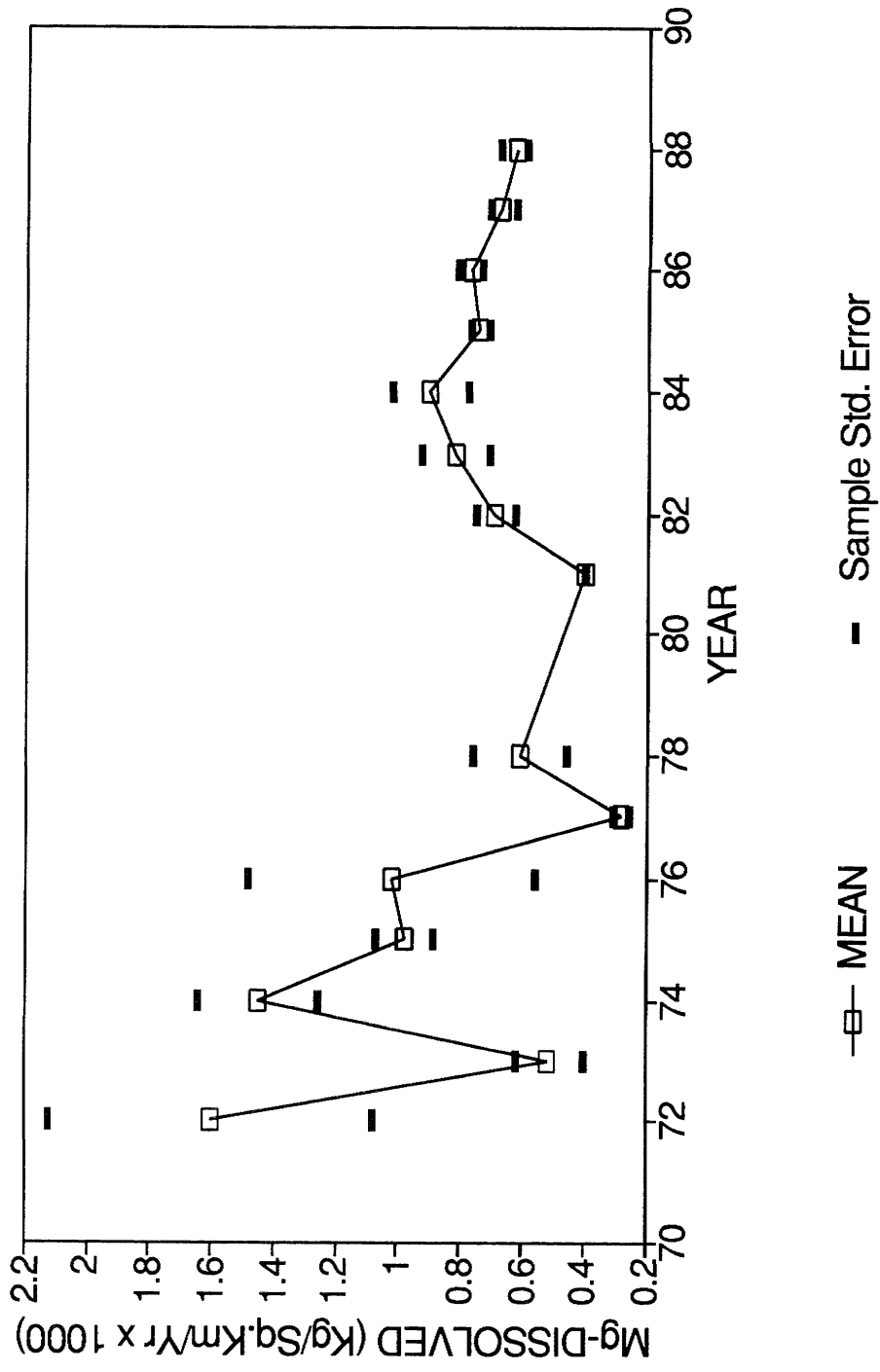
SIMILKAMEEN RIVER

EXPORT COEFFICIENTS: Sodium



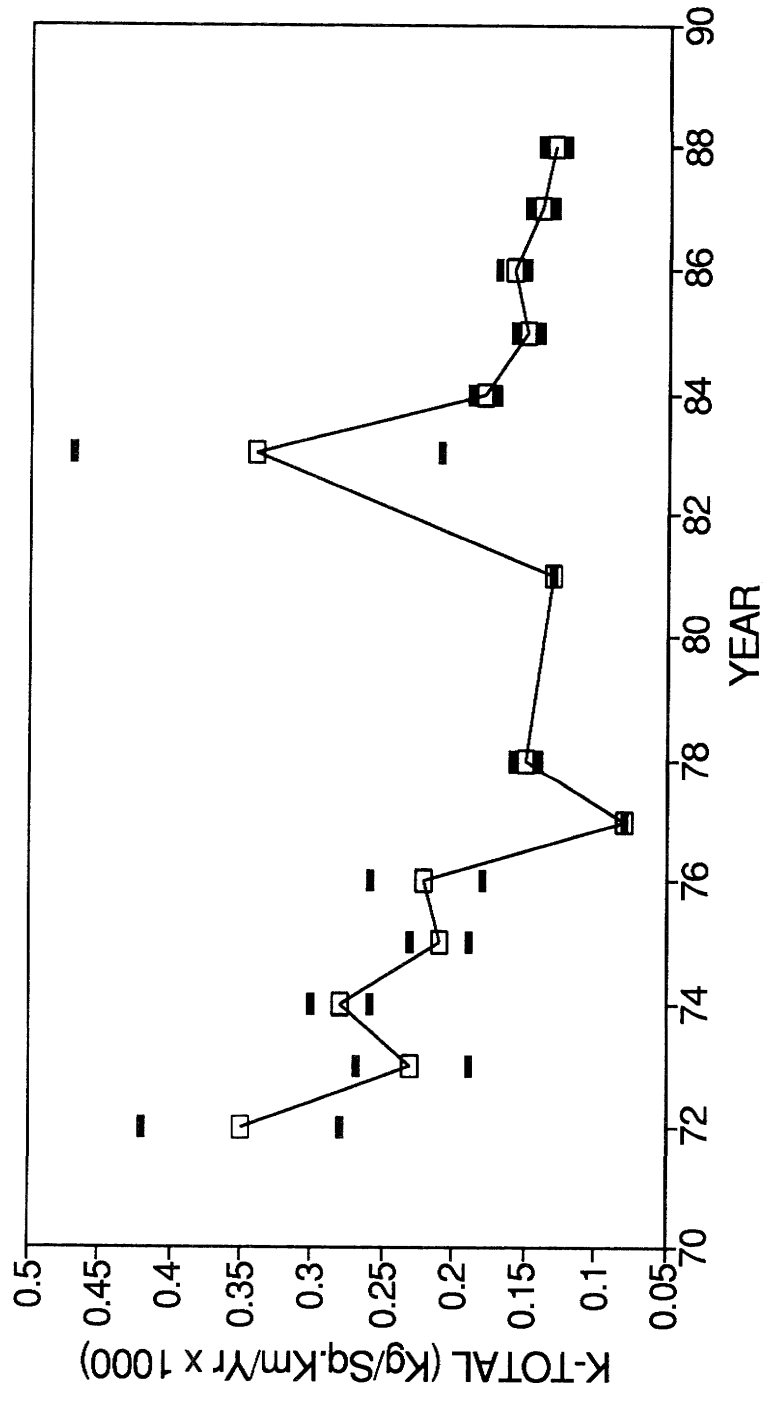
SIMILKAMEEN RIVER

EXPORT COEFFICIENTS: Mg-Dissolved



SIMILKAMEEN RIVER

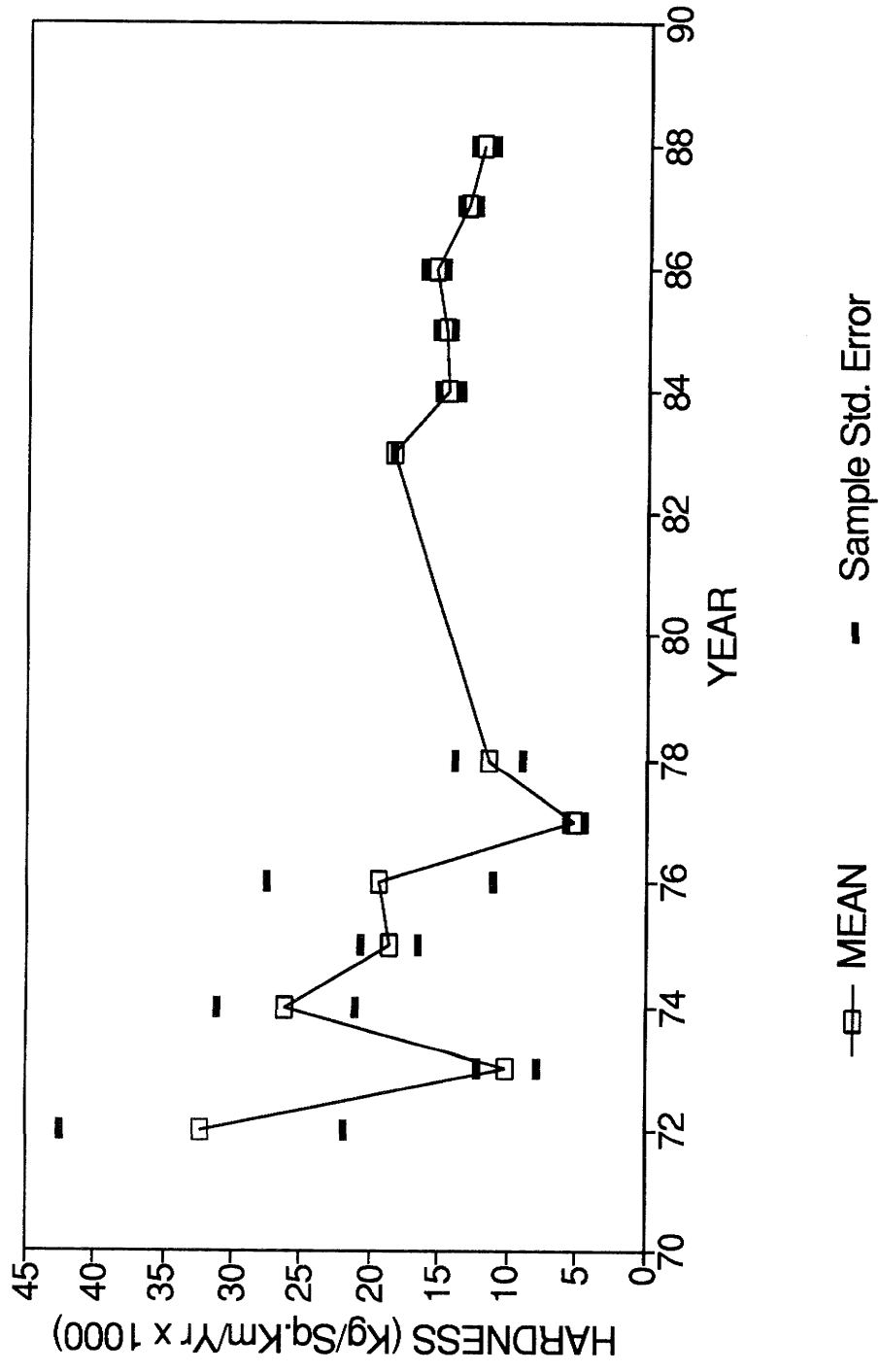
EXPORT COEFFICIENTS: Potassium



—■— MEAN — Sample Std. Error

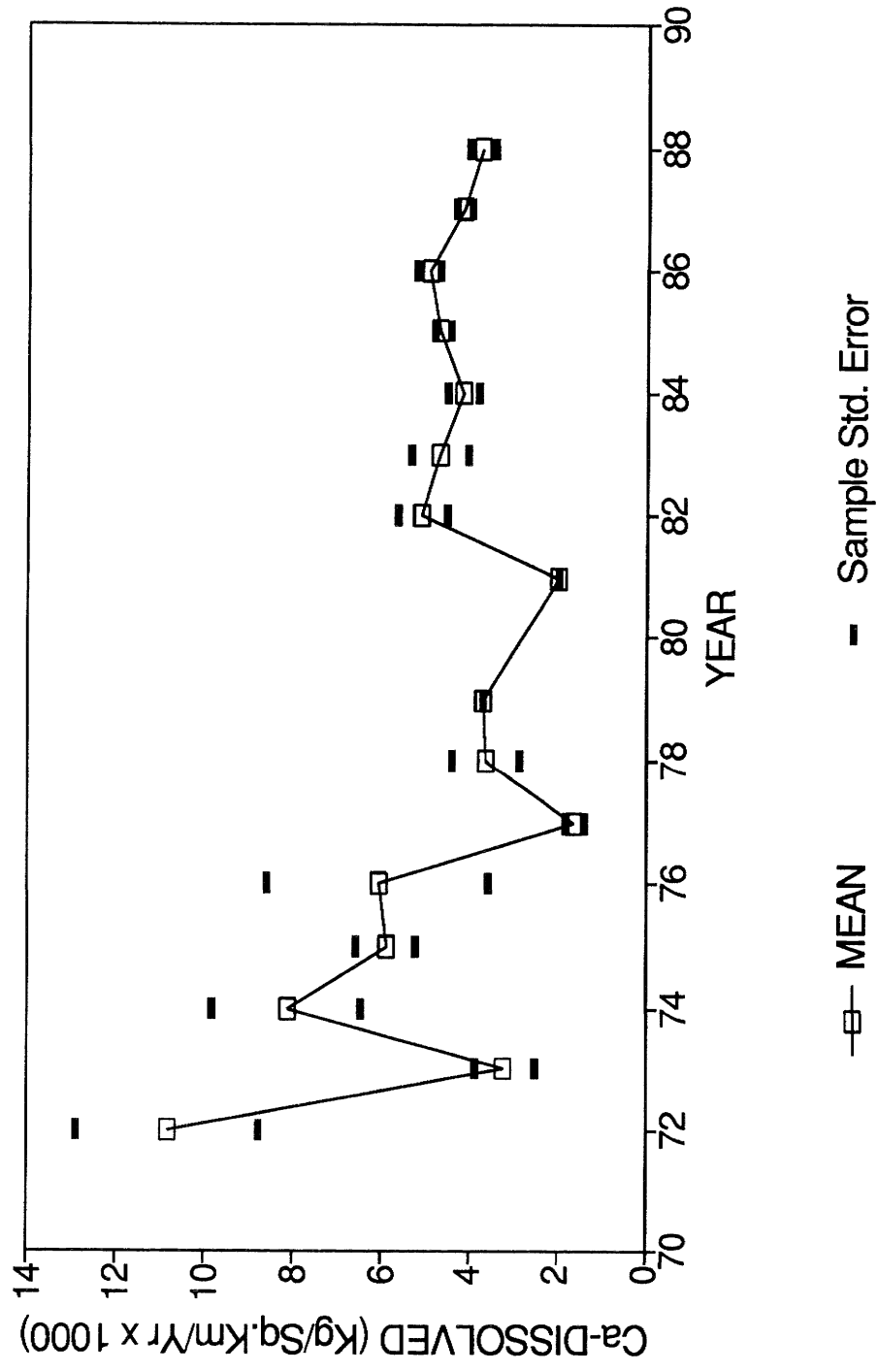
SIMILKAMEEN RIVER

EXPORT COEFFICIENTS: Hardness



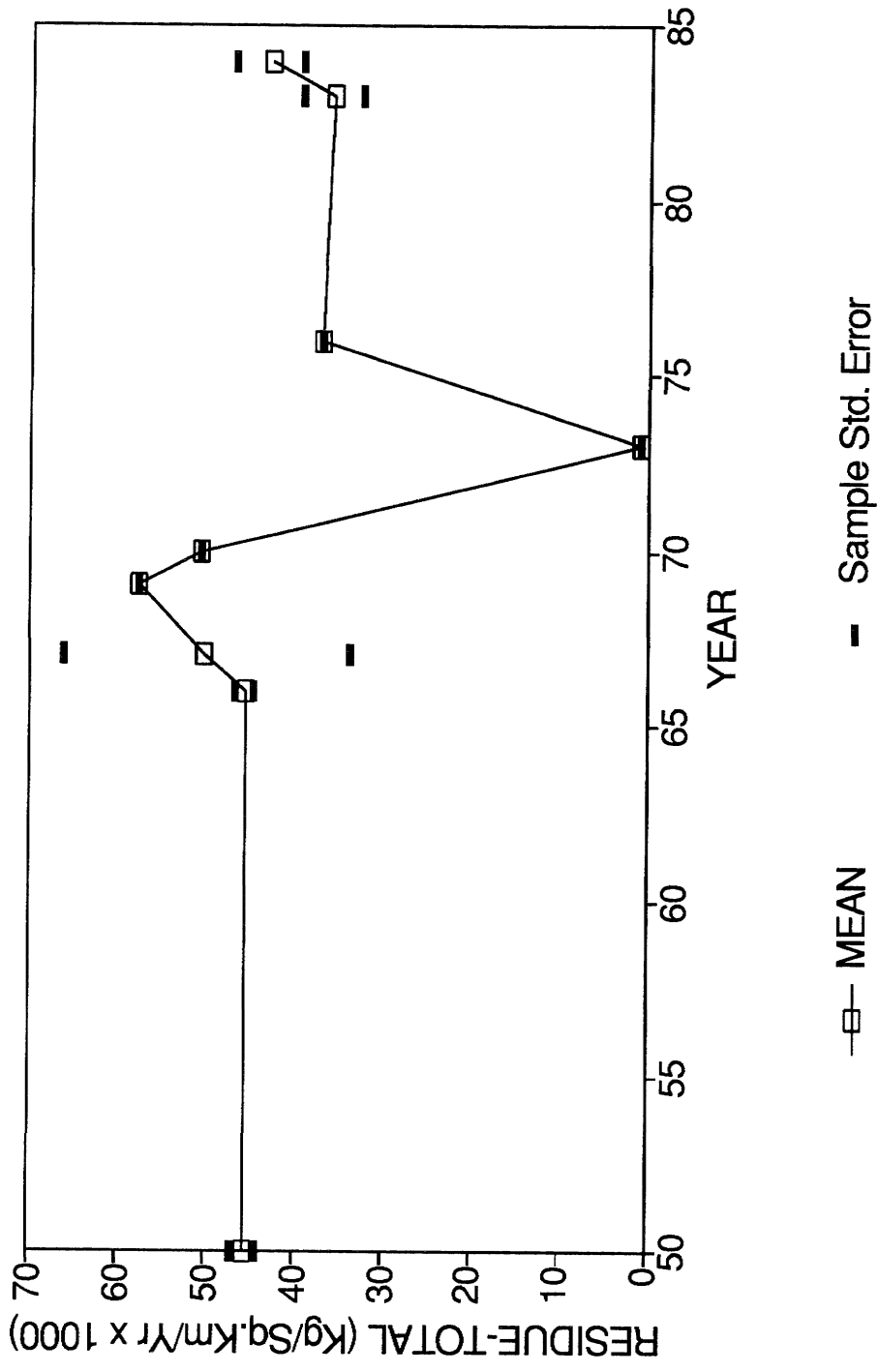
SIMILKAMEEN RIVER

EXPORT COEFFICIENTS: Dissolved Calcium

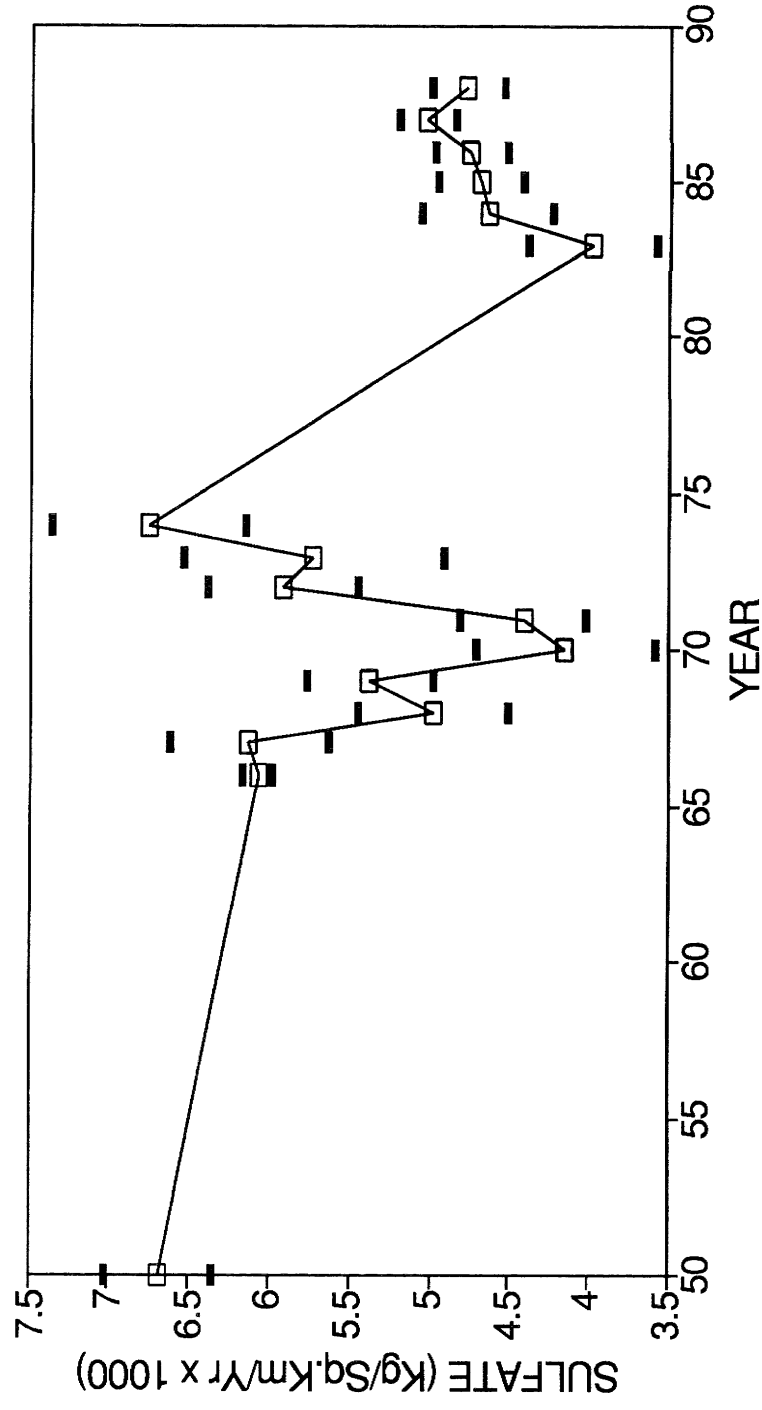


SKEENA RIVER

EXPORT COEFFICIENTS: Total Residue

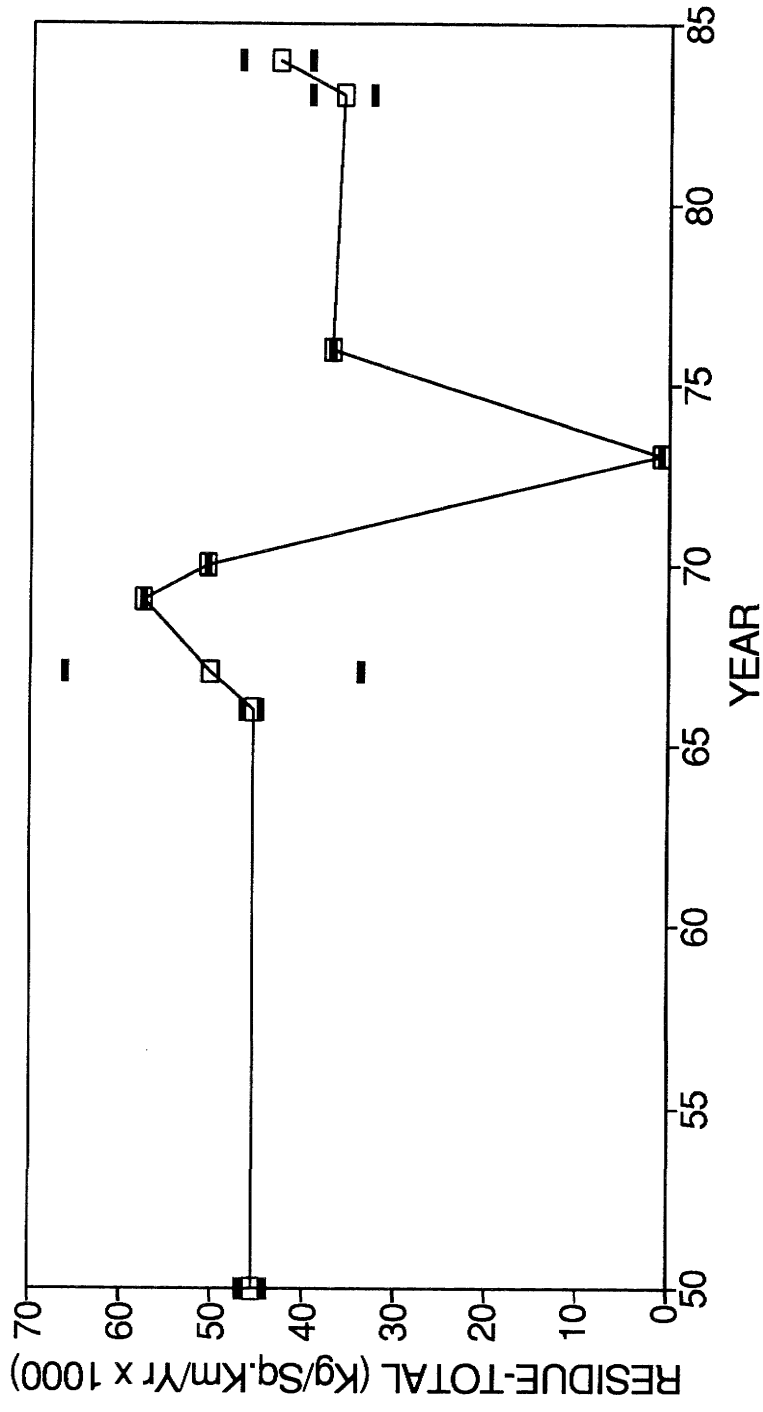


SKEENA RIVER EXPORT COEFFICIENTS: Sulfate



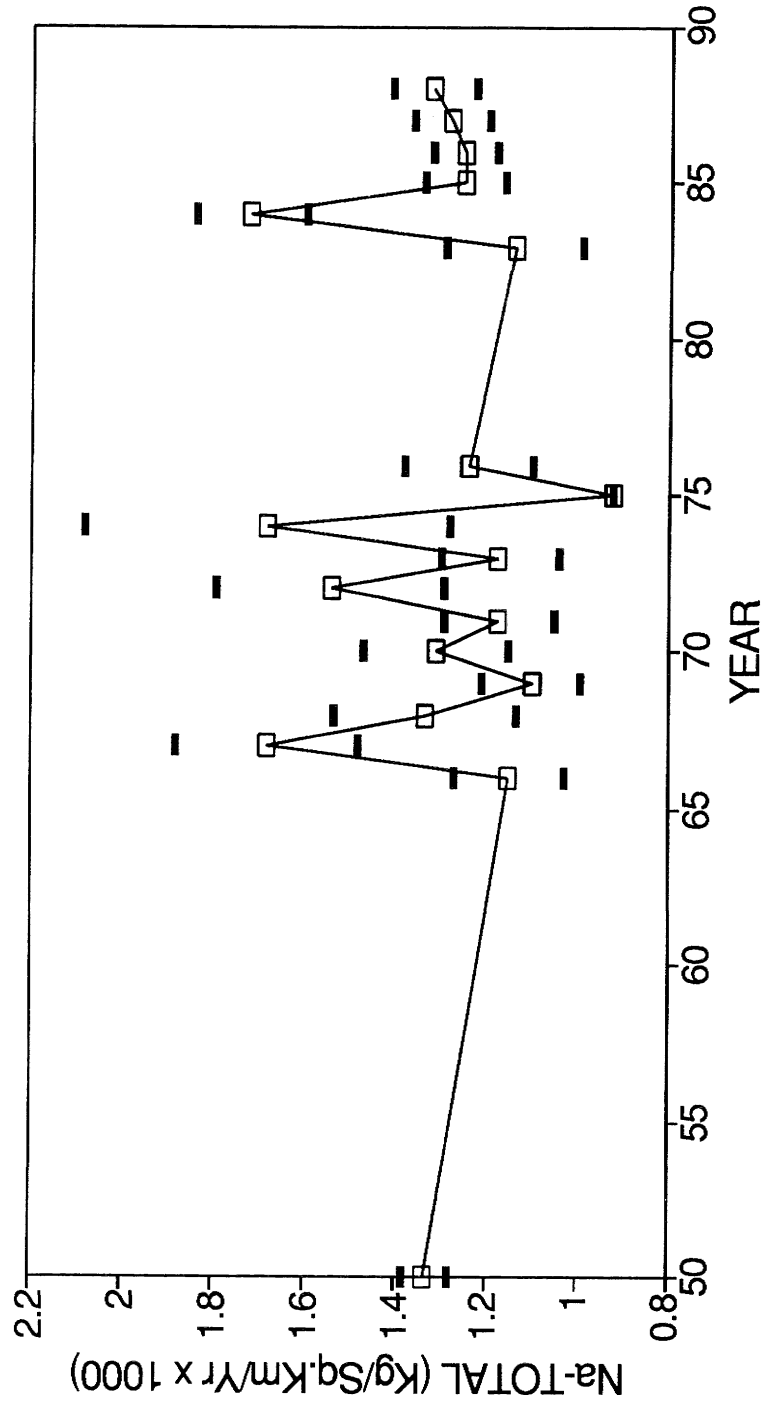
SKEENA RIVER

EXPORT COEFFICIENTS: Total Residue



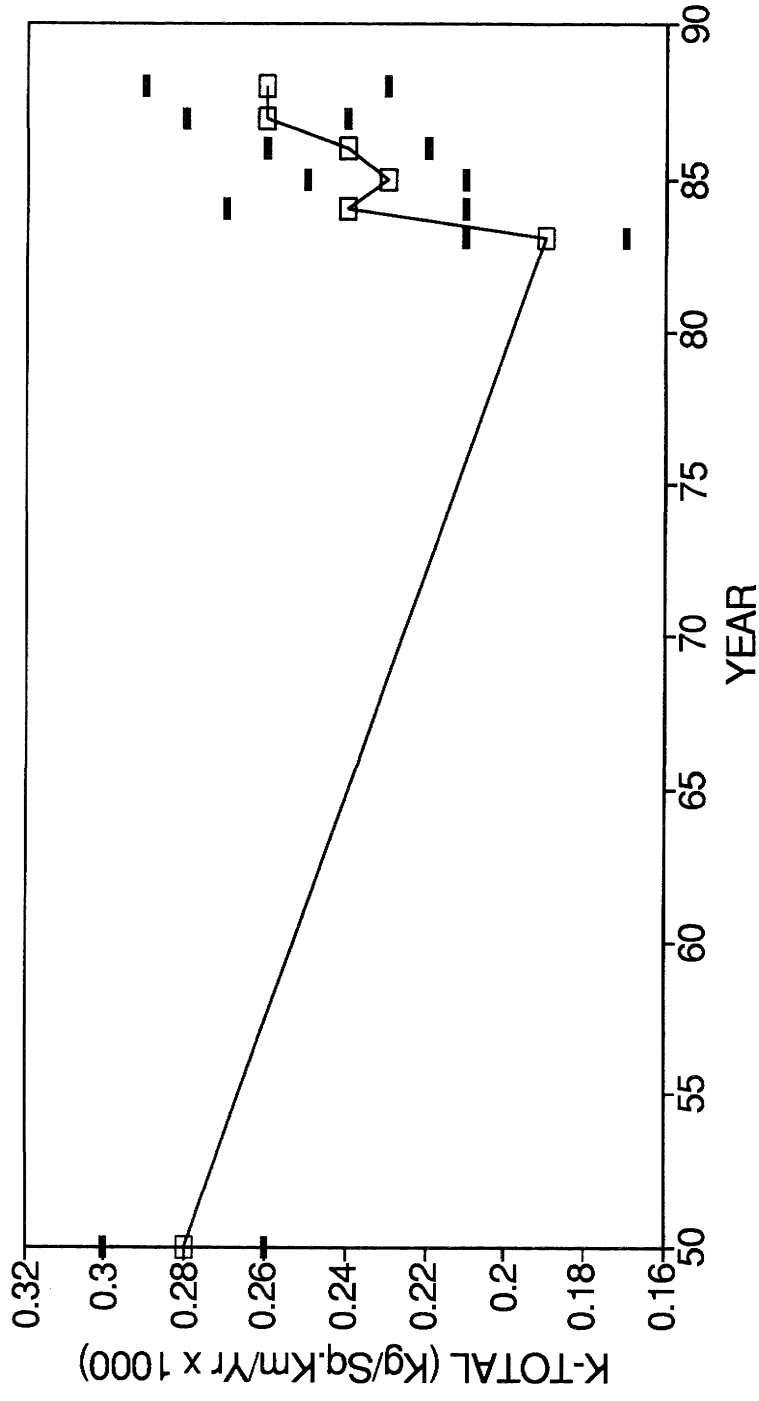
—■— MEAN — Sample Std. Error

SKEENA RIVER EXPORT COEFFICIENTS: Sodium



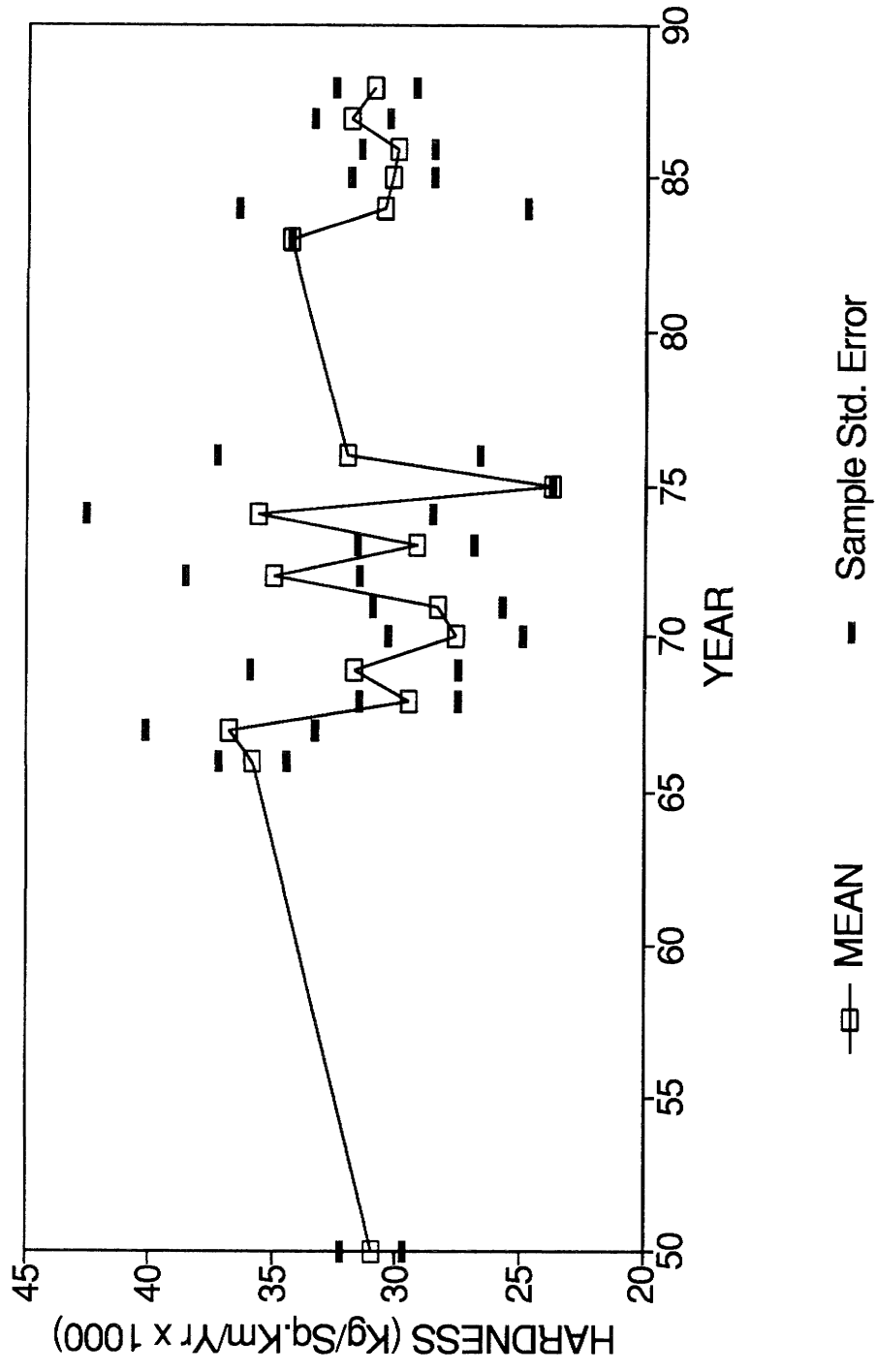
—■— MEAN - - - Sample Std. Error

SKEENA RIVER EXPORT COEFFICIENTS: Potassium

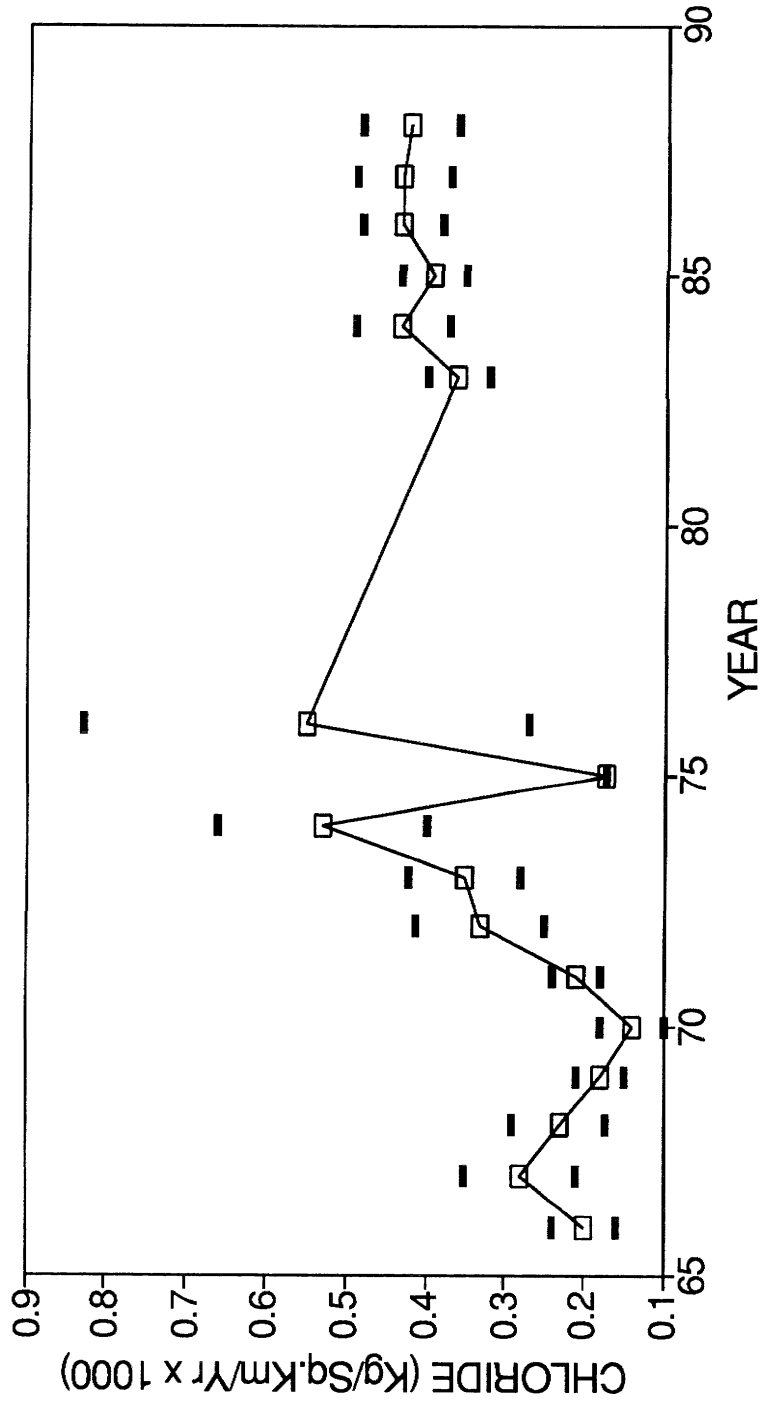


—■— MEAN — Sample Std. Error

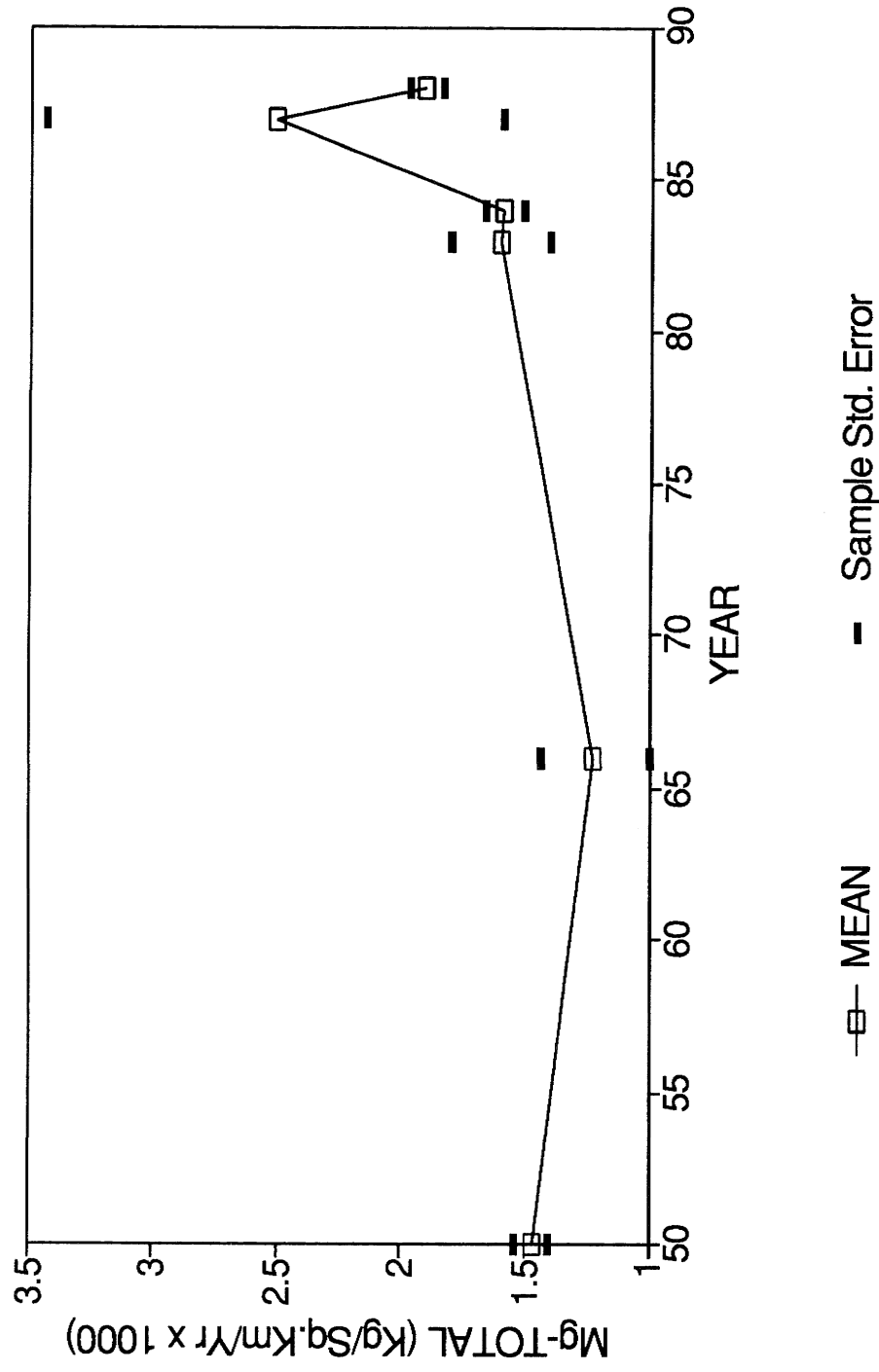
SKEENA RIVER EXPORT COEFFICIENTS: Hardness



SKEENA RIVER EXPORT COEFFICIENTS: Chloride



