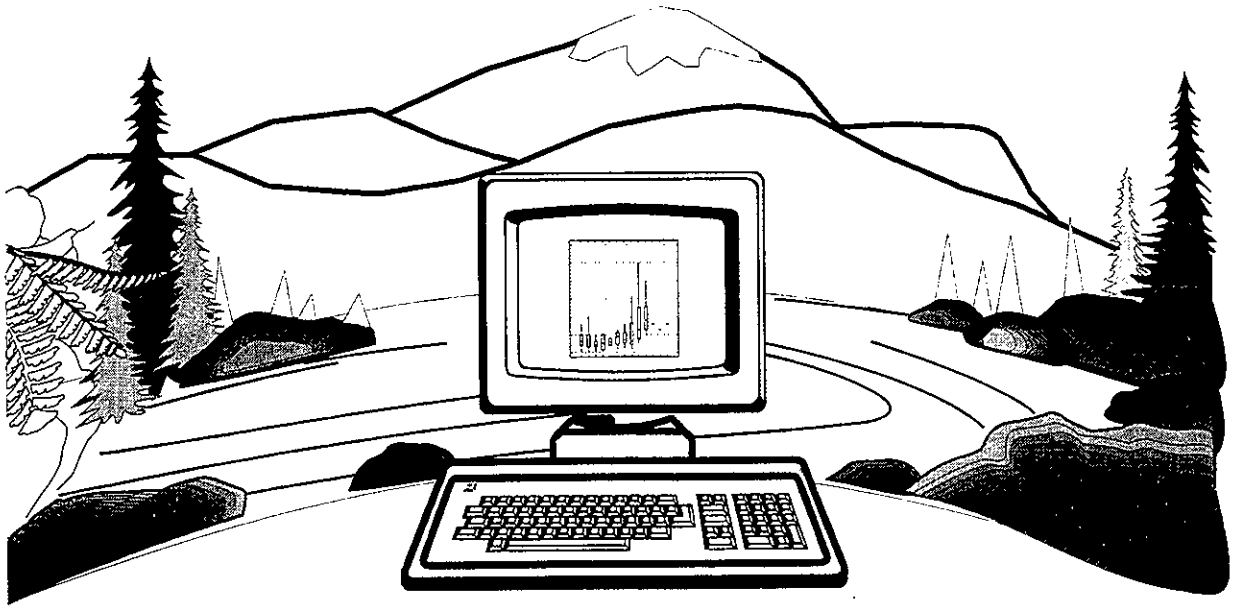
D-8
Vol. 2 of 2

Baseline Water Quality Data

Inventory and Analysis

Missouri National Recreational River

Volume II of II



Water Resources Division and
Servicewide Inventory and
Monitoring Program

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National Park Service – Department of the Interior
Fort Collins – Denver – Washington

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BASELINE WATER QUALITY DATA

INVENTORY AND ANALYSIS

MISSOURI NATIONAL RECREATIONAL RIVER
VOLUME II OF II

National Park Service
Water Resources Division
Fort Collins, CO 80525

Technical Report NPS/NRWRD/NRTR-98/162

OCTOBER 1998

United States Department of the Interior
National Park Service
Washington, D.C.

Station Inventory for Station: MNRR0050

NPS Station ID: MNRR0050
LAT/LON: 42.809726/ -97.694448
Agency: 21NEB001
Date Created: 04/16/88
Location: DEVILS NEST CREEK
FIPS State/County: 31107 NEBRASKA/KNOX
Station Type: /TYPA/AMBNT/STREAM/BIO
STORET Station ID(s): MT2116
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 10170101
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id: NEMT2-12200
Minor Basin:
ECO Region: 46G
RF1 Index: 10170101
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 10170101011200.00
RF3 Mile Point: 0.22
Distance from RF3: 0.18
On/Off RF3:
Description:

Parameter Inventory for Station: MNRR0050

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: MNRR0051

NPS Station ID: MNRR0051 LAT/LON: 42.826087/ -97.716087 Agency: 11NPSWRD Date Created: 01/10/98
Location: RURAL WATER INTAKE STRUCTURE FIPS State/County: 31107 NEBRASKA/KNOX
Station Type: /RESERV/TYPA/AMBNT STORET Station ID(s): NIMI_CKRWP1
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 10170101 Depth of Water: 0 Aquifer:
Major Basin: MISSOURI RIVER Elevation: 1200 Water Body Id:
Minor Basin: LOWER MISSOURI R FROM NIOBRARA R ECO Region:
RF1 Index: 10170101 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 10170203001300.00 RF3 Mile Point: 6.56 Distance from RF3: 0.09 On/Off RF3:
Description:

THE SITE IS LOCATED ON THE BON HOMME COLONY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED ON THE LEWIS AND CLARK LAKE AT A RURAL WATER INTAKE STRUCTURE OF THE CEDAR KNOX RURAL WATER PROJECT. DATA ARE FROM THE CEDAR KNOX RURAL WATER PROJECT. THE STATION IS LOCATED ON THE LEWIS AND CLARK LAKE WHICH IS IN BETWEEN TWO SECTIONS OF THE MISSOURI NATIONAL RECREATIONAL RIVER. FOR MORE INFORMATION CONTACT RESOURCE MANAGEMENT AT MISSOURI NATIONAL RECREATIONAL RIVER; P.O. BOX 591; O'NEIL NEBRASKA 68763-0591; TEL. 402-336-3970. DATA WERE PROCESSED AND UPLOADED TO STORET BY ADAM HENSON; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL. 970-225-3516. FAX. 970-225-9965.

Parameter Inventory for Station: MNRR0051

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS		08/23/90-08/23/90	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS	SU	08/23/90-03/26/97	6	8.15	8.083	8.4	7.6	0.094	0.306	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS		08/23/90-03/26/97	6	8.125	7.988	8.4	7.6	0.105	0.323	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/23/90-03/26/97	6	0.008	0.01	0.025	0.004	0.	0.008	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)		08/23/90-08/23/90	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00425	ALKALINITY, BICARBONATE (MG/L AS CACO3)		08/23/90-08/23/90	1	156.	156.	156.	156.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		06/02/94-03/26/97	5	70.	58.	79.	34.	436.5	20.893	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		08/23/90-03/26/97	10	0.25	0.279	0.6	0.1	0.02	0.141	0.109	0.198	0.325	0.58
00660	PHOSPHATE, ORTHO (MG/L AS PO4)		08/23/90-08/23/90	1	2.99	2.99	2.99	2.99	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)		08/23/90-08/23/90	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN)	MG/L	11/06/95-11/06/95	1##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)		06/02/94-03/26/97	5	231.	258.2	320.	230.	1656.2	40.696	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)		08/23/90-03/26/97	6	57.	71.5	135.	51.	1066.7	32.66	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)		08/23/90-03/26/97	6	21.5	33.017	93.1	18.	869.202	29.482	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)		08/23/90-03/26/97	6	67.	86.387	161.32	62.	1544.641	39.302	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)		08/23/90-08/23/90	1	7.17	7.17	7.17	7.17	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER	MG/L	08/23/90-03/26/97	6	10.5	11.167	17.	9.	8.967	2.994	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)		08/23/90-03/26/97	7	212.	210.286	260.	150.	1233.905	35.127	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SIO2)		08/23/90-08/23/90	1	14.7	14.7	14.7	14.7	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)		06/13/95-01/08/97	2##	1.	1.	1.	1.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)		08/23/90-01/08/97	3##	50.	50.	50.	50.	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)		11/06/95-11/06/95	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)		06/13/95-01/08/97	2##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)		06/13/95-01/08/97	2##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: MNRR0051

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01055 MANGANESE, TOTAL (UG/L AS MN)	08/23/90-03/26/97	6	45.	53.333	110.	20.	1506.667	38.816	**	**	**	**
01059 THALLIUM, TOTAL (UG/L AS TL)	11/06/95-11/06/95	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	11/06/95-11/06/95	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01082 STRONTIUM, TOTAL (UG/L AS SR)	08/23/90-08/23/90	1	700.	700.	700.	700.	0.	0.	**	**	**	**
01097 ANTIMONY, TOTAL (UG/L AS SB)	11/06/95-11/06/95	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	08/23/90-08/23/90	1	500.	500.	500.	500.	0.	0.	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	06/13/95-01/08/97	2##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
04257 ALDICARB SULFONE, TOTAL, WATER UG/L	06/06/95-06/06/95	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
04258 HYDROXYCARBOFURAN, 3-, TOTAL, WATER UG/L	06/06/95-06/06/95	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
04260 ALDICARB SULFOXIDE, TOTAL, WATER UG/L.	06/06/95-06/06/95	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
04443 DIQUAT, WATER TOTAL. UG/L	06/06/95-06/06/95	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
34671 PCB - 1016 TOTWUG/L	06/06/95-06/06/95	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
38437 DIBROMOCHLOROPROPANE WATER, TOTUG/L	03/25/97-03/25/97	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
38865 OXAMYL WATER, TOTUG/L	06/06/95-06/06/95	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39033 ATRAZINE IN WHOLE WATER SAMPLE UG/L	06/16/92-12/13/94	2##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
39051 METHOMYL IN WHOLE WATER (UG/L)	06/06/95-06/06/95	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39053 ALDICARB IN WHOLE WATER (UG/L)	06/06/95-06/06/95	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39340 GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	06/16/92-06/16/92	1##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39350 CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	06/06/95-06/06/95	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
39356 METOLACHLOR(DUAL) IN WHOLE WATER UG/L	06/16/92-12/13/94	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39390 ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/16/92-06/16/92	1##	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
39400 TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/16/92-06/16/92	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/16/92-06/16/92	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39488 PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	06/06/95-06/06/95	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39492 PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	06/06/95-06/06/95	1##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
39496 PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	06/06/95-06/06/95	1##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39500 PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	06/06/95-06/06/95	1##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
39504 PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	06/06/95-06/06/95	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39508 PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	06/06/95-06/06/95	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39540 PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/16/92-12/13/94	2##	0.	0.	0.	0.	0.	0.	**	**	**	**
39600 METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/16/92-12/13/94	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39730 2,4-D IN WHOLE WATER SAMPLE (UG/L)	06/16/92-06/16/92	1##	0.	0.	0.	0.	0.	0.	**	**	**	**
39750 SEVIN IN WHOLE WATER SAMPLE (UG/L)	06/06/95-06/06/95	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39760 SILVEX IN WHOLE WATER SAMPLE (UG/L)	06/16/92-06/16/92	1##	0.	0.	0.	0.	0.	0.	**	**	**	**
50060 CHLORINE, TOTAL RESIDUAL (MG/L)	08/23/90-08/23/90	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
50915 INVALID PARAMETER	08/23/90-08/23/90	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
60050 ALGAE, TOTAL (CELLS/ML)	10/19/93-10/19/93	1	3400.	3400.	3400.	3400.	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	06/13/95-01/08/97	2##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
74010 IRON, TOTAL (MG/L AS FE)	08/23/90-03/26/97	6	0.6	0.792	1.6	0.15	0.492	0.702	**	**	**	**
77825 ALACHLOR WHOLE WATER,UG/L	06/16/92-12/13/94	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81284 TRIFLURALIN(C13H16F3N3O4) WHOLE WATER SAMPLE UG/L	06/16/92-12/13/94	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81294 DYFONATE(CU/H15OPS2) WHOLE WATER SAMPLE UG/L	06/16/92-12/13/94	2##	0.	0.	0.	0.	0.	0.	**	**	**	**
81403 DURSBAN(CHLOROPYRIFOS)WHOLE WATER SAMPLE (UG/L)	06/16/92-12/13/94	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81405 CARBOFURAN (EURADAN) WHOLE WATER SAMPLE UG/L	06/06/95-06/06/95	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
81408 METRIBUZIN (SENCOR), WATER, WHOLE UG/L	06/16/92-12/13/94	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81410 BUTYLATE (SUTAN),WHOLE WATER SAMPLE,UG/L	06/16/92-12/13/94	2##	0.	0.	0.	0.	0.	0.	**	**	**	**
81522 DIBROMOETHANE WHL WATER SMPL UG/L	03/25/97-03/25/97	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
81757 CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	06/16/92-12/13/94	2##	0.075	0.075	0.075	0.075	0.	0.	**	**	**	**
82088 TERBUFOS (COUNTER) TOTAL WHOLE WATER,UG/L	06/16/92-12/13/94	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82416 PARAQUAT IN WHOLE WATER TOTAL UG/L	06/06/95-06/06/95	1##	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: MNRR0051

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
00403 PH, LAB	Fresh Chronic	9.	6	0	0.00							5	0	0.00	1	0	0.00
	Other-Lo Lim.	6.5	6	0	0.00							5	0	0.00	1	0	0.00
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	10	0	0.00				1	0	0.00	6	0	0.00	3	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: MNRR0051

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
00720 CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00										1	0	0.00
	Drinking Water	0.2	1	0	0.00										1	0	0.00
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	6	0	0.00							5	0	0.00	1	0	0.00
	Drinking Water	250.	6	0	0.00							5	0	0.00	1	0	0.00
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	7	1	0.14							5	1	0.20	2	0	0.00
01002 ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00	1	0	0.00				1	0	0.00			
	Drinking Water	50.	2	0	0.00	1	0	0.00				1	0	0.00			
01007 BARIUM, TOTAL	Drinking Water	2000.	3	0	0.00	1	0	0.00				1	0	0.00	1	0	0.00
01012 BERYLLIUM, TOTAL	Fresh Acute	130.	1	0	0.00										1	0	0.00
	Drinking Water	4.	1	0	0.00										1	0	0.00
01027 CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00	1	0	0.00				1	0	0.00			
	Drinking Water	5.	2	0	0.00	1	0	0.00				1	0	0.00			
01034 CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	1	0	0.00				1	0	0.00			
01059 THALLIUM, TOTAL	Fresh Acute	1400.	1	0	0.00										1	0	0.00
	Drinking Water	2.	1	0	0.00										1	0	0.00
01067 NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00										1	0	0.00
	Drinking Water	100.	1	0	0.00										1	0	0.00
01097 ANTIMONY, TOTAL	Fresh Acute	88.	1	0	0.00										1	0	0.00
	Drinking Water	6.	1	0	0.00										1	0	0.00
01147 SELENIUM, TOTAL	Fresh Acute	20.	2	0	0.00	1	0	0.00				1	0	0.00			
	Drinking Water	50.	2	0	0.00	1	0	0.00				1	0	0.00			
38437 DIBROMOCHLOROPROPANE, WATER	Drinking Water	0.2	1	0	0.00							1	0	0.00			
38865 OXAMYL, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
39033 ATRAZINE IN WHOLE WATER SAMPLE	Drinking Water	3.	2	0	0.00	1	0	0.00				1	0	0.00			
39053 ALDICARB IN WHOLE WATER	Drinking Water	3.	1	0	0.00							1	0	0.00			
39340 GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00							1	0	0.00			
	Drinking Water	0.2	1	0	0.00							1	0	0.00			
39350 CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
	Drinking Water	2.	1	0	0.00							1	0	0.00			
39390 ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00							1	0	0.00			
	Drinking Water	2.	1	0	0.00							1	0	0.00			
39400 TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00							1	0	0.00			
	Drinking Water	3.	1	0	0.00							1	0	0.00			
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	1	0	0.00							1	0	0.00			
39540 PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	2	0	0.00	1	0	0.00				1	0	0.00			
39730 2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	1	0	0.00							1	0	0.00			
39760 SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	1	0	0.00							1	0	0.00			
50060 CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	0&	0	0.00												
71900 MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	1	0	0.00				1	0	0.00			
	Drinking Water	2.	2	0	0.00	1	0	0.00				1	0	0.00			
81403 DURSBAN (CHLOROPYRIFOS) WHOLE WATER SAMP	Fresh Acute	0.083	2	0	0.00	1	0	0.00				1	0	0.00			
81405 CARBOFURAN (EURADAN) WHOLE WATER SAMPLE	Drinking Water	40.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: MNRR0052

NPS Station ID: MNRR0052
LAT/LON: 42.812781/ -97.739449
Agency: 21NEB001
Date Created: 06/22/96
Location: COOKS CREEK
FIPS State/County: 31107 NEBRASKA/KNOX
Station Type: /TYPA/AMBNT/STREAM/BIO
STORET Station ID(s): MT2117
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 10170101
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id: NEMT2-12300
Minor Basin:
ECO Region: 46G
RF1 Index: 10170101
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 10170203001300.00
RF3 Mile Point: 6.56
Distance from RF3: 0.09
On/Off RF3:
Description:

Parameter Inventory for Station: MNRR0052

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: MNRR0053

NPS Station ID: MNRR0053
Location: SNATCH CREEK NEAR TABOR, SD
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 10170101
Major Basin:
Minor Basin:
RF1 Index: 10170101
RF3 Index: 10170203001300.00
Description:

LAT/LON: 42.908337/ -97.775838
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 6.56

Agency: 112WRD
FIPS State/County: 46009 SOUTH DAKOTA/BON HOMME
STORET Station ID(s): 06466715
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.09

Date Created: 07/09/94
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: MNRR0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		03/10/93-02/23/95	3	4.	8.833	21.	1.5	112.583	10.611	**	**	**	**
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		03/10/93-04/20/95	4	6.	9.25	23.5	1.5	97.417	9.87	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	03/10/93-04/20/95	4	83.5	507.	1860.	1.	815298.	902.939	**	**	**	**
00065 STAGE, STREAM (FEET)		03/10/93-07/13/93	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		03/10/93-04/20/95	3	230.	467.333	972.	200.	191241.333	437.311	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: MNRR0054

NPS Station ID: MNRR0054 LAT/LON: 42.833338/ -97.800004 Agency: 21NEB002 Date Created: / /
Location: HOPKINS CREEK NEAR OAKDALE, NB FIPS State/County: 31003 NEBRASKA/ANTELOPE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 020097
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 10170101 Depth of Water: 1 Aquifer:
Major Basin: MISSOURI Elevation: 0 Water Body Id:
Minor Basin: PLATTE ECO Region:
RF1 Index: 10170101023 RF1 Mile Point: 9.620 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 10150007030800.00 RF3 Mile Point: 1.27 Distance from RF3: 0.09 On/Off RF3:
Description:
HOPKINS CREEK 7 E, 1/2 N OF OAKDALE, NB SECTION 1 T24N R5W

Parameter Inventory for Station: MNRR0054

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011 TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/12/72-07/12/72	1	77.	77.	77.	77.	0.	0.	**	**	**	**
00021 TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/12/72-07/12/72	1	78.	78.	78.	78.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	07/12/72-07/12/72	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	07/12/72-07/12/72	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/12/72-07/12/72	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	07/12/72-07/12/72	1	257.	257.	257.	257.	0.	0.	**	**	**	**
00415 ALKALINITY, PHENOLPHTHALEIN (MG/L)	07/12/72-07/12/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	07/12/72-07/12/72	1	239.	239.	239.	239.	0.	0.	**	**	**	**
48009 LEPOMIS CYANELLUS-GREEN SUNFISH-#/EFFORT	07/12/72-07/12/72	1	1.	1.	1.	1.	0.	0.	**	**	**	**
48023 NOTROPIS STRAMINEUS-SAND SHINER-#/EFFORT	07/12/72-07/12/72	1	18.	18.	18.	18.	0.	0.	**	**	**	**
48028 PIMEPHALES PROMELAS-FATHEAD MINNOW-#/EFFORT	07/12/72-07/12/72	1	32.	32.	32.	32.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: MNRR0054

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
00400 PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
	Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: MNRR0055

NPS Station ID: MNRR0055 LAT/LON: 42.856948/ -97.876115 Agency: 121MBRCE Date Created: 08/28/82
Location: LEWIS AND CLARK LAKE NR SPRINGFIELD FIPS State/County: 31107 NEBRASKA/KNOX
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 30CEG2
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 10170101 Depth of Water: 32 Aquifer:
Major Basin: MISSOURI RIVER Elevation: 0 Water Body Id:
Minor Basin: LOWER MISSOURI R FROM NIOBRARA R ECO Region:
RF1 Index: 10170101027 RF1 Mile Point: 4.380 Distance from RF1: 7.20 On/Off RF1: ON
RF3 Index: 10170101109000.00 RF3 Mile Point: 0.24 Distance from RF3: 0.07 On/Off RF3:
Description:

Parameter Inventory for Station: MNRR0055

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/28/82-10/10/96	286	18.1	17.319	26.8	5.	31.066	5.574	9.	13.4	22.	24.
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		06/28/82-10/10/96	69	23.	21.891	38.	6.	51.065	7.146	11.	18.	28.	32.
00032 CLOUD COVER (PERCENT)		06/28/82-08/05/96	68	25.	43.632	100.	0.	1723.878	41.52	0.	3.5	93.75	100.
00035 WIND VELOCITY (MILES PER HOUR)		06/28/82-10/10/96	69	10.	9.638	20.	0.	25.411	5.041	3.	5.	15.	15.
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		06/28/82-10/10/96	71	7.	13.404	237.	0.	805.476	28.381	0.	5.	16.	22.
00078 TRANSPARENCY, SECCHI DISC (METERS)		08/25/82-10/10/96	66	0.7	0.836	8.	0.1	1.093	1.046	0.321	0.5	1.	1.
00080 COLOR (PLATINUM-COBALT UNITS)		10/04/82-07/01/96	16	9.	11.313	40.	5.	80.363	8.965	5.	5.	15.	26.
00090 OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)		07/27/88-10/10/96	75	0.3	70.476	780.	0.1	35693.672	188.928	0.16	0.2	0.3	284.
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		06/28/82-10/10/96	267	742.	660.558	980.	144.	37540.593	193.754	351.8	460.	798.	840.
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	06/28/82-10/10/96	282	8.6	8.901	17.8	4.2	4.609	2.147	6.5	7.5	10.	11.2
00400 PH (STANDARD UNITS)		06/28/82-10/10/96	179	8.02	7.985	9.5	5.5	0.367	0.606	7.4	7.74	8.3	8.5
00400 CONVERTED PH (STANDARD UNITS)		06/28/82-10/10/96	179	8.02	7.117	9.5	5.5	1.124	1.06	7.4	7.74	8.3	8.5
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		06/28/82-10/10/96	179	0.01	0.076	3.162	0.	0.168	0.409	0.003	0.005	0.018	0.04
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		06/28/82-10/10/96	71	163.	165.211	226.	124.	260.34	16.135	149.2	156.	170.	181.8
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		06/28/82-10/10/96	33	532.	541.455	732.	422.	3038.381	55.122	480.	499.5	573.	600.4
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		10/04/82-10/10/96	37	19.	23.108	78.	6.	219.877	14.828	9.6	13.5	26.5	41.4
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		06/28/82-10/10/96	71	0.015	0.039	0.33	0.	0.004	0.066	0.005	0.01	0.04	0.086
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		06/28/82-10/10/96	33##	0.005	0.005	0.05	0.	0.	0.009	0.	0.	0.005	0.01
00619 AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4)	(MG/L)	06/28/82-10/10/96	71##	0.005	0.004	0.02	0.	0.	0.003	0.	0.005	0.005	0.005
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		06/28/82-10/10/96	71	0.09	0.224	1.7	0.005	0.12	0.346	0.005	0.04	0.26	0.668
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		06/28/82-10/10/96	71	0.4	0.425	1.3	0.05	0.05	0.223	0.2	0.3	0.5	0.8
00665 PHOSPHORUS, TOTAL (MG/L AS P)		06/28/82-10/10/96	71	0.05	0.068	0.36	0.	0.005	0.072	0.01	0.03	0.07	0.136
00720 CYANIDE, TOTAL (MG/L AS CN)	MG/L	06/28/82-10/10/96	23##	0.005	0.005	0.02	0.	0.	0.005	0.	0.003	0.005	0.014
00900 HARDNESS, TOTAL (MG/L AS CACO3)		06/28/82-10/10/96	71	260.	274.028	594.	209.	3689.428	60.741	231.	242.	282.	318.2
00916 CALCIUM, TOTAL (MG/L AS CA)		06/28/82-08/05/96	30	63.5	69.067	128.	51.	341.099	18.469	54.1	59.5	70.5	104.8
00927 MAGNESIUM, TOTAL (MG/L AS MG)		06/28/82-08/05/96	30	24.	25.533	55.	19.	54.878	7.408	21.1	22.	25.	31.6
00929 SODIUM, TOTAL (MG/L AS NA)		06/28/82-08/05/96	30	72.	72.397	92.	55.	84.238	9.178	61.01	66.75	79.25	86.62
00931 SODIUM ADSORPTION RATIO		06/28/82-08/05/96	29	2.	1.976	3.	1.	0.13	0.361	1.5	2.	2.	2.3
00937 POTASSIUM, TOTAL MG/L AS K)		06/28/82-08/05/96	29	6.	6.331	13.	4.	4.586	2.141	4.6	5.	7.	10.
00940 CHLORIDE,TOTAL IN WATER	MG/L	08/25/82-05/29/96	14	12.	12.107	17.	0.5	17.622	4.198	4.25	10.75	15.25	16.5
00945 SULFATE, TOTAL (MG/L AS SO4)		10/04/82-10/10/96	41	235.	252.902	552.	161.	4743.29	68.872	205.	214.	269.5	323.6
01002 ARSENIC, TOTAL (UG/L AS AS)		06/28/82-10/10/96	35	2.	2.	7.	1.	1.647	1.283	1.	1.	2.	4.
01007 BARIUM, TOTAL (UG/L AS BA)		06/28/82-05/29/96	15	46.	56.2	157.	28.	920.743	30.344	35.2	43.	59.	110.8
01012 BERYLLIUM, TOTAL (UG/L AS BE)		06/28/82-10/10/96	34##	1.	0.882	1.	0.	0.107	0.327	0.	1.	1.	1.
01022 BORON, TOTAL (UG/L AS B)		06/28/82-05/29/96	23	132.	137.913	271.	17.	2074.901	45.551	105.6	117.	160.	192.8
01027 CADMIUM, TOTAL (UG/L AS CD)		06/28/82-10/10/96	37	0.3	0.507	2.	0.	0.309	0.556	0.08	0.1	0.65	1.5
01034 CHROMIUM, TOTAL (UG/L AS CR)		06/28/82-10/10/96	35##	2.5	2.843	10.	0.	5.776	2.403	0.	2.5	2.5	6.8
01042 COPPER, TOTAL (UG/L AS CU)		06/28/82-10/10/96	37##	2.5	3.797	12.	0.	6.145	2.479	2.5	2.5	5.	7.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: MNRR0055

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045 IRON, TOTAL (UG/L AS FE)	06/28/82-10/10/96	43	522.	916.093	8940.	139.	1914790.229	1383.759	268.6	370.	873.	1933.8
01051 LEAD, TOTAL (UG/L AS PB)	06/28/82-10/10/96	33	3.	4.652	17.	0.	17.726	4.21	0.	1.	7.5	10.6
01055 MANGANESE, TOTAL (UG/L AS MN)	06/28/82-10/10/96	43	65.	103.907	630.	29.	15444.896	124.277	36.	47.	108.	197.6
01067 NICKEL, TOTAL (UG/L AS NI)	06/28/82-10/10/96	35	2.5	5.223	17.	0.	17.121	4.138	1.62	2.5	8.	11.2
01077 SILVER, TOTAL (UG/L AS AG)	06/28/82-10/10/96	33##	0.1	0.57	5.	0.	2.055	1.434	0.	0.1	0.1	3.4
01082 STRONTIUM, TOTAL (UG/L AS SR)	06/28/82-06/28/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	08/25/82-10/10/96	35	6.	9.529	52.	1.	123.102	11.095	1.	4.	10.	22.4
01097 ANTIMONY, TOTAL (UG/L AS SB)	06/28/82-05/29/96	23##	1.	6.478	71.	0.	264.829	16.274	0.	1.	2.5	27.4
01147 SELENIUM, TOTAL (UG/L AS SE)	06/28/82-07/01/96	24##	1.	1.729	5.	1.	1.282	1.132	1.	1.	2.375	3.5
30295 PROPACHLOR, WATER, WHOLE, RECOVERABLE, UG/L	06/13/89-06/13/89	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
32211 CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	10/04/82-10/10/96	40	1.5	22.675	580.	0.	8398.994	91.646	0.5	0.5	8.	35.4
32218 PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/07/87-10/10/96	28	1.5	13.911	98.	0.5	572.52	23.927	0.5	0.5	16.5	53.6
32730 PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/28/82-04/30/96	16##	5.	5.313	10.	0.	4.896	2.213	3.5	5.	5.	10.
34292 N-BUTYL BENZYL PHTHALATE,WHOLE WATER,UG/L	05/30/84-08/12/86	8##	0.17	0.17	0.17	0.17	0.	0.	**	**	**	**
34336 DIETHYL PHTHALATE TOTWUG/L	05/30/84-08/12/86	8##	0.245	0.245	0.245	0.245	0.	0.	**	**	**	**
34341 DIMETHYL PHTHALATE TOTWUG/L	05/30/84-08/12/86	8##	0.145	0.145	0.145	0.145	0.	0.	**	**	**	**
34361 ENDOSULFAN, ALPHA TOTWUG/L	06/28/82-05/30/95	27##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
34596 DI-N-OCTYL PHTHALATE TOTWUG/L	05/30/84-08/12/86	8##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39026 STROBANE,2,3,6-TRICHLOROPHEYLACETIC ACID UG/L	06/28/82-08/07/91	21##	0.05	0.2	0.4	0.05	0.032	0.177	0.05	0.05	0.4	0.4
39033 ATRAZINE IN WHOLE WATER SAMPLE UG/L	06/08/87-08/05/96	19##	0.05	0.139	0.7	0.05	0.041	0.203	0.05	0.05	0.1	0.7
39055 SIMAZINE IN WHOLE WATER (UG/L)	06/08/87-08/05/96	19##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
39100 BIS(2-ETHYLHEXYL) PHTHALATE,WHOLE WATER,UG/L	05/30/84-08/12/86	8##	1.	1.	1.	1.	0.	0.	**	**	**	**
39110 DI-N-BUTYL PHTHALATE,WHOLE WATER,UG/L	05/30/84-08/12/86	8##	0.18	0.18	0.18	0.18	0.	0.	**	**	**	**
39315 O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	06/28/82-08/12/86	11##	0.013	0.013	0.015	0.013	0.	0.001	0.013	0.013	0.013	0.015
39330 ALDRIN IN WHOLE WATER SAMPLE (UG/L)	06/28/82-08/05/96	30##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
39337 ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	06/13/89-08/07/89	2##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39350 CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	06/28/82-08/05/96	31##	0.02	0.02	0.02	0.02	0.	0.	0.02	0.02	0.02	0.02
39356 METOLACHLOR(DUAL) IN WHOLE WATER UG/L	06/08/87-08/05/96	19##	0.05	0.079	0.6	0.05	0.016	0.126	0.05	0.05	0.05	0.05
39365 DDE IN WHOLE WATER SAMPLE (UG/L)	06/28/82-08/05/96	30##	0.015	0.014	0.015	0.013	0.	0.001	0.013	0.013	0.015	0.015
39370 DDT IN WHOLE WATER SAMPLE (UG/L)	06/28/82-08/05/96	30##	0.015	0.014	0.015	0.013	0.	0.001	0.013	0.013	0.015	0.015
39380 DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/28/82-08/05/96	30##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
39388 ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	08/15/95-08/05/96	3##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39390 ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/28/82-08/05/96	30##	0.015	0.014	0.015	0.013	0.	0.001	0.013	0.013	0.015	0.015
39400 TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/28/82-08/05/96	30##	0.05	0.155	0.4	0.05	0.027	0.163	0.05	0.05	0.4	0.4
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/28/82-08/05/96	30##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/28/82-08/05/96	30##	0.02	0.02	0.02	0.02	0.	0.	0.02	0.02	0.02	0.02
39516 PCBS IN WHOLE WATER SAMPLE (UG/L)	06/28/82-08/05/96	30##	0.05	0.185	0.5	0.05	0.044	0.21	0.05	0.05	0.5	0.5
39570 DIAZINON IN WHOLE WATER SAMPLE (UG/L)	06/08/87-08/05/96	19##	0.05	0.049	0.1	0.015	0.	0.017	0.015	0.05	0.05	0.05
39782 LINDANE IN WHOLE WATER SAMPLE (UG/L)	06/28/82-08/05/96	30##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/28/82-10/10/96	71	0.01	0.014	0.08	0.	0.	0.014	0.001	0.005	0.02	0.03
71900 MERCURY, TOTAL (UG/L AS HG)	06/28/82-10/10/96	21##	0.1	0.164	0.6	0.	0.022	0.148	0.	0.1	0.2	0.4
77729 RAMROD WHOLE WATER,UG/L	06/08/87-08/05/96	18##	0.05	0.044	0.05	0.	0.	0.016	0.	0.05	0.05	0.05
77825 ALACHLOR WHOLE WATER,UG/L	06/08/87-08/05/96	19##	0.05	0.068	0.4	0.05	0.006	0.08	0.05	0.05	0.05	0.05
81283 BENZENEHEXACHLORIDE (6H6CL6WHOLE WATER SAMPLE UG/L	06/28/82-08/05/96	28##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
81284 TRIFLURALIN(C13H16F3N3O4) WHOLE WATER SAMPLE UG/L	06/06/94-08/05/96	6##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81408 METRIBUZIN (SENCOR), WATER, WHOLE UG/L	06/08/87-08/05/96	18##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
82052 BANVEL (DICAMBA) WHOLE WATER,UG/L	06/06/94-08/05/96	6##	0.05	0.117	0.4	0.05	0.02	0.14	**	**	**	**
82611 METRIBUZIN, WHOLE WATER, TOTAL RECOVERABLE UG/L	06/13/89-06/13/89	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: MNRR0055