SKEENA RIVER EXPORT COEFFICIENTS: Mg-Total



SECTION III
STATISTICAL SUMMARIES FOR EXPORT COEFFICIENTS

COLUMBIA RIVER: EXPORT COEFFICIENT SUMMARY

ALL VALUES AS $\text{Kg}(\times 10^3)/\text{Km}^2/\text{Yr}$

----- YEAR=49 -----

N Obs	Variable	N	Mean	Std Error
36	RESIDUE	36	51.47	0.62
	CL	6	0.45	0.14
	HARD	36	40.84	0.63
	SULFATE	36	7.83	0.24
	K	36	0.38	0.01
	NA	36	0.88	0.03

----- YEAR=68 -----

N Obs	Variable	N	Mean	Std Error
16	RESIDUE	5	76.70	11.41
	CL	0	.	.
	HARD	6	51.80	2.05
	SULFATE	6	9.28	1.07
	K	6	0.58	0.06
	NA	6	0.92	0.11

----- YEAR=69 -----

N Obs	Variable	N	Mean	Std Error
34	RESIDUE	11	70.72	4.05
	CL	0	.	.
	HARD	12	55.29	1.23
	SULFATE	12	9.92	0.43
	K	12	0.66	0.06
	NA	12	1.29	0.07

----- YEAR=70 -----

N Obs	Variable	N	Mean	Std Error
28	RESIDUE	10	50.64	3.55
	CL	0	.	.
	HARD	10	39.84	0.92
	SULFATE	10	8.38	0.53
	K	10	0.49	0.08
	NA	9	0.80	0.07

----- YEAR=71 -----

N Obs	Variable	N	Mean	Std Error
30	RESIDUE	10	57.08	4.15
	CL	0	.	.
	HARD	10	52.17	1.41
	SULFATE	10	9.51	0.53
	K	10	0.53	0.06
	NA	10	1.19	0.16

----- YEAR=72 -----

N Obs	Variable	N	Mean	Std Error
16	RESIDUE	9	74.43	4.13
	CL	7	0.73	0.07
	HARD	9	58.90	2.35
	SULFATE	9	9.81	1.00
	K	9	0.61	0.03
	NA	9	1.30	0.07

----- YEAR=73 -----

N Obs	Variable	N	Mean	Std Error
23	RESIDUE	7	44.66	1.28
	CL	11	0.53	0.09
	HARD	11	36.37	1.00
	SULFATE	11	5.95	0.26
	K	11	0.43	0.02
	NA	8	0.88	0.06

----- YEAR=74 -----

N Obs	Variable	N	Mean	Std Error
4	RESIDUE	2	67.22	2.99
	CL	2	0.82	0.15
	HARD	2	53.92	1.34
	SULFATE	2	9.15	0.78
	K	2	0.52	0.00
	NA	2	1.27	0.22

----- YEAR=75 -----

N Obs	Variable	N	Mean	Std Error
19	RESIDUE	10	45.53	1.85
	CL	2	0.65	0.03
	HARD	10	36.37	1.64
	SULFATE	2	5.87	0.03
	K	0	.	.
	NA	0	.	.

----- YEAR=76 -----

N Obs	Variable	N	Mean	Std Error
26	RESIDUE	7	66.20	3.28
	CL	9	0.73	0.07
	HARD	14	51.22	2.06
	SULFATE	5	7.50	0.52
	K	0	.	.
	NA	0	.	.

----- YEAR=77 -----

N Obs	Variable	N	Mean	Std Error
30	RESIDUE	12	48.16	1.43
	CL	1	0.37	.
	HARD	13	37.32	0.72
	SULFATE	0	.	.
	K	0	.	.
	NA	0	.	.

----- YEAR=78 -----

N Obs	Variable	N	Mean	Std Error
24	RESIDUE	11	48.76	1.89
	CL	0	.	.
	HARD	11	39.26	1.75
	SULFATE	0	.	.
	K	0	.	.
	NA	0	.	.

----- YEAR=79 -----

N Obs	Variable	N	Mean	Std Error
6	RESIDUE	3	54.80	1.59
	CL	0	.	.
	HARD	3	41.36	0.76
	SULFATE	0	.	.
	K	0	.	.
	NA	0	.	.

----- YEAR=83 -----

N Obs	Variable	N	Mean	Std Error
27	RESIDUE	0	.	.
	CL	13	0.58	0.03
	HARD	13	42.80	0.78