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	71	1	0.01							42	1	0.02	29	0	0.00
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	282	0	0.00							167	0	0.00	115	0	0.00
00400 PH	Fresh Chronic	9.	179	8	0.04							113	7	0.06	66	1	0.02
	Other-Lo Lim.	6.5	179	6	0.03							113	3	0.03	66	3	0.05
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	33	0	0.00							17	0	0.00	16	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: MNRR0055

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	71	0	0.00							42	0	0.00	29	0	0.00
00720 CYANIDE, TOTAL	Fresh Acute	0.022	23	0	0.00							13	0	0.00	10	0	0.00
	Drinking Water	0.2	23	0	0.00							13	0	0.00	10	0	0.00
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	14	0	0.00							8	0	0.00	6	0	0.00
	Drinking Water	250.	14	0	0.00							8	0	0.00	6	0	0.00
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	41	15	0.37							27	13	0.48	14	2	0.14
01002 ARSENIC, TOTAL	Fresh Acute	360.	35	0	0.00							17	0	0.00	18	0	0.00
	Drinking Water	50.	35	0	0.00							17	0	0.00	18	0	0.00
01007 BARIUM, TOTAL	Drinking Water	2000.	15	0	0.00							15	0	0.00			
01012 BERYLLIUM, TOTAL	Fresh Acute	130.	34	0	0.00							17	0	0.00	17	0	0.00
	Drinking Water	4.	34	0	0.00							17	0	0.00	17	0	0.00
01027 CADMIUM, TOTAL	Fresh Acute	3.9	37	0	0.00							17	0	0.00	20	0	0.00
	Drinking Water	5.	37	0	0.00							17	0	0.00	20	0	0.00
01034 CHROMIUM, TOTAL	Drinking Water	100.	35	0	0.00							17	0	0.00	18	0	0.00
01042 COPPER, TOTAL	Fresh Acute	18.	37	0	0.00							17	0	0.00	20	0	0.00
	Drinking Water	1300.	37	0	0.00							17	0	0.00	20	0	0.00
01051 LEAD, TOTAL	Fresh Acute	82.	33	0	0.00							17	0	0.00	16	0	0.00
	Drinking Water	15.	33	1	0.03							17	1	0.06	16	0	0.00
01067 NICKEL, TOTAL	Fresh Acute	1400.	35	0	0.00							16	0	0.00	19	0	0.00
	Drinking Water	100.	35	0	0.00							16	0	0.00	19	0	0.00
01077 SILVER, TOTAL	Fresh Acute	4.1	30&	0	0.00							14	0	0.00	16	0	0.00
	Drinking Water	100.	33	0	0.00							15	0	0.00	18	0	0.00
01092 ZINC, TOTAL	Fresh Acute	120.	35	0	0.00							16	0	0.00	19	0	0.00
	Drinking Water	5000.	35	0	0.00							16	0	0.00	19	0	0.00
01097 ANTIMONY, TOTAL	Fresh Acute	88.	23	0	0.00							15	0	0.00	8	0	0.00
	Drinking Water	6.	21&	2	0.10							14	0	0.00	7	2	0.29
01147 SELENIUM, TOTAL	Fresh Acute	20.	24	0	0.00							20	0	0.00	4	0	0.00
	Drinking Water	50.	24	0	0.00							20	0	0.00	4	0	0.00
34361 ENDOSULFAN, ALPHA	Fresh Acute	0.22	27	0	0.00							13	0	0.00	14	0	0.00
39033 ATRAZINE IN WHOLE WATER SAMPLE	Drinking Water	3.	19	0	0.00							9	0	0.00	10	0	0.00
39055 SIMAZINE IN WHOLE WATER	Drinking Water	4.	19	0	0.00							9	0	0.00	10	0	0.00
39100 BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	Fresh Acute	2000.	8	0	0.00							4	0	0.00	4	0	0.00
	Drinking Water	6.	8	0	0.00							4	0	0.00	4	0	0.00
39330 ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	30	0	0.00							14	0	0.00	16	0	0.00
39350 CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	31	0	0.00							15	0	0.00	16	0	0.00
	Drinking Water	2.	31	0	0.00							15	0	0.00	16	0	0.00
39365 DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	30	0	0.00							14	0	0.00	16	0	0.00
39370 DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	30	0	0.00							14	0	0.00	16	0	0.00
39380 DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	30	0	0.00							14	0	0.00	16	0	0.00
39388 ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	3	0	0.00							1	0	0.00	2	0	0.00
39390 ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	30	0	0.00							14	0	0.00	16	0	0.00
	Drinking Water	2.	30	0	0.00							14	0	0.00	16	0	0.00
39400 TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	30	0	0.00							14	0	0.00	16	0	0.00
	Drinking Water	3.	30	0	0.00							14	0	0.00	16	0	0.00
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	30	0	0.00							14	0	0.00	16	0	0.00
	Drinking Water	0.2	30	0	0.00							14	0	0.00	16	0	0.00
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	30	0	0.00							14	0	0.00	16	0	0.00
39782 LINDANE IN WHOLE WATER SAMPLE	Fresh Acute	2.	30	0	0.00							14	0	0.00	16	0	0.00
	Drinking Water	0.2	30	0	0.00							14	0	0.00	16	0	0.00
71900 MERCURY, TOTAL	Fresh Acute	2.4	21	0	0.00							7	0	0.00	14	0	0.00
	Drinking Water	2.	21	0	0.00							7	0	0.00	14	0	0.00
81283 BENZENEHEXACHLORIDE, WHOLE WATER	Fresh Acute	100.	28	0	0.00							13	0	0.00	15	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1982 - Station MNRR0055

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/28/82-10/10/96	14	23.	21.536	24.	17.	8.995	2.999	17.	17.	23.725	23.95
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		06/28/82-10/10/96	5	796.	797.2	801.	794.	9.7	3.114	**	**	**	**
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	06/28/82-10/10/96	14	8.45	8.557	9.1	8.2	0.11	0.332	8.2	8.2	8.9	9.05
00400 PH (STANDARD UNITS)		06/28/82-10/10/96	5	8.2	8.24	8.3	8.2	0.003	0.055	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		06/28/82-10/10/96	5	8.2	8.237	8.3	8.2	0.003	0.055	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		06/28/82-10/10/96	5	0.006	0.006	0.006	0.005	0.	0.001	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station MNRR0055

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/28/82-10/10/96	19	14.5	16.474	25.	9.5	39.041	6.248	9.5	12.	24.	24.
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		06/28/82-10/10/96	19	750.	693.947	840.	395.	26587.719	163.057	395.	725.	770.	840.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	06/28/82-10/10/96	19	8.9	8.768	11.2	6.5	3.075	1.753	6.5	7.1	11.1	11.2
00400 PH (STANDARD UNITS)		06/28/82-10/10/96	2	8.2	8.2	8.3	8.1	0.02	0.141	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		06/28/82-10/10/96	2	8.189	8.189	8.3	8.1	0.02	0.142	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		06/28/82-10/10/96	2	0.006	0.006	0.008	0.005	0.	0.002	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1984 - Station MNRR0055

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/28/82-10/10/96	25	17.	16.58	25.	6.	35.514	5.959	6.	13.5	18.	25.
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		06/28/82-10/10/96	23	460.	409.783	485.	144.	15691.451	125.266	144.	450.	468.	485.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	06/28/82-10/10/96	25	7.8	8.852	11.6	6.6	3.629	1.905	6.78	7.7	11.	11.6
00400 PH (STANDARD UNITS)		06/28/82-10/10/96	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		06/28/82-10/10/96	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		06/28/82-10/10/96	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1985 - Station MNRR0055

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/28/82-10/10/96	22	16.	18.227	24.	14.	16.565	4.07	14.	15.5	23.	24.
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		06/28/82-10/10/96	22	396.	400.909	462.	330.	1681.991	41.012	339.3	370.	428.75	462.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	06/28/82-10/10/96	22	10.	9.736	11.5	8.4	0.527	0.726	8.53	9.2	10.	10.65
00400 PH (STANDARD UNITS)		06/28/82-10/10/96	11	8.	7.332	8.3	5.5	1.409	1.187	5.5	5.5	8.	8.28
00400 CONVERTED PH (STANDARD UNITS)		06/28/82-10/10/96	11	8.	6.06	8.3	5.5	3.187	1.785	5.5	5.5	8.	8.28
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		06/28/82-10/10/96	11	0.01	0.87	3.162	0.005	2.167	1.472	0.005	0.01	3.162	3.162

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Annual Analysis for 1986 - Station MNRR0055

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/28/82-10/10/96	16	21.5	19.125	25.	11.	30.65	5.536	11.	12.25	24.	24.3
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		06/28/82-10/10/96	16	308.	299.938	336.	250.	635.663	25.212	250.	282.75	320.	324.8
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	06/28/82-10/10/96	16	8.35	8.638	10.	7.5	0.675	0.821	7.85	8.1	9.55	10.

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Annual Analysis for 1986 - Station MNRR0055

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400 PH (STANDARD UNITS)		06/28/82-10/10/96	13	7.8	7.792	8.	7.4	0.024	0.155	7.52	7.7	7.9	8.
00400 CONVERTED PH (STANDARD UNITS)		06/28/82-10/10/96	13	7.8	7.764	8.	7.4	0.025	0.158	7.52	7.7	7.9	8.
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		06/28/82-10/10/96	13	0.016	0.017	0.04	0.01	0.	0.008	0.01	0.013	0.02	0.032

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station MNRR0055

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/28/82-10/10/96	17	19.	17.088	22.	8.	38.132	6.175	8.	8.	22.	22.
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		06/28/82-10/10/96	13	414.	392.538	440.	345.	1290.436	35.923	345.	353.	420.	432.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	06/28/82-10/10/96	17	8.6	8.859	11.	7.	2.063	1.436	7.	7.9	10.6	11.
00400 PH (STANDARD UNITS)		06/28/82-10/10/96	13	7.	7.115	8.1	6.3	0.4	0.632	6.3	6.6	7.8	8.06
00400 CONVERTED PH (STANDARD UNITS)		06/28/82-10/10/96	13	7.	6.776	8.1	6.3	0.525	0.724	6.3	6.6	7.8	8.06
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		06/28/82-10/10/96	13	0.1	0.168	0.501	0.008	0.038	0.195	0.009	0.016	0.314	0.501

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station MNRR0055

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/28/82-10/10/96	15	25.3	20.84	26.8	12.3	37.428	6.118	12.36	12.4	26.3	26.62
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		06/28/82-10/10/96	15	770.	777.6	816.	755.	525.543	22.925	756.2	757.	808.	813.6
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	06/28/82-10/10/96	15	8.5	8.607	12.8	5.8	4.674	2.162	5.86	6.3	9.1	12.8
00400 PH (STANDARD UNITS)		06/28/82-10/10/96	6	7.64	7.737	8.15	7.49	0.079	0.281	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		06/28/82-10/10/96	6	7.629	7.671	8.15	7.49	0.084	0.29	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		06/28/82-10/10/96	6	0.024	0.021	0.032	0.007	0.	0.011	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station MNRR0055

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/28/82-10/10/96	20	15.	16.28	22.	9.	27.025	5.199	9.	13.4	22.	22.
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		06/28/82-10/10/96	20	798.	816.55	880.	773.	1185.103	34.425	797.	798.	830.	880.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	06/28/82-10/10/96	20	8.6	8.6	10.1	6.5	1.236	1.112	6.55	8.2	9.3	10.09
00400 PH (STANDARD UNITS)		06/28/82-10/10/96	14	8.39	8.231	9.5	7.5	0.457	0.676	7.5	7.65	8.493	9.5
00400 CONVERTED PH (STANDARD UNITS)		06/28/82-10/10/96	14	8.39	7.897	9.5	7.5	0.577	0.759	7.5	7.65	8.493	9.5
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		06/28/82-10/10/96	14	0.004	0.013	0.032	0.	0.	0.012	0.	0.003	0.023	0.032

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station MNRR0055

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/28/82-10/10/96	20	20.	17.525	22.	7.5	28.986	5.384	7.55	16.5	21.5	22.
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		06/28/82-10/10/96	16	808.	797.438	824.	732.	908.796	30.146	732.	777.75	820.25	824.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	06/28/82-10/10/96	20	11.	10.89	14.2	5.8	8.982	2.997	5.81	9.6	13.8	14.
00400 PH (STANDARD UNITS)		06/28/82-10/10/96	14	8.4	8.557	9.2	7.6	0.212	0.46	7.9	8.275	9.	9.15
00400 CONVERTED PH (STANDARD UNITS)		06/28/82-10/10/96	14	8.4	8.322	9.2	7.6	0.271	0.521	7.9	8.275	9.	9.15
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		06/28/82-10/10/96	14	0.004	0.005	0.025	0.001	0.	0.006	0.001	0.001	0.005	0.016

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station MNRR0055

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/28/82-10/10/96	20	19.	17.475	22.	10.	21.091	4.593	10.	15.	21.875	22.
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		06/28/82-10/10/96	20	717.5	717.8	732.	707.	87.116	9.334	707.	707.	722.	732.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	06/28/82-10/10/96	16	8.6	8.881	11.2	7.4	1.966	1.402	7.4	7.575	10.475	11.06
00400 PH (STANDARD UNITS)		06/28/82-10/10/96	8	8.3	8.25	8.3	8.1	0.006	0.076	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		06/28/82-10/10/96	8	8.3	8.244	8.3	8.1	0.006	0.076	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		06/28/82-10/10/96	8	0.005	0.006	0.008	0.005	0.	0.001	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station MNRR0055

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/28/82-10/10/96	20	16.	13.25	19.5	5.	39.724	6.303	6.	6.	19.	19.5
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		06/28/82-10/10/96	20	742.	699.1	798.	501.	9695.042	98.463	501.	696.	749.	787.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	06/28/82-10/10/96	20	9.3	9.53	12.4	7.1	2.899	1.703	7.2	8.8	10.	12.38
00400 PH (STANDARD UNITS)		06/28/82-10/10/96	20	8.15	8.09	8.4	7.	0.09	0.301	7.9	8.	8.2	8.4
00400 CONVERTED PH (STANDARD UNITS)		06/28/82-10/10/96	20	8.147	7.913	8.4	7.	0.123	0.351	7.9	8.	8.2	8.4
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		06/28/82-10/10/96	20	0.007	0.012	0.1	0.004	0.	0.021	0.004	0.006	0.01	0.013

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Annual Analysis for 1993 - Station MNRR0055

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/28/82-10/10/96	19	13.7	15.542	24.5	10.	22.999	4.796	10.	13.	18.5	24.5
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		06/28/82-10/10/96	19	756.	792.947	980.	709.	9327.386	96.578	709.	725.	798.	980.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	06/28/82-10/10/96	19	9.4	9.174	10.8	6.6	1.462	1.209	7.	8.6	9.5	10.8
00400 PH (STANDARD UNITS)		06/28/82-10/10/96	17	8.6	8.535	9.1	8.01	0.133	0.364	8.018	8.165	8.85	9.02
00400 CONVERTED PH (STANDARD UNITS)		06/28/82-10/10/96	17	8.6	8.393	9.1	8.01	0.154	0.392	8.018	8.165	8.85	9.02
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		06/28/82-10/10/96	17	0.003	0.004	0.01	0.001	0.	0.003	0.001	0.001	0.007	0.01

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station MNRR0055

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/28/82-10/10/96	19	20.5	18.642	23.2	10.	23.985	4.897	10.	18.2	22.5	23.1
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		06/28/82-10/10/96	19	736.	739.684	764.	726.	146.117	12.088	726.	732.	745.	758.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	06/28/82-10/10/96	19	7.4	7.774	11.4	6.5	2.351	1.533	6.5	6.7	7.7	10.6
00400 PH (STANDARD UNITS)		06/28/82-10/10/96	15	8.	8.047	8.26	7.87	0.02	0.14	7.87	7.87	8.17	8.212
00400 CONVERTED PH (STANDARD UNITS)		06/28/82-10/10/96	15	8.	8.026	8.26	7.87	0.02	0.142	7.87	7.87	8.17	8.212
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		06/28/82-10/10/96	15	0.01	0.009	0.013	0.005	0.	0.003	0.006	0.007	0.013	0.013

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Annual Analysis for 1995 - Station MNRR0055

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/28/82-10/10/96	20	19.4	17.805	23.8	11.6	18.665	4.32	11.7	14.625	19.5	23.8
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		06/28/82-10/10/96	20	847.	842.35	907.	784.	1631.608	40.393	785.	822.75	851.	905.9
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	06/28/82-10/10/96	20	7.2	6.955	10.3	4.2	4.239	2.059	4.4	5.225	8.05	10.1

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Annual Analysis for 1995 - Station MNRR0055

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400 PH (STANDARD UNITS)	06/28/82-10/10/96	20	7.635	7.594	7.95	7.26	0.059	0.243	7.26	7.41	7.698	7.95
00400 CONVERTED PH (STANDARD UNITS)	06/28/82-10/10/96	20	7.635	7.532	7.95	7.26	0.063	0.251	7.26	7.41	7.698	7.95
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/82-10/10/96	20	0.023	0.029	0.055	0.011	0.	0.016	0.011	0.02	0.039	0.055

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Annual Analysis for 1996 - Station MNRR0055

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/82-10/10/96	20	14.2	15.89	23.4	6.8	41.776	6.463	6.8	12.4	22.875	23.3
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/28/82-10/10/96	20	791.5	799.6	851.	754.	1327.2	36.431	754.1	771.25	831.	850.9
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	06/28/82-10/10/96	20	8.55	9.335	17.8	5.1	20.526	4.531	5.2	5.825	9.7	17.5
00400 PH (STANDARD UNITS)	06/28/82-10/10/96	20	8.135	8.114	8.49	7.8	0.066	0.256	7.801	7.813	8.303	8.49
00400 CONVERTED PH (STANDARD UNITS)	06/28/82-10/10/96	20	8.133	8.046	8.49	7.8	0.07	0.265	7.801	7.813	8.302	8.49
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/82-10/10/96	20	0.007	0.009	0.016	0.003	0.	0.005	0.003	0.005	0.015	0.016

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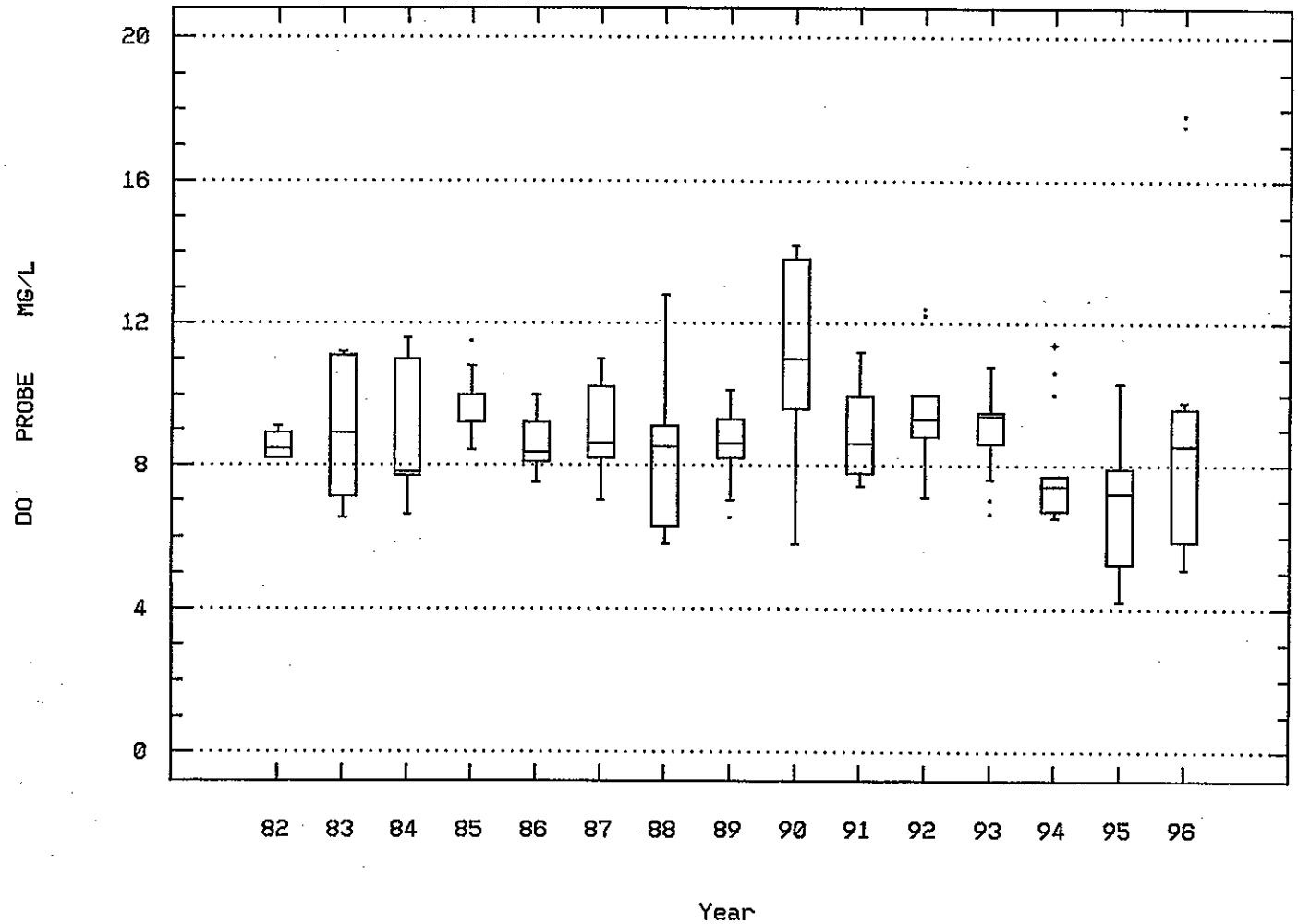
Station: MNRR0055 Parameter Code: 00299

OXYGEN ,DISSOLVED, ANALYSIS BY PROBE



LEWIS AND CLARK LAKE NR SPRINGFIELD

Seasonal Analysis for Season #3: 3/15 to 7/14 - Station MNRR0055

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/82-10/10/96	171	16.	16.065	26.8	6.	31.889	5.647	8.	11.	21.	23.6
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/28/82-10/10/96	42	21.	21.679	38.	6.	58.9	7.675	10.3	17.	28.	32.7
00032 CLOUD COVER (PERCENT)	06/28/82-08/05/96	41	50.	53.171	100.	0.	1704.395	41.284	0.	7.5	97.5	100.
00035 WIND VELOCITY (MILES PER HOUR)	06/28/82-10/10/96	42	10.	9.571	20.	0.	24.251	4.925	3.	5.	15.	15.
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/28/82-10/10/96	42	9.7	17.498	237.	0.	1299.649	36.051	0.	5.	20.	31.6
00078 TRANSPARENCY, SECCHI DISC (METERS)	08/25/82-10/10/96	38	0.5	0.855	8.	0.1	1.88	1.371	0.245	0.4	0.725	1.01
00080 COLOR (PLATINUM-COBALT UNITS)	10/04/82-07/01/96	10	12.5	13.8	40.	5.	112.178	10.591	5.	5.	16.25	38.
00090 OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	07/27/88-10/10/96	31	0.3	69.552	285.	0.1	14342.803	119.761	0.1	0.2	253.	284.
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/28/82-10/10/96	169	732.	648.627	917.	144.	41245.997	203.091	345.	445.	798.	845.
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	06/28/82-10/10/96	167	9.	9.305	17.8	5.1	4.828	2.197	6.96	7.8	10.4	11.6
00400 PH (STANDARD UNITS)	06/28/82-10/10/96	113	8.1	8.05	9.5	6.3	0.346	0.588	7.26	7.8	8.3	8.86
00400 CONVERTED PH (STANDARD UNITS)	06/28/82-10/10/96	113	8.1	7.535	9.5	6.3	0.614	0.784	7.26	7.8	8.3	8.86
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/82-10/10/96	113	0.008	0.029	0.501	0.	0.007	0.082	0.001	0.005	0.016	0.055
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/82-10/10/96	42	161.	164.929	226.	124.	390.019	19.749	147.	154.75	169.5	191.1
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/28/82-10/10/96	17	528.	544.118	732.	476.	3571.735	59.764	484.	509.	572.	634.4
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/04/82-10/10/96	23	24.	28.043	78.	8.	268.862	16.397	12.8	16.	37.	53.6
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/82-10/10/96	42	0.02	0.049	0.33	0.	0.007	0.081	0.006	0.01	0.043	0.174
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	06/28/82-10/10/96	17##	0.005	0.004	0.01	0.	0.	0.003	0.	0.	0.005	0.006
00619 AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	06/28/82-10/10/96	42##	0.005	0.005	0.02	0.	0.	0.004	0.	0.005	0.005	0.009
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	06/28/82-10/10/96	42	0.095	0.242	1.7	0.005	0.133	0.365	0.005	0.038	0.28	0.87
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/28/82-10/10/96	42	0.465	0.441	0.9	0.05	0.038	0.196	0.2	0.3	0.5	0.8
00665 PHOSPHORUS, TOTAL (MG/L AS P)	06/28/82-10/10/96	42	0.05	0.067	0.36	0.005	0.004	0.061	0.02	0.03	0.08	0.117
00720 CYANIDE, TOTAL (MG/L AS CN) MG/L	06/28/82-10/10/96	13##	0.005	0.006	0.02	0.	0.	0.006	0.	0.003	0.005	0.02
00900 HARDNESS, TOTAL (MG/L AS CACO3)	06/28/82-10/10/96	42	265.	285.119	594.	209.	5677.522	75.349	224.5	246.	284.5	383.7
00916 CALCIUM, TOTAL (MG/L AS CA)	06/28/82-08/05/96	15	63.	70.4	121.	51.	388.686	19.715	51.6	60.	72.	112.6
00927 MAGNESIUM, TOTAL (MG/L AS MG)	06/28/82-08/05/96	15	24.	26.6	55.	22.	69.114	8.314	22.	22.	26.	41.2
00929 SODIUM, TOTAL (MG/L AS NA)	06/28/82-08/05/96	15	68.	69.113	88.	55.	87.798	9.37	55.6	61.1	75.	83.8
00931 SODIUM ADSORPTION RATIO	06/28/82-08/05/96	15	2.	1.96	3.	1.	0.168	0.41	1.3	1.8	2.	2.52
00937 POTASSIUM, TOTAL MG/L AS K)	06/28/82-08/05/96	15	5.	6.133	11.	4.	4.225	2.056	4.	4.9	8.	9.8
00945 SULFATE, TOTAL (MG/L AS SO4)	10/04/82-10/10/96	27	246.	264.926	552.	161.	6435.764	80.223	203.2	214.	286.	360.2
01002 ARSENIC, TOTAL (UG/L AS AS)	06/28/82-10/10/96	17	1.	2.	7.	1.	2.5	1.581	1.	1.	2.5	4.6
01007 BARIUM, TOTAL (UG/L AS BA)	06/28/82-05/29/96	15	46.	56.2	157.	28.	920.743	30.344	35.2	43.	59.	110.8
01012 BERYLLIUM, TOTAL (UG/L AS BE)	06/28/82-10/10/96	17##	1.	0.824	1.	0.	0.154	0.393	0.	1.	1.	1.
01022 BORON, TOTAL (UG/L AS B)	06/28/82-05/29/96	15	132.	127.933	185.	17.	1504.638	38.79	68.	111.	138.	179.
01027 CADMIUM, TOTAL (UG/L AS CD)	06/28/82-10/10/96	17	0.3	0.515	2.	0.	0.288	0.537	0.	0.175	0.65	1.6
01034 CHROMIUM, TOTAL (UG/L AS CR)	06/28/82-10/10/96	17##	2.5	2.206	8.	0.	3.283	1.812	0.	1.	2.5	3.6
01042 COPPER, TOTAL (UG/L AS CU)	06/28/82-10/10/96	17##	2.5	4.088	11.	0.	7.32	2.706	2.	2.5	5.5	8.6
01045 IRON, TOTAL (UG/L AS FE)	06/28/82-10/10/96	19	679.	1343.579	8940.	312.	3745995.146	1935.457	355.	474.	1477.	2390.
01051 LEAD, TOTAL (UG/L AS PB)	06/28/82-10/10/96	17	6.	5.941	17.	0.	21.309	4.616	0.	1.5	8.	13.
01055 MANGANESE, TOTAL (UG/L AS MN)	06/28/82-10/10/96	19	83.	131.632	603.	45.	16198.357	127.273	46.	65.	155.	243.
01067 NICKEL, TOTAL (UG/L AS NI)	06/28/82-10/10/96	16	2.5	5.3	17.	0.	22.36	4.729	0.21	2.5	8.	14.2
01077 SILVER, TOTAL (UG/L AS AG)	06/28/82-10/10/96	15##	0.1	0.407	5.	0.	1.616	1.271	0.	0.1	0.1	2.06
01092 ZINC, TOTAL (UG/L AS ZN)	08/25/82-10/10/96	16	8.	14.438	52.	1.	219.196	14.805	2.4	5.25	19.25	46.4
01097 ANTIMONY, TOTAL (UG/L AS SB)	06/28/82-05/29/96	15##	1.	1.567	10.	0.	5.96	2.441	0.	1.	1.	5.8
01147 SELENIUM, TOTAL (UG/L AS SE)	06/28/82-07/01/96	20##	1.	1.8	5.	1.	1.432	1.196	1.	1.	2.75	3.9
32211 CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	10/04/82-10/10/96	15	1.	11.4	65.	0.	464.15	21.544	0.3	0.5	15.	62.6
32218 PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/07/87-10/10/96	10##	0.5	4.25	20.	0.5	46.014	6.783	0.5	0.5	8.25	19.2
32730 PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/28/82-04/30/96	14##	5.	5.357	10.	0.	5.632	2.373	2.5	5.	5.	10.
34361 ENDOSULFAN, ALPHA TOTWUG/L	06/28/82-05/30/95	13##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
39026 STROBANE,2,3,6-TRICHLOROPHEYLACETIC ACID UG/L	06/28/82-08/07/91	10##	0.05	0.19	0.4	0.05	0.033	0.181	0.05	0.05	0.4	0.4
39033 ATRAZINE IN WHOLE WATER SAMPLE UG/L	06/08/87-08/05/96	9##	0.05	0.194	0.7	0.05	0.082	0.287	0.05	0.05	0.375	0.7
39055 SIMAZINE IN WHOLE WATER (UG/L)	06/08/87-08/05/96	9##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
39330 ALDRIN IN WHOLE WATER SAMPLE (UG/L)	06/28/82-08/05/96	14##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
39350 CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	06/28/82-08/05/96	15##	0.02	0.02	0.02	0.02	0.	0.	0.02	0.02	0.02	0.02
39356 METOLACHLOR(DUAL) IN WHOLE WATER UG/L	06/08/87-08/05/96	9##	0.05	0.111	0.6	0.05	0.034	0.183	0.05	0.05	0.05	0.6
39365 DDE IN WHOLE WATER SAMPLE (UG/L)	06/28/82-08/05/96	14##	0.015	0.014	0.015	0.013	0.	0.001	0.013	0.013	0.015	0.015
39370 DDT IN WHOLE WATER SAMPLE (UG/L)	06/28/82-08/05/96	14##	0.015	0.014	0.015	0.013	0.	0.001	0.013	0.013	0.015	0.015
39380 DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/28/82-08/05/96	14##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
39390 ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/28/82-08/05/96	14##	0.015	0.014	0.015	0.013	0.	0.001	0.013	0.013	0.015	0.015