	SULFATE	13	6.03	0.14
	K	13	0.41	0.01
	NA	13	1.01	0.05

----- YEAR=84 -----

N Obs	Variable	N	Mean	Std Error
4	RESIDUE	0	.	.
	CL	2	0.29	0.03
	HARD	2	40.13	2.80
	SULFATE	2	5.21	0.13
	K	2	0.35	0.03
	NA	2	0.48	0.10

----- YEAR=85 -----

N Obs	Variable	N	Mean	Std Error
59	RESIDUE	0	.	.
	CL	33	0.52	0.02
	HARD	33	43.36	0.56
	SULFATE	33	6.22	0.08
	K	33	0.39	0.01
	NA	33	0.83	0.03

----- YEAR=86 -----

N Obs	Variable	N	Mean	Std Error
26	RESIDUE	0	.	.
	CL	25	0.69	0.03
	HARD	25	44.52	0.76
	SULFATE	25	6.49	0.12
	K	25	0.34	0.01
	NA	25	0.93	0.03

----- YEAR=87 -----

N Obs	Variable	N	Mean	Std Error
58	RESIDUE	0	.	.
	CL	34	0.68	0.04
	HARD	32	44.02	0.66
	SULFATE	34	7.02	0.12
	K	34	0.41	0.01
	NA	34	0.95	0.05

----- YEAR=88 -----

N Obs	Variable	N	Mean	Std Error
48	RESIDUE	0	.	.
	CL	25	0.54	0.03
	HARD	23	42.74	0.85
	SULFATE	25	6.54	0.16
	K	24	0.38	0.01
	NA	25	0.94	0.05

ELK RIVER: EXPORT COEFFICIENT SUMMARY

ALL VALUES AS $\text{Kg}(\times 10^3)/\text{Km}^2/\text{Yr}$

----- YEAR=68 -----

N Obs	Variable	N	Mean	Std Error
9	RES_T	3	100.37	5.24
	RES_F	3	93.33	7.13
	CL	0	.	.
	HARD	0	.	.
	SULFATE	3	10.52	0.78
	CA_D	0	.	.
	CA_T	3	22.11	0.27
	K	3	0.38	0.06
	MG_D	3	6.28	0.20
	MG_T	0	.	.
	NA	3	1.14	0.16

----- YEAR=69 -----

N Obs	Variable	N	Mean	Std Error
14	RES_T	5	165.49	31.05
	RES_F	4	100.88	9.68
	CL	0	.	.
	HARD	0	.	.
	SULFATE	6	15.01	2.50
	CA_D	0	.	.
	CA_T	5	22.87	1.88
	K	6	0.48	0.02
	MG_D	6	7.62	1.20
	MG_T	0	.	.
	NA	6	1.26	0.17

----- YEAR=70 -----

N Obs	Variable	N	Mean	Std Error
21	RES_T	9	88.32	7.40
	RES_F	9	70.26	3.99
	CL	0	.	.
	HARD	0	.	.
	SULFATE	9	8.96	0.89
	CA_D	0	.	.
	CA_T	9	17.25	1.03
	K	9	0.35	0.04
	MG_D	6	4.22	0.40
	MG_T	0	.	.
	NA	9	0.82	0.10

----- YEAR=71 -----

N Obs	Variable	N	Mean	Std Error
21	RES_T	7	120.86	5.86
	RES_F	8	102.66	6.90
	CL	0	.	.
	HARD	0	.	.
	SULFATE	11	14.33	1.22
	CA_D	5	26.46	1.10
	CA_T	6	26.43	2.18
	K	11	0.39	0.04
	MG_D	0	.	.
	MG_T	0	.	.
	NA	11	1.39	0.23

----- YEAR=72 -----

N Obs	Variable	N	Mean	Std Error
22	RES_T	13	142.23	2.48
	RES_F	13	128.83	4.84
	CL	12	0.97	0.13
	HARD	13	114.59	5.00
	SULFATE	13	15.66	1.35
	CA_D	13	31.94	1.19
	CA_T	0	.	.
	K	13	0.51	0.14
	MG_D	4	8.98	1.01
	MG_T	0	.	.
	NA	5	1.45	0.15

----- YEAR=73 -----

N Obs	Variable	N	Mean	Std Error
22	RES_T	11	89.23	2.07
	RES_F	11	82.80	2.54
	CL	11	0.60	0.05
	HARD	11	73.58	2.80
	SULFATE	11	10.41	0.67
	CA_D	11	20.40	0.78
	CA_T	0	.	.
	K	11	0.23	0.01
	MG_D	11	5.48	0.23
	MG_T	0	.	.
	NA	0	.	.