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 7/14 - Station MNRR0055

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39400 TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/28/82-08/05/96	14##	0.05	0.15	0.4	0.05	0.027	0.164	0.05	0.05	0.4	0.4
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/28/82-08/05/96	14##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/28/82-08/05/96	14##	0.02	0.02	0.02	0.02	0.	0.	0.02	0.02	0.02	0.02
39516 PCBS IN WHOLE WATER SAMPLE (UG/L)	06/28/82-08/05/96	14##	0.05	0.179	0.5	0.05	0.045	0.211	0.05	0.05	0.5	0.5
39570 DIAZINON IN WHOLE WATER SAMPLE (UG/L)	06/08/87-08/05/96	9##	0.05	0.046	0.05	0.015	0.	0.012	0.015	0.05	0.05	0.05
39782 LINDANE IN WHOLE WATER SAMPLE (UG/L)	06/28/82-08/05/96	14##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/28/82-10/10/96	42	0.01	0.013	0.05	0.	0.	0.011	0.001	0.005	0.02	0.027
71900 MERCURY, TOTAL (UG/L AS HG)	06/28/82-10/10/96	7	0.1	0.229	0.6	0.	0.056	0.236	**	**	**	**
77729 RAMROD WHOLE WATER,UG/L	06/08/87-08/05/96	8##	0.05	0.044	0.05	0.	0.	0.018	**	**	**	**
77825 ALACHLOR WHOLE WATER,UG/L	06/08/87-08/05/96	9##	0.05	0.089	0.4	0.05	0.014	0.117	0.05	0.05	0.05	0.4
81283 BENZENEHEXACHLORIDE (6H6CL6WHOLE WATER SAMPLE UG/L	06/28/82-08/05/96	13##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
81408 METRIBUZIN (SENCOR). WATER, WHOLE UG/L	06/08/87-08/05/96	8##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 7/15 to 11/19 - Station MNRR0055

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/82-10/10/96	115	20.	19.183	25.7	5.	24.248	4.924	12.4	14.2	23.	24.5
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/28/82-10/10/96	27	23.	22.222	34.	9.	40.487	6.363	11.6	18.	26.	30.4
00032 CLOUD COVER (PERCENT)	06/28/82-08/05/96	27	10.	29.148	100.	0.	1458.823	38.195	0.	0.	50.	100.
00035 WIND VELOCITY (MILES PER HOUR)	06/28/82-10/10/96	27	10.	9.741	20.	3.	28.199	5.31	3.8	5.	15.	18.4
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/28/82-10/10/96	29	6.	7.476	37.	0.	49.098	7.007	0.	4.55	9.	16.
00078 TRANSPARENCY, SECCHI DISC (METERS)	08/25/82-10/10/96	28	0.86	0.811	1.3	0.2	0.054	0.233	0.5	0.7	1.	1.
00080 COLOR (PLATINUM-COBALT UNITS)	10/04/82-07/01/96	6	6.5	7.167	10.	5.	6.167	2.483	**	**	**	**
00090 OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	07/27/88-10/10/96	44	0.2	71.127	780.	0.2	51418.662	226.757	0.2	0.2	0.3	390.15
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/28/82-10/10/96	98	755.5	681.133	980.	285.	30834.322	175.597	395.	485.	793.25	831.
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	06/28/82-10/10/96	115	8.5	8.315	14.2	4.2	3.745	1.935	5.8	7.1	9.3	10.5
00400 PH (STANDARD UNITS)	06/28/82-10/10/96	66	8.	7.872	9.1	5.5	0.39	0.625	7.417	7.69	8.2	8.4
00400 CONVERTED PH (STANDARD UNITS)	06/28/82-10/10/96	66	8.	6.804	9.1	5.5	1.549	1.245	7.417	7.69	8.2	8.4
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/82-10/10/96	66	0.01	0.157	3.162	0.001	0.437	0.661	0.004	0.006	0.02	0.038
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/82-10/10/96	29	165.	165.621	188.	150.	79.458	8.914	153.	159.	170.	180.
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/28/82-10/10/96	16	553.	538.625	618.	422.	2655.45	51.531	459.8	493.5	580.5	595.6
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/04/82-10/10/96	14	13.5	15.	27.	6.	40.	6.325	7.	10.75	19.5	26.5
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/82-10/10/96	29##	0.01	0.025	0.14	0.	0.001	0.031	0.005	0.01	0.03	0.06
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	06/28/82-10/10/96	16##	0.005	0.007	0.05	0.	0.	0.012	0.	0.	0.005	0.022
00619 AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	06/28/82-10/10/96	29##	0.005	0.004	0.01	0.	0.	0.002	0.	0.003	0.005	0.005
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	06/28/82-10/10/96	29	0.09	0.198	1.61	0.005	0.103	0.321	0.01	0.035	0.195	0.62
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/28/82-10/10/96	29	0.3	0.401	1.3	0.05	0.067	0.258	0.1	0.3	0.5	0.8
00665 PHOSPHORUS, TOTAL (MG/L AS P)	06/28/82-10/10/96	29	0.04	0.069	0.34	0.	0.008	0.087	0.01	0.02	0.06	0.26
00720 CYANIDE, TOTAL (MG/L AS CN) MG/L	06/28/82-10/10/96	10##	0.005	0.004	0.005	0.	0.	0.002	0.	0.004	0.005	0.005
00900 HARDNESS, TOTAL (MG/L AS CACO3)	06/28/82-10/10/96	29	255.	257.966	315.	230.	458.32	21.408	231.	239.5	269.	289.
00916 CALCIUM, TOTAL (MG/L AS CA)	06/28/82-08/05/96	15	64.	67.733	128.	54.	314.067	17.722	55.2	58.	70.	96.2
00927 MAGNESIUM, TOTAL (MG/L AS MG)	06/28/82-08/05/96	15	23.	24.467	47.	19.	42.124	6.49	19.6	22.	25.	33.8
00929 SODIUM, TOTAL (MG/L AS NA)	06/28/82-08/05/96	15	74.	75.68	92.	66.	63.593	7.975	66.6	68.	80.	89.
00931 SODIUM ADSORPTION RATIO	06/28/82-08/05/96	14	2.	1.993	2.4	1.	0.099	0.315	1.5	2.	2.05	2.35
00937 POTASSIUM, TOTAL MG/L AS K)	06/28/82-08/05/96	14	6.	6.543	13.	5.	5.233	2.288	5.	5.	7.	11.5
00945 SULFATE, TOTAL (MG/L AS SO4)	10/04/82-10/10/96	14	226.5	229.714	310.	184.	843.912	29.05	194.	210.75	241.75	280.
01002 ARSENIC, TOTAL (UG/L AS AS)	06/28/82-10/10/96	18	2.	2.	4.	1.	0.941	0.97	1.	1.	2.25	4.
01012 BERYLLIUM, TOTAL (UG/L AS BE)	06/28/82-10/10/96	17##	1.	0.941	1.	0.	0.059	0.243	0.8	1.	1.	1.
01022 BORON, TOTAL (UG/L AS B)	06/28/82-05/29/96	8	134.	156.625	271.	117.	2898.268	53.836	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	06/28/82-10/10/96	20##	0.2	0.5	2.	0.	0.342	0.585	0.1	0.1	0.875	1.5
01034 CHROMIUM, TOTAL (UG/L AS CR)	06/28/82-10/10/96	18##	2.5	3.444	10.	0.	7.673	2.77	0.9	2.5	3.375	10.
01042 COPPER, TOTAL (UG/L AS CU)	06/28/82-10/10/96	20##	2.5	3.55	12.	2.5	5.339	2.311	2.5	2.5	3.75	6.
01045 IRON, TOTAL (UG/L AS FE)	06/28/82-10/10/96	24	469.	577.667	2916.	139.	294450.406	542.633	239.	300.75	590.25	931.5
01051 LEAD, TOTAL (UG/L AS PB)	06/28/82-10/10/96	16	2.25	3.281	11.	0.	11.199	3.346	0.	1.	5.	10.3
01055 MANGANESE, TOTAL (UG/L AS MN)	06/28/82-10/10/96	24	51.5	81.958	630.	29.	14389.085	119.955	32.	39.25	74.25	130.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 7/15 to 11/19 - Station MNRR0055

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01067 NICKEL, TOTAL (UG/L AS NI)	06/28/82-10/10/96	19##	5.	5.158	15.	0.	13.696	3.701	2.5	2.5	7.	10.
01077 SILVER, TOTAL (UG/L AS AG)	06/28/82-10/10/96	18##	0.1	0.706	5.	0.	2.495	1.579	0.	0.1	0.2	5.
01092 ZINC, TOTAL (UG/L AS ZN)	08/25/82-10/10/96	19	5.	5.395	14.	1.	10.405	3.226	1.	3.	7.	10.
01097 ANTIMONY, TOTAL (UG/L AS SB)	06/28/82-05/29/96	8##	1.75	15.688	71.	0.	671.781	25.919	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	06/28/82-07/01/96	4##	1.	1.375	2.5	1.	0.563	0.75	**	**	**	**
32211 CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	10/04/82-10/10/96	25	2.	29.44	580.	0.	13250.486	115.111	0.3	0.5	8.	32.4
32218 PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/07/87-10/10/96	18	5.	19.278	98.	0.5	799.536	28.276	0.5	0.5	30.	71.
32730 PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/28/82-04/30/96	2##	5.	5.	5.	5.	0.	0.	**	**	**	**
34361 ENDOSULFAN, ALPHA TOTWUG/L	06/28/82-05/30/95	14##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
39026 STROBANE,2,3,6-TRICHLOROPHEYLACETIC ACID UG/L	06/28/82-08/07/91	11##	0.05	0.209	0.4	0.05	0.033	0.183	0.05	0.05	0.4	0.4
39033 ATRAZINE IN WHOLE WATER SAMPLE UG/L	06/08/87-08/05/96	10##	0.05	0.09	0.2	0.05	0.004	0.061	0.05	0.05	0.125	0.2
39055 SIMAZINE IN WHOLE WATER (UG/L)	06/08/87-08/05/96	10##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
39330 ALDRIN IN WHOLE WATER SAMPLE (UG/L)	06/28/82-08/05/96	16##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
39350 CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	06/28/82-08/05/96	16##	0.02	0.02	0.02	0.02	0.	0.	0.02	0.02	0.02	0.02
39356 METOLACHLOR(DUAL) IN WHOLE WATER UG/L	06/08/87-08/05/96	10##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
39365 DDE IN WHOLE WATER SAMPLE (UG/L)	06/28/82-08/05/96	16##	0.015	0.014	0.015	0.013	0.	0.001	0.013	0.013	0.015	0.015
39370 DDT IN WHOLE WATER SAMPLE (UG/L)	06/28/82-08/05/96	16##	0.015	0.014	0.015	0.013	0.	0.001	0.013	0.013	0.015	0.015
39380 DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/28/82-08/05/96	16##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
39390 ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/28/82-08/05/96	16##	0.015	0.014	0.015	0.013	0.	0.001	0.013	0.013	0.015	0.015
39400 TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/28/82-08/05/96	16##	0.05	0.159	0.4	0.05	0.028	0.168	0.05	0.05	0.4	0.4
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/28/82-08/05/96	16##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/28/82-08/05/96	16##	0.02	0.02	0.02	0.02	0.	0.	0.02	0.02	0.02	0.02
39516 PCBS IN WHOLE WATER SAMPLE (UG/L)	06/28/82-08/05/96	16##	0.05	0.191	0.5	0.05	0.046	0.215	0.05	0.05	0.5	0.5
39570 DIAZINON IN WHOLE WATER SAMPLE (UG/L)	06/08/87-08/05/96	10##	0.05	0.052	0.1	0.015	0.	0.02	0.019	0.05	0.05	0.095
39782 LINDANE IN WHOLE WATER SAMPLE (UG/L)	06/28/82-08/05/96	16##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/28/82-10/10/96	29	0.01	0.015	0.08	0.	0.	0.018	0.	0.005	0.02	0.03
71900 MERCURY, TOTAL (UG/L AS HG)	06/28/82-10/10/96	14##	0.1	0.132	0.25	0.	0.004	0.067	0.05	0.1	0.2	0.225
77729 RAMROD WHOLE WATER,UG/L	06/08/87-08/05/96	10##	0.05	0.045	0.05	0.	0.	0.016	0.005	0.05	0.05	0.05
77825 ALACHLOR WHOLE WATER,UG/L	06/08/87-08/05/96	10##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
81283 BENZENEHEXACHLORIDE (6H6CL6WHOLE WATER SAMPLE UG/L	06/28/82-08/05/96	15##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
81408 METRIBUZIN (SENCOR), WATER, WHOLE UG/L	06/08/87-08/05/96	10##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: MNRR0056

NPS Station ID: MNRR0056 LAT/LON: 42.834171/ -97.881948 Agency: 121MBRCE Date Created: 04/03/93
Location: LEWIS AND CLARK LAKE NR SPRINGFIELD FIPS State/County: 46009 SOUTH DAKOTA/BON HOMME
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 460833
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 10170101 Depth of Water: 2 Aquifer:
Major Basin: MISSOURI RIVER Elevation: 0 Water Body Id:
Minor Basin: LOWER MISSOURI R FROM NIOBRARA R ECO Region:
RF1 Index: 10170101027 RF1 Mile Point: 4.380 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 10170203001300.00 RF3 Mile Point: 6.56 Distance from RF3: 0.09 On/Off RF3:
Description:

Parameter Inventory for Station: MNRR0056

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01002 ARSENIC, TOTAL (UG/L AS AS)	03/11/92-03/11/92	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	03/11/92-03/11/92	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	03/11/92-03/11/92	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/11/92-03/11/92	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/11/92-03/11/92	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	03/11/92-03/11/92	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	03/11/92-03/11/92	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	03/11/92-03/11/92	1##	2.	2.	2.	2.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	03/11/92-03/11/92	1##	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/11/92-03/11/92	1	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	03/11/92-03/11/92	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	03/11/92-03/11/92	1	25.5	25.5	25.5	25.5	0.	0.	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	03/11/92-03/11/92	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01148 SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	03/11/92-03/11/92	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34259 DELTA BENZENE HEXACHLORIDE TOTWUG/L	03/11/92-03/11/92	1##	0.045	0.045	0.045	0.045	0.	0.	**	**	**	**
34262 DELTA BENZENE HEXACHLORIDE DRY WGTBOTUG/KG	03/11/92-03/11/92	1##	3.	3.	3.	3.	0.	0.	**	**	**	**
34359 ENDOSULFAN, BETA DRY WGTBOTUG/KG	03/11/92-03/11/92	1##	1.35	1.35	1.35	1.35	0.	0.	**	**	**	**
34361 ENDOSULFAN, ALPHA TOTWUG/L	03/11/92-03/11/92	1##	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
34671 PCB - 1016 TOTWUG/L	03/11/92-03/11/92	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39076 BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	03/11/92-03/11/92	1	16.	16.	16.	16.	0.	0.	**	**	**	**
39320 P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	03/11/92-03/11/92	1##	0.055	0.055	0.055	0.055	0.	0.	**	**	**	**
39330 ALDRIN IN WHOLE WATER SAMPLE (UG/L)	03/11/92-03/11/92	1##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39333 ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	03/11/92-03/11/92	1##	1.35	1.35	1.35	1.35	0.	0.	**	**	**	**
39337 ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	03/11/92-03/11/92	1##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
39338 BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	03/11/92-03/11/92	1##	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
39343 GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	03/11/92-03/11/92	1##	1.35	1.35	1.35	1.35	0.	0.	**	**	**	**
39350 CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	03/11/92-03/11/92	1##	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
39351 CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	03/11/92-03/11/92	1##	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
39356 METOLACHLOR(DUAL) IN WHOLE WATER UG/L	03/11/92-03/11/92	1##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39365 DDE IN WHOLE WATER SAMPLE (UG/L)	03/11/92-03/11/92	1##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39370 DDT IN WHOLE WATER SAMPLE (UG/L)	03/11/92-03/11/92	1##	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
39380 DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	03/11/92-03/11/92	1##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39383 DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	03/11/92-03/11/92	1##	0.65	0.65	0.65	0.65	0.	0.	**	**	**	**
39389 ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	03/11/92-03/11/92	1##	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
39390 ENDRIN IN WHOLE WATER SAMPLE (UG/L)	03/11/92-03/11/92	1##	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
39393 ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	03/11/92-03/11/92	1##	2.	2.	2.	2.	0.	0.	**	**	**	**
39400 TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	03/11/92-03/11/92	1##	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
39403 TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	03/11/92-03/11/92	1##	80.5	80.5	80.5	80.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: MNRR0056

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	03/11/92-03/11/92	1	0.83	0.83	0.83	0.83	0.	0.	**	**	**	**
39423 HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	03/11/92-03/11/92	1##	27.8	27.8	27.8	27.8	0.	0.	**	**	**	**
39481 METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	03/11/92-03/11/92	1##	59.	59.	59.	59.	0.	0.	**	**	**	**
39488 PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	03/11/92-03/11/92	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39491 PCB - 1221 BOT. DEP.,PCB SERIES DRY SOL UG/KG	03/11/92-03/11/92	1##	40.	40.	40.	40.	0.	0.	**	**	**	**
39492 PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	03/11/92-03/11/92	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39495 PCB - 1232 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	03/11/92-03/11/92	1##	40.	40.	40.	40.	0.	0.	**	**	**	**
39496 PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	03/11/92-03/11/92	1##	0.325	0.325	0.325	0.325	0.	0.	**	**	**	**
39499 PCB - 1242 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	03/11/92-03/11/92	1##	21.8	21.8	21.8	21.8	0.	0.	**	**	**	**
39503 PCB - 1248 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	03/11/92-03/11/92	1##	40.	40.	40.	40.	0.	0.	**	**	**	**
39504 PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	03/11/92-03/11/92	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39507 PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	03/11/92-03/11/92	1##	80.	80.	80.	80.	0.	0.	**	**	**	**
39508 PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	03/11/92-03/11/92	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39511 PCB - 1260 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	03/11/92-03/11/92	1##	80.	80.	80.	80.	0.	0.	**	**	**	**
39514 PCB - 1016 IN BOTTOM SEDIMENTS DRY WT UG/KG	03/11/92-03/11/92	1##	40.	40.	40.	40.	0.	0.	**	**	**	**
39570 DIAZINON IN WHOLE WATER SAMPLE (UG/L)	03/11/92-03/11/92	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39782 LINDANE IN WHOLE WATER SAMPLE (UG/L)	03/11/92-03/11/92	1##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
61470 HEPTACHLOR. SLUDGE SOLID FRACTN. DRY WT. UG/KG	03/11/92-03/11/92	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
61471 HEPTACHLOR SLUDGE TOTAL FRACTION UG/L	03/11/92-03/11/92	1##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
61476 P,P'DDT. SLUDGE SOLID FRACTN. DRY WT. UG/KG	03/11/92-03/11/92	1##	4.	4.	4.	4.	0.	0.	**	**	**	**
61479 P,P'DDE. SLUDGE SOLID FRACTN. DRY WT. UG/KG	03/11/92-03/11/92	1##	1.35	1.35	1.35	1.35	0.	0.	**	**	**	**
61482 P,P'DDD. SLUDGE SOLID FRACTN. DRY WT. UG/KG	03/11/92-03/11/92	1##	3.75	3.75	3.75	3.75	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	03/11/92-03/11/92	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	03/11/92-03/11/92	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
73365 BETA-BHC. DRY WEIGHT. REGOLITH UG/KG	03/11/92-03/11/92	1##	2.	2.	2.	2.	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: MNRR0056

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
01002 ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00				1	0	0.00						
	Drinking Water	50.	1	0	0.00				1	0	0.00						
01027 CADMIUM, TOTAL	Fresh Acute	3.9	0&	0	0.00												
	Drinking Water	5.	0&	0	0.00												
01034 CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
01051 LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
	Drinking Water	15.	1	0	0.00				1	0	0.00						
01067 NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
	Drinking Water	100.	1	0	0.00				1	0	0.00						
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
	Drinking Water	5000.	1	0	0.00				1	0	0.00						
01147 SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00				1	0	0.00						
	Drinking Water	50.	1	0	0.00				1	0	0.00						
34361 ENDOSULFAN, ALPHA	Fresh Acute	0.22	1	0	0.00				1	0	0.00						
39320 P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00				1	0	0.00						
39330 ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00				1	0	0.00						
39350 CHLORDANE(TECH MIX & METABS). WHOLE WATE	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
	Drinking Water	2.	1	0	0.00				1	0	0.00						
39365 DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00				1	0	0.00						
39370 DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00				1	0	0.00						
39380 DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00				1	0	0.00						
39390 ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00				1	0	0.00						
	Drinking Water	2.	1	0	0.00				1	0	0.00						
39400 TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	0&	0	0.00												
	Drinking Water	3.	1	0	0.00				1	0	0.00						
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	1	1.00				1	1	1.00						
	Drinking Water	0.2	1	1	1.00				1	1	1.00						
39782 LINDANE IN WHOLE WATER SAMPLE	Fresh Acute	2.	1	0	0.00				1	0	0.00						
	Drinking Water	0.2	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: MNRR0056

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
	Drinking Water	2.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: MNRR0057

NPS Station ID: MNRR0057
Location: LOST CREEK
Station Type: /TYPA/AMBNT/STREAM/BIO
RMI-Indexes:
RMI-Miles:
HUC: 10170101
Major Basin:
Minor Basin:
RF1 Index: 10170101
RF3 Index: 10170101106800.00
Description:

LAT/LON: 42.765281/ -97.916392

Depth of Water: 0
Elevation: 0

RF1 Mile Point: 0.000
RF3 Mile Point: 1.01

Agency: 21NEB001
FIPS State/County: 31107 NEBRASKA/KNOX
STORET Station ID(s): MT2118
Within Park Boundary: No

Aquifer:
Water Body Id: NEMT2-12410
ECO Region: 46G
Distance from RF1: 9.80
Distance from RF3: 0.04

Date Created: 04/16/88

On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: MNRR0057

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: MNRR0058

NPS Station ID: MNRR0058 LAT/LON: 42.766392/ -97.920004 Agency: 112WRD Date Created: 11/24/90
Location: LOST CR NR NIOBRARA, NE FIPS State/County: 31107 NEBRASKA/KNOX
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 424559097551200
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 10170101 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 10170101 RF1 Mile Point: 0.000 Distance from RF1: 3.00 On/Off RF1:
RF3 Index: 10170101005901.96 RF3 Mile Point: 2.35 Distance from RF3: 0.17 On/Off RF3:
Description:

Parameter Inventory for Station: MNRR0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/23/90-04/23/90	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		04/23/90-04/23/90	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00025 BAROMETRIC PRESSURE (MM OF HG)		04/23/90-04/23/90	1	719.	719.	719.	719.	0.	0.	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	04/23/90-04/23/90	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)		04/23/90-04/23/90	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/23/90-04/23/90	1	1390.	1390.	1390.	1390.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	04/23/90-04/23/90	1	9.2	9.2	9.2	9.2	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)		04/23/90-04/23/90	1	8.21	8.21	8.21	8.21	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		04/23/90-04/23/90	1	8.21	8.21	8.21	8.21	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/23/90-04/23/90	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	04/23/90-04/23/90	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		04/23/90-04/23/90	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/23/90-04/23/90	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)		04/23/90-04/23/90	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		04/23/90-04/23/90	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)		04/23/90-04/23/90	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		04/23/90-04/23/90	1	220.	220.	220.	220.	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		04/23/90-04/23/90	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		04/23/90-04/23/90	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)		04/23/90-04/23/90	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	04/23/90-04/23/90	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		04/23/90-04/23/90	1	550.	550.	550.	550.	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)		04/23/90-04/23/90	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)		04/23/90-04/23/90	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01000 ARSENIC, DISSOLVED (UG/L AS AS)		04/23/90-04/23/90	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01020 BORON, DISSOLVED (UG/L AS B)		04/23/90-04/23/90	1	170.	170.	170.	170.	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)		04/23/90-04/23/90	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01090 ZINC, DISSOLVED (UG/L AS ZN)		04/23/90-04/23/90	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01145 SELENIUM, DISSOLVED (UG/L AS SE)		04/23/90-04/23/90	1	6.	6.	6.	6.	0.	0.	**	**	**	**
31625 FECAL COLIFORM, MF,M-FC, 0.7 UM		04/23/90-04/23/90	1	1700.	1700.	1700.	1700.	0.	0.	**	**	**	**
31625 LOG FECAL COLIFORM, MF,M-FC, 0.7 UM		04/23/90-04/23/90	1	3.23	3.23	3.23	3.23	0.	0.	**	**	**	**
31625 GM FECAL COLIFORM, MF,M-FC, 0.7 UM			GEOMETRIC MEAN =		1700.								
31673 FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		04/23/90-04/23/90	1	2900.	2900.	2900.	2900.	0.	0.	**	**	**	**
31673 LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		04/23/90-04/23/90	1	3.462	3.462	3.462	3.462	0.	0.	**	**	**	**
31673 GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR			GEOMETRIC MEAN =		2900.								
39024 PROPAZINE,COULSON CONDUCTIVITY,WATER SAMPL(UG/L)		04/23/90-04/23/90	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39030 TREFLAN, MICROCOULOMETRIC,WATER SAMPLE (UG/L)		04/23/90-04/23/90	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39054 SIMETRYNE IN WHOLE WATER (UG/L)		04/23/90-04/23/90	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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Parameter Inventory for Station: MNRR0058

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39055 SIMAZINE IN WHOLE WATER (UG/L)	04/23/90-04/23/90	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39056 PROMETONE IN WHOLE WATER (UG/L)	04/23/90-04/23/90	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39057 PROMETRYNE IN WHOLE WATER (UG/L)	04/23/90-04/23/90	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39630 ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	04/23/90-04/23/90	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
77825 ALACHLOR WHOLE WATER,UG/L	04/23/90-04/23/90	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81757 CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	04/23/90-04/23/90	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82184 AMETRYNE (GESAPAX OR EVIK) TOTAL UG/L	04/23/90-04/23/90	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82611 METRIBUZIN, WHOLE WATER, TOTAL RECOVERABLE UG/L	04/23/90-04/23/90	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82612 METOLACHLOR, WHOLE WATER, TOTAL RECOVERABLE UG/L	04/23/90-04/23/90	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: MNRR0058

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400 PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
	Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00403 PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
	Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00631 NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
	Drinking Water	250.	1	0	0.00							1	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	1	1.00							1	1	1.00			
00950 FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
01000 ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00							1	0	0.00			
	Drinking Water	50.	1	0	0.00							1	0	0.00			
01090 ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00							1	0	0.00			
	Drinking Water	5000.	1	0	0.00							1	0	0.00			
01145 SELENIUM, DISSOLVED	Fresh Acute	20.	1	0	0.00							1	0	0.00			
	Drinking Water	50.	1	0	0.00							1	0	0.00			
31625 FECAL COLIFORM, MF	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			
39055 SIMAZINE IN WHOLE WATER	Drinking Water	4.	1	0	0.00							1	0	0.00			
39630 ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: MNRR0059

NPS Station ID: MNRR0059
Location: BAZILE CREEK
Station Type: /TYPA/AMBNT/STREAM/BIO
RMI-Indexes:
RMI-Miles:
HUC: 10170101
Major Basin:
Minor Basin:
RF1 Index: 10170101
RF3 Index: 10170101109100.00
Description:

LAT/LON: 42.741948/ -97.929726
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 0.44

Agency: 21NEB001
FIPS State/County: 31107 NEBRASKA/KNOX
STORET Station ID(s): MT2119
Within Park Boundary: No
Aquifer:
Water Body Id: NEMT2-12400
ECO Region: 46G
Distance from RF1: 6.60
Distance from RF3: 0.01

Date Created: 02/23/91
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: MNRR0059

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: MNRR0060

NPS Station ID: MNRR0060 LAT/LON: 42.758892/ -97.945281 Agency: 21NEB001 Date Created: / /
Location: BAZILE CREEK AT NIOBRARA FIPS State/County: 31107 NEBRASKA/KNOX
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 301157
RMI-Indexes: 1021500 Within Park Boundary: No
RMI-Miles: 1149.40
HUC: 10170101 Depth of Water: 0 Aquifer:
Major Basin: MISSOURI RIVER Elevation: 0 Water Body Id:
Minor Basin: LOWER MISSOURI ECO Region:
RF1 Index: 10170101059 RF1 Mile Point: 1.870 Distance from RF1: 10.30 On/Off RF1: ON
RF3 Index: 10150007031600.00 RF3 Mile Point: 2.00 Distance from RF3: 0.12 On/Off RF3:
Description:
T32N R05W SEC7CD KNOX COUNTY 3.6 MILES E OF NIOBRARA ON HWY 12 BR 11-30-76

Parameter Inventory for Station: MNRR0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		05/16/68-11/29/77	42	18.	16.56	33.	0.1	104.383	10.217	0.62	6.375	25.15	29.35
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		08/30/68-11/29/77	40	20.	17.65	33.	-7.	118.214	10.873	3.2	9.	27.375	30.59
00032 CLOUD COVER (PERCENT)		05/27/70-12/14/76	31	15.	37.581	100.	0.	1663.118	40.781	0.	0.	90.	100.
00060 FLOW, STREAM, MEAN DAILY	CFS	05/16/68-09/21/77	40	37.5	53.335	181.	0.4	1827.545	42.75	11.1	20.25	83.5	124.5
00070 TURBIDITY, (JACKSON CANDLE UNITS)		05/16/68-11/29/77	41	29.	53.978	408.	4.	5965.895	77.239	6.2	12.5	63.	135.4
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/16/68-11/29/77	42	537.5	538.143	800.	405.	7848.808	88.594	432.2	473.75	570.	678.5
00300 OXYGEN, DISSOLVED	MG/L	05/16/68-11/29/77	42	8.95	9.557	13.2	6.8	3.496	1.87	7.29	8.	11.4	12.47
00310 BOD, 5 DAY, 20 DEG C	MG/L	10/03/73-11/29/77	30	1.4	1.743	5.4	0.2	1.356	1.165	0.51	0.9	2.2	3.4
00340 COD, .25N K2CR2O7	MG/L	02/04/74-11/29/77	29	13.	18.862	175.	0.	1073.48	32.764	0.	0.	19.5	36.
00400 PH (STANDARD UNITS)		08/30/68-11/29/77	39	8.2	8.128	9.2	6.8	0.216	0.465	7.5	7.9	8.5	8.5
00400 CONVERTED PH (STANDARD UNITS)		08/30/68-11/29/77	39	8.2	7.822	9.2	6.8	0.313	0.559	7.5	7.9	8.5	8.5
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/30/68-11/29/77	39	0.006	0.015	0.158	0.001	0.001	0.028	0.003	0.003	0.013	0.032
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/16/68-07/09/75	23	232.	221.739	292.	136.	1568.02	39.598	153.6	201.	252.	262.8
00500 RESIDUE, TOTAL (MG/L)		05/16/68-08/30/68	2	529.	529.	532.	526.	18.	4.243	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)		05/16/68-08/30/68	2	116.	116.	142.	90.	1352.	36.77	**	**	**	**
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		08/30/68-11/29/77	40	369.	365.225	516.	146.	4998.743	70.702	281.	325.25	401.	468.6
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		01/12/76-11/29/77	19	34.	55.947	212.	8.	2730.942	52.258	10.	26.	72.	140.
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		10/03/73-11/29/77	19	0.005	0.053	0.5	0.	0.013	0.115	0.	0.	0.07	0.1
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/16/68-11/29/77	40	1.9	1.823	3.2	0.2	0.483	0.695	0.64	1.4	2.2	2.7
00650 PHOSPHATE, TOTAL (MG/L AS PO4)		05/16/68-10/04/72	8	0.35	0.475	1.4	0.1	0.165	0.406	**	**	**	**
00660 PHOSPHATE, ORTHO (MG/L AS PO4)		01/12/76-11/29/77	19	0.1	0.102	0.2	0.	0.003	0.055	0.	0.1	0.1	0.2
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/16/68-07/09/75	23	272.	274.13	386.	145.	3262.391	57.117	186.4	241.	310.	356.2
00915 CALCIUM, DISSOLVED (MG/L AS CA)		08/30/68-07/09/75	21	80.	78.476	111.	20.	349.462	18.694	62.4	70.	91.5	102.
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		08/30/68-07/09/75	21	19.	18.857	24.	9.	11.929	3.454	14.2	17.	21.	23.
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-11/29/77	40	16.	17.475	29.	14.	13.281	3.644	15.	15.	17.75	25.8
00931 SODIUM ADSORPTION RATIO		05/16/68-07/09/75	22	0.4	0.5	0.8	0.4	0.019	0.138	0.4	0.4	0.6	0.77
00935 POTASSIUM, DISSOLVED (MG/L AS K)		05/16/68-07/09/75	22	8.	8.	11.	5.	2.667	1.633	6.	7.	9.25	10.7
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-11/29/77	41	5.	5.707	20.	4.	6.612	2.571	4.	5.	6.	6.8
00945 SULFATE, TOTAL (MG/L AS SO4)		05/16/68-07/09/75	23	68.	84.696	188.	8.	1641.676	40.518	37.8	64.	111.	140.4
00950 FLUORIDE, DISSOLVED (MG/L AS F)		05/16/68-08/30/68	2	0.265	0.265	0.28	0.25	0.	0.021	**	**	**	**
01020 BORON, DISSOLVED (UG/L AS B)		05/16/68-08/30/68	2	50.	50.	100.	0.	5000.	70.711	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)		05/16/68-08/30/68	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)		05/16/68-08/30/68	2	3200.	3200.	4400.	2000.	2880000.	1697.056	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)		05/16/68-05/16/68	1	400.	400.	400.	400.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)		05/16/68-08/30/68	2	100.	100.	100.	100.	0.	0.	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		06/07/73-11/29/77	30	215.	962.35	15700.	0.	8429322.02	2903.329	0.	32.875	454.25	1721.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: MNRR0060

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/07/73-11/29/77	30	2.331	2.082	4.196	0.	1.119	1.058	0.	1.517	2.657	3.235
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	120.757								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: MNRR0060

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	41	11	0.27	5	0	0.00	3	1	0.33	15	6	0.40	18	4	0.22
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	42	0	0.00	5	0	0.00	3	0	0.00	15	0	0.00	19	0	0.00
00400 PH	Fresh Chronic	9.	39	1	0.03	4	0	0.00	3	0	0.00	13	1	0.08	19	0	0.00
	Other-Lo Lim.	6.5	39	0	0.00	4	0	0.00	3	0	0.00	13	0	0.00	19	0	0.00
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	40	0	0.00	5	0	0.00	3	0	0.00	14	0	0.00	18	0	0.00
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	41	0	0.00	5	0	0.00	3	0	0.00	15	0	0.00	18	0	0.00
	Drinking Water	250.	41	0	0.00	5	0	0.00	3	0	0.00	15	0	0.00	18	0	0.00
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	23	0	0.00	2	0	0.00	2	0	0.00	9	0	0.00	10	0	0.00
00950 FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00							1	0	0.00	1	0	0.00
01042 COPPER, TOTAL	Fresh Acute	18.	2	0	0.00							1	0	0.00	1	0	0.00
	Drinking Water	1300.	2	0	0.00							1	0	0.00	1	0	0.00
01092 ZINC, TOTAL	Fresh Acute	120.	2	0	0.00							1	0	0.00	1	0	0.00
	Drinking Water	5000.	2	0	0.00							1	0	0.00	1	0	0.00
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	30	15	0.50	4	2	0.50	3	0	0.00	11	7	0.64	12	6	0.50

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 11/20 to 1/14 - Station MNRR0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060 FLOW, STREAM, MEAN DAILY	CFS	05/16/68-09/21/77	4	38.5	48.75	85.	33.	598.917	24.473	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/16/68-07/09/75	2	240.	240.	243.	237.	18.	4.243	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/16/68-07/09/75	2	319.5	319.5	340.	299.	840.5	28.991	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/16/68-07/09/75	2	91.5	91.5	111.	72.	760.5	27.577	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 3/14 - Station MNRR0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060 FLOW, STREAM, MEAN DAILY	CFS	05/16/68-09/21/77	3	108.	110.667	130.	94.	329.333	18.148	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/16/68-07/09/75	2	248.5	248.5	256.	241.	112.5	10.607	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/16/68-07/09/75	2	338.5	338.5	367.	310.	1624.5	40.305	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/16/68-07/09/75	2	136.	136.	138.	134.	8.	2.828	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 7/14 - Station MNRR0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060 FLOW, STREAM, MEAN DAILY	CFS	05/16/68-09/21/77	15	51.	67.867	181.	12.	2282.41	47.775	15.6	33.	108.	148.
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/16/68-07/09/75	9	230.	221.667	264.	168.	964.75	31.06	168.	197.	246.	264.
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/16/68-07/09/75	9	272.	279.889	386.	180.	3980.861	63.094	180.	228.	325.	386.
00945 SULFATE, TOTAL (MG/L AS SO4)		05/16/68-07/09/75	9	95.	94.444	188.	29.	2537.778	50.376	29.	53.5	133.	188.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 7/15 to 11/19 - Station MNRR0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060 FLOW, STREAM, MEAN DAILY	CFS	05/16/68-09/21/77	18	26.	32.689	120.	0.4	945.883	30.755	2.74	17.	37.25	101.1
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/16/68-07/09/75	10	217.5	212.8	292.	136.	2638.844	51.37	137.6	155.	254.25	288.9
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/16/68-07/09/75	10	261.5	247.	288.	145.	1933.111	43.967	150.1	229.75	273.5	287.
00945 SULFATE, TOTAL (MG/L AS SO4)		05/16/68-07/09/75	10	67.5	64.3	102.	8.	519.344	22.789	13.5	63.75	68.5	98.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: MNRR0061

NPS Station ID: MNRR0061 LAT/LON: 42.756392/ -97.946115 Agency: 1117MBR Date Created: 01/13/96
Location: BAZILE CREEK EAST OF NIOBRARA, NEBRASKA. FIPS State/County: 31107 NEBRASKA/KNOX
Station Type: /TYPA/AMBNT/FISH/STREAM STORET Station ID(s): 009444
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 10170101 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 10170101 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 10170203001300.00 RF3 Mile Point: 6.56 Distance from RF3: 0.09 On/Off RF3:
Description:

Parameter Inventory for Station: MNRR0061

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71930 MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS		09/18/96-09/18/96	3	0.05	0.05	0.06	0.04	0.	0.01	**	**	**	**
81614 NUMBER OF INDIVIDUALS IN THE SAMPLE		09/18/96-09/18/96	3	3.	3.	3.	3.	0.	0.	**	**	**	**
82655 FISH LENGTH, TOTAL	CM	09/19/95-09/18/96	12	41.35	42.167	53.	35.5	23.704	4.869	35.8	38.925	45.4	51.26
82656 FISH, WHOLE, WET WEIGHT	GRAM	09/19/95-09/18/96	12	563.5	625.167	1340.	315.	74672.333	273.262	336.	441.	735.25	1198.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: MNRR0062

NPS Station ID: MNRR0062
Location: BAZILE CREEK
Station Type: /TYPA/AMBNT/STREAM/BIO
RMI-Indexes:
RMI-Miles:
HUC: 10170101
Major Basin:
Minor Basin:
RF1 Index: 10170101
RF3 Index: 10170203001300.00
Description:

LAT/LON: 42.756392/ -97.946115

Depth of Water: 0
Elevation: 0

RF1 Mile Point: 0.000
RF3 Mile Point: 6.56

Agency: 21NEB001
FIPS State/County: 31107 NEBRASKA/KNOX
STORET Station ID(s): MT2119A
Within Park Boundary: No

Aquifer:
Water Body Id: NEMT2-12400
ECO Region: 46G
Distance from RF1: 0.00
Distance from RF3: 0.09

Date Created: 11/23/96

On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: MNRR0062

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: MNRR0063

NPS Station ID: MNRR0063 LAT/LON: 42.757226/ -97.947226 Agency: 112WRD Date Created: 04/17/78
Location: BAZILE CREEK NEAR NIOBRARA, NE FIPS State/County: 31107 NEBRASKA/KNOX
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 06466500
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 10170101 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 10170101 RF1 Mile Point: 0.000 Distance from RF1: 0.30 On/Off RF1:
RF3 Index: 10150001000103.75 RF3 Mile Point: 8.02 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: MNRR0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/02/85-04/23/90	2	18.75	18.75	19.5	18.	1.125	1.061	**	**	**	**
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		04/02/85-04/23/90	2	26.5	26.5	27.	26.	0.5	0.707	**	**	**	**
00025 BAROMETRIC PRESSURE (MM OF HG)		04/02/85-04/23/90	2	716.5	716.5	719.	714.	12.5	3.536	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	04/02/85-04/23/90	2	744.5	744.5	1450.	39.	995460.5	997.728	**	**	**	**
00065 STAGE, STREAM (FEET)		04/02/85-04/02/85	1	5.38	5.38	5.38	5.38	0.	0.	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)		04/23/90-04/23/90	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/02/85-04/23/90	2	841.5	841.5	1140.	543.	178204.5	422.143	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	04/02/85-04/23/90	2	9.35	9.35	9.4	9.3	0.005	0.071	**	**	**	**
00340 COD, .25N K2CR2O7	MG/L	04/02/85-04/02/85	1	38.	38.	38.	38.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)		04/23/90-04/23/90	1	8.56	8.56	8.56	8.56	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		04/23/90-04/23/90	1	8.56	8.56	8.56	8.56	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/23/90-04/23/90	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	04/23/90-04/23/90	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		04/23/90-04/23/90	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/23/90-04/23/90	1	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		04/02/85-04/02/85	1	532.	532.	532.	532.	0.	0.	**	**	**	**
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)		04/23/90-04/23/90	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		04/23/90-04/23/90	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)		04/23/90-04/23/90	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		04/23/90-04/23/90	1	72.	72.	72.	72.	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		04/23/90-04/23/90	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		04/23/90-04/23/90	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)		04/23/90-04/23/90	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	04/23/90-04/23/90	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		04/23/90-04/23/90	1	67.	67.	67.	67.	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)		04/23/90-04/23/90	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)		04/23/90-04/23/90	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01000 ARSENIC, DISSOLVED (UG/L AS AS)		04/23/90-04/23/90	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)		04/02/85-04/02/85	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01020 BORON, DISSOLVED (UG/L AS B)		04/02/85-04/23/90	2	100.	100.	140.	60.	3200.	56.569	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)		04/02/85-04/02/85	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)		04/02/85-04/02/85	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)		04/02/85-04/02/85	1	170.	170.	170.	170.	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)		04/23/90-04/23/90	1##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)		04/02/85-04/02/85	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)		04/02/85-04/02/85	1	780.	780.	780.	780.	0.	0.	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)		04/23/90-04/23/90	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01090 ZINC, DISSOLVED (UG/L AS ZN)		04/23/90-04/23/90	1	7.	7.	7.	7.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: MNRR0063

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01092 ZINC, TOTAL (UG/L AS ZN)	04/02/85-04/02/85	1	170.	170.	170.	170.	0.	0.	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	04/02/85-04/02/85	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31625 FECAL COLIFORM, MF,M-FC, 0.7 UM	04/23/90-04/23/90	1	160.	160.	160.	160.	0.	0.	**	**	**	**
31625 LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	04/23/90-04/23/90	1	2.204	2.204	2.204	2.204	0.	0.	**	**	**	**
31625 GM FECAL COLIFORM, MF,M-FC, 0.7 UM		GEOMETRIC MEAN =		160.								
31673 FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	04/23/90-04/23/90	1	520.	520.	520.	520.	0.	0.	**	**	**	**
31673 LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	04/23/90-04/23/90	1	2.716	2.716	2.716	2.716	0.	0.	**	**	**	**
31673 GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		GEOMETRIC MEAN =		520.								
39024 PROPAZINE,COULSON CONDUCTIVITY,WATER SAMPL(UG/L)	04/23/90-04/23/90	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39030 TREFLAN, MICROCOULOMETRIC,WATER SAMPLE (UG/L)	04/23/90-04/23/90	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39054 SIMETRYNE IN WHOLE WATER (UG/L)	04/23/90-04/23/90	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39055 SIMAZINE IN WHOLE WATER (UG/L)	04/23/90-04/23/90	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39056 PROMETONE IN WHOLE WATER (UG/L)	04/23/90-04/23/90	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39057 PROMETRYNE IN WHOLE WATER (UG/L)	04/23/90-04/23/90	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39630 ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	04/23/90-04/23/90	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	04/02/85-04/02/85	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
77825 ALACHLOR WHOLE WATER,UG/L	04/23/90-04/23/90	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
80158 BED MATERIAL FALL DIAMETER, % FINER THAN .062MM	05/11/77-05/11/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
80159 BED MATERIAL FALL DIAMETER, % FINER THAN .125MM	05/11/77-05/11/77	1	1.	1.	1.	1.	0.	0.	**	**	**	**
80160 BED MATERIAL FALL DIAMETER, % FINER THAN .250MM	05/11/77-05/11/77	1	18.	18.	18.	18.	0.	0.	**	**	**	**
80161 BED MATERIAL FALL DIAMETER, % FINER THAN .500MM	05/11/77-05/11/77	1	76.	76.	76.	76.	0.	0.	**	**	**	**
80162 BED MATERIAL FALL DIAMETER, % FINER THAN 1.00MM	05/11/77-05/11/77	1	97.	97.	97.	97.	0.	0.	**	**	**	**
80169 BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	05/11/77-05/11/77	1	99.	99.	99.	99.	0.	0.	**	**	**	**
80170 BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	05/11/77-05/11/77	1	100.	100.	100.	100.	0.	0.	**	**	**	**
81757 CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	04/23/90-04/23/90	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82184 AMETRYNE (GESAPAX OR EVIK) TOTAL UG/L	04/23/90-04/23/90	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82611 METRIBUZIN, WHOLE WATER, TOTAL RECOVERABLE UG/L	04/23/90-04/23/90	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82612 METOLACHLOR, WHOLE WATER, TOTAL RECOVERABLE UG/L	04/23/90-04/23/90	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: MNRR0063

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00							2	0	0.00			
00400 PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
	Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00403 PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
	Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00631 NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
	Drinking Water	250.	1	0	0.00							1	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950 FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
01000 ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00							1	0	0.00			
	Drinking Water	50.	1	0	0.00							1	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00							1	0	0.00			
	Drinking Water	50.	1	0	0.00							1	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
	Drinking Water	5.	1	0	0.00							1	0	0.00			
01034 CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	1	1	1.00							1	1	1.00			
	Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
	Drinking Water	15.	1	1	1.00							1	1	1.00			
01090 ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00							1	0	0.00			
	Drinking Water	5000.	1	0	0.00							1	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	1	1	1.00							1	1	1.00			
	Drinking Water	5000.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: MNRR0063

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
01147 SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00							1	0	0.00			
	Drinking Water	50.	1	0	0.00							1	0	0.00			
31625 FECAL COLIFORM, MF	Other-Hi Lim.	200.	1	0	0.00							1	0	0.00			
39055 SIMAZINE IN WHOLE WATER	Drinking Water	4.	1	0	0.00							1	0	0.00			
39630 ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	1	0	0.00							1	0	0.00			
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
	Drinking Water	2.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: MNRR0064

NPS Station ID: MNRR0064
Location: HOWE CREEK
Station Type: /TYPA/AMBNT/STREAM/BIO
RMI-Indexes:
RMI-Miles:
HUC: 10170101
Major Basin:
Minor Basin:
RF1 Index: 10170101
RF3 Index: 10170101109100.00
Description:

LAT/LON: 42.667781/ -97.995837
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 0.60

Agency: 21NEB001
FIPS State/County: 31107 NEBRASKA/KNOX
STORET Station ID(s): MT2120
Within Park Boundary: No
Aquifer:
Water Body Id: NEMT2-12420
ECO Region: 46G
Distance from RF1: 8.60
Distance from RF3: 0.01

Date Created: 04/16/88
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: MNRR0064

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: MNRR0065

NPS Station ID: MNRR0065
LAT/LON: 42.544726/ -97.996393
Agency: 21NEB001
Date Created: 06/22/96
Location: UN TRIB TO VERDIGRE CREEK
FIPS State/County: 31107 NEBRASKA/KNOX
Station Type: /TYPA/AMBNT/STREAM/BIO
STORET Station ID(s): NI2010
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 10150007
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id: NENI2-10120
Minor Basin:
ECO Region: 46G
RF1 Index: 10150007
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 10170203001300.00
RF3 Mile Point: 6.56
Distance from RF3: 0.09
On/Off RF3:
Description:

Parameter Inventory for Station: MNRR0065

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: MNRR0066

NPS Station ID: MNRR0066 LAT/LON: 42.584504/ -98.017559 Agency: 21NEB001 Date Created: / /
Location: VERDIGRE CREEK AT VERDIGRE S FIPS State/County: 31107 NEBRASKA/KNOX
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 300977
RMI-Indexes: 1021500 Within Park Boundary: No
RMI-Miles: 1149.40
HUC: 10150007 Depth of Water: 0 Aquifer:
Major Basin: MISSOURI Elevation: 0 Water Body Id:
Minor Basin: NIOBRARA ECO Region:
RF1 Index: 10150007 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 10150007003101.79 RF3 Mile Point: 2.68 Distance from RF3: 0.50 On/Off RF3:
Description:
T30N R06W A SEC 9 BB KNOX COUNTY SE CORNER OF VERDIGRE ON COUNTY ROAD BRIDGE MAIN BRANCH OF VERDIGRE CREEK 11-17-78
NEBRASKA STATE DEPARTMENT OF HEALTH STATION 06W SEC9BB KNOX COUNTY SE CORNER OF VERDIGRE ON CO RD BR MAIN BRANCH

Parameter Inventory for Station: MNRR0066

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		05/16/68-11/26/73	15	23.5	20.433	34.	0.	83.495	9.138	3.6	16.	27.	30.7
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		08/30/68-11/26/73	14	24.6	22.371	35.	1.	88.108	9.387	5.5	14.75	29.5	33.5
00032 CLOUD COVER (PERCENT)		05/27/70-11/26/73	9	20.	37.222	100.	0.	1600.694	40.009	0.	2.5	77.5	100.
00070 TURBIDITY, (JACKSON CANDLE UNITS)		05/16/68-11/26/73	15	46.	71.867	197.	11.	3489.124	59.069	12.8	28.	98.	192.8
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/16/68-11/26/73	15	300.	309.467	410.	270.	1531.41	39.133	273.	285.	311.	392.
00300 OXYGEN, DISSOLVED	MG/L	05/16/68-11/26/73	15	7.8	8.267	11.8	6.5	2.165	1.471	6.68	6.9	9.1	10.78
00400 PH (STANDARD UNITS)		08/30/68-11/26/73	14	7.9	7.9	8.5	7.2	0.163	0.404	7.25	7.6	8.225	8.45
00400 CONVERTED PH (STANDARD UNITS)		08/30/68-11/26/73	14	7.889	7.728	8.5	7.2	0.195	0.442	7.25	7.6	8.225	8.45
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/30/68-11/26/73	14	0.013	0.019	0.063	0.003	0.	0.018	0.004	0.006	0.025	0.057
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/16/68-11/26/73	15	144.	141.067	160.	120.	157.495	12.55	121.2	128.	152.	157.6
00500 RESIDUE, TOTAL (MG/L)		05/16/68-05/09/69	3	516.	519.333	526.	516.	33.333	5.774	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)		05/09/69-05/09/69	1	84.	84.	84.	84.	0.	0.	**	**	**	**
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		08/30/68-11/26/73	11	220.	227.909	340.	194.	1583.691	39.796	195.2	200.	230.	319.6
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		05/09/69-05/09/69	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/16/68-10/03/73	13	1.	1.069	2.	0.4	0.256	0.506	0.48	0.6	1.5	1.92
00650 PHOSPHATE, TOTAL (MG/L AS PO4)		05/16/68-04/16/73	11	0.5	0.627	1.6	0.2	0.174	0.417	0.22	0.3	0.9	1.5
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/16/68-11/26/73	15	148.	138.867	182.	54.	1203.552	34.692	60.6	136.	156.	173.6
00915 CALCIUM, DISSOLVED (MG/L AS CA)		08/30/68-11/26/73	13	48.	39.692	53.	8.	228.231	15.107	9.2	31.	50.	52.2
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		08/30/68-11/26/73	13	8.	8.923	16.	5.	13.41	3.662	5.4	6.	10.5	16.
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-11/26/73	14	12.	13.786	28.	9.	25.104	5.01	9.	10.75	16.25	23.
00931 SODIUM ADSORPTION RATIO		05/16/68-11/26/73	14	0.55	0.55	1.	0.3	0.044	0.21	0.3	0.4	0.625	0.95
00935 POTASSIUM, DISSOLVED (MG/L AS K)		05/16/68-11/26/73	14	6.5	7.214	21.	4.	17.258	4.154	4.5	5.	7.25	14.5
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-11/26/73	15	2.	2.3	8.	0.	5.707	2.389	0.3	0.5	3.	7.4
00945 SULFATE, TOTAL (MG/L AS SO4)		05/16/68-11/26/73	15	12.	16.4	47.	2.	165.686	12.872	3.2	8.	19.	41.6
00950 FLUORIDE, DISSOLVED (MG/L AS F)		05/16/68-05/09/69	3	0.19	0.16	0.22	0.07	0.006	0.079	**	**	**	**
01020 BORON, DISSOLVED (UG/L AS B)		05/09/69-05/09/69	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)		05/09/69-05/09/69	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)		05/16/68-05/09/69	3	300.	267.667	500.	3.	62536.333	250.073	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)		05/16/68-05/16/68	1	500.	500.	500.	500.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)		05/16/68-05/09/69	2##	125.	125.	200.	50.	11250.	106.066	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		06/07/73-06/07/73	1	1200.	1200.	1200.	1200.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		06/07/73-06/07/73	1	3.079	3.079	3.079	3.079	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	1200.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: MNRR0066

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	15	7	0.47	1	0	0.00				6	4	0.67	8	3	0.38
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	15	0	0.00	1	0	0.00				6	0	0.00	8	0	0.00
00400 PH	Fresh Chronic	9.	14	0	0.00	1	0	0.00				5	0	0.00	8	0	0.00
	Other-Lo Lim.	6.5	14	0	0.00	1	0	0.00				5	0	0.00	8	0	0.00
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	13	0	0.00							5	0	0.00	8	0	0.00
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	15	0	0.00	1	0	0.00				6	0	0.00	8	0	0.00
	Drinking Water	250.	15	0	0.00	1	0	0.00				6	0	0.00	8	0	0.00
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	15	0	0.00	1	0	0.00				6	0	0.00	8	0	0.00
00950 FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00							2	0	0.00	1	0	0.00
01042 COPPER, TOTAL	Fresh Acute	18.	0&	0	0.00												
	Drinking Water	1300.	1	0	0.00							1	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	2	1	0.50							2	1	0.50			
	Drinking Water	5000.	2	0	0.00							2	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: MNRR0067

NPS Station ID: MNRR0067 LAT/LON: 42.755004/ -98.026671 Agency: 1117MBR Date Created: 03/07/81
Location: NIOBRARA RIVER AT NIOBRARA, NEBRASKA. FIPS State/County: 31107 NEBRASKA/KNOX
Station Type: /TYPA/AMBNT/FISH/STREAM STORET Station ID(s): 005942
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 10150007 Depth of Water: 0 Aquifer:
Major Basin: MISSOURI RIVER Elevation: 0 Water Body Id:
Minor Basin: NIOBRARA RIVER ECO Region:
RF1 Index: 10150007 RF1 Mile Point: 0.000 Distance from RF1: 2.80 On/Off RF1:
RF3 Index: 10170101162100.00 RF3 Mile Point: 0.34 Distance from RF3: 0.16 On/Off RF3:
Description:
COUNTY: KNOX, CITY: NIOBRARA, LAMS STATION CODE: 62000000

Parameter Inventory for Station: MNRR0067

	Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	08/21/80-08/21/80	5	1.06	1.436	2.97	0.84	0.766	0.875	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	08/21/80-08/21/80	5	12.2	12.66	15.7	11.4	2.998	1.731	**	**	**	**
01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	08/21/80-08/21/80	1##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
01069	NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	08/21/80-08/21/80	1	0.16	0.16	0.16	0.16	0.	0.	**	**	**	**
01099	ANTIMONY,TISSUE,WET WEIGHT,MG/KG	08/21/80-08/21/80	1##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
01149	SELENIUM, TOTAL IN FISH OR ANIMALS WET WGT MG/KG	08/21/80-08/21/80	1##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
34204	ACENAPHTHYLENE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34209	ACENAPHTHENE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34214	ACROLEIN WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.295	0.295	0.295	0.295	0.	0.	**	**	**	**
34219	ACRYLONITRILE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.095	0.095	0.095	0.095	0.	0.	**	**	**	**
34234	BENZO(B)FLUORANTHENE,TISSUE,WET WGT,MG/KG	08/21/80-08/21/80	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34238	BENZENE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34241	BENZIDINE WET WGTTISMG/KG	08/21/80-08/21/80	1##	1.25	1.25	1.25	1.25	0.	0.	**	**	**	**
34251	BENZO-A-PYRENE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34252	BERYLLIUM WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
34258	B-BHC-BETA WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
34263	DELTA BENZENE HEXACHLORIDE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34277	BIS (2-CHLOROETHYL) ETHER WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34282	BIS (2-CHLOROETHOXY) METHANE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34287	BIS (2-CHLOROISOPROPYL) ETHER WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34291	BROMOFORM WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34296	N-BUTYL BENZYL PHTHALATE,TISSUE,WET WGT,MG/KG	08/21/80-08/21/80	1##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
34300	CARBON TETRACHLORIDE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34305	CHLOROBENZENE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34310	CHLORODIBROMOMETHANE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34315	CHLOROETHANE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
34319	CHLOROFORM WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34324	CHRYSENE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34331	DICHLOROBROMOMETHANE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34335	DICHLORODIFLUOROMETHANE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34340	DIETHYL PHTHALATE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34345	DIMETHYL PHTHALATE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34350	1,2-DIPHENYLHYDRAZINE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34355	ENDOSULFAN SULFATE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34360	ENDOSULFAN, BETA WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
34365	ENDOSULFAN, ALPHA WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: MNRR0067

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34370	ENDRIN ALDEHYDE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34375	ETHYLBENZENE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34380	FLUORANTHENE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
34385	FLUORENE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34390	HEXACHLOROCYCLOPENTADIENE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34395	HEXACHLOROBUTADIENE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34400	HEXACHLOROETHANE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34407	INDENO (1,2,3-CD) PYRENE WET WGTTISMG/KG	08/21/80-08/21/80	1##	1.25	1.25	1.25	1.25	0.	0.	**	**	**	**
34412	ISOPHORONE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34417	METHYL BROMIDE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34422	METHYL CHLORIDE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
34427	METHYLENE CHLORIDE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
34432	N-NITROSODI-N-PROPYLAMINE WET WGTTISMG/KG	08/21/80-08/21/80	1##	1.25	1.25	1.25	1.25	0.	0.	**	**	**	**
34437	N-NITROSODIPHENYLAMINE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34446	NAPHTHALENE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
34451	NITROBENZENE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.5	0.5	0.5	0.5	0..	0.	**	**	**	**
34456	PARACHLOROMETA CRESOL WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34465	PHENANTHRENE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34468	PHENOL WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34473	PYRENE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
34474	SILVER WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
34479	TETRACHLOROETHYLENE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34484	TOLUENE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34492	TRICHLOROFLUOROMETHANE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34500	1,1-DICHLOROETHANE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34505	1,1-DICHLOROETHYLENE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34510	1,1,1-TRICHLOROETHANE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34515	1,1,2-TRICHLOROETHANE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34520	1,1,2,2-TETRACHLOROETHANE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34525	BENZO(GHI)PERYLENE1,12-BENZOPERYLENWET WGTTISMG/KG	08/21/80-08/21/80	1##	1.25	1.25	1.25	1.25	0.	0.	**	**	**	**
34535	1,2-DICHLOROETHANE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34540	1,2-DICHLOROBENZENE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34545	1,2-DICHLOROPROPANE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34550	TRANS-1,2-DICHLOROETHENE, IN TISSUE, WET WT. MG/KG	08/21/80-08/21/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34555	1,2,4-TRICHLOROBENZENE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34560	1,2,5,6-DIBENZANTHRACENE WET WGTTISMG/KG	08/21/80-08/21/80	1##	1.25	1.25	1.25	1.25	0.	0.	**	**	**	**
34570	1,3-DICHLOROBENZENE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34575	1,4-DICHLOROBENZENE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34580	2-CHLOROETHYL VINYL ETHER WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34585	2-CHLORONAPHTHALENE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
34590	2-CHLOROPHENOL WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34595	2-NITROPHENOL WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
34600	DI-N-OCTYL PHTHALATE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34605	2,4-DICHLOROPHENOL WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34610	2,4-DIMETHYLPHENOL WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34615	2,4-DINITROTOLUENE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34620	2,4-DINITROPHENOL WET WGTTISMG/KG	08/21/80-08/21/80	1##	2.	2.	2.	2.	0.	0.	**	**	**	**
34625	2,4,6-TRICHLOROPHENOL WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34630	2,6-DINITROTOLUENE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34635	3,3'-DICHLOROBENZIDINE WET WGTTISMG/KG	08/21/80-08/21/80	1##	1.25	1.25	1.25	1.25	0.	0.	**	**	**	**
34640	4-BROMOPHENYL PHENYL ETHER WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34645	4-CHLOROPHENYL PHENYL ETHER WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34650	4-NITROPHENOL WET WGTTISMG/KG	08/21/80-08/21/80	1##	2.	2.	2.	2.	0.	0.	**	**	**	**
34661	DNOC (4,6-DINITRO-ORTHO-CRESOL) WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34664	PCB - 1221 WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.075	0.075	0.075	0.075	0.	0.	**	**	**	**
34667	PCB - 1232 WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
34669	PCB - 1248 WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.075	0.075	0.075	0.075	0.	0.	**	**	**	**
34670	PCB - 1260 WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
34674	PCB - 1016 WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34679	2,3,7,8-TETRACHLORODIBENZO-P-DIOXINWET WGTTISMG/KG	08/21/80-08/21/80	1##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	08/21/80-08/21/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	08/21/80-08/21/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34683	DI-N-BUTYL PHTHALATE,TISSUE,WET WGTWET WGT	08/21/80-08/21/80	1##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