----- YEAR=74 -----

N Obs	Variable	N	Mean	Std Error
21	RES_T	11	160.93	5.95
	RES_F	11	140.51	4.89
	CL	10	0.95	0.09
	HARD	11	124.55	4.31
	SULFATE	10	16.98	1.57
	CA_D	11	34.45	1.16
	CA_T	0	.	.
	K	10	0.38	0.01
	MG_D	10	9.35	0.39
	MG_T	0	.	.
	NA	9	1.43	0.15

----- YEAR=75 -----

N Obs	Variable	N	Mean	Std Error
26	RES_T	13	132.48	18.59
	RES_F	12	98.08	5.00
	CL	11	0.79	0.09
	HARD	11	85.08	4.91
	SULFATE	11	11.57	1.46
	CA_D	11	24.04	1.32
	CA_T	0	.	.
	K	11	0.27	0.01
	MG_D	11	6.07	0.40
	MG_T	0	.	.
	NA	1	1.39	.

----- YEAR=76 -----

N Obs	Variable	N	Mean	Std Error
24	RES_T	11	122.57	10.43
	RES_F	11	98.88	5.86
	CL	11	0.82	0.09
	HARD	11	86.03	5.09
	SULFATE	11	11.06	1.41
	CA_D	11	23.93	1.27
	CA_T	0	.	.
	K	11	0.28	0.01
	MG_D	11	6.37	0.47
	MG_T	0	.	.
	NA	0	.	.

----- YEAR=77 -----

N Obs	Variable	N	Mean	Std Error
19	RES_T	11	64.04	4.90
	RES_F	10	49.75	2.44
	CL	10	0.37	0.04
	HARD	11	42.31	2.16
	SULFATE	10	5.55	0.62
	CA_D	11	11.72	0.58
	CA_T	0	.	.
	K	10	0.13	0.01
	MG_D	11	3.16	0.17
	MG_T	0	.	.
	NA	0	.	.

----- YEAR=78 -----

N Obs	Variable	N	Mean	Std Error
11	RES_T	11	123.45	15.33
	RES_F	11	83.15	4.67
	CL	0	.	.
	HARD	11	71.78	4.81
	SULFATE	0	.	.
	CA_D	11	20.09	1.26
	CA_T	0	.	.
	K	0	.	.
	MG_D	11	5.24	0.40
	MG_T	0	.	.
	NA	0	.	.

----- YEAR=79 -----

N Obs	Variable	N	Mean	Std Error
12	RES_T	12	83.06	5.84
	RES_F	12	67.38	3.70
	CL	11	0.68	0.13
	HARD	12	55.16	3.60
	SULFATE	0	.	.
	CA_D	12	14.97	1.07
	CA_T	0	.	.
	K	11	0.18	0.01
	MG_D	12	4.31	0.32
	MG_T	0	.	.
	NA	11	0.87	0.08

----- YEAR=80 -----

N Obs	Variable	N	Mean	Std Error
12	RES_T	11	92.16	3.64
	RES_F	11	80.91	4.86
	CL	12	0.81	0.13
	HARD	12	72.86	4.71
	SULFATE	0	.	.
	CA_D	12	20.43	1.31
	CA_T	0	.	.
	K	12	0.22	0.01
	MG_D	12	5.31	0.37
	MG_T	0	.	.
	NA	12	1.08	0.11

----- YEAR=81 -----

N Obs	Variable	N	Mean	Std Error
11	RES_T	10	121.00	5.54
	RES_F	10	102.83	4.82
	CL	10	1.12	0.20
	HARD	10	91.09	4.98
	SULFATE	0	.	.
	CA_D	10	25.52	1.31
	CA_T	0	.	.
	K	10	0.28	0.02
	MG_D	10	6.63	0.45
	MG_T	0	.	.
	NA	10	1.32	0.18

----- YEAR=82 -----

N Obs	Variable	N	Mean	Std Error
16	RES_T	2	107.55	0.51
	RES_F	8	85.04	5.22
	CL	4	0.98	0.31
	HARD	1	75.65	.
	SULFATE	0	.	.
	CA_D	1	15.54	.
	CA_T	6	23.85	1.14
	K	3	0.21	0.03
	MG_D	1	4.22	.
	MG_T	6	5.60	0.49
	NA	4	0.99	0.26

----- YEAR=83 -----

N Obs	Variable	N	Mean	Std Error
17	RES_T	0	.	.
	RES_F	9	78.44	4.51
	CL	1	1.15	.
	HARD	0	.	.
	SULFATE	0	.	.
	CA_D	1	15.05	.
	CA_T	9	19.47	0.81
	K	1	0.24	.
	MG_D	1	3.16	.
	MG_T	9	4.96	0.25
	NA	1	1.35	.

----- YEAR=84 -----

N Obs	Variable	N	Mean	Std Error
18	RES_T	0	.	.
	RES_F	3	72.22	4.06
	CL	0	.	.
	HARD	0	.	.
	SULFATE	0	.	.
	CA_D	1	13.19	.
	CA_T	9	17.57	0.69
	K	0	.	.
	MG_D	1	3.29	.
	MG_T	9	4.75	0.22
	NA	0	.	.

----- YEAR=85 -----

N Obs	Variable	N	Mean	Std Error
28	RES_T	0	.	.
	RES_F	0	.	.
	CL	15	0.80	0.06
	HARD	15	71.44	2.52
	SULFATE	15	10.24	0.60
	CA_D	15	20.21	0.70
	CA_T	11	19.90	0.95
	K	15	0.19	0.01
	MG_D	15	5.09	0.19
	MG_T	11	5.30	0.29
	NA	15	0.86	0.05

----- YEAR=86 -----

N Obs	Variable	N	Mean	Std Error
34	RES_T	0	.	.
	RES_F	10	88.82	3.97
	CL	32	0.93	0.06
	HARD	22	85.03	2.27
	SULFATE	32	11.72	0.61
	CA_D	31	23.54	0.55
	CA_T	12	26.03	1.92
	K	32	0.24	0.01
	MG_D	31	5.87	0.17
	MG_T	12	6.72	0.34
	NA	32	1.04	0.06

----- YEAR=87 -----

N Obs	Variable	N	Mean	Std Error
57	RES_T	0	.	.
	RES_F	1	86.71	.
	CL	36	0.74	0.04
	HARD	23	66.99	1.29
	SULFATE	36	10.59	0.50
	CA_D	34	18.51	0.34
	CA_T	13	19.26	0.62
	K	35	0.18	0.00
	MG_D	34	4.82	0.14
	MG_T	13	5.05	0.24
	NA	36	0.85	0.04

----- YEAR=88 -----

N Obs	Variable	N	Mean	Std Error
58	RES_T	0	.	.
	RES_F	0	.	.
	CL	35	0.82	0.05
	HARD	29	65.78	1.32
	SULFATE	35	11.00	0.50
	CA_D	34	17.87	0.42
	CA_T	3	20.43	0.26
	K	35	0.18	0.01
	MG_D	34	4.81	0.13
	MG_T	3	5.55	0.03
	NA	35	0.91	0.04

FLATHEAD RIVER: EXPORT COEFFICIENT SUMMARY

ALL VALUES AS $\text{Kg}(\times 10^3)/\text{Km}^2/\text{Yr}$

----- YEAR=85 -----

N Obs	Variable	N	Mean	Std Error
37	CL	37	0.28	0.01
	HARD	37	86.17	2.22
	SULFATE	37	3.33	0.12
	CA_T	37	26.02	0.64
	K	37	0.16	0.01
	MG_T	37	5.27	0.16
	NA	37	0.53	0.01

----- YEAR=86 -----

N Obs	Variable	N	Mean	Std Error
54	CL	54	0.34	0.04
	HARD	54	87.65	1.67
	SULFATE	54	3.31	0.12
	CA_T	54	26.41	0.49
	K	54	0.20	0.02
	MG_T	54	5.27	0.11
	NA	54	0.59	0.04

----- YEAR=87 -----

N Obs	Variable	N	Mean	Std Error
53	CL	53	0.20	0.01
	HARD	53	75.90	1.41
	SULFATE	53	2.91	0.07
	CA_T	53	22.70	0.40
	K	53	0.15	0.00
	MG_T	53	4.67	0.10
	NA	53	0.47	0.01

----- YEAR=88 -----

N Obs	Variable	N	Mean	Std Error
47	CL	47	0.17	0.01
	HARD	47	72.67	1.65
	SULFATE	47	22.74	20.12
	CA_T	47	27.24	5.65
	K	47	0.44	0.29
	MG_T	47	4.57	0.12
	NA	47	0.64	0.16

KOOTENAY RIVER: EXPORT COEFFICIENT SUMMARY

ALL VALUES AS $\text{Kg}(\times 10^3)/\text{Km}^2/\text{Yr}$

YEAR=49

N Obs	Variable	N	Mean	Std Error
37	RESIDUE	36	58.50	1.90
	CL	34	0.96	0.06
	HARD	37	46.79	1.64
	SULFATE	37	12.13	0.61
	CA	37	12.45	0.39
	K	37	0.24	0.01
	MG_T	37	3.82	0.18
	NA	37	1.21	0.05

YEAR=71

N Obs	Variable	N	Mean	Std Error
50	RESIDUE	10	72.42	7.90
	CL	6	3.49	0.91
	HARD	6	66.10	8.48
	SULFATE	14	17.76	2.55
	CA	0	.	.
	K	14	0.41	0.04
	MG_T	0	.	.
	NA	14	2.32	0.31

QUINSAM RIVER: EXPORT COEFFICIENT SUMMARY

ALL VALUES AS $\text{Kg}(\times 10^3)/\text{Km}^2/\text{Yr}$

----- YEAR=71 -----

N Obs	Variable	N	Mean	Std Error
3	RES_T	3	52.07	4.81
	RES_F	3	46.93	7.00
	CL	0	.	.
	HARD	3	32.85	2.28
	SULFATE	3	4.33	0.64
	CA_D	0	.	.
	CA_T	0	.	.
	K	0	.	.
	MG_D	0	.	.
	MG_T	0	.	.
	NA	0	.	.

----- YEAR=72 -----

N Obs	Variable	N	Mean	Std Error
6	RES_T	4	58.62	5.48
	RES_F	4	48.75	2.32
	CL	0	.	.
	HARD	4	30.47	2.29
	SULFATE	4	4.85	0.96
	CA_D	0	.	.
	CA_T	0	.	.
	K	0	.	.
	MG_D	0	.	.
	MG_T	0	.	.
	NA	0	.	.

----- YEAR=73 -----

N Obs	Variable	N	Mean	Std Error
7	RES_T	4	51.07	3.01
	RES_F	0	.	.
	CL	0	.	.
	HARD	4	29.08	3.65
	SULFATE	4	5.11	0.00
	CA_D	4	8.68	1.06
	CA_T	0	.	.
	K	0	.	.
	MG_D	4	1.80	0.26
	MG_T	0	.	.
	NA	0	.	.