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Parameter Inventory for Station: MNRR0067

	Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34685	ENDRIN WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34687	HEPTACHLOR WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34688	HEXACHLOROBENZENE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34689	PCB - 1242 WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34690	PCB - 1254 WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34691	TOXAPHENE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.75	0.75	0.75	0.75	0.	0.	**	**	**	**
34692	TRICHLOROETHYLENE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34693	VINYL CHLORIDE WET WGTTISMG/KG	08/21/80-08/21/80	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34698	TRANS-1,3-DICHLOROPROPENEFISH TISSUE WET WGT MG/KG	08/21/80-08/21/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34703	CIS-1,3-DICHLOROPROPENE FISH TISSUE WET WGT MG/KG	08/21/80-08/21/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39060	PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	08/21/80-08/21/80	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	08/21/80-08/21/80	1##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39099	BIS(2-ETHYLHEXYL)PHTHALATE,TISSUE,WET WGT,MG/KG	08/21/80-08/21/80	1##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39302	P P DDT IN TISSUE WET WGT (UG/G)	08/21/80-08/21/80	1##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39312	P P DDD IN TISSUE WET WGT (UG/G)	08/21/80-08/21/80	1##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	08/21/80-08/21/80	1##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	08/21/80-08/21/80	1##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	08/21/80-08/21/80	1##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/21/80-08/21/80	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	08/21/80-08/21/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	08/21/80-08/21/80	1	0.82	0.82	0.82	0.82	0.	0.	**	**	**	**
71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	08/21/80-08/21/80	1	33.6	33.6	33.6	33.6	0.	0.	**	**	**	**
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	08/21/80-08/21/80	1	0.46	0.46	0.46	0.46	0.	0.	**	**	**	**
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/21/80-08/21/80	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/21/80-08/21/80	1	5.	5.	5.	5.	0.	0.	**	**	**	**
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	08/21/80-08/21/80	1	2.	2.	2.	2.	0.	0.	**	**	**	**
81655	CALCIUM IN FISH TISSUE WET WEIGHT MG/KG	08/21/80-08/21/80	1	12900.	12900.	12900.	12900.	0.	0.	**	**	**	**
81656	MAGNESIUM IN FISH TISSUE WET WEIGHT MG/KG	08/21/80-08/21/80	1	442.	442.	442.	442.	0.	0.	**	**	**	**
81658	BARIUM IN FISH TISSUE WET WEIGHT MG/KG	08/21/80-08/21/80	1	4.82	4.82	4.82	4.82	0.	0.	**	**	**	**
81660	IRON IN FISH TISSUE WET WEIGHT MG/KG	08/21/80-08/21/80	1	107.	107.	107.	107.	0.	0.	**	**	**	**
81666	ALUMINUM IN FISH TISSUE WET WEIGHT MG/KG	08/21/80-08/21/80	1	112.	112.	112.	112.	0.	0.	**	**	**	**
81741	MANGANESE IN FISH TISSUE WET WEIGHT MG/KG	08/21/80-08/21/80	1	23.3	23.3	23.3	23.3	0.	0.	**	**	**	**

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********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: MNRR0068

NPS Station ID: MNRR0068 LAT/LON: 42.765281/ -98.031116 Agency: 121MBRCE Date Created: 04/03/93
Location: CONFLUENCE OF NIOBRARA RIVER MISSOURI R FIPS State/County: 46009 SOUTH DAKOTA/BON HOMME
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 460843
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 10170101 Depth of Water: 2 Aquifer:
Major Basin: MISSOURI RIVER Elevation: 0 Water Body Id:
Minor Basin: LOWER MISSOURI R FROM NIOBRARA R ECO Region:
RF1 Index: 10170101027 RF1 Mile Point: 4.380 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 10170203001300.00 RF3 Mile Point: 6.56 Distance from RF3: 0.09 On/Off RF3:
Description:

Parameter Inventory for Station: MNRR0068

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01002 ARSENIC, TOTAL (UG/L AS AS)	03/11/92-03/11/92	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	03/11/92-03/11/92	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	03/11/92-03/11/92	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/11/92-03/11/92	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/11/92-03/11/92	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	03/11/92-03/11/92	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	03/11/92-03/11/92	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	03/11/92-03/11/92	1##	2.	2.	2.	2.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	03/11/92-03/11/92	1##	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/11/92-03/11/92	1##	2.	2.	2.	2.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	03/11/92-03/11/92	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	03/11/92-03/11/92	1	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	03/11/92-03/11/92	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01148 SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	03/11/92-03/11/92	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34259 DELTA BENZENE HEXACHLORIDE TOTWUG/L	03/11/92-03/11/92	1##	0.045	0.045	0.045	0.045	0.	0.	**	**	**	**
34262 DELTA BENZENE HEXACHLORIDE DRY WGTBOTUG/KG	03/11/92-03/11/92	1##	3.	3.	3.	3.	0.	0.	**	**	**	**
34359 ENDOSULFAN, BETA DRY WGTBOTUG/KG	03/11/92-03/11/92	1##	1.35	1.35	1.35	1.35	0.	0.	**	**	**	**
34361 ENDOSULFAN, ALPHA TOTWUG/L	03/11/92-03/11/92	1##	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
34671 PCB - 1016 TOTWUG/L	03/11/92-03/11/92	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39076 BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	03/11/92-03/11/92	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
39320 P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	03/11/92-03/11/92	1##	0.055	0.055	0.055	0.055	0.	0.	**	**	**	**
39330 ALDRIN IN WHOLE WATER SAMPLE (UG/L)	03/11/92-03/11/92	1##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39333 ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	03/11/92-03/11/92	1##	1.35	1.35	1.35	1.35	0.	0.	**	**	**	**
39337 ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	03/11/92-03/11/92	1##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
39338 BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	03/11/92-03/11/92	1##	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
39343 GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	03/11/92-03/11/92	1##	1.35	1.35	1.35	1.35	0.	0.	**	**	**	**
39350 CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	03/11/92-03/11/92	1##	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
39351 CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	03/11/92-03/11/92	1##	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
39356 METOLACHLOR(DUAL) IN WHOLE WATER UG/L	03/11/92-03/11/92	1##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39365 DDE IN WHOLE WATER SAMPLE (UG/L)	03/11/92-03/11/92	1##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39370 DDT IN WHOLE WATER SAMPLE (UG/L)	03/11/92-03/11/92	1##	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
39380 DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	03/11/92-03/11/92	1##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39383 DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	03/11/92-03/11/92	1##	0.65	0.65	0.65	0.65	0.	0.	**	**	**	**
39389 ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	03/11/92-03/11/92	1##	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
39390 ENDRIN IN WHOLE WATER SAMPLE (UG/L)	03/11/92-03/11/92	1##	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
39393 ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	03/11/92-03/11/92	1##	2.	2.	2.	2.	0.	0.	**	**	**	**
39400 TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	03/11/92-03/11/92	1##	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
39403 TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	03/11/92-03/11/92	1##	80.5	80.5	80.5	80.5	0.	0.	**	**	**	**

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Parameter Inventory for Station: MNRR0068

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	03/11/92-03/11/92	1	0.83	0.83	0.83	0.83	0.	0.	**	**	**	**
39423 HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	03/11/92-03/11/92	1##	27.8	27.8	27.8	27.8	0.	0.	**	**	**	**
39481 METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	03/11/92-03/11/92	1##	59.	59.	59.	59.	0.	0.	**	**	**	**
39488 PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	03/11/92-03/11/92	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39491 PCB - 1221 BOT. DEP.,PCB SERIES DRY SOL UG/KG	03/11/92-03/11/92	1##	40.	40.	40.	40.	0.	0.	**	**	**	**
39492 PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	03/11/92-03/11/92	1##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39495 PCB - 1232 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	03/11/92-03/11/92	1##	40.	40.	40.	40.	0.	0.	**	**	**	**
39496 PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	03/11/92-03/11/92	1##	0.325	0.325	0.325	0.325	0.	0.	**	**	**	**
39499 PCB - 1242 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	03/11/92-03/11/92	1##	21.8	21.8	21.8	21.8	0.	0.	**	**	**	**
39503 PCB - 1248 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	03/11/92-03/11/92	1##	40.	40.	40.	40.	0.	0.	**	**	**	**
39504 PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	03/11/92-03/11/92	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39507 PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	03/11/92-03/11/92	1##	80.	80.	80.	80.	0.	0.	**	**	**	**
39508 PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	03/11/92-03/11/92	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39511 PCB - 1260 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	03/11/92-03/11/92	1##	80.	80.	80.	80.	0.	0.	**	**	**	**
39514 PCB - 1016 IN BOTTOM SEDIMENTS DRY WT UG/KG	03/11/92-03/11/92	1##	40.	40.	40.	40.	0.	0.	**	**	**	**
39570 DIAZINON IN WHOLE WATER SAMPLE (UG/L)	03/11/92-03/11/92	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39782 LINDANE IN WHOLE WATER SAMPLE (UG/L)	03/11/92-03/11/92	1##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
61470 HEPTACHLOR, SLUDGE SOLID FRACTN, DRY WT, UG/KG	03/11/92-03/11/92	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
61471 HEPTACHLOR SLUDGE TOTAL FRACTION UG/L	03/11/92-03/11/92	1##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
61476 P,P'DDT, SLUDGE SOLID FRACTN, DRY WT, UG/KG	03/11/92-03/11/92	1##	4.	4.	4.	4.	0.	0.	**	**	**	**
61479 P,P'DDE, SLUDGE SOLID FRACTN, DRY WT, UG/KG	03/11/92-03/11/92	1##	1.35	1.35	1.35	1.35	0.	0.	**	**	**	**
61482 P,P'DDD, SLUDGE SOLID FRACTN, DRY WT, UG/KG	03/11/92-03/11/92	1##	3.75	3.75	3.75	3.75	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	03/11/92-03/11/92	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	03/11/92-03/11/92	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
73365 BETA-BHC, DRY WEIGHT, REGOLITH UG/KG	03/11/92-03/11/92	1##	2.	2.	2.	2.	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: MNRR0068

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
01002 ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00				1	0	0.00						
	Drinking Water	50.	1	0	0.00				1	0	0.00						
01027 CADMIUM, TOTAL	Fresh Acute	3.9	0&	0	0.00												
	Drinking Water	5.	0&	0	0.00												
01034 CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
01051 LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
	Drinking Water	15.	1	0	0.00				1	0	0.00						
01067 NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
	Drinking Water	100.	1	0	0.00				1	0	0.00						
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
	Drinking Water	5000.	1	0	0.00				1	0	0.00						
01147 SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00				1	0	0.00						
	Drinking Water	50.	1	0	0.00				1	0	0.00						
34361 ENDOSULFAN, ALPHA	Fresh Acute	0.22	1	0	0.00				1	0	0.00						
39320 P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00				1	0	0.00						
39330 ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00				1	0	0.00						
39350 CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
	Drinking Water	2.	1	0	0.00				1	0	0.00						
39365 DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00				1	0	0.00						
39370 DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00				1	0	0.00						
39380 DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00				1	0	0.00						
39390 ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00				1	0	0.00						
	Drinking Water	2.	1	0	0.00				1	0	0.00						
39400 TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	0&	0	0.00												
	Drinking Water	3.	1	0	0.00				1	0	0.00						
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	1	1.00				1	1	1.00						
	Drinking Water	0.2	1	1	1.00				1	1	1.00						
39782 LINDANE IN WHOLE WATER SAMPLE	Fresh Acute	2.	1	0	0.00				1	0	0.00						
	Drinking Water	0.2	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: MNRR0068

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
	Drinking Water	2.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: MNRR0069

NPS Station ID: MNRR0069
Location: VERDIGRE CREEK
Station Type: /TYPA/AMBNT/STREAM/BIO
RMI-Indexes:
RMI-Miles:
HUC: 10150007
Major Basin:
Minor Basin:
RF1 Index: 10150007
RF3 Index: 10150007003105.48
Description:
NWSW0430N06W

LAT/LON: 42.601392/ -98.031393

Depth of Water: 0
Elevation: 0

RF1 Mile Point: 0.000
RF3 Mile Point: 5.62

Agency: 21NEB001
FIPS State/County: 31107 NEBRASKA/KNOX
STORET Station ID(s): R687830B /NE0049026B
Within Park Boundary: Yes

Aquifer:
Water Body Id: NENI2-10100
ECO Region: 46G
Distance from RF1: 2.30
Distance from RF3: 0.00

Date Created: 02/03/90

On/Off RF1:
On/Off RF3:

VERDIGRE STP-BELOW

Parameter Inventory for Station: MNRR0069

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: MNRR0070

NPS Station ID: MNRR0070 LAT/LON: 42.601392/ -98.031393 Agency: 21NEB001 Date Created: 02/03/90
Location: VERDIGRE CREEK FIPS State/County: 31107 NEBRASKA/KNOX
Station Type: /TYPA/AMBNT/STREAM/BIO STORET Station ID(s): R687830A /NE0049026A
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 10150007 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id: NENI2-10100
Minor Basin: ECO Region: 46G
RF1 Index: 10150007 RF1 Mile Point: 0.000 Distance from RF1: 0.50 On/Off RF1:
RF3 Index: 10170101001900.00 RF3 Mile Point: 0.00 Distance from RF3: 0.05 On/Off RF3:
Description:
NWSW0430N06W VERDIGRE STP-ABOVE

Parameter Inventory for Station: MNRR0070

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: MNRR0071

NPS Station ID: MNRR0071 LAT/LON: 42.650698/ -98.034003 Agency: 21NEB001 Date Created: / /
Location: VERDIGRE CREEK AT VERDIGRE FIPS State/County: 31107 NEBRASKA/KNOX
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 300976
RMI-Indexes: 1021500 Within Park Boundary: No
RMI-Miles: 1149.40
HUC: 10150007 Depth of Water: 0 Aquifer:
Major Basin: MISSOURI Elevation: 0 Water Body Id:
Minor Basin: NIOBRARA ECO Region:
RF1 Index: 10150007031 RF1 Mile Point: 4.110 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 10150007000209.40 RF3 Mile Point: 11.33 Distance from RF3: 0.40 On/Off RF3:
Description:
T31N R06W SEC 17CD KNOX COUNTY 4 MILES N OF VERDIGRE ON HWY 14 & 0.25 MILES W ON CO RD BR 11-17-78
NEBRASKA STATE DEPARTMENT OF HEALTH STATION O RD BR 1-15-77

Parameter Inventory for Station: MNRR0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		05/16/68-11/15/77	29	20.	18.572	34.	0.	84.678	9.202	4.	13.75	25.25	29.
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		08/30/68-11/15/77	26	21.	18.777	35.	-3.9	100.139	10.007	2.7	12.375	26.5	29.25
00032 CLOUD COVER (PERCENT)		05/27/70-10/19/76	19	35.	38.421	100.	0.	1244.591	35.279	0.	5.	80.	100.
00035 WIND VELOCITY (MILES PER HOUR)		05/16/75-05/16/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00040 WIND DIRECTION, AZIMUTH		10/28/75-10/28/75	1	45.	45.	45.	45.	0.	0.	**	**	**	**
00060 FLOW, STREAM, MEAN DAILY	CFS	02/18/75-10/28/75	2	22.5	22.5	45.	0.	1012.5	31.82	**	**	**	**
00070 TURBIDITY, (JACKSON CANDLE UNITS)		05/16/68-11/15/77	28	31.	52.036	315.	8.	3722.332	61.011	10.	19.	57.5	120.4
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/16/68-11/15/77	29	302.	310.621	480.	160.	5026.815	70.9	205.	275.	344.	410.
00100 TIME OF TRAVEL (HOURS)		05/16/75-05/16/75	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00200 LIGHT,INCIDENT,400-700NM,INTENSITY,UEINSTEINS/M2/S		05/16/75-05/16/75	1	64.	64.	64.	64.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	05/16/68-11/15/77	29	8.7	8.783	12.4	5.4	2.875	1.696	6.8	7.4	10.	11.3
00310 BOD, 5 DAY, 20 DEG C	MG/L	03/23/76-11/15/77	7	1.9	1.757	2.3	0.8	0.25	0.5	**	**	**	**
00320 BOD, ULTIMATE 1ST STAGE, 20 DEG C	MG/L	05/16/75-05/16/75	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00340 COD, .25N K2CR2O7	MG/L	03/23/76-11/15/77	7	30.	63.	234.	14.	5941.667	77.082	**	**	**	**
00400 PH (STANDARD UNITS)		08/30/68-11/15/77	27	8.1	8.044	8.8	6.6	0.221	0.47	7.18	7.9	8.3	8.5
00400 CONVERTED PH (STANDARD UNITS)		08/30/68-11/15/77	27	8.1	7.667	8.8	6.6	0.369	0.608	7.18	7.9	8.3	8.5
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/30/68-11/15/77	27	0.008	0.022	0.251	0.002	0.002	0.049	0.003	0.005	0.013	0.066
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/16/68-10/28/75	22	144.	144.591	221.	83.	794.348	28.184	98.8	135.5	157.75	178.
00500 RESIDUE, TOTAL (MG/L)		05/16/68-05/09/69	3	440.	439.333	482.	396.	1849.333	43.004	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)		05/09/69-05/09/69	1	92.	92.	92.	92.	0.	0.	**	**	**	**
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		08/30/68-11/15/77	24	244.	248.917	310.	178.	1200.254	34.645	201.	230.	275.5	294.
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		03/23/76-11/15/77	7	76.	83.429	204.	20.	3456.619	58.793	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		05/09/69-11/15/77	8	0.055	0.053	0.1	0.	0.002	0.047	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/16/68-11/15/77	26	1.4	1.329	2.8	0.05	0.434	0.659	0.45	0.875	1.75	2.18
00650 PHOSPHATE, TOTAL (MG/L AS PO4)		05/16/68-10/04/72	10	0.4	0.52	1.2	0.2	0.111	0.333	0.2	0.275	0.7	1.18
00660 PHOSPHATE, ORTHO (MG/L AS PO4)		03/23/76-11/15/77	7	0.1	0.157	0.3	0.1	0.006	0.079	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/16/68-10/28/75	22	160.	152.864	214.	68.	1433.838	37.866	77.3	139.75	177.5	203.8
00915 CALCIUM, DISSOLVED (MG/L AS CA)		08/30/68-10/28/75	19	50.	44.947	58.	9.	180.164	13.423	20.	43.	53.	57.
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		08/30/68-10/28/75	19	9.	8.474	11.	3.	4.152	2.038	5.	7.	10.	11.
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-11/15/77	26	10.5	12.077	22.	8.	13.514	3.676	9.	10.	13.25	18.3
00931 SODIUM ADSORPTION RATIO		05/16/68-05/16/75	17	0.4	0.5	1.	0.3	0.038	0.194	0.3	0.35	0.6	0.84
00935 POTASSIUM, DISSOLVED (MG/L AS K)		05/16/68-10/28/75	20	5.5	6.35	14.	3.	7.187	2.681	4.	5.	7.	10.9
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-11/15/77	29	3.	3.569	10.	0.	5.477	2.34	0.5	2.	4.5	7.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: MNRR0071

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945 SULFATE, TOTAL (MG/L AS SO4)	05/16/68-10/28/75	23	25.	26.348	60.	2.	241.601	15.544	4.6	14.	40.	47.4
00950 FLUORIDE, DISSOLVED (MG/L AS F)	05/16/68-05/09/69	3	0.17	0.147	0.17	0.1	0.002	0.04	**	**	**	**
01020 BORON, DISSOLVED (UG/L AS B)	08/30/68-05/09/69	2	65.	65.	100.	30.	2450.	49.497	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	05/09/69-05/09/69	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	05/16/68-05/09/69	3	200.	268.333	600.	5.	92008.333	303.329	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	05/16/68-05/16/68	1	500.	500.	500.	500.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	05/16/68-05/09/69	2##	125.	125.	200.	50.	11250.	106.066	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/07/73-11/15/77	9	373.	457.556	1060.	0.	174731.528	418.009	0.	78.	934.5	1060.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/07/73-11/15/77	9	2.572	2.206	3.025	0.	1.008	1.004	0.	1.675	2.97	3.025
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	160.607								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: MNRR0071

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	28	10	0.36	2	0	0.00				11	6	0.55	15	4	0.27
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	29	0	0.00	2	0	0.00				12	0	0.00	15	0	0.00
00400 PH	Fresh Chronic	9.	27	0	0.00	1	0	0.00				11	0	0.00	15	0	0.00
	Other-Lo Lim.	6.5	27	0	0.00	1	0	0.00				11	0	0.00	15	0	0.00
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	26	0	0.00	2	0	0.00				9	0	0.00	15	0	0.00
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	29	0	0.00	2	0	0.00				12	0	0.00	15	0	0.00
	Drinking Water	250.	29	0	0.00	2	0	0.00				12	0	0.00	15	0	0.00
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	23	0	0.00	2	0	0.00	1	0	0.00	9	0	0.00	11	0	0.00
00950 FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00							2	0	0.00	1	0	0.00
01042 COPPER, TOTAL	Fresh Acute	18.	0&	0	0.00												
	Drinking Water	1300.	1	0	0.00							1	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	2	1	0.50							2	1	0.50			
	Drinking Water	5000.	2	0	0.00							2	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	9	6	0.67							5	4	0.80	4	2	0.50

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 11/20 to 1/14 - Station MNRR0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		05/16/68-11/15/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		08/30/68-11/15/77	2	-1.95	-1.95	0.	-3.9	7.605	2.758	**	**	**	**
00070 TURBIDITY, (JACKSON CANDLE UNITS)		05/16/68-11/15/77	2	14.5	14.5	19.	10.	40.5	6.364	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/16/68-11/15/77	2	320.	320.	365.	275.	4050.	63.64	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	05/16/68-11/15/77	2	10.95	10.95	11.3	10.6	0.245	0.495	**	**	**	**
00400 PH (STANDARD UNITS)		08/30/68-11/15/77	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		08/30/68-11/15/77	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/30/68-11/15/77	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/16/68-10/28/75	2	160.5	160.5	164.	157.	24.5	4.95	**	**	**	**
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		08/30/68-11/15/77	2	277.	277.	296.	258.	722.	26.87	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/16/68-11/15/77	2	2.7	2.7	2.8	2.6	0.02	0.141	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/16/68-10/28/75	2	182.	182.	187.	177.	50.	7.071	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		08/30/68-10/28/75	2	56.	56.	57.	55.	2.	1.414	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		08/30/68-10/28/75	2	10.5	10.5	11.	10.	0.5	0.707	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-11/15/77	2	12.5	12.5	13.	12.	0.5	0.707	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)		05/16/68-10/28/75	2	4.5	4.5	5.	4.	0.5	0.707	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-11/15/77	2	3.5	3.5	4.	3.	0.5	0.707	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/16/68-10/28/75	2	40.5	40.5	41.	40.	0.5	0.707	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 3/14 - Station MNRR0071

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/30/68-11/15/77	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	05/16/68-10/28/75	1	17.	17.	17.	17.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 7/14 - Station MNRR0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		05/16/68-11/15/77	12	20.5	19.317	27.3	4.	53.949	7.345	4.9	17.	25.125	27.06
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		08/30/68-11/15/77	11	22.	20.936	31.	2.	63.905	7.994	4.2	18.	26.5	30.4
00070 TURBIDITY, (JACKSON CANDLE UNITS)		05/16/68-11/15/77	11	53.	55.545	120.	12.	1298.873	36.04	14.6	26.	76.	118.8
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/16/68-11/15/77	12	330.	345.25	480.	240.	4477.114	66.911	258.	303.75	368.75	474.
00300 OXYGEN, DISSOLVED	MG/L	05/16/68-11/15/77	12	8.7	8.708	12.4	6.6	2.463	1.569	6.84	7.475	9.225	11.83
00400 PH (STANDARD UNITS)		08/30/68-11/15/77	11	8.	7.991	8.4	7.2	0.105	0.324	7.32	7.8	8.2	8.38
00400 CONVERTED PH (STANDARD UNITS)		08/30/68-11/15/77	11	8.	7.847	8.4	7.2	0.128	0.357	7.32	7.8	8.2	8.38
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/30/68-11/15/77	11	0.01	0.014	0.063	0.004	0.	0.017	0.004	0.006	0.016	0.054
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/16/68-10/28/75	9	144.	155.667	221.	138.	677.	26.019	138.	142.	162.	221.
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		08/30/68-11/15/77	8	239.5	245.625	292.	218.	583.411	24.154	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/16/68-11/15/77	9	1.3	1.178	1.5	0.1	0.184	0.429	0.1	1.1	1.4	1.5
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/16/68-10/28/75	9	162.	174.667	214.	160.	464.25	21.546	160.	160.	193.5	214.
00915 CALCIUM, DISSOLVED (MG/L AS CA)		08/30/68-10/28/75	6	50.	51.167	56.	48.	8.167	2.858	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		08/30/68-10/28/75	6	9.	9.333	10.	9.	0.267	0.516	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-11/15/77	10	11.5	12.5	18.	10.	10.056	3.171	10.	10.	15.	18.
00935 POTASSIUM, DISSOLVED (MG/L AS K)		05/16/68-10/28/75	7	5.	5.286	7.	4.	0.905	0.951	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-11/15/77	12	4.	4.208	8.	0.5	4.339	2.083	0.95	3.	5.75	7.7
00945 SULFATE, TOTAL (MG/L AS SO4)		05/16/68-10/28/75	9	30.	33.778	60.	8.	234.444	15.312	8.	25.	44.5	60.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 7/15 to 11/19 - Station MNRR0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/16/68-11/15/77	15	22.5	20.453	34.	4.8	73.426	8.569	5.52	15.	26.	32.2
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/30/68-11/15/77	12	21.6	20.233	35.	3.	83.712	9.149	5.1	11.9	27.625	33.05
00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/16/68-11/15/77	15	28.	54.467	315.	8.	6030.838	77.658	9.2	14.	50.	200.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/16/68-11/15/77	15	285.	281.667	410.	160.	4307.952	65.635	172.	268.	315.	392.
00300	OXYGEN, DISSOLVED MG/L	05/16/68-11/15/77	15	8.2	8.553	11.7	5.4	3.066	1.751	6.24	7.3	9.6	11.46
00400	PH (STANDARD UNITS)	08/30/68-11/15/77	15	8.3	8.073	8.8	6.6	0.331	0.575	6.9	7.9	8.5	8.62
00400	CONVERTED PH (STANDARD UNITS)	08/30/68-11/15/77	15	8.3	7.554	8.8	6.6	0.62	0.787	6.9	7.9	8.5	8.62
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/30/68-11/15/77	15	0.005	0.028	0.251	0.002	0.004	0.065	0.003	0.003	0.013	0.148
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/16/68-10/28/75	11	136.	132.636	184.	83.	805.855	28.388	84.	124.	152.	177.6
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/30/68-11/15/77	14	245.5	246.786	310.	178.	1620.951	40.261	184.	213.5	279.5	301.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/16/68-11/15/77	15	1.4	1.237	2.	0.05	0.377	0.614	0.38	0.6	1.9	2.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/16/68-10/28/75	11	140.	129.727	194.	68.	1448.218	38.055	68.6	92.	145.	187.2
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/30/68-10/28/75	11	44.	39.545	58.	9.	240.273	15.501	11.2	22.	51.	56.6
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/30/68-10/28/75	11	8.	7.636	11.	3.	5.255	2.292	3.4	7.	10.	10.8
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/16/68-11/15/77	14	10.	11.714	22.	8.	18.681	4.322	8.5	9.	12.5	20.5
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/16/68-10/28/75	11	7.	7.364	14.	3.	10.455	3.233	3.2	5.	10.	13.4
00940	CHLORIDE,TOTAL IN WATER MG/L	05/16/68-11/15/77	15	2.	3.067	10.	0.	6.888	2.625	0.3	2.	4.	7.6
00945	SULFATE, TOTAL (MG/L AS SO4)	05/16/68-10/28/75	11	16.	18.545	45.	2.	178.473	13.359	2.2	7.	27.	43.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: MNRR0072

NPS Station ID: MNRR0072
LAT/LON: 42.734781/ -98.034476
Agency: 21NEB001
Date Created: / /
Location: NIOBRARA RIVER AT NIOBRARA
FIPS State/County: 31107 NEBRASKA/KNOX
Station Type: /TYPA/AMBNT/STREAM/BIO
STORET Station ID(s): 300901
RMI-Indexes: 1021500
Within Park Boundary: No
RMI-Miles: 1149.40
HUC: 10150007
Depth of Water: 0
Aquifer:
Major Basin: MISSOURI
Elevation: 0
Water Body Id:
Minor Basin: NIOBRARA
ECO Region:
RF1 Index: 10150007
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 10170101006108.49
RF3 Mile Point: 9.04
Distance from RF3: 0.05
On/Off RF3:

Description:

T32N R06W SEC 18 DA KNOX COUNTY 0.8 MILES SW 0.5 MILES W OF SW EDGE OF NIOBRARA ON HWY 12 BR
NE1/4 SW1/4 SEC.17 T32N R06W KNOX COUNTY SAMPLED BY NEBRASKA STATE DEPARTMENT OF HEALTH LAT 4244580 09804270 LONG
06W SEC18DA KNOX COUNTY 0.8 MILES SW 0.5 MILES W OF SW EDGE OF

Parameter Inventory for Station: MNRR0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/11/61-12/21/80	201	13.	11.534	32.5	0.	87.79	9.37	0.	1.	19.5	23.96
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		07/22/68-05/30/78	116	15.	12.785	35.	-7.2	115.009	10.724	0.	2.25	21.	26.65
00032 CLOUD COVER (PERCENT)		10/15/69-12/14/76	79	50.	51.203	100.	0.	1754.625	41.888	0.	0.	100.	100.
00060 FLOW, STREAM, MEAN DAILY	CFS	04/11/61-12/21/80	204	1425.	1604.838	11200.	506.	1122225.21	1059.351	773.5	1040.	1887.5	2555.
00070 TURBIDITY, (JACKSON CANDLE UNITS)		04/11/61-12/14/77	166	82.5	191.002	4100.	4.	223415.032	472.668	19.	39.5	186.25	378.5
00093 SOLIDS REPORTED AS FLOATABLES MG/L		09/11/75-09/11/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/11/61-12/21/80	202	270.	282.703	585.	180.	3333.633	57.738	230.6	248.75	299.25	347.8
00300 OXYGEN, DISSOLVED	MG/L	04/11/61-12/21/80	200	9.65	9.887	13.5	6.	3.092	1.758	7.7	8.325	11.4	12.5
00310 BOD, 5 DAY, 20 DEG C	MG/L	01/10/62-12/21/80	172	3.2	4.088	28.	0.3	15.747	3.968	1.2	2.025	4.6	7.18
00320 BOD, ULTIMATE 1ST STAGE, 20 DEG C	MG/L	05/14/75-05/14/75	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00335 COD, .025N K2CR2O7	MG/L	01/10/62-05/30/79	37	31.	43.186	273.	10.9	2119.059	46.033	15.2	20.	48.5	75.6
00340 COD, .25N K2CR2O7	MG/L	08/13/68-12/21/80	132	23.	32.549	353.	0.	1711.652	41.372	3.3	12.	40.	61.
00400 PH (STANDARD UNITS)		04/11/61-12/21/80	197	8.	7.99	8.7	6.3	0.121	0.347	7.58	7.8	8.2	8.4
00400 CONVERTED PH (STANDARD UNITS)		04/11/61-12/21/80	197	8.	7.776	8.7	6.3	0.167	0.408	7.58	7.8	8.2	8.4
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/11/61-12/21/80	197	0.01	0.017	0.501	0.002	0.002	0.04	0.004	0.006	0.016	0.026
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		04/11/61-11/05/75	147	132.	132.401	252.	48.	476.831	21.836	116.	124.	140.	152.
00500 RESIDUE, TOTAL (MG/L)		05/16/68-05/09/69	3	462.	462.	492.	432.	900.	30.	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)		05/09/69-05/09/69	1	92.	92.	92.	92.	0.	0.	**	**	**	**
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		04/11/61-05/30/79	112	214.	269.768	3266.	58.	94177.819	306.884	170.	190.	246.	349.4
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		01/12/76-12/21/80	53	128.	148.491	556.	0.	17481.678	132.218	17.	45.	220.	280.
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/11/61-12/21/80	65	0.06	0.271	3.5	0.	0.431	0.656	0.	0.01	0.1	0.94
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		04/11/61-11/10/64	44	0.	0.086	1.	0.	0.05	0.223	0.	0.	0.	0.3
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/26/78-12/21/80	29	0.7	0.789	2.7	0.26	0.226	0.476	0.3	0.5	0.94	1.25
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/16/68-12/21/80	153	0.4	0.518	11.4	0.	0.979	0.989	0.01	0.05	0.74	1.
00650 PHOSPHATE, TOTAL (MG/L AS PO4)		04/11/61-07/09/75	108	0.3	0.486	5.9	0.1	0.474	0.689	0.2	0.2	0.5	0.7
00660 PHOSPHATE, ORTHO (MG/L AS PO4)		01/12/76-01/22/80	45	0.1	0.159	0.6	0.03	0.014	0.118	0.1	0.1	0.2	0.3
00665 PHOSPHORUS, TOTAL (MG/L AS P)		04/26/78-12/21/80	29	0.2	0.257	0.9	0.02	0.04	0.2	0.06	0.1	0.3	0.6
00900 HARDNESS, TOTAL (MG/L AS CACO3)		01/10/62-11/05/75	138	128.	129.101	240.	35.	934.194	30.565	95.2	116.	144.	160.2
00915 CALCIUM, DISSOLVED (MG/L AS CA)		07/22/68-12/21/80	133	40.	41.233	81.	4.	131.392	11.463	33.4	36.	45.	51.
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		07/22/68-12/21/80	133	6.	6.699	16.	2.	5.363	2.316	5.	5.	7.	10.
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-12/21/80	154	11.	12.766	48.	6.	27.135	5.209	9.	10.	14.	20.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: MNRR0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00931 SODIUM ADSORPTION RATIO		05/16/68-07/09/75	93	0.5	0.566	2.	0.2	0.069	0.262	0.4	0.4	0.7	1.
00935 POTASSIUM, DISSOLVED (MG/L AS K)		05/16/68-11/05/75	100	6.	6.66	11.	3.	2.671	1.634	4.1	6.	8.	9.
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-12/21/80	157	2.	2.809	47.	0.	19.896	4.46	0.5	1.	3.	5.
00945 SULFATE, TOTAL (MG/L AS SO4)		05/16/68-11/05/75	95	18.	23.416	170.	0.	496.402	22.28	7.6	13.	26.	43.4
00950 FLUORIDE, DISSOLVED (MG/L AS F)		05/16/68-05/09/69	3	0.32	0.317	0.32	0.31	0.	0.006	**	**	**	**
01020 BORON, DISSOLVED (UG/L AS B)		07/22/68-05/09/69	10	60.	52.5	100.	5.	1206.944	34.741	6.5	20.	85.	100.
01042 COPPER, TOTAL (UG/L AS CU)		05/16/68-05/09/69	2##	25.	25.	50.	0.	1250.	35.355	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)		05/16/68-05/09/69	3	5.	169.333	500.	3.	82006.333	286.367	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)		05/16/68-05/16/68	1	500.	500.	500.	500.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)		05/16/68-05/09/69	3	100.	116.667	200.	50.	5833.333	76.376	**	**	**	**
31501 COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C		04/11/61-08/13/68	26	475.	7719.038	176000.	0.	1179550726.038	34344.588	50.	187.5	1237.5	4315.
31501 LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED.		04/11/61-08/13/68	26	2.676	2.706	5.246	0.	0.827	0.909	1.699	2.272	3.085	3.635
31501 GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED.3			GEOMETRIC MEAN =		508.036								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	131	145.	931.126	37000.	0.	13835835.859	3719.655	0.	50..	466.	1300.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	131	2.161	2.032	4.568	0.	1.024	1.012	0.	1.699	2.668	3.114
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =		107.769								
38260 METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)		04/11/61-11/10/64	44	0.	0.036	0.1	0.	0.002	0.049	0.	0.	0.1	0.1
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		03/25/80-04/29/80	2	0.29	0.29	0.4	0.18	0.024	0.156	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: MNRR0072

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	166	109	0.66	16	9	0.56	24	6	0.25	56	47	0.84	70	47	0.67
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	200	0	0.00	20	0	0.00	31	0	0.00	67	0	0.00	82	0	0.00
00400 PH	Fresh Chronic	9.	197	0	0.00	18	0	0.00	31	0	0.00	66	0	0.00	82	0	0.00
	Other-Lo Lim.	6.5	197	1	0.01	18	0	0.00	31	0	0.00	66	0	0.00	82	1	0.01
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	44	0	0.00	6	0	0.00	4	0	0.00	16	0	0.00	18	0	0.00
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	153	1	0.01	15	0	0.00	27	0	0.00	48	0	0.00	63	1	0.02
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	157	0	0.00	15	0	0.00	27	0	0.00	51	0	0.00	64	0	0.00
	Drinking Water	250.	157	0	0.00	15	0	0.00	27	0	0.00	51	0	0.00	64	0	0.00
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	95	0	0.00	6	0	0.00	17	0	0.00	33	0	0.00	39	0	0.00
00950 FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00							2	0	0.00	1	0	0.00
01042 COPPER, TOTAL	Fresh Acute	18.	1&	0	0.00							1	0	0.00			
	Drinking Water	1300.	2	0	0.00							2	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	3	1	0.33							2	1	0.50	1	0	0.00
	Drinking Water	5000.	3	0	0.00							2	0	0.00	1	0	0.00
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	26	10	0.38	4	0	0.00	3	0	0.00	9	3	0.33	10	7	0.70
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	131	59	0.45	14	2	0.14	24	3	0.13	44	25	0.57	49	29	0.59

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1961 - Station MNRR0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/11/61-12/21/80	9	12.	12.222	21.	2.	60.444	7.775	2.	5.	21.	21.
00060p FLOW, STREAM, MEAN DAILY	CFS	04/11/61-12/21/80	9	1420.	1424.667	2100.	812.	216746.	465.56	812.	1010.	1885.	2100.
00070 TURBIDITY, (JACKSON CANDLE UNITS)		04/11/61-12/14/77	9	150.	322.222	1600.	40.	245044.444	495.02	40.	75.	335.	1600.
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/11/61-12/21/80	9	280.	286.556	324.	230.	867.278	29.45	230.	270.	313.5	324.
00300p OXYGEN, DISSOLVED	MG/L	04/11/61-12/21/80	9	9.4	9.778	13.	7.1	4.172	2.043	7.1	7.95	11.6	13.
00400p PH (STANDARD UNITS)		04/11/61-12/21/80	9	8.2	8.156	8.3	8.	0.013	0.113	8.	8.05	8.25	8.3
00400p CONVERTED PH (STANDARD UNITS)		04/11/61-12/21/80	9	8.2	8.142	8.3	8.	0.013	0.114	8.	8.05	8.25	8.3
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/11/61-12/21/80	9	0.006	0.007	0.01	0.005	0.	0.002	0.005	0.006	0.009	0.01
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		04/11/61-11/05/75	9	132.	148.444	252.	124.	1597.778	39.972	124.	130.	150.	252.
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		04/11/61-05/30/79	9	694.	858.667	3266.	246.	847618.	920.662	246.	413.	748.	3266.
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/11/61-12/21/80	9	0.9	0.833	1.5	0.3	0.135	0.367	0.3	0.55	1.05	1.5
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		04/11/61-11/10/64	9	0.2	0.367	1.	0.	0.14	0.374	0.	0.1	0.75	1.
00650 PHOSPHATE, TOTAL (MG/L AS PO4)		04/11/61-07/09/75	8	0.55	0.612	1.2	0.3	0.121	0.348	**	**	**	**
38260 METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)		04/11/61-11/10/64	9	0.	0.044	0.1	0.	0.003	0.053	0.	0.	0.1	0.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1962 - Station MNRR0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/11/61-12/21/80	12	13.	11.917	26.	0.	94.265	9.709	0.	0.75	19.75	25.4
00060p FLOW, STREAM, MEAN DAILY	CFS	04/11/61-12/21/80	12	2125.	2714.167	6380.	1300.	2852135.606	1688.827	1336.	1665.	2847.5	6260.
00070 TURBIDITY, (JACKSON CANDLE UNITS)		04/11/61-12/14/77	12	233.	668.667	3630.	28.	1241400.242	1114.181	33.1	125.5	465.5	3225.
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/11/61-12/21/80	12	308.5	339.5	471.	260.	4426.818	66.534	266.6	289.25	400.75	452.4
00300p OXYGEN, DISSOLVED	MG/L	04/11/61-12/21/80	11	9.8	10.436	12.9	8.6	2.077	1.441	8.7	9.2	11.7	12.82
00310p BOD, 5 DAY, 20 DEG C	MG/L	01/10/62-12/21/80	12	10.5	12.7	28.	2.3	95.758	9.786	2.33	2.775	23.3	26.8
00400p PH (STANDARD UNITS)		04/11/61-12/21/80	11	7.8	7.8	8.2	7.5	0.036	0.19	7.52	7.7	7.9	8.16
00400p CONVERTED PH (STANDARD UNITS)		04/11/61-12/21/80	11	7.8	7.765	8.2	7.5	0.037	0.193	7.52	7.7	7.9	8.16
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/11/61-12/21/80	11	0.016	0.017	0.032	0.006	0.	0.007	0.007	0.013	0.02	0.03
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		04/11/61-11/05/75	12	132.	129.333	156.	80.	434.424	20.843	87.2	124.	143.	154.8
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		04/11/61-11/10/64	12	0.	0.025	0.3	0.	0.007	0.087	0.	0.	0.	0.21
00650 PHOSPHATE, TOTAL (MG/L AS PO4)		04/11/61-07/09/75	12	0.25	0.275	0.6	0.1	0.029	0.171	0.1	0.1	0.4	0.57
00900 HARDNESS, TOTAL (MG/L AS CACO3)		01/10/62-11/05/75	12	148.	147.	192.	80.	1257.091	35.455	82.4	131.	178.	190.8
38260 METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)		04/11/61-11/10/64	12	0.	0.025	0.1	0.	0.002	0.045	0.	0.	0.075	0.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1963 - Station MNRR0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/11/61-12/21/80	12	12.	10.417	24.	0.	91.902	9.587	0.	0.	19.75	23.1
00060p FLOW, STREAM, MEAN DAILY	CFS	04/11/61-12/21/80	12	2045.	2017.5	3810.	600.	795129.545	891.7	735.	1280.	2667.5	3489.
00070 TURBIDITY, (JACKSON CANDLE UNITS)		04/11/61-12/14/77	12	232.	231.5	436.	28.	18321.545	135.357	46.	104.5	356.	434.8
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/11/61-12/21/80	12	259.	252.083	288.	208.	724.265	26.912	208.9	226.5	269.25	287.4
00300p OXYGEN, DISSOLVED	MG/L	04/11/61-12/21/80	12	10.45	10.517	13.5	6.7	5.645	2.376	7.12	8.275	12.85	13.5
00310p BOD, 5 DAY, 20 DEG C	MG/L	01/10/62-12/21/80	12	3.75	3.9	8.3	1.2	3.144	1.773	1.5	3.	4.5	7.43
00400p PH (STANDARD UNITS)		04/11/61-12/21/80	12	7.85	7.792	8.	7.5	0.028	0.168	7.53	7.625	7.9	8.
00400p CONVERTED PH (STANDARD UNITS)		04/11/61-12/21/80	12	7.847	7.761	8.	7.5	0.029	0.171	7.53	7.625	7.9	8.
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/11/61-12/21/80	12	0.014	0.017	0.032	0.01	0.	0.007	0.01	0.013	0.024	0.03
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		04/11/61-11/05/75	12	132.	135.	172.	120.	206.909	14.384	120.	125.	140.	164.8
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		04/11/61-11/10/64	12	0.	0.017	0.2	0.	0.003	0.058	0.	0.	0.	0.14
00650 PHOSPHATE, TOTAL (MG/L AS PO4)		04/11/61-07/09/75	12	0.5	0.575	1.3	0.3	0.084	0.29	0.3	0.4	0.675	1.18
00900 HARDNESS, TOTAL (MG/L AS CACO3)		01/10/62-11/05/75	12	136.	129.833	168.	66.	664.333	25.775	79.8	116.	147.	162.
38260 METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)		04/11/61-11/10/64	12	0.05	0.05	0.1	0.	0.003	0.052	0.	0.	0.1	0.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1964 - Station MNRR0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/11/61-12/21/80	11	10.	9.909	23.	0.	72.891	8.538	0.	0.	17.	22.6
00060p FLOW, STREAM, MEAN DAILY	CFS	04/11/61-12/21/80	11	1460.	1823.636	5220.	1000.	1468125.455	1211.662	1000.	1100.	2050.	4636.
00070 TURBIDITY, (JACKSON CANDLE UNITS)		04/11/61-12/14/77	11	194.	234.182	599.	28.	25084.364	158.38	33.4	155.	318.	554.6
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/11/61-12/21/80	11	240.	245.909	308.	182.	1311.891	36.22	189.6	220.	280.	304.6
00300p OXYGEN, DISSOLVED	MG/L	04/11/61-12/21/80	11	10.7	10.718	13.3	7.7	3.542	1.882	7.8	9.1	12.4	13.16
00310p BOD, 5 DAY, 20 DEG C	MG/L	01/10/62-12/21/80	11	2.7	2.891	5.4	1.2	2.111	1.453	1.2	1.5	4.5	5.22
00400p PH (STANDARD UNITS)		04/11/61-12/21/80	11	8.	8.055	8.2	7.9	0.011	0.104	7.92	8.	8.2	8.2
00400p CONVERTED PH (STANDARD UNITS)		04/11/61-12/21/80	11	8.	8.044	8.2	7.9	0.011	0.104	7.92	8.	8.2	8.2
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/11/61-12/21/80	11	0.01	0.009	0.013	0.006	0.	0.002	0.006	0.006	0.01	0.012
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		04/11/61-11/05/75	11	128.	129.818	160.	88.	308.364	17.56	94.4	124.	140.	156.
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		04/11/61-11/10/64	11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00650 PHOSPHATE, TOTAL (MG/L AS PO4)		04/11/61-07/09/75	11	0.3	0.464	1.5	0.1	0.157	0.396	0.12	0.2	0.6	1.34
00900 HARDNESS, TOTAL (MG/L AS CACO3)		01/10/62-11/05/75	11	96.	97.091	128.	80.	227.491	15.083	80.	88.	108.	125.6
38260 METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)		04/11/61-11/10/64	11	0.	0.027	0.1	0.	0.002	0.047	0.	0.	0.1	0.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1968 - Station MNRR0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/11/61-12/21/80	8	14.5	11.75	20.	0.	69.929	8.362	**	**	**	**
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		07/22/68-05/30/78	7	16.	12.571	25.	0.	132.619	11.516	**	**	**	**
00060p FLOW, STREAM, MEAN DAILY	CFS	04/11/61-12/21/80	8	1235.	1255.375	1790.	633.	191836.839	437.992	**	**	**	**
00070 TURBIDITY, (JACKSON CANDLE UNITS)		04/11/61-12/14/77	8	149.5	166.125	296.	65.	7096.411	84.24	**	**	**	**
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/11/61-12/21/80	8	265.	287.5	410.	250.	2878.571	53.652	**	**	**	**
00300p OXYGEN, DISSOLVED	MG/L	04/11/61-12/21/80	8	9.1	9.5	12.5	7.5	3.191	1.786	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C	MG/L	01/10/62-12/21/80	5	3.6	4.74	10.5	1.8	11.538	3.397	**	**	**	**
00340 COD, .25N K2CR2O7	MG/L	08/13/68-12/21/80	5	36.	42.4	118.	4.	2038.8	45.153	**	**	**	**
00400p PH (STANDARD UNITS)		04/11/61-12/21/80	7	8.	7.971	8.2	7.4	0.069	0.263	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)		04/11/61-12/21/80	7	8.	7.881	8.2	7.4	0.079	0.28	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/11/61-12/21/80	7	0.01	0.013	0.04	0.006	0.	0.012	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		04/11/61-11/05/75	8	130.	127.5	144.	116.	111.714	10.569	**	**	**	**
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		04/11/61-05/30/79	4	328.	315.25	418.	187.	12014.25	109.61	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/16/68-12/21/80	8	0.	0.081	0.4	0.	0.021	0.146	**	**	**	**
00650 PHOSPHATE, TOTAL (MG/L AS PO4)		04/11/61-07/09/75	8	0.3	0.313	0.6	0.2	0.018	0.136	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		01/10/62-11/05/75	8	122.	124.5	140.	116.	56.857	7.54	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		07/22/68-12/21/80	7	34.	35.857	51.	27.	58.143	7.625	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		07/22/68-12/21/80	7	7.	8.	14.	2.	15.667	3.958	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-12/21/80	8	20.	20.	25.	15.	10.857	3.295	**	**	**	**
00931 SODIUM ADSORPTION RATIO		05/16/68-07/09/75	8	1.	0.988	1.	0.9	0.001	0.035	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)		05/16/68-11/05/75	8	4.	5.	8.	3.	4.	2.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-12/21/80	8	3.	3.75	8.	2.	5.071	2.252	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/16/68-11/05/75	3	20.	22.333	29.	18.	34.333	5.859	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	3##	50.	233.333	600.	50.	100833.333	317.543	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	3##	1.699	2.059	2.778	1.699	0.388	0.623	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		114.471									

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1969 - Station MNRR0072

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/61-12/21/80	13	12.	11.192	32.5	0.	92.731	9.63	0.	1.5	17.	27.5
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/22/68-05/30/78	13	8.	11.308	33.	0.	103.064	10.152	0.	1.5	19.5	28.2
00032 CLOUD COVER (PERCENT)	10/15/69-12/14/76	3	100.	83.333	100.	50.	833.333	28.868	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1969 - Station MNRR0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060p FLOW, STREAM, MEAN DAILY	CFS	04/11/61-12/21/80	14	1245.	1253.357	3160.	522.	433022.247	658.044	591.	718.5	1490.	2405.
00070 TURBIDITY, (JACKSON CANDLE UNITS)		04/11/61-12/14/77	13	107.	128.846	435.	10.	12016.308	109.619	18.	45.	167.	340.2
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/11/61-12/21/80	13	295.	330.538	517.	260.	6167.936	78.536	264.	280.	365.	494.2
00300p OXYGEN, DISSOLVED	MG/L	04/11/61-12/21/80	13	9.5	9.469	12.5	7.7	2.199	1.483	7.74	8.15	10.4	12.1
00310p BOD, 5 DAY, 20 DEG C	MG/L	01/10/62-12/21/80	11	3.3	3.136	4.8	1.1	1.233	1.11	1.3	2.4	4.2	4.68
00340 COD, .25N K2CR2O7	MG/L	08/13/68-12/21/80	11	31.	30.364	72.	6.	369.455	19.221	6.4	15.	43.	66.2
00400p PH (STANDARD UNITS)		04/11/61-12/21/80	13	8.1	8.046	8.6	7.6	0.084	0.29	7.6	7.85	8.2	8.52
00400p CONVERTED PH (STANDARD UNITS)		04/11/61-12/21/80	13	8.1	7.96	8.6	7.6	0.092	0.304	7.6	7.85	8.2	8.52
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/11/61-12/21/80	13	0.008	0.011	0.025	0.003	0.	0.007	0.003	0.006	0.014	0.025
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		04/11/61-11/05/75	13	144.	145.231	184.	116.	334.359	18.285	120.8	132.	154.	179.2
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		04/11/61-05/30/79	1	210.	210.	210.	210.	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/11/61-12/21/80	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/16/68-12/21/80	13##	0.05	0.254	1.	0.05	0.093	0.304	0.05	0.05	0.45	0:84
00650 PHOSPHATE, TOTAL (MG/L AS PO4)		04/11/61-07/09/75	13	0.3	0.738	5.9	0.1	2.418	1.555	0.14	0.25	0.45	3.74
00900 HARDNESS, TOTAL (MG/L AS CACO3)		01/10/62-11/05/75	13	132.	145.846	240.	116.	1657.641	40.714	116.	120.	148.	235.2
00915 CALCIUM, DISSOLVED (MG/L AS CA)		07/22/68-12/21/80	13	42.	45.	80.	27.	189.333	13.76	30.2	38.	46.5	74.4
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		07/22/68-12/21/80	13	8.	8.231	16.	4.	11.192	3.345	4.	5.5	10.5	14.
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-12/21/80	13	21.	23.538	48.	15.	73.936	8.599	15.	18.	26.5	40.8
00931 SODIUM ADSORPTION RATIO		05/16/68-07/09/75	13	0.8	0.885	2.	0.6	0.135	0.367	0.6	0.65	1.	1.6
00935 POTASSIUM, DISSOLVED (MG/L AS K)		05/16/68-11/05/75	13	7.	7.462	10.	5.	1.936	1.391	5.4	6.5	8.5	9.6
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-12/21/80	13	4.	3.923	10.	0.5	9.035	3.006	0.5	2.	4.	10.
00945 SULFATE, TOTAL (MG/L AS SO4)		05/16/68-11/05/75	11	20.	27.136	115.	0.5	1041.805	32.277	0.8	10.	24.	102.6
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	9	240.	263.333	700.	40.	54550.	233.559	40.	50.	430.	700.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	9	2.38	2.218	2.845	1.602	0.231	0.481	1.602	1.699	2.626	2.845
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		165.224									

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1970 - Station MNRR0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/11/61-12/21/80	13	3.	9.308	26.5	0.	108.689	10.425	0.	0.	18.75	25.1
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		07/22/68-05/30/78	13	0.	9.769	33.	0.	141.692	11.903	0.	0.	20.	29.8
00032 CLOUD COVER (PERCENT)		10/15/69-12/14/76	11	100.	69.091	100.	0.	1429.091	37.803	6.	30.	100.	100.
00060p FLOW, STREAM, MEAN DAILY	CFS	04/11/61-12/21/80	13	1290.	1500.154	2510.	549.	440919.141	664.017	583.4	924.	2100.	2470.
00070 TURBIDITY, (JACKSON CANDLE UNITS)		04/11/61-12/14/77	13	114.	206.615	815.	28.	50427.423	224.561	29.6	43.	305.5	665.8
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/11/61-12/21/80	13	260.	263.538	310.	218.	622.603	24.952	223.6	250.	285.	302.4
00300p OXYGEN, DISSOLVED	MG/L	04/11/61-12/21/80	13	10.7	9.754	12.3	6.9	3.444	1.856	7.26	8.05	11.25	12.26
00310p BOD, 5 DAY, 20 DEG C	MG/L	01/10/62-12/21/80	11	4.8	4.564	8.4	0.9	5.289	2.3	1.02	2.7	6.	8.18
00340 COD, .25N K2CR2O7	MG/L	08/13/68-12/21/80	11	23.	29.364	61.	12.	236.255	15.371	12.8	16.	43.	58.2
00400p PH (STANDARD UNITS)		04/11/61-12/21/80	13	8.1	8.062	8.6	7.2	0.164	0.405	7.28	7.85	8.35	8.52
00400p CONVERTED PH (STANDARD UNITS)		04/11/61-12/21/80	13	8.1	7.852	8.6	7.2	0.212	0.46	7.28	7.85	8.35	8.52
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/11/61-12/21/80	13	0.008	0.014	0.063	0.003	0.	0.018	0.003	0.004	0.014	0.054
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		04/11/61-11/05/75	13	128.	126.462	148.	76.	305.436	17.477	93.6	120.	138.	144.8
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		04/11/61-05/30/79	13	190.	190.769	220.	160.	274.359	16.564	164.	180.	205.	216.
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/16/68-12/21/80	13##	0.05	0.423	2.2	0.05	0.469	0.685	0.05	0.05	0.6	1.92
00650 PHOSPHATE, TOTAL (MG/L AS PO4)		04/11/61-07/09/75	13	0.3	0.4	1.5	0.2	0.127	0.356	0.2	0.2	0.45	1.14
00900 HARDNESS, TOTAL (MG/L AS CACO3)		01/10/62-11/05/75	13	132.	129.538	148.	116.	86.769	9.315	116.	120.	136.	143.2
00915 CALCIUM, DISSOLVED (MG/L AS CA)		07/22/68-12/21/80	13	40.	40.692	50.	35.	24.231	4.922	35.	37.	42.5	50.
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		07/22/68-12/21/80	13	7.	7.	11.	3.	5.167	2.273	3.	6.	8.5	10.2
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-12/21/80	13	16.	16.231	24.	13.	8.859	2.976	13.4	14.	17.	22.4
00931 SODIUM ADSORPTION RATIO		05/16/68-07/09/75	13	0.6	0.615	0.9	0.5	0.015	0.121	0.5	0.5	0.65	0.86
00935 POTASSIUM, DISSOLVED (MG/L AS K)		05/16/68-11/05/75	13	7.	6.923	8.	6.	0.744	0.862	6.	6.	8.	8.
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-12/21/80	13##	0.5	1.346	4.	0.5	1.183	1.088	0.5	0.5	2.	3.2
00945 SULFATE, TOTAL (MG/L AS SO4)		05/16/68-11/05/75	13	8.	9.385	21.	2.	32.09	5.665	2.8	4.5	15.	19.
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	11	200.	845.909	3500.	5.	1405264.091	1185.438	8.	30.	1300.	3320.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	11	2.301	2.298	3.544	0.699	0.88	0.938	0.819	1.477	3.114	3.518

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1970 - Station MNRR0072

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		198.797									

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station MNRR0072

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/61-12/21/80	12	11.	10.042	27.5	0.	83.566	9.141	0.	0.	17.25	24.65
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/22/68-05/30/78	12	11.5	10.958	26.5	0.	93.475	9.668	0.	0.	19.5	24.55
00032 CLOUD COVER (PERCENT)	10/15/69-12/14/76	6	100.	80.	100.	5.	1450.	38.079	**	**	**	**
00060p FLOW, STREAM, MEAN DAILY CFS	04/11/61-12/21/80	13	1580.	1464.538	2800.	520.	468787.103	684.68	586.4	806.5	1860.	2636.
00070 TURBIDITY, (JACKSON CANDLE UNITS)	04/11/61-12/14/77	13	50.	402.308	4100.	20.	1245226.897	1115.897	24.8	34.5	167.	2612.8
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/11/61-12/21/80	13	275.	281.308	350.	230.	876.064	29.598	242.	264.5	295.	338.
00300p OXYGEN, DISSOLVED MG/L	04/11/61-12/21/80	13	9.2	9.6	11.7	7.5	2.855	1.69	7.5	7.75	11.5	11.62
00310p BOD, 5 DAY, 20 DEG C MG/L	01/10/62-12/21/80	12	3.	4.175	9.6	1.5	6.553	2.56	1.59	2.175	6.6	8.79
00340 COD, .25N K2CR207 MG/L	08/13/68-12/21/80	12	23.	51.167	353.	7.	9232.333	96.085	8.2	16.	32.25	265.7
00400p PH (STANDARD UNITS)	04/11/61-12/21/80	13	7.9	7.877	8.3	7.2	0.097	0.311	7.36	7.65	8.1	8.3
00400p CONVERTED PH (STANDARD UNITS)	04/11/61-12/21/80	13	7.9	7.764	8.3	7.2	0.111	0.333	7.36	7.65	8.1	8.3
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/11/61-12/21/80	13	0.013	0.017	0.063	0.005	0.	0.015	0.005	0.008	0.023	0.048
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	04/11/61-11/05/75	13	136.	128.615	160.	48.	730.256	27.023	72.	128.	140.	155.2
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/11/61-05/30/79	13	200.	203.846	250.	170.	425.641	20.631	178.	190.	215.	242.
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/16/68-12/21/80	13	0.3	1.146	11.4	0.05	9.54	3.089	0.05	0.05	0.55	7.12
00650 PHOSPHATE, TOTAL (MG/L AS PO4)	04/11/61-07/09/75	13	0.3	0.438	1.8	0.2	0.178	0.421	0.2	0.25	0.45	1.28
00900 HARDNESS, TOTAL (MG/L AS CACO3)	01/10/62-11/05/75	13	124.	127.692	152.	100.	225.231	15.008	106.4	118.	142.	150.4
00915 CALCIUM, DISSOLVED (MG/L AS CA)	07/22/68-12/21/80	13	40.	42.154	53.	32.	31.308	5.595	34.	39.	46.	51.8
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	07/22/68-12/21/80	13	5.	5.538	8.	4.	0.936	0.967	4.4	5.	6.	7.2
00930 SODIUM, DISSOLVED (MG/L AS NA)	05/16/68-12/21/80	13	10.	10.923	18.	6.	9.744	3.121	7.2	9.	12.5	16.8
00931 SODIUM ADSORPTION RATIO	05/16/68-07/09/75	13	0.4	0.423	0.6	0.2	0.015	0.124	0.24	0.35	0.55	0.6
00935 POTASSIUM, DISSOLVED (MG/L AS K)	05/16/68-11/05/75	13	6.	6.846	11.	5.	2.974	1.725	5.	6.	8.	10.2
00940 CHLORIDE,TOTAL IN WATER MG/L	05/16/68-12/21/80	13##	0.5	1.269	6.	0.5	2.442	1.563	0.5	0.5	2.	4.4
00945 SULFATE, TOTAL (MG/L AS SO4)	05/16/68-11/05/75	13	16.	17.923	38.	7.	76.41	8.741	7.4	12.5	21.5	35.2
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/15/68-12/21/80	11	180.	3717.273	37000.	0.	122251561.818	11056.743	0.	60.	580.	30040.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/15/68-12/21/80	11	2.255	2.144	4.568	0.	1.744	1.321	0.	1.778	2.763	4.323
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		139.441									

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Annual Analysis for 1972 - Station MNRR0072

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/61-12/21/80	12	15.5	12.042	24.5	0.	78.203	8.843	0.	1.5	18.75	23.45
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/22/68-05/30/78	12	16.	12.517	23.2	0.	91.931	9.588	0.	1.	21.5	23.14
00032 CLOUD COVER (PERCENT)	10/15/69-12/14/76	12	32.5	45.	100.	0.	1913.636	43.745	0.	0.	100.	100.
00060p FLOW, STREAM, MEAN DAILY CFS	04/11/61-12/21/80	12	1410.	1498.333	2600.	840.	224778.788	474.108	924.	1190.	1527.5	2480.
00070 TURBIDITY, (JACKSON CANDLE UNITS)	04/11/61-12/14/77	12	59.5	71.167	140.	15.	1497.061	38.692	17.7	51.	106.5	135.5
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/11/61-12/21/80	12	285.	305.667	490.	248.	4765.333	69.031	248.6	266.25	308.75	460.
00300p OXYGEN, DISSOLVED MG/L	04/11/61-12/21/80	12	9.	9.142	11.9	7.4	2.664	1.632	7.4	7.55	10.8	11.72
00310p BOD, 5 DAY, 20 DEG C MG/L	01/10/62-12/21/80	10	2.7	3.33	9.	1.2	5.729	2.394	1.2	1.65	4.275	8.64
00340 COD, .25N K2CR207 MG/L	08/13/68-12/21/80	10	21.5	22.	40.	9.	129.778	11.392	9.1	10.75	32.75	39.5
00400p PH (STANDARD UNITS)	04/11/61-12/21/80	12	8.1	8.083	8.7	7.5	0.083	0.289	7.62	7.925	8.175	8.61
00400p CONVERTED PH (STANDARD UNITS)	04/11/61-12/21/80	12	8.1	7.997	8.7	7.5	0.091	0.302	7.62	7.925	8.175	8.61
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/11/61-12/21/80	12	0.008	0.01	0.032	0.002	0.	0.007	0.003	0.007	0.012	0.026
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	04/11/61-11/05/75	12	138.	144.667	236.	108.	1099.152	33.153	110.4	125.	151.	215.6
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/11/61-05/30/79	12	205.	220.	350.	180.	2345.455	48.43	183.	190.	220.	329.
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/16/68-12/21/80	12##	0.05	0.229	0.8	0.05	0.088	0.297	0.05	0.05	0.425	0.8