----- YEAR=74 -----

N Obs	Variable	N	Mean	Std Error
4	RES_T	2	47.77	2.17
	RES_F	0	.	.
	CL	0	.	.
	HARD	2	22.91	3.15
	SULFATE	2	5.43	0.00
	CA_D	2	6.79	1.25
	CA_T	0	.	.
	K	0	.	.
	MG_D	2	1.46	0.01
	MG_T	0	.	.
	NA	0	.	.

----- YEAR=75 -----

N Obs	Variable	N	Mean	Std Error
4	RES_T	2	44.53	1.20
	RES_F	0	.	.
	CL	0	.	.
	HARD	2	27.20	5.42
	SULFATE	1	6.02	.
	CA_D	2	8.43	1.68
	CA_T	1	6.74	.
	K	0	.	.
	MG_D	2	1.50	0.30
	MG_T	1	1.20	.
	NA	1	2.05	.

----- YEAR=76 -----

N Obs	Variable	N	Mean	Std Error
3	RES_T	2	32.40	2.70
	RES_F	0	.	.
	CL	0	.	.
	HARD	1	14.24	.
	SULFATE	0	.	.
	CA_D	1	4.25	.
	CA_T	0	.	.
	K	0	.	.
	MG_D	1	0.88	.
	MG_T	0	.	.
	NA	0	.	.

----- YEAR=77 -----

N Obs	Variable	N	Mean	Std Error
2	RES_T	2	43.54	0.82
	RES_F	0	.	.
	CL	0	.	.
	HARD	2	23.62	1.44
	SULFATE	0	.	.
	CA_D	2	7.15	0.58
	CA_T	0	.	.
	K	0	.	.
	MG_D	2	1.40	0.00
	MG_T	0	.	.
	NA	0	.	.

----- YEAR=78 -----

N Obs	Variable	N	Mean	Std Error
1	RES_T	1	35.16	.
	RES_F	0	.	.
	CL	0	.	.
	HARD	1	14.67	.
	SULFATE	0	.	.
	CA_D	1	4.36	.
	CA_T	0	.	.
	K	0	.	.
	MG_D	1	0.92	.
	MG_T	0	.	.
	NA	1	2.60	.

----- YEAR=79 -----

N Obs	Variable	N	Mean	Std Error
2	RES_T	2	41.31	1.72
	RES_F	0	.	.
	CL	0	.	.
	HARD	1	14.37	.
	SULFATE	1	4.30	.
	CA_D	1	4.04	.
	CA_T	0	.	.
	K	0	.	.
	MG_D	1	1.03	.
	MG_T	0	.	.
	NA	0	.	.

----- YEAR=80 -----

N Obs	Variable	N	Mean	Std Error
2	RES_T	2	45.66	0.97
	RES_F	0	.	.
	CL	0	.	.
	HARD	2	24.82	4.13
	SULFATE	1	4.86	.
	CA_D	2	7.63	1.41
	CA_T	1	6.27	.
	K	0	.	.
	MG_D	2	1.41	0.15
	MG_T	1	1.26	.
	NA	0	.	.

----- YEAR=81 -----

N Obs	Variable	N	Mean	Std Error
2	RES_T	2	49.02	10.45
	RES_F	0	.	.
	CL	0	.	.
	HARD	2	23.50	1.57
	SULFATE	1	4.02	.
	CA_D	2	7.03	0.36
	CA_T	1	6.75	.
	K	0	.	.
	MG_D	2	1.45	0.16
	MG_T	1	1.29	.
	NA	1	1.61	.

----- YEAR=83 -----

N Obs	Variable	N	Mean	Std Error
1	RES_T	1	130.47	.
	RES_F	0	.	.
	CL	0	.	.
	HARD	0	.	.
	SULFATE	1	2.23	.
	CA_D	1	5.28	.
	CA_T	1	6.50	.
	K	0	.	.
	MG_D	1	0.86	.
	MG_T	1	1.45	.
	NA	0	.	.

----- YEAR=84 -----

N Obs	Variable	N	Mean	Std Error
1	RES_T	1	42.34	.
	RES_F	0	.	.
	CL	0	.	.
	HARD	0	.	.
	SULFATE	0	.	.
	CA_D	1	8.04	.
	CA_T	1	8.04	.
	K	0	.	.
	MG_D	1	1.71	.
	MG_T	1	1.77	.
	NA	0	.	.

----- YEAR=86 -----

N Obs	Variable	N	Mean	Std Error
28	RES_T	0	.	.
	RES_F	2	39.47	0.92
	CL	25	1.95	0.08
	HARD	24	27.88	1.59
	SULFATE	26	2.04	0.09
	CA_D	26	8.48	0.46
	CA_T	4	7.70	1.23
	K	25	0.23	0.02
	MG_D	26	1.57	0.10
	MG_T	4	1.58	0.35
	NA	25	1.92	0.07

----- YEAR=87 -----

N Obs	Variable	N	Mean	Std Error
66	RES_T	0	.	.
	RES_F	0	.	.
	CL	43	1.95	0.07
	HARD	42	28.26	0.96
	SULFATE	43	2.01	0.05
	CA_D	42	8.62	0.29
	CA_T	24	8.65	0.41
	K	43	0.25	0.01
	MG_D	42	1.66	0.07
	MG_T	24	1.78	0.09
	NA	43	1.82	0.04

----- YEAR=88 -----

N Obs	Variable	N	Mean	Std Error
77	RES_T	0	.	.
	RES_F	0	.	.
	CL	52	1.82	0.05
	HARD	51	24.94	0.77
	SULFATE	52	1.76	0.04
	CA_D	51	7.53	0.24
	CA_T	26	7.52	0.36
	K	52	0.20	0.01
	MG_D	51	1.50	0.05
	MG_T	26	1.55	0.06
	NA	52	1.77	0.02

SALMON RIVER: EXPORT COEFFICIENT SUMMARY

ALL VALUES AS $\text{Kg}(\times 10^3)/\text{Km}^2/\text{Yr}$

----- YEAR=85 -----

N Obs	Variable	N	Mean	Std Error
10	RES_T	9	18.74	1.77
	RES_F	1	7.31	.
	CL	0	.	.
	HARD	0	.	.
	SULFATE	9	2.04	0.41
	CA_D	0	.	.
	CA_T	0	.	.
	K	0	.	.
	MG_D	0	.	.
	MG_T	0	.	.
	NA	0	.	.

----- YEAR=86 -----

N Obs	Variable	N	Mean	Std Error
4	RES_T	4	35.33	11.82
	RES_F	2	9.12	0.88
	CL	0	.	.
	HARD	0	.	.
	SULFATE	3	0.94	0.28
	CA_D	0	.	.
	CA_T	0	.	.
	K	0	.	.
	MG_D	0	.	.
	MG_T	0	.	.
	NA	0	.	.

----- YEAR=87 -----

N Obs	Variable	N	Mean	Std Error
16	RES_T	16	15.60	0.81
	RES_F	0	.	.
	CL	16	0.15	0.01
	HARD	0	.	.
	SULFATE	16	2.11	0.23
	CA_D	0	.	.
	CA_T	15	3.15	0.27
	K	1	0.17	.
	MG_D	0	.	.
	MG_T	15	0.90	0.06
	NA	13	0.66	0.06

----- YEAR=88 -----

N Obs	Variable	N	Mean	Std Error
40	RES_T	6	14.78	0.58
	RES_F	0	.	.
	CL	7	0.08	0.02
	HARD	17	7.76	0.66
	SULFATE	18	1.85	0.17
	CA_D	17	2.08	0.17
	CA_T	1	3.04	.
	K	18	0.15	0.01
	MG_D	17	0.62	0.06
	MG_T	1	0.96	.
	NA	18	0.52	0.04

SIMILKAMEEN RIVER: EXPORT COEFFICIENT SUMMARY

ALL VALUES AS $\text{Kg}(\times 10^3)/\text{Km}^2/\text{Yr}$

----- YEAR=72 -----

N Obs	Variable	N	Mean	Std Error
6	RES_T	3	52.46	7.93
	RES_F	1	60.31	.
	CL	2	0.38	0.00
	HARD	2	32.18	10.22
	SULFATE	3	6.46	1.13
	CA_D	3	10.81	2.07
	CA_T	0	.	.
	K	2	0.35	0.07
	MG_D	2	1.60	0.52
	MG_T	1	2.12	.
	NA	3	1.81	0.31

----- YEAR=73 -----

N Obs	Variable	N	Mean	Std Error
8	RES_T	4	22.42	5.97
	RES_F	0	.	.
	CL	4	0.20	0.03
	HARD	4	10.12	2.18
	SULFATE	4	2.25	0.67
	CA_D	4	3.20	0.68
	CA_T	0	.	.
	K	4	0.23	0.04
	MG_D	4	0.51	0.11
	MG_T	0	.	.
	NA	4	0.49	0.09

----- YEAR=74 -----

N Obs	Variable	N	Mean	Std Error
8	RES_T	3	69.18	25.79
	RES_F	0	.	.
	CL	4	0.36	0.05
	HARD	3	26.24	5.03
	SULFATE	4	4.64	0.82
	CA_D	3	8.12	1.70
	CA_T	1	7.72	.
	K	4	0.28	0.02
	MG_D	3	1.45	0.19
	MG_T	1	1.35	.
	NA	4	1.27	0.10

----- YEAR=75 -----

N Obs	Variable	N	Mean	Std Error
10	RES_T	4	28.36	0.94
	RES_F	0	.	.
	CL	4	0.20	0.02
	HARD	4	18.63	2.07
	SULFATE	4	3.47	0.43
	CA_D	4	5.88	0.67
	CA_T	0	.	.
	K	4	0.21	0.02
	MG_D	4	0.98	0.09
	MG_T	0	.	.
	NA	4	0.85	0.09

----- YEAR=76 -----

N Obs	Variable	N	Mean	Std Error
3	RES_T	2	36.24	4.16
	RES_F	0	.	.
	CL	2	0.27	0.06
	HARD	2	19.31	8.17
	SULFATE	2	3.25	1.74
	CA_D	2	6.04	2.51
	CA_T	0	.	.
	K	2	0.22	0.04
	MG_D	2	1.02	0.46
	MG_T	0	.	.
	NA	2	0.97	0.34

----- YEAR=77 -----

N Obs	Variable	N	Mean	Std Error
8	RES_T	4	11.88	2.87
	RES_F	0	.	.
	CL	4	0.10	0.01
	HARD	4	5.18	0.69
	SULFATE	4	0.88	0.15
	CA_D	4	1.61	0.22
	CA_T	0	.	.
	K	4	0.08	0.00
	MG_D	4	0.28	0.03
	MG_T	0	.	.
	NA	4	0.29	0.04

----- YEAR=78 -----

N Obs	Variable	N	Mean	Std Error
6	RES_T	3	38.11	13.71
	RES_F	0	.	.
	CL	3	0.20	0.03
	HARD	3	11.49	2.53
	SULFATE	3	1.99	0.36
	CA_D	3	3.60	0.78
	CA_T	0	.	.
	K	3	0.15	0.01
	MG_D	3	0.61	0.15
	MG_T	0	.	.
	NA	3	0.71	0.12

----- YEAR=79 -----

N Obs	Variable	N	Mean	Std Error
6	RES_T	1	18.96	.
	RES_F	2	13.79	4.88
	CL	0	.	.
	HARD	0	.	.
	SULFATE	2	1.46	0.74
	CA_D	1	3.68	.
	CA_T	0	.	.
	K	0	.	.
	MG_D	0	.	.
	MG_T	0	.	.
	NA	0	.	.