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Annual Analysis for 1972 - Station MNRR0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00650 PHOSPHATE, TOTAL (MG/L AS PO4)		04/11/61-07/09/75	12	0.3	0.3	0.5	0.2	0.013	0.113	0.2	0.2	0.375	0.5
00900 HARDNESS, TOTAL (MG/L AS CACO3)		01/10/62-11/05/75	12	142.	147.333	224.	120.	889.697	29.828	121.2	125.	152.	212.
00915 CALCIUM, DISSOLVED (MG/L AS CA)		07/22/68-12/21/80	12	42.	45.833	74.	35.	115.424	10.744	35.9	40.	49.	69.2
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		07/22/68-12/21/80	12	6.5	7.417	11.	6.	3.538	1.881	6.	6.	9.5	10.7
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-12/21/80	12	10.5	10.833	17.	7.	6.152	2.48	7.6	9.25	11.75	15.8
00931 SODIUM ADSORPTION RATIO		05/16/68-07/09/75	11	0.4	0.373	0.5	0.2	0.006	0.079	0.22	0.3	0.4	0.48
00935 POTASSIUM, DISSOLVED (MG/L AS K)		05/16/68-11/05/75	12	9.	8.333	11.	5.	2.97	1.723	5.3	7.	9.	10.7
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-12/21/80	12##	0.5	0.958	4.	0.5	1.112	1.054	0.5	0.5	0.875	3.4
00945 SULFATE, TOTAL (MG/L AS SO4)		05/16/68-11/05/75	12	21.	24.75	58.	10.	208.205	14.429	10.6	13.5	28.25	54.7
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	9	160.	379.444	1600.	5.	263715.278	513.532	5.	40.	550.	1600.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	9	2.204	2.094	3.204	0.699	0.699	0.836	0.699	1.423	2.724	3.204
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		124.185									

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Annual Analysis for 1973 - Station MNRR0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/11/61-12/21/80	14	10.5	11.536	29.	0.	123.479	11.112	0.	0.	23.125	28.5
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		07/22/68-05/30/78	14	14.5	14.071	35.	0.	174.687	13.217	0.	0.	27.75	34.5
00032 CLOUD COVER (PERCENT)		10/15/69-12/14/76	14	12.5	30.357	100.	0.	1444.093	38.001	0.	0.	56.25	100.
00060p FLOW, STREAM, MEAN DAILY	CFS	04/11/61-12/21/80	14	1850.	1732.857	2400.	840.	289006.593	537.593	850.	1235.	2212.5	2350.
00070 TURBIDITY, (JACKSON CANDLE UNITS)		04/11/61-12/14/77	13	48.	63.308	160.	4.	2420.231	49.196	7.6	20.5	88.5	156.
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/11/61-12/21/80	14	305.	295.286	390.	180.	4149.758	64.419	185.	239.	336.25	388.5
00300p OXYGEN, DISSOLVED	MG/L	04/11/61-12/21/80	14	9.75	9.464	11.5	7.1	2.107	1.452	7.15	8.425	10.7	11.25
00310p BOD, 5 DAY, 20 DEG C	MG/L	01/10/62-12/21/80	11	2.4	3.891	12.8	1.6	10.169	3.189	1.64	2.1	4.8	11.24
00340 COD, .25N K2CR2O7	MG/L	08/13/68-12/21/80	10	17.5	16.8	35.	8.	57.067	7.554	8.2	11.5	19.	33.4
00400p PH (STANDARD UNITS)		04/11/61-12/21/80	13	8.	7.931	8.4	7.4	0.107	0.328	7.4	7.65	8.15	8.36
00400p CONVERTED PH (STANDARD UNITS)		04/11/61-12/21/80	13	8.	7.81	8.4	7.4	0.123	0.351	7.4	7.65	8.15	8.36
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/11/61-12/21/80	13	0.01	0.015	0.04	0.004	0.	0.013	0.004	0.007	0.024	0.04
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		04/11/61-11/05/75	14	132.	135.786	160.	120.	155.412	12.466	121.5	126.5	145.	158.
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		04/11/61-05/30/79	11	228.	232.727	326.	170.	1476.218	38.422	176.	214.	244.	310.8
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/11/61-12/21/80	2	0.05	0.05	0.1	0.	0.005	0.071	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/16/68-12/21/80	11	0.6	0.605	1.7	0.05	0.174	0.417	0.1	0.4	0.7	1.52
00650 PHOSPHATE, TOTAL (MG/L AS PO4)		04/11/61-07/09/75	5	0.4	0.36	0.5	0.2	0.013	0.114	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		01/10/62-11/05/75	14	132.	121.857	188.	35.	2927.67	54.108	37.	57.25	164.	184.
00915 CALCIUM, DISSOLVED (MG/L AS CA)		07/22/68-12/21/80	12	42.5	33.333	54.	4.	423.333	20.575	4.3	7.25	50.	53.1
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		07/22/68-12/21/80	12	8.	8.917	15.	5.	9.72	3.118	5.3	6.25	11.	14.4
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-12/21/80	12	12.	11.75	16.	9.	3.841	1.96	9.3	10.	12.75	15.4
00931 SODIUM ADSORPTION RATIO		05/16/68-07/09/75	11	0.5	0.518	0.7	0.3	0.02	0.14	0.32	0.4	0.7	0.7
00935 POTASSIUM, DISSOLVED (MG/L AS K)		05/16/68-11/05/75	11	6.	6.091	8.	4.	2.091	1.446	4.	5.	8.	8.
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-12/21/80	14	2.	3.357	10.	0.	9.016	3.003	0.	1.	5.25	9.
00945 SULFATE, TOTAL (MG/L AS SO4)		05/16/68-11/05/75	13	24.	27.615	76.	0.	389.59	19.738	3.2	15.5	36.	66.4
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	12	85.	122.5	500.	0.	23365.909	152.859	0.	0.	187.5	440.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	12	1.923	1.387	2.699	0.	1.216	1.103	0.	0.	2.27	2.632
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		24.38									

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station MNRR0072

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/61-12/21/80	15	12.	12.1	25.	0.	86.864	9.32	0.	1.	21.5	23.8
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/22/68-05/30/78	15	18.	15.787	30.	-3.9	107.358	10.361	2.1	-3.9	23.	30.
00032 CLOUD COVER (PERCENT)	10/15/69-12/14/76	14	57.5	54.286	100.	0.	1910.989	43.715	0.	11.25	100.	100.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station MNRR0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060p FLOW, STREAM, MEAN DAILY	CFS	04/11/61-12/21/80	15	1430.	1511.733	2890.	506.	472490.781	687.38	712.4	1010.	2100.	2776.
00070 TURBIDITY, (JACKSON CANDLE UNITS)		04/11/61-12/14/77	15	46.	63.933	225.	18.	2838.495	53.278	18.6	34.	81.	162.
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/11/61-12/21/80	15	290.	280.4	349.	220.	1851.543	43.03	227.2	240.	320.	343.6
00300p OXYGEN, DISSOLVED	MG/L	04/11/61-12/21/80	15	10.4	9.907	12.6	6.	4.011	2.003	6.78	8.1	11.6	12.54
00310p BOD, 5 DAY, 20 DEG C	MG/L	01/10/62-12/21/80	12	3.15	3.067	5.	0.7	1.693	1.301	1.03	1.95	4.35	4.88
00340 COD, .25N K2CR2O7	MG/L	08/13/68-12/21/80	12	7.	7.25	18.	0.	53.477	7.313	0.	0.	13.75	18.
00400p PH (STANDARD UNITS)		04/11/61-12/21/80	15	8.1	8.047	8.4	7.6	0.051	0.226	7.66	8.	8.2	8.34
00400p CONVERTED PH (STANDARD UNITS)		04/11/61-12/21/80	15	8.1	7.987	8.4	7.6	0.055	0.235	7.66	8.	8.2	8.34
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/11/61-12/21/80	15	0.008	0.01	0.025	0.004	0.	0.006	0.005	0.006	0.01	0.022
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		04/11/61-11/05/75	15	124.	126.	148.	98.	125.286	11.193	110.	122.	134.	142.
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		04/11/61-05/30/79	15	221.	219.267	260.	168.	771.495	27.776	175.2	196.	242.	258.8
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/16/68-12/21/80	15	0.6	0.547	1.	0.	0.087	0.295	0.06	0.4	0.8	0.94
00900 HARDNESS, TOTAL (MG/L AS CACO3)		01/10/62-11/05/75	15	129.	130.267	162.	97.	247.352	15.727	107.8	122.	139.	155.4
00915 CALCIUM, DISSOLVED (MG/L AS CA)		07/22/68-12/21/80	15	40.	40.467	49.	31.	20.124	4.486	34.	38.	43.	47.8
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		07/22/68-12/21/80	15	7.	6.867	9.	5.	1.124	1.06	5.6	6.	7.	9.
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-12/21/80	15	11.	11.	13.	10.	1.143	1.069	10.	10.	12.	13.
00931 SODIUM ADSORPTION RATIO		05/16/68-07/09/75	15	0.4	0.407	0.5	0.4	0.001	0.026	0.4	0.4	0.4	0.44
00935 POTASSIUM, DISSOLVED (MG/L AS K)		05/16/68-11/05/75	15	6.	6.133	7.	4.	0.838	0.915	4.6	6.	7.	7.
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-12/21/80	15	2.	2.133	6.	0.	2.41	1.552	0.6	1.	2.	5.4
00945 SULFATE, TOTAL (MG/L AS SO4)		05/16/68-11/05/75	15	25.	27.8	52.	14.	141.314	11.888	15.2	17.	35.	49.
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	12	50.	1508.333	16200.	0.	21512083.333	4638.112	0.	0.	300.	11685.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	12	1.699	1.461	4.21	0.	2.099	1.449	0.	0.	2.472	3.865
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		28.908									

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station MNRR0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/11/61-12/21/80	15	12.5	12.467	30.	0.	106.802	10.335	0.	0.5	21.	27.6
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		07/22/68-05/30/78	8	1.5	4.6	21.	-7.2	105.794	10.286	**	**	**	**
00032 CLOUD COVER (PERCENT)		10/15/69-12/14/76	7	100.	72.857	100.	10.	1323.81	36.384	**	**	**	**
00060p FLOW, STREAM, MEAN DAILY	CFS	04/11/61-12/21/80	15	1200.	1378.2	2640.	633.	406811.457	637.818	655.2	800.	1750.	2562.
00070 TURBIDITY, (JACKSON CANDLE UNITS)		04/11/61-12/14/77	15	30.	42.333	152.	7.	1440.81	37.958	8.8	13.	62.	111.2
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/11/61-12/21/80	15	240.	246.467	297.	220.	520.552	22.816	223.	230.	250.	292.2
00300p OXYGEN, DISSOLVED	MG/L	04/11/61-12/21/80	15	9.6	9.753	12.7	7.2	2.656	1.63	7.68	8.3	10.9	12.52
00310p BOD, 5 DAY, 20 DEG C	MG/L	01/10/62-12/21/80	11	2.8	3.2	8.2	1.2	4.106	2.026	1.26	1.9	3.9	7.62
00340 COD, .25N K2CR2O7	MG/L	08/13/68-12/21/80	9	14.	16.444	50.	0.	269.778	16.425	0.	0.	26.	50.
00400p PH (STANDARD UNITS)		04/11/61-12/21/80	15	8.1	8.033	8.3	7.4	0.061	0.247	7.58	7.9	8.2	8.3
00400p CONVERTED PH (STANDARD UNITS)		04/11/61-12/21/80	15	8.1	7.953	8.3	7.4	0.068	0.261	7.58	7.9	8.2	8.3
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/11/61-12/21/80	15	0.008	0.011	0.04	0.005	0.	0.009	0.005	0.006	0.013	0.028
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		04/11/61-11/05/75	15	120.	118.4	137.	79.	180.543	13.437	97.	114.	125.	136.4
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		04/11/61-05/30/79	15	206.	201.6	294.	58.	3363.971	58.	110.2	160.	246.	279.6
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/16/68-12/21/80	15	0.5	0.527	1.4	0.	0.248	0.498	0.	0.	1.	1.28
00650 PHOSPHATE, TOTAL (MG/L AS PO4)		04/11/61-07/09/75	1	3.9	3.9	3.9	3.9	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		01/10/62-11/05/75	15	115.	117.467	150.	88.	249.41	15.793	96.4	110.	126.	147.
00915 CALCIUM, DISSOLVED (MG/L AS CA)		07/22/68-12/21/80	15	36.	36.933	47.	27.	24.067	4.906	30.6	34.	39.	45.8
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		07/22/68-12/21/80	15	6.	6.133	8.	5.	0.981	0.99	5.	5.	7.	8.
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-12/21/80	15	10.	10.467	12.	9.	0.838	0.915	9.	10.	11.	12.
00931 SODIUM ADSORPTION RATIO		05/16/68-07/09/75	9	0.4	0.422	0.5	0.4	0.002	0.044	0.4	0.4	0.45	0.5
00935 POTASSIUM, DISSOLVED (MG/L AS K)		05/16/68-11/05/75	15	6.	6.067	9.	4.	1.781	1.335	4.	5.	7.	8.4
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-12/21/80	15	2.	2.2	4.	1.	0.6	0.775	1.	2.	3.	3.4
00945 SULFATE, TOTAL (MG/L AS SO4)		05/16/68-11/05/75	15	18.	28.733	170.	11.	1561.352	39.514	11.6	13.	24.	86.
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	11	50.	1051.182	10903.	0.	10680794.364	3268.148	0.	0.	125.	8767.4
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	11	1.699	1.578	4.038	0.	1.465	1.21	0.	0.	2.097	3.7
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		37.874									

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station MNRR0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/11/61-12/21/80	12	17.9	13.242	26.	1.1	95.439	9.769	1.16	3.05	20.875	25.4
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		07/22/68-05/30/78	12	19.25	18.117	32.	5.	88.738	9.42	5.66	7.775	27.25	31.25
00032 CLOUD COVER (PERCENT)		10/15/69-12/14/76	12	10.	26.667	100.	0.	1115.152	33.394	0.	0.	55.	88.
00060p FLOW, STREAM, MEAN DAILY	CFS	04/11/61-12/21/80	12	1140.	1178.667	2500.	640.	260160.424	510.059	646.	780.5	1437.5	2200.
00070 TURBIDITY, (JACKSON CANDLE UNITS)		04/11/61-12/14/77	11	23.	39.818	190.	8.	2661.764	51.592	8.2	13.	43.	161.2
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/11/61-12/21/80	12	251.	313.167	585.	240.	13821.97	117.567	241.5	248.5	345.	565.5
00300p OXYGEN, DISSOLVED	MG/L	04/11/61-12/21/80	12	10.1	10.067	13.	7.1	3.535	1.88	7.37	8.45	11.425	12.94
00310p BOD, 5 DAY, 20 DEG C	MG/L	01/10/62-12/21/80	11	2.2	2.136	3.6	0.4	0.835	0.914	0.58	1.4	2.8	3.54
00340 COD, .25N K2CR2O7	MG/L	08/13/68-12/21/80	11	23.	23.273	57.	0.	335.618	18.32	0.	3.	37.	54.2
00400p PH (STANDARD UNITS)		04/11/61-12/21/80	12	8.3	8.067	8.6	6.9	0.27	0.519	7.05	7.675	8.4	8.57
00400p CONVERTED PH (STANDARD UNITS)		04/11/61-12/21/80	12	8.3	7.701	8.6	6.9	0.416	0.645	7.05	7.675	8.4	8.57
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/11/61-12/21/80	12	0.005	0.02	0.126	0.003	0.001	0.035	0.003	0.004	0.022	0.1
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		04/11/61-05/30/79	11	235.	234.455	402.	134.	6236.073	78.969	135.8	170.	288.	382.
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		01/12/76-12/21/80	12	79.	130.917	556.	0.	24095.174	155.226	1.5	26.25	198.75	462.4
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/11/61-12/21/80	11	0.	0.018	0.1	0.	0.002	0.04	0.	0.	0.	0.1
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/16/68-12/21/80	10	0.45	0.46	1.	0.	0.132	0.363	0.	0.075	0.75	0.99
00660 PHOSPHATE, ORTHO (MG/L AS PO4)		01/12/76-01/22/80	12	0.1	0.133	0.2	0.1	0.002	0.049	0.1	0.1	0.2	0.2
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-12/21/80	11	10.	10.545	13.	9.	2.073	1.44	9.	9.	12.	12.8
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-12/21/80	11	3.	4.727	27.	2.	54.818	7.404	2.	2.	3.	22.2
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	11	67.	154.455	820.	0.	56419.673	237.528	0.	0.	200.	705.2
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	11	1.826	1.538	2.914	0.	1.111	1.054	0.	0.	2.301	2.809
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		34.541									

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station MNRR0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/11/61-12/21/80	9	16.2	14.189	23.8	0.	74.721	8.644	0.	5.5	22.65	23.8
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		07/22/68-05/30/78	9	18.3	14.6	23.8	-5.	82.28	9.071	7.8	2.4	20.85	23.8
00060p FLOW, STREAM, MEAN DAILY	CFS	04/11/61-12/21/80	9	1350.	1470.	2700.	860.	312175.	558.726	860.	1080.	1775.	2700.
00070 TURBIDITY, (JACKSON CANDLE UNITS)		04/11/61-12/14/77	9	67.	88.811	280.	8.3	5777.646	76.011	8.3	58.	92.5	280.
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/11/61-12/21/80	9	265.	268.889	345.	200.	1748.611	41.816	200.	240.	292.5	345.
00300p OXYGEN, DISSOLVED	MG/L	04/11/61-12/21/80	9	9.1	9.644	12.5	7.7	2.998	1.731	7.7	8.3	11.5	12.5
00310p BOD, 5 DAY, 20 DEG C	MG/L	01/10/62-12/21/80	9	2.	2.711	6.6	0.6	3.849	1.962	0.6	1.05	4.1	6.6
00340 COD, .25N K2CR2O7	MG/L	08/13/68-12/21/80	9	53.	81.222	262.	10.	5647.194	75.148	10.	39.5	109.	262.
00400p PH (STANDARD UNITS)		04/11/61-12/21/80	9	8.	7.956	8.4	7.2	0.13	0.361	7.2	7.75	8.2	8.4
00400p CONVERTED PH (STANDARD UNITS)		04/11/61-12/21/80	9	8.	7.795	8.4	7.2	0.159	0.399	7.2	7.75	8.2	8.4
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/11/61-12/21/80	9	0.01	0.016	0.063	0.004	0.	0.018	0.004	0.006	0.018	0.063
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		04/11/61-05/30/79	7	220.	226.286	316.	181.	2237.905	47.306	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		01/12/76-12/21/80	8	168.	179.	300.	18.	7138.571	84.49	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/11/61-12/21/80	9	0.08	0.822	3.5	0.	2.306	1.518	0.	0.04	1.8	3.5
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/16/68-12/21/80	9	0.5	0.539	1.6	0.	0.251	0.501	0.	0.075	0.8	1.6
00660 PHOSPHATE, ORTHO (MG/L AS PO4)		01/12/76-01/22/80	9	0.1	0.111	0.2	0.1	0.001	0.033	0.1	0.1	0.1	0.2
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-12/21/80	9	11.	11.	13.	9.	1.75	1.323	9.	10.	12.	13.
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-12/21/80	9	3.	8.111	47.	2.	213.861	14.624	2.	2.5	5.	47.
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	9	880.	1957.667	9000.	280.	7816204.5	2795.748	280.	381.5	2585.	9000.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	9	2.944	3.001	3.954	2.447	0.256	0.506	2.447	2.574	3.41	3.954
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		1001.701									

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station MNRR0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/11/61-12/21/80	12	9.7	10.575	26.2	0.	108.46	10.414	0.	0.	18.875	25.87
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		07/22/68-05/30/78	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00060p FLOW, STREAM, MEAN DAILY	CFS	04/11/61-12/21/80	12	1390.	2339.167	11200.	940.	8212208.333	2865.695	946.	1047.5	2400.	8740.
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/11/61-12/21/80	12	267.5	274.583	350.	245.	1065.72	32.645	245.	250.	287.5	341.
00300p OXYGEN, DISSOLVED	MG/L	04/11/61-12/21/80	12	9.7	9.983	13.	7.6	3.043	1.745	7.78	8.425	11.75	12.82
00310p BOD, 5 DAY, 20 DEG C	MG/L	01/10/62-12/21/80	12	4.2	3.833	7.6	1.3	3.279	1.811	1.48	2.	4.75	6.97
00340 COD, .25N K2CR2O7	MG/L	08/13/68-12/21/80	11	38.	38.682	91.	1.	902.214	30.037	1.3	5.	63.	85.6
00400p PH (STANDARD UNITS)		04/11/61-12/21/80	10	8.15	8.05	8.5	7.4	0.089	0.299	7.44	7.875	8.2	8.47
00400p CONVERTED PH (STANDARD UNITS)		04/11/61-12/21/80	10	8.147	7.941	8.5	7.4	0.103	0.32	7.44	7.875	8.2	8.47
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/11/61-12/21/80	10	0.007	0.011	0.04	0.003	0.	0.011	0.003	0.006	0.013	0.037
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		01/12/76-12/21/80	11	146.	189.636	556.	19.	34294.055	185.187	20.4	40.	224.	546.8
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/11/61-12/21/80	12	0.1	0.127	0.5	0.015	0.016	0.126	0.02	0.085	0.1	0.41
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/16/68-12/21/80	12	0.55	0.613	1.4	0.02	0.218	0.467	0.026	0.15	1.	1.34
00660 PHOSPHATE, ORTHO (MG/L AS PO4)		01/12/76-01/22/80	12	0.15	0.236	0.6	0.03	0.038	0.194	0.051	0.1	0.45	0.57
00915 CALCIUM, DISSOLVED (MG/L AS CA)		07/22/68-12/21/80	12	41.	40.25	46.	34.	14.205	3.769	34.6	36.5	43.5	45.7
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		07/22/68-12/21/80	12	6.	5.833	9.	4.	1.606	1.267	4.3	5.	6.	8.4
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-12/21/80	12	10.	10.417	15.	6.	4.992	2.234	6.9	9.25	11.75	14.4
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-12/21/80	12	2.5	2.917	7.	2.	2.083	1.443	2.	2.	3.	6.1
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	12	165.	644.458	4800.	35.5	1798667.794	1341.144	46.75	103.75	582.5	3666.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	12	2.204	2.348	3.681	1.55	0.334	0.578	1.644	2.015	2.724	3.479
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		223.057									

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station MNRR0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/11/61-12/21/80	11	13.8	10.8	23.5	0.	100.17	10.008	0.04	0.4	20.1	23.36
00060p FLOW, STREAM, MEAN DAILY	CFS	04/11/61-12/21/80	12	1360.	1438.5	3160.	803.	373993.	611.55	846.8	1065.	1607.5	2722.
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/11/61-12/21/80	11	245.	259.545	330.	235.	907.273	30.121	235.	240.	280.	322.
00300p OXYGEN, DISSOLVED	MG/L	04/11/61-12/21/80	11	9.4	9.945	12.8	8.3	2.609	1.615	8.34	8.6	11.6	12.72
00310p BOD, 5 DAY, 20 DEG C	MG/L	01/10/62-12/21/80	11	2.5	3.218	6.3	1.	3.162	1.778	1.02	2.	4.9	6.06
00340 COD, .25N K2CR2O7	MG/L	08/13/68-12/21/80	10	37.	38.5	73.	20.	234.5	15.313	20.3	26.75	48.	70.5
00400p PH (STANDARD UNITS)		04/11/61-12/21/80	11	8.	7.809	8.6	6.3	0.569	0.754	6.38	7.2	8.4	8.58
00400p CONVERTED PH (STANDARD UNITS)		04/11/61-12/21/80	11	8.	7.127	8.6	6.3	1.081	1.04	6.38	7.2	8.4	8.58
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/11/61-12/21/80	11	0.01	0.075	0.501	0.003	0.023	0.153	0.003	0.004	0.063	0.441
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		04/11/61-05/30/79	1	209.	209.	209.	209.	0.	0.	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		01/12/76-12/21/80	11	142.	123.455	250.	13.	7720.873	87.868	13.8	28.	190.	245.6
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/11/61-12/21/80	10	0.025	0.041	0.2	0.01	0.003	0.057	0.01	0.01	0.04	0.184
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/16/68-12/21/80	11	0.7	0.558	1.2	0.	0.254	0.504	0.002	0.01	1.	1.18
00660 PHOSPHATE, ORTHO (MG/L AS PO4)		01/12/76-01/22/80	11	0.1	0.151	0.3	0.06	0.005	0.073	0.068	0.1	0.2	0.28
00915 CALCIUM, DISSOLVED (MG/L AS CA)		07/22/68-12/21/80	10	57.	56.1	81.	36.	331.878	18.218	36.1	37.75	71.5	80.8
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		07/22/68-12/21/80	10	5.	4.9	6.	4.	0.322	0.568	4.	4.75	5.	5.9
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-12/21/80	10	9.5	9.4	10.	8.	0.489	0.699	8.1	9.	10.	10.
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-12/21/80	11	2.	1.909	2.	1.	0.091	0.302	1.2	2.	2.	2.
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	10	370.	490.1	1300.	41.	225870.544	475.258	41.6	113.	791.5	1300.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	10	2.529	2.446	3.114	1.613	0.291	0.54	1.619	2.016	2.874	3.114
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		279.445									

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

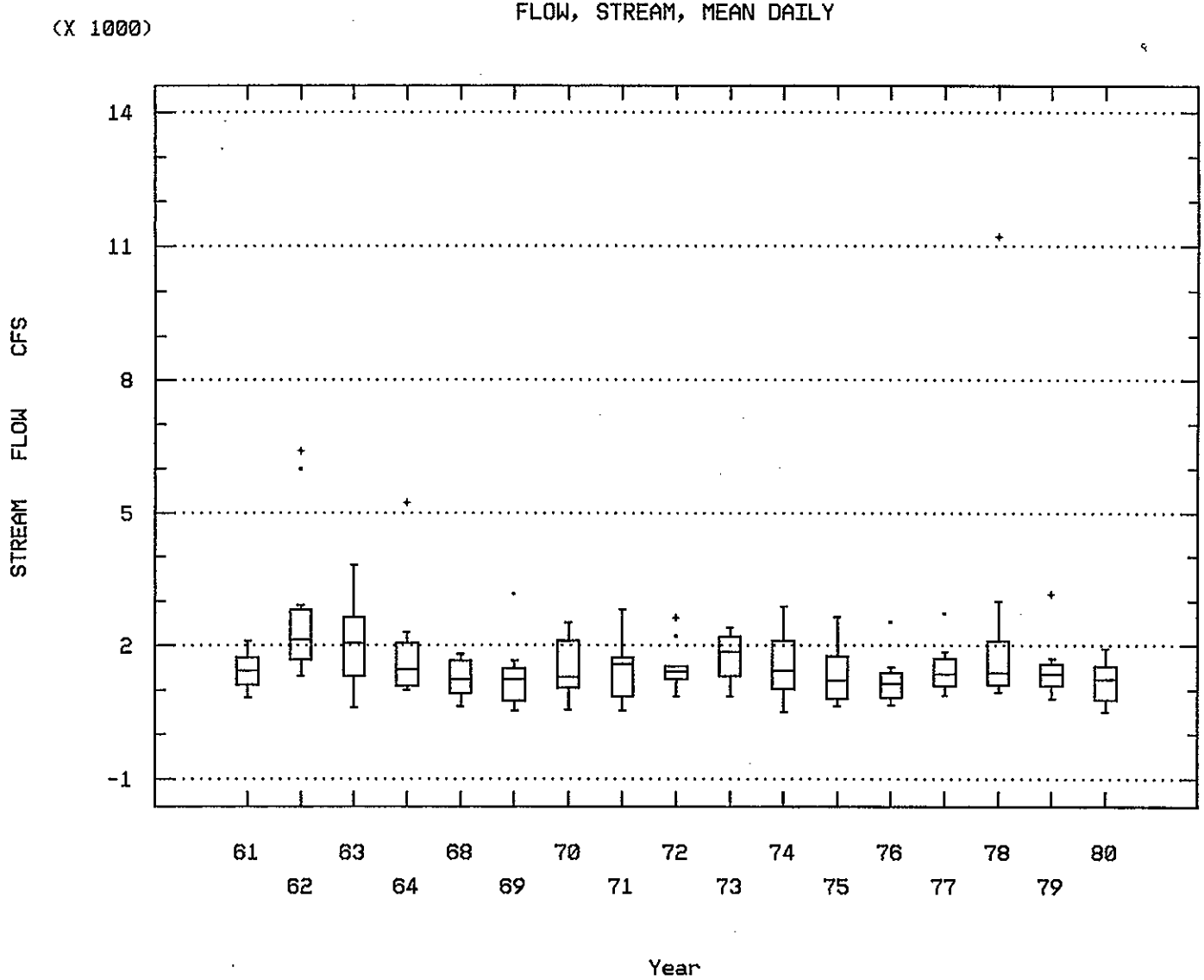
Annual Analysis for 1980 - Station MNRR0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/11/61-12/21/80	11	15.	13.045	28.	0.	114.823	10.716	0.	3.	24.	27.8
00060p FLOW, STREAM, MEAN DAILY	CFS	04/11/61-12/21/80	11	1230.	1209.	1920.	507.	217063.8	465.901	525.6	768.	1530.	1900.
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/11/61-12/21/80	11	270.	273.636	330.	240.	630.455	25.109	242.	255.	290.	322.
00300p OXYGEN, DISSOLVED	MG/L	04/11/61-12/21/80	10	10.7	10.59	13.3	8.1	3.43	1.852	8.1	8.475	12.	13.23
00310p BOD, 5 DAY, 20 DEG C	MG/L	01/10/62-12/21/80	11	3.	3.3	8.2	0.3	5.732	2.394	0.38	1.1	5.2	7.78
00340 COD, .25N K2CR2O7	MG/L	08/13/68-12/21/80	11	39.	35.727	64.	13.	280.018	16.734	13.2	19.	44.	62.4
00400p PH (STANDARD UNITS)		04/11/61-12/21/80	11	8.1	8.091	8.5	7.4	0.165	0.406	7.44	7.7	8.5	8.5
00400p CONVERTED PH (STANDARD UNITS)		04/11/61-12/21/80	11	8.1	7.914	8.5	7.4	0.199	0.446	7.44	7.7	8.5	8.5
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/11/61-12/21/80	11	0.008	0.012	0.04	0.003	0.	0.012	0.003	0.003	0.02	0.037
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		01/12/76-12/21/80	11	117.	129.364	396.	4.	13318.655	115.406	8.8	50.	220.	364.
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/11/61-12/21/80	11##	0.01	0.033	0.08	0.01	0.001	0.028	0.01	0.01	0.06	0.076
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/16/68-12/21/80	11	0.49	0.589	1.46	0.01	0.289	0.537	0.01	0.03	0.9	1.448
00660 PHOSPHATE, ORTHO (MG/L AS PO4)		01/12/76-01/22/80	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		07/22/68-12/21/80	11	35.	37.818	53.	33.	32.764	5.724	33.2	34.	39.	50.6
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		07/22/68-12/21/80	11	5.	5.	6.	4.	0.6	0.775	4.	4.	6.	6.
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-12/21/80	11	10.	10.909	21.	8.	12.291	3.506	8.2	9.	11.	19.2
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-12/21/80	11	2.	1.955	4.	0.5	1.173	1.083	0.5	1.	3.	3.8
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	11	210.	201.091	450.	20.	13444.641	115.951	34.7	130.	260.	422.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	11	2.322	2.208	2.653	1.301	0.127	0.356	1.435	2.114	2.415	2.621
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		161.501									