----- YEAR=80 -----

N Obs	Variable	N	Mean	Std Error
6	RES_T	1	30.44	.
	RES_F	0	.	.
	CL	0	.	.
	HARD	0	.	.
	SULFATE	1	3.79	.
	CA_D	0	.	.
	CA_T	0	.	.
	K	0	.	.
	MG_D	0	.	.
	MG_T	0	.	.
	NA	0	.	.

----- YEAR=81 -----

N Obs	Variable	N	Mean	Std Error
4	RES_T	0	.	.
	RES_F	0	.	.
	CL	0	.	.
	HARD	0	.	.
	SULFATE	0	.	.
	CA_D	1	1.98	.
	CA_T	0	.	.
	K	1	0.13	.
	MG_D	1	0.40	.
	MG_T	0	.	.
	NA	0	.	.

----- YEAR=82 -----

N Obs	Variable	N	Mean	Std Error
13	RES_T	0	.	.
	RES_F	0	.	.
	CL	0	.	.
	HARD	0	.	.
	SULFATE	0	.	.
	CA_D	4	5.09	0.57
	CA_T	0	.	.
	K	0	.	.
	MG_D	4	0.69	0.06
	MG_T	0	.	.
	NA	0	.	.

----- YEAR=83 -----

N Obs	Variable	N	Mean	Std Error
18	RES_T	0	.	.
	RES_F	0	.	.
	CL	4	0.41	0.09
	HARD	1	18.50	.
	SULFATE	9	2.89	0.33
	CA_D	8	4.67	0.62
	CA_T	1	5.55	.
	K	6	0.34	0.13
	MG_D	8	0.82	0.11
	MG_T	1	0.90	.
	NA	6	1.52	0.49

----- YEAR=84 -----

N Obs	Variable	N	Mean	Std Error
21	RES_T	0	.	.
	RES_F	0	.	.
	CL	11	0.25	0.02
	HARD	10	14.47	0.89
	SULFATE	11	2.51	0.26
	CA_D	11	4.15	0.36
	CA_T	0	.	.
	K	11	0.18	0.01
	MG_D	11	0.90	0.12
	MG_T	0	.	.
	NA	11	0.76	0.05

----- YEAR=85 -----

N Obs	Variable	N	Mean	Std Error
43	RES_T	0	.	.
	RES_F	0	.	.
	CL	39	0.25	0.01
	HARD	36	14.76	0.61
	SULFATE	39	2.69	0.14
	CA_D	39	4.65	0.19
	CA_T	0	.	.
	K	39	0.15	0.01
	MG_D	39	0.74	0.03
	MG_T	0	.	.
	NA	39	0.69	0.03

----- YEAR=86 -----

N Obs	Variable	N	Mean	Std Error
32	RES_T	0	.	.
	RES_F	0	.	.
	CL	29	0.31	0.02
	HARD	29	15.52	0.87
	SULFATE	30	2.76	0.20
	CA_D	29	4.94	0.28
	CA_T	0	.	.
	K	29	0.16	0.01
	MG_D	29	0.77	0.04
	MG_T	0	.	.
	NA	29	0.73	0.04

----- YEAR=87 -----

N Obs	Variable	N	Mean	Std Error
57	RES_T	0	.	.
	RES_F	0	.	.
	CL	35	0.27	0.01
	HARD	33	13.14	0.66
	SULFATE	35	2.50	0.15
	CA_D	33	4.16	0.20
	CA_T	2	4.76	0.72
	K	35	0.14	0.01
	MG_D	33	0.67	0.04
	MG_T	2	0.84	0.09
	NA	35	0.63	0.03

----- YEAR=88 -----

N Obs	Variable	N	Mean	Std Error
55	RES_T	0	.	.
	RES_F	0	.	.
	CL	25	0.23	0.02
	HARD	24	11.96	0.84
	SULFATE	25	2.27	0.18
	CA_D	24	3.75	0.26
	CA_T	1	5.16	.
	K	25	0.13	0.01
	MG_D	24	0.63	0.04
	MG_T	1	0.81	.
	NA	25	0.57	0.03

SKEENA RIVER: EXPORT COEFFICIENT SUMMARY

ALL VALUES AS $\text{Kg}(\times 10^3)/\text{km}^2/\text{Yr}$

----- YEAR=50 -----

N Obs	Variable	N	Mean	Std Error
35	RESIDUE	35	45.48	1.44
	CL	1	0.30	.
	HARD	35	30.99	1.26
	SULFATE	35	6.69	0.34
	K	35	0.28	0.02
	MG_T	35	1.47	0.07
	NA	35	1.33	0.05

----- YEAR=66 -----

N Obs	Variable	N	Mean	Std Error
5	RESIDUE	4	45.59	1.12
	CL	5	0.20	0.04
	HARD	2	35.83	1.36
	SULFATE	5	6.07	0.10
	K	0	.	.
	MG_T	3	1.22	0.22
	NA	5	1.15	0.12

----- YEAR=67 -----

N Obs	Variable	N	Mean	Std Error
10	RESIDUE	2	50.06	16.17
	CL	10	0.28	0.07
	HARD	10	36.74	3.41
	SULFATE	10	6.13	0.49
	K	0	.	.
	MG_T	0	.	.
	NA	10	1.68	0.20

----- YEAR=68 -----

N Obs	Variable	N	Mean	Std Error
9	RESIDUE	0	.	.
	CL	9	0.23	0.06
	HARD	9	29.51	2.04
	SULFATE	9	4.97	0.47
	K	0	.	.
	MG_T	0	.	.
	NA	9	1.33	0.20

----- YEAR=69 -----

N Obs	Variable	N	Mean	Std Error
10	RESIDUE	1	57.63	.
	CL	10	0.18	0.03
	HARD	10	31.70	4.25
	SULFATE	10	5.37	0.39
	K	0	.	.
	MG_T	0	.	.
	NA	10	1.10	0.11

----- YEAR=70 -----

N Obs	Variable	N	Mean	Std Error
6	RESIDUE	1	50.55	.
	CL	6	0.14	0.04
	HARD	6	27.66	2.72
	SULFATE	6	4.14	0.57
	K	0	.	.
	MG_T	0	.	.
	NA	6	1.31	0.16

----- YEAR=71 -----

N Obs	Variable	N	Mean	Std Error
6	RESIDUE	0	.	.
	CL	5	0.21	0.03
	HARD	6	28.35	2.63
	SULFATE	5	4.41	0.40
	K	0	.	.
	MG_T	0	.	.
	NA	6	1.17	0.12

----- YEAR=72 -----

N Obs	Variable	N	Mean	Std Error
7	RESIDUE	0	.	.
	CL	6	0.33	0.08
	HARD	7	35.04	3.52
	SULFATE	7	5.92	0.47
	K	0	.	.
	MG_T	0	.	.
	NA	6	1.54	0.25

----- YEAR=73 -----

N Obs	Variable	N	Mean	Std Error
9	RESIDUE	3	0.67	0.00
	CL	9	0.35	0.07
	HARD	9	29.25	2.32
	SULFATE	9	5.72	0.82
	K	0	.	.
	MG_T	0	.	.
	NA	9	1.17	0.13

----- YEAR=74 -----

N Obs	Variable	N	Mean	Std Error
3	RESIDUE	0	.	.
	CL	3	0.53	0.13
	HARD	3	35.61	6.98
	SULFATE	2	6.76	0.60
	K	0	.	.
	MG_T	0	.	.
	NA	3	1.68	0.40

----- YEAR=75 -----

N Obs	Variable	N	Mean	Std Error
1	RESIDUE	0	.	.
	CL	1	0.17	.
	HARD	1	23.80	.
	SULFATE	0	.	.
	K	0	.	.
	MG_T	0	.	.
	NA	1	0.92	.

----- YEAR=76 -----

N Obs	Variable	N	Mean	Std Error
2	RESIDUE	1	36.78	.
	CL	2	0.55	0.28
	HARD	2	32.00	5.33
	SULFATE	0	.	.
	K	0	.	.
	MG_T	0	.	.
	NA	2	1.24	0.14

----- YEAR=83 -----

N Obs	Variable	N	Mean	Std Error
9	RESIDUE	6	35.89	3.50
	CL	8	0.36	0.04
	HARD	1	34.38	.
	SULFATE	7	3.98	0.40
	K	7	0.19	0.02
	MG_T	7	1.60	0.20
	NA	7	1.14	0.15

----- YEAR=84 -----

N Obs	Variable	N	Mean	Std Error
15	RESIDUE	6	43.03	3.87
	CL	5	0.43	0.06
	HARD	3	30.64	5.83
	SULFATE	6	4.64	0.41
	K	4	0.24	0.03
	MG_T	9	1.59	0.08
	NA	4	1.72	0.12

----- YEAR=85 -----

N Obs	Variable	N	Mean	Std Error
24	RESIDUE	0	.	.
	CL	24	0.39	0.04
	HARD	24	30.25	1.68
	SULFATE	24	4.69	0.27
	K	24	0.23	0.02
	MG_T	0	.	.
	NA	24	1.25	0.09

----- YEAR=86 -----

N Obs	Variable	N	Mean	Std Error
28	RESIDUE	0	.	.
	CL	28	0.43	0.05
	HARD	28	30.04	1.41
	SULFATE	28	4.75	0.23
	K	28	0.24	0.02
	MG_T	0	.	.
	NA	28	1.25	0.07

----- YEAR=87 -----

N Obs	Variable	N	Mean	Std Error
40	RESIDUE	0	.	.
	CL	29	0.43	0.06
	HARD	27	31.88	1.51
	SULFATE	29	5.02	0.18
	K	29	0.26	0.02
	MG_T	12	2.51	0.92
	NA	29	1.28	0.08

----- YEAR=88 -----

N Obs	Variable	N	Mean	Std Error
47	RESIDUE	0	.	.
	CL	23	0.42	0.06
	HARD	23	30.98	1.63
	SULFATE	23	4.77	0.23
	K	23	0.26	0.03
	MG_T	24	1.91	0.07
	NA	23	1.32	0.09