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: MNRR0072 Parameter Code: 00060

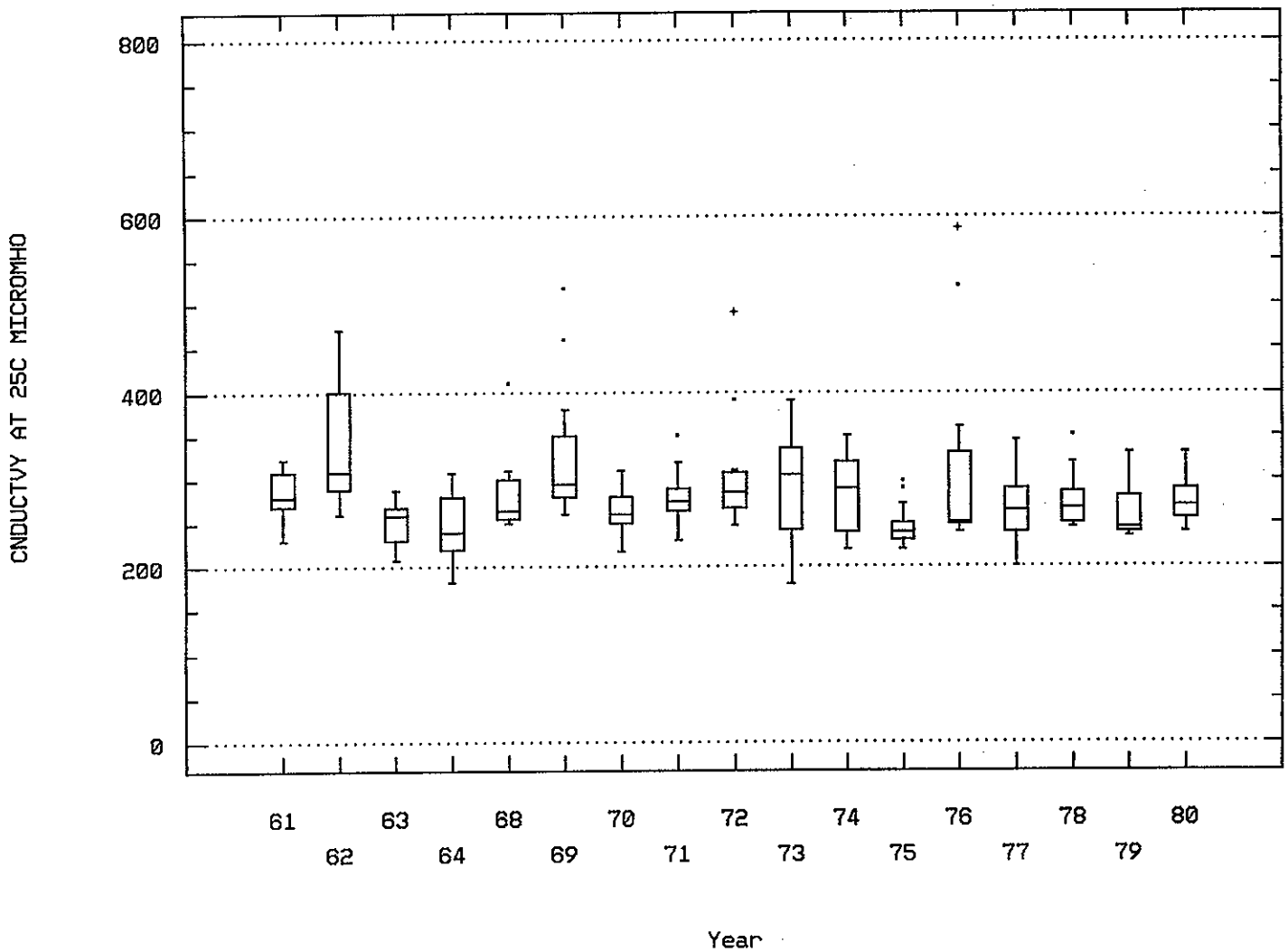
FLOW, STREAM, MEAN DAILY



NIOBRARA RIVER AT NIOBRARA

Station: MNRR0072 Parameter Code: 00095

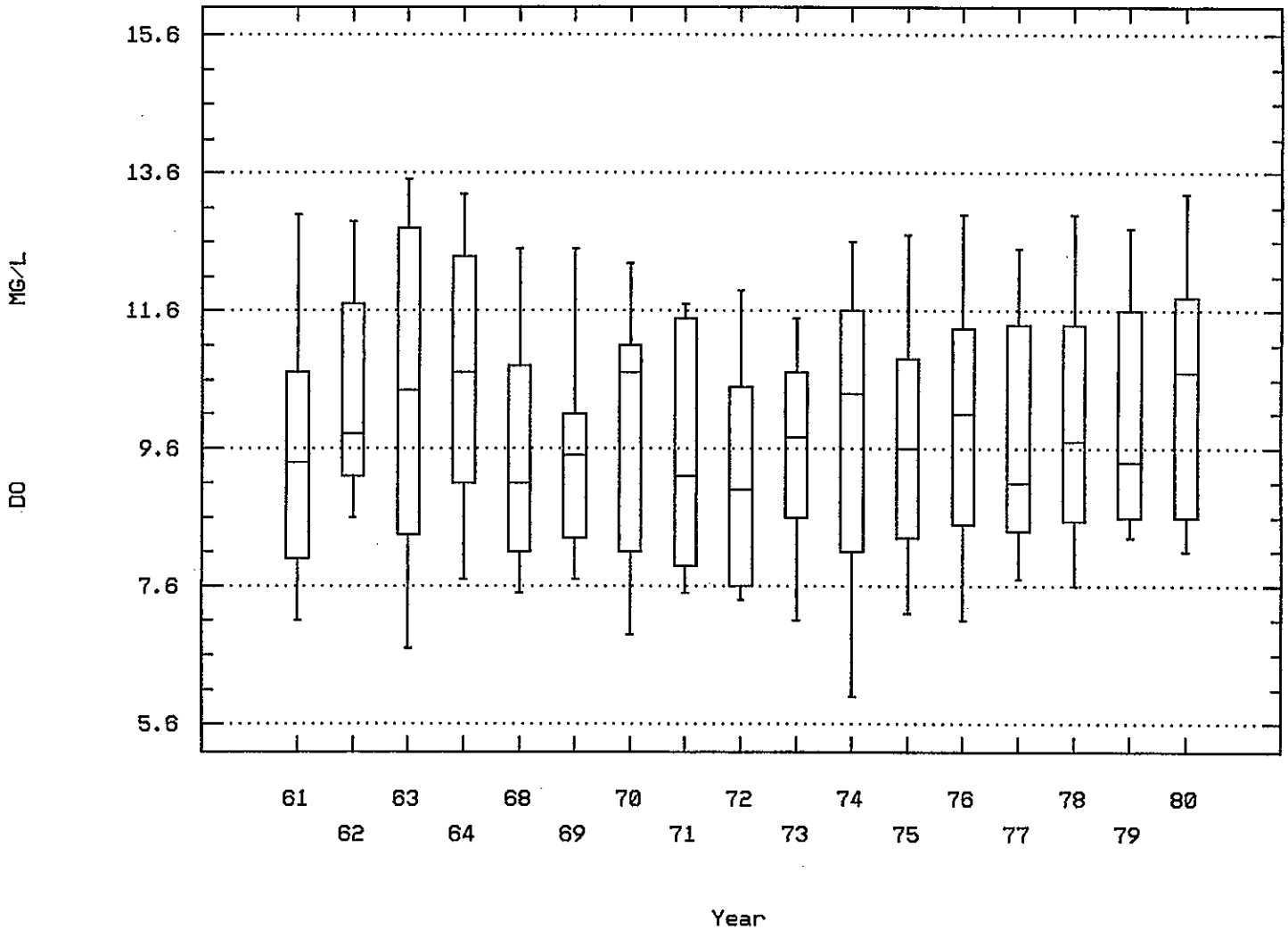
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



NIOBRARA RIVER AT NIOBRARA

Station: MNRR0072 Parameter Code: 00300

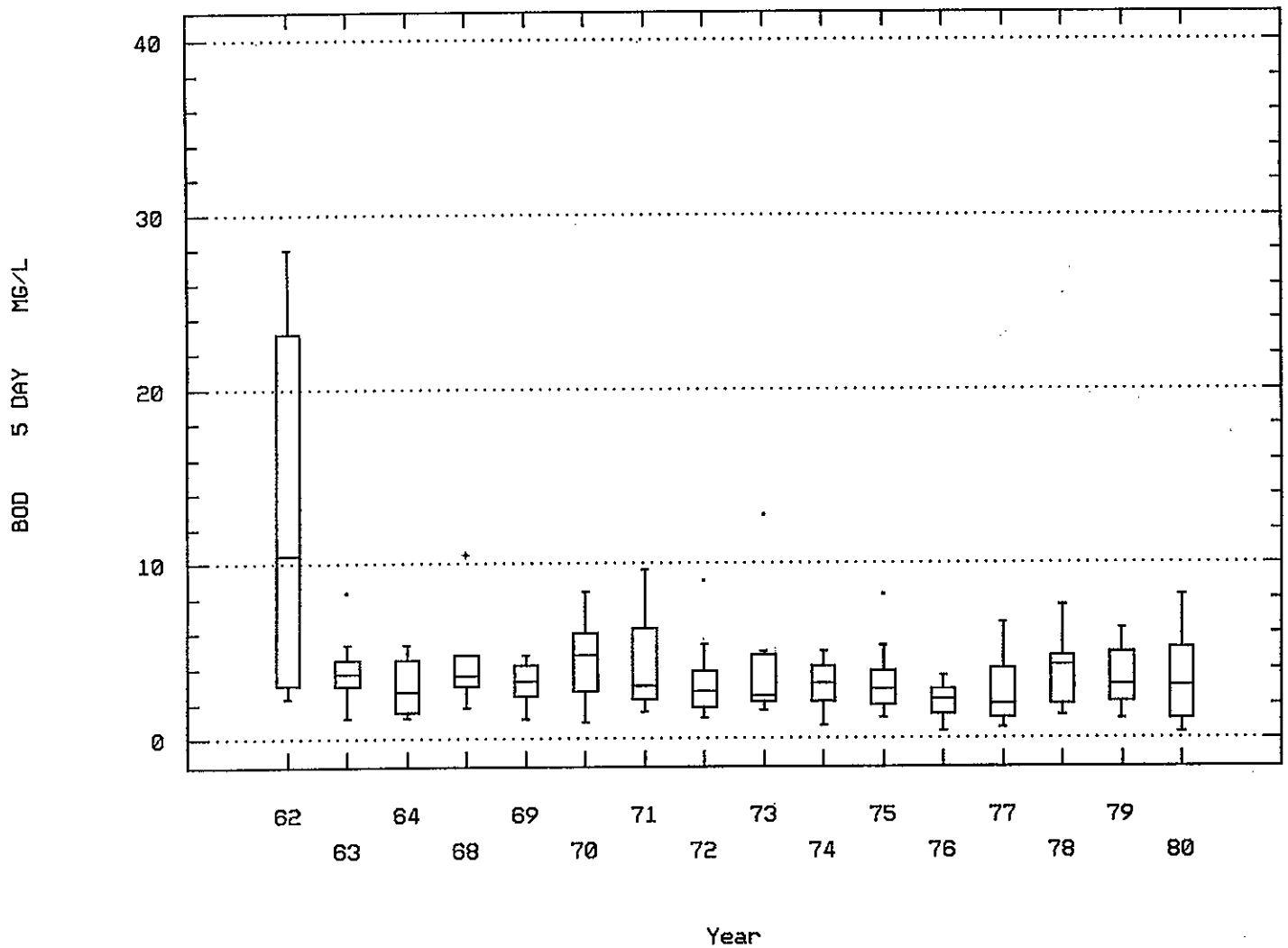
OXYGEN, DISSOLVED



NIOBRARA RIVER AT NIOBRARA

Station: MNRR0072 Parameter Code: 00310

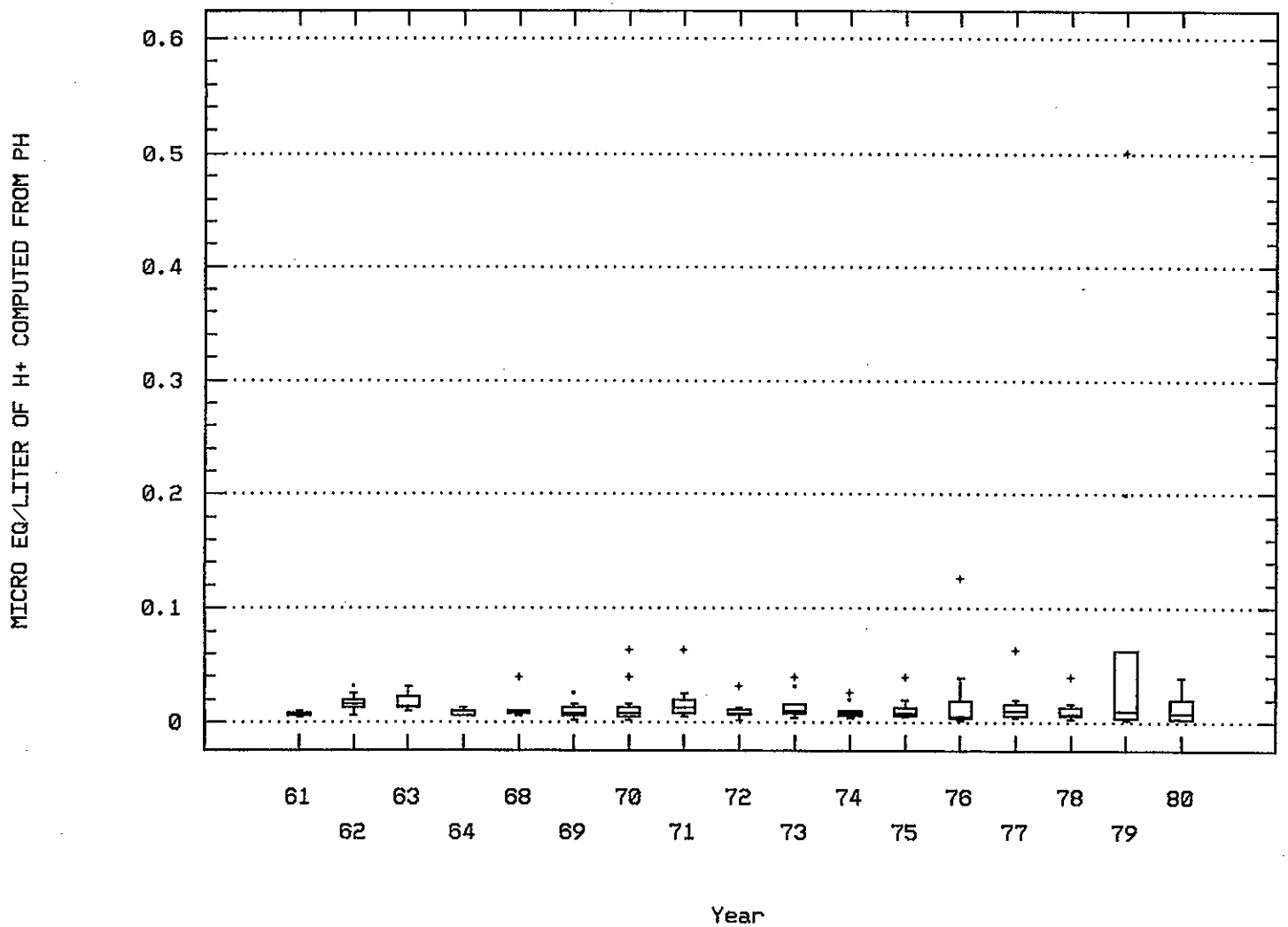
BOD, 5 DAY, 20 DEG C



NIOBRARA RIVER AT NIOBRARA

Station: MNRR0072 Parameter Code: 00400

MICRO EQ/LITER OF H+ COMPUTED FROM PH



NIOBRARA RIVER AT NIOBRARA

Seasonal Analysis for Season #1: 11/20 to 1/14 - Station MNRR0072

	Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/11/61-12/21/80	21	0.	0.776	7.	0.	2.84	1.685	0.	0.	1.05	2.96
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)		07/22/68-05/30/78	10	0.	0.33	7.2	-5.	12.885	3.59	0.	0.	4.425	-4.89
00060	FLOW, STREAM, MEAN DAILY	CFS	04/11/61-12/21/80	21	1300.	1274.286	2200.	507.	230813.614	480.431	612.	831.5	1590.	2120.
00070	TURBIDITY, (JACKSON CANDLE UNITS)		04/11/61-12/14/77	16	85.	82.581	276.	8.	5425.952	73.661	8.21	20.5	108.5	222.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/11/61-12/21/80	21	289.	309.238	585.	220.	6500.19	80.624	232.	260.	337.5	406.
00300	OXYGEN, DISSOLVED	MG/L	04/11/61-12/21/80	20	12.3	11.945	13.	9.8	0.805	0.897	10.62	11.425	12.65	12.99
00310	BOD, 5 DAY, 20 DEG C	MG/L	01/10/62-12/21/80	19	2.4	3.511	23.4	0.4	24.865	4.987	0.7	1.1	3.6	4.8
00335	COD, .025N K2CR2O7	MG/L	01/10/62-05/30/79	5	23.	30.4	48.	16.	236.3	15.372	**	**	**	**
00340	COD, .25N K2CR2O7	MG/L	08/13/68-12/21/80	14	17.5	23.286	100.	0.	659.758	25.686	0.	6.5	31.75	71.
00400	PH (STANDARD UNITS)		04/11/61-12/21/80	18	7.9	7.789	8.4	6.7	0.169	0.411	7.15	7.65	8.025	8.22
00400	CONVERTED PH (STANDARD UNITS)		04/11/61-12/21/80	18	7.9	7.54	8.4	6.7	0.235	0.484	7.15	7.65	8.025	8.22
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/11/61-12/21/80	18	0.013	0.029	0.2	0.004	0.002	0.046	0.006	0.009	0.023	0.077
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		04/11/61-11/05/75	13	144.	149.846	252.	120.	1169.641	34.2	123.2	130.	160.	220.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		04/11/61-05/30/79	10	224.5	283.	698.	190.	23283.556	152.59	190.	205.	308.	660.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/11/61-12/21/80	9	0.06	0.073	0.3	0.	0.009	0.095	0.	0.005	0.1	0.3
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/16/68-12/21/80	15	0.99	0.893	1.7	0.05	0.205	0.453	0.26	0.7	1.	1.64
00650	PHOSPHATE, TOTAL (MG/L AS PO4)		04/11/61-07/09/75	10	0.3	0.36	0.6	0.2	0.014	0.117	0.21	0.3	0.425	0.59
00900	HARDNESS, TOTAL (MG/L AS CACO3)		01/10/62-11/05/75	12	136.	134.5	180.	66.	686.091	26.193	84.3	128.	147.	171.6
00915	CALCIUM, DISSOLVED (MG/L AS CA)		07/22/68-12/21/80	12	44.5	48.333	81.	40.	130.424	11.42	40.3	41.	52.5	72.9
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		07/22/68-12/21/80	12	6.	6.417	11.	2.	6.265	2.503	2.9	5.	7.	11.
00930	SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-12/21/80	15	12.	13.6	25.	9.	21.543	4.641	9.	10.	16.	22.6
00931	SODIUM ADSORPTION RATIO		05/16/68-07/09/75	7	0.5	0.543	1.	0.3	0.056	0.237	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)		05/16/68-11/05/75	7	5.	5.	6.	4.	1.	1.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-12/21/80	15	3.	2.8	6.	0.5	2.564	1.601	0.5	2.	3.	6.
00945	SULFATE, TOTAL (MG/L AS SO4)		05/16/68-11/05/75	6	19.5	27.167	76.	10.	592.567	24.343	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,35C		04/11/61-08/13/68	4	145.	210.	500.	50.	39400.	198.494	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,		04/11/61-08/13/68	4	2.161	2.18	2.699	1.699	0.167	0.409	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,3				GEOMETRIC MEAN =	151.37								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	14	65.	103.821	466.	0.	13972.754	118.206	10.	38.875	128.75	333.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	14	1.801	1.756	2.668	0.	0.378	0.615	0.651	1.589	2.103	2.485
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	57.074								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 3/14 - Station MNRR0072

	Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/11/61-12/21/80	30	0.	0.37	6.	0.	1.46	1.208	0.	0.	0.	0.95
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)		07/22/68-05/30/78	20	0.	1.315	14.	-7.2	21.237	4.608	0.	0.	0.	8.28
00060	FLOW, STREAM, MEAN DAILY	CFS	04/11/61-12/21/80	31	1800.	1871.613	3160.	900.	290993.978	539.439	1250.	1450.	2150.	2680.
00070	TURBIDITY, (JACKSON CANDLE UNITS)		04/11/61-12/14/77	24	29.	57.958	442.	7.	8555.868	92.498	10.	13.5	48.75	168.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/11/61-12/21/80	31	275.	276.871	490.	182.	2925.649	54.089	221.6	245.	297.	329.
00300	OXYGEN, DISSOLVED	MG/L	04/11/61-12/21/80	31	11.5	11.365	13.5	8.8	1.448	1.203	9.8	10.5	12.4	12.86
00310	BOD, 5 DAY, 20 DEG C	MG/L	01/10/62-12/21/80	30	2.15	2.86	15.6	0.7	7.571	2.752	1.2	1.5	3.325	4.78
00335	COD, .025N K2CR2O7	MG/L	01/10/62-05/30/79	4	19.	18.25	23.	12.	26.917	5.188	**	**	**	**
00340	COD, .25N K2CR2O7	MG/L	08/13/68-12/21/80	26	13.5	15.25	35.	0.	84.145	9.173	2.05	10.5	20.	31.3
00400	PH (STANDARD UNITS)		04/11/61-12/21/80	31	7.9	7.832	8.5	7.2	0.096	0.31	7.4	7.6	8.	8.28
00400	CONVERTED PH (STANDARD UNITS)		04/11/61-12/21/80	31	7.9	7.729	8.5	7.2	0.107	0.328	7.4	7.6	8.	8.28
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/11/61-12/21/80	31	0.013	0.019	0.063	0.003	0.	0.014	0.005	0.01	0.025	0.04
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		04/11/61-11/05/75	24	127.5	129.833	236.	80.	805.536	28.382	98.	120.	139.25	150.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		04/11/61-05/30/79	18	200.	206.889	350.	134.	2403.869	49.029	157.4	170.	238.5	267.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/11/61-12/21/80	7	0.04	0.046	0.1	0.01	0.001	0.033	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/16/68-12/21/80	27	0.8	0.772	2.2	0.05	0.28	0.529	0.05	0.3	1.2	1.4
00650	PHOSPHATE, TOTAL (MG/L AS PO4)		04/11/61-07/09/75	18	0.35	0.422	1.5	0.1	0.096	0.31	0.1	0.3	0.5	0.78
00900	HARDNESS, TOTAL (MG/L AS CACO3)		01/10/62-11/05/75	24	130.5	131.333	224.	80.	887.275	29.787	92.	116.	148.75	164.
00915	CALCIUM, DISSOLVED (MG/L AS CA)		07/22/68-12/21/80	26	41.	41.385	74.	27.	67.526	8.217	34.1	37.	44.25	47.9
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		07/22/68-12/21/80	26	6.	6.923	11.	5.	3.354	1.831	5.	5.75	8.	10.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 3/14 - Station MNRR0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-12/21/80	27	11.	13.148	48.	7.	63.131	7.946	8.8	9.	13.	21.6
00931 SODIUM ADSORPTION RATIO		05/16/68-07/09/75	19	0.4	0.568	2.	0.2	0.157	0.396	0.3	0.4	0.6	1.
00935 POTASSIUM, DISSOLVED (MG/L AS K)		05/16/68-11/05/75	19	6.	6.263	11.	4.	2.316	1.522	5.	5.	7.	8.
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-12/21/80	27	2.	2.148	10.	0.	3.612	1.9	0.5	0.5	3.	4.
00945 SULFATE, TOTAL (MG/L AS SO4)		05/16/68-11/05/75	17	18.	19.353	52.	4.	140.493	11.853	4.8	10.	24.5	36.
31501 COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C		04/11/61-08/13/68	3	210.	218.333	250.	195.	808.333	28.431	**	**	**	**
31501 LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,		04/11/61-08/13/68	3	2.322	2.337	2.398	2.29	0.003	0.055	**	**	**	**
31501 GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3				GEOMETRIC MEAN =	217.136								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	24	50.	86.833	546.	0.	13318.493	115.406	0.	12.5	100.	217.5
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	24	1.699	1.541	2.737	0.	0.578	0.76	0.	1.075	2.	2.337
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	34.729								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 7/14 - Station MNRR0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/11/61-12/21/80	67	15.2	14.678	29.	0.	54.19	7.361	2.8	9.	20.	23.84
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		07/22/68-05/30/78	40	19.	16.365	34.	-1.	69.778	8.353	4.	2.5	21.	24.88
00060 FLOW, STREAM, MEAN DAILY	CFS	04/11/61-12/21/80	68	1675.	2059.676	11200.	506.	2124931.327	1457.714	897.5	1352.5	2405.	2910.
00070 TURBIDITY, (JACKSON CANDLE UNITS)		04/11/61-12/14/77	56	117.	298.679	4100.	4.	503866.877	709.836	40.1	63.75	259.5	432.9
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/11/61-12/21/80	67	290.	294.91	471.	180.	2896.628	53.82	240.	258.	320.	356.
00300 OXYGEN, DISSOLVED	MG/L	04/11/61-12/21/80	67	9.2	9.394	13.5	6.7	2.409	1.552	7.4	8.2	10.6	11.62
00310 BOD, 5 DAY, 20 DEG C	MG/L	01/10/62-12/21/80	55	3.9	5.438	28.	0.6	29.767	5.456	1.8	2.4	5.7	10.88
00335 COD, .025N K2CR207	MG/L	01/10/62-05/30/79	15	32.	52.327	273.	10.9	4190.829	64.737	15.76	20.	52.	165.6
00340 COD, .25N K2CR207	MG/L	08/13/68-12/21/80	39	31.	46.462	353.	0.	4362.045	66.046	5.	18.	56.	73.
00400 PH (STANDARD UNITS)		04/11/61-12/21/80	66	8.1	8.032	8.7	6.9	0.105	0.324	7.6	7.9	8.2	8.4
00400 CONVERTED PH (STANDARD UNITS)		04/11/61-12/21/80	66	8.1	7.88	8.7	6.9	0.129	0.359	7.6	7.9	8.2	8.4
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/11/61-12/21/80	66	0.008	0.013	0.126	0.002	0.	0.017	0.004	0.006	0.013	0.025
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		04/11/61-11/05/75	50	136.	134.84	172.	104.	170.913	13.073	120.	124.75	140.	148.
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		04/11/61-05/30/79	37	220.	247.459	750.	143.	14774.2	121.549	177.6	192.	248.	300.
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/11/61-12/21/80	20	0.08	0.558	3.5	0.	1.167	1.08	0.	0.01	0.575	3.3
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/16/68-12/21/80	48	0.4	0.35	1.5	0.	0.107	0.328	0.	0.05	0.5	0.8
00650 PHOSPHATE, TOTAL (MG/L AS PO4)		04/11/61-07/09/75	36	0.4	0.5	3.9	0.1	0.397	0.63	0.2	0.2	0.5	0.93
00900 HARDNESS, TOTAL (MG/L AS CACO3)		01/10/62-11/05/75	47	132.	138.085	228.	80.	837.297	28.936	104.	124.	151.	180.8
00915 CALCIUM, DISSOLVED (MG/L AS CA)		07/22/68-12/21/80	40	42.	42.85	66.	27.	52.849	7.27	35.	38.25	47.75	50.9
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		07/22/68-12/21/80	40	6.	7.225	16.	3.	7.153	2.675	5.	6.	8.	10.9
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-12/21/80	48	12.	13.208	30.	6.	22.977	4.793	9.	10.	14.	21.1
00931 SODIUM ADSORPTION RATIO		05/16/68-07/09/75	32	0.4	0.522	1.	0.2	0.038	0.195	0.4	0.4	0.6	0.87
00935 POTASSIUM, DISSOLVED (MG/L AS K)		05/16/68-11/05/75	32	7.5	7.656	11.	6.	1.588	1.26	6.	7.	8.75	9.
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-12/21/80	51	2.	3.029	27.	0.	15.114	3.888	0.5	2.	3.	5.8
00945 SULFATE, TOTAL (MG/L AS SO4)		05/16/68-11/05/75	33	26.	32.303	170.	8.	788.218	28.075	8.4	20.	39.5	52.6
31501 COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C		04/11/61-08/13/68	9	450.	1109.444	4300.	50.	1952102.778	1397.177	50.	232.5	1750.	4300.
31501 LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,		04/11/61-08/13/68	9	2.653	2.729	3.633	1.699	0.354	0.595	1.699	2.347	3.211	3.633
31501 GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3				GEOMETRIC MEAN =	535.831								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	44	245.	2212.205	37000.	0.	38805085.329	6229.373	0.	55.	1087.5	6900.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	44	2.388	2.258	4.568	0.	1.502	1.226	0.	1.736	3.034	3.818
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	181.32								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 7/15 to 11/19 - Station MNRR0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/11/61-12/21/80	83	17.	15.753	32.5	0.	67.969	8.244	3.	8.	22.	26.12
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		07/22/68-05/30/78	46	18.	17.367	35.	0.	96.093	9.803	1.4	9.3	24.25	30.6
00060 FLOW, STREAM, MEAN DAILY	CFS	04/11/61-12/21/80	84	1100.	1220.821	6380.	520.	495654.847	704.028	650.	856.25	1427.5	1720.
00070 TURBIDITY, (JACKSON CANDLE UNITS)		04/11/61-12/14/77	70	77.5	175.257	2280.	13.	110044.947	331.73	24.4	41.5	191.	294.4
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/11/61-12/21/80	83	260.	268.313	520.	190.	2659.73	51.573	232.	241.	280.	300.
00300 OXYGEN, DISSOLVED	MG/L	04/11/61-12/21/80	82	8.95	9.229	13.3	6.	2.388	1.545	7.53	8.	10.275	11.7
00310 BOD, 5 DAY, 20 DEG C	MG/L	01/10/62-12/21/80	68	3.45	3.7	10.5	0.3	3.821	1.955	1.75	2.225	4.8	6.6
00335 COD, .025N K2CR2O7	MG/L	01/10/62-05/30/79	13	42.	45.231	137.	11.	998.026	31.592	14.6	27.5	49.	110.6
00340 COD, .25N K2CR2O7	MG/L	08/13/68-12/21/80	53	31.	33.245	118.	0.	600.612	24.507	6.4	16.5	43.	63.2
00400 PH (STANDARD UNITS)		04/11/61-12/21/80	82	8.1	8.06	8.6	6.3	0.111	0.333	7.7	8.	8.2	8.4
00400 CONVERTED PH (STANDARD UNITS)		04/11/61-12/21/80	82	8.1	7.789	8.6	6.3	0.185	0.43	7.7	8.	8.2	8.4
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/11/61-12/21/80	82	0.008	0.016	0.501	0.003	0.003	0.055	0.004	0.006	0.01	0.02
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		04/11/61-11/05/75	60	128.	127.617	184.	48.	388.037	19.699	116.	122.	136.	147.6
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		04/11/61-05/30/79	47	210.	308.596	3266.	58.	206723.029	454.668	174.8	190.	246.	430.
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/11/61-12/21/80	29	0.06	0.188	1.1	0.	0.099	0.314	0.	0.01	0.15	0.9
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/16/68-12/21/80	63	0.1	0.448	11.4	0.	2.066	1.437	0.	0.05	0.5	0.8
00650 PHOSPHATE, TOTAL (MG/L AS PO4)		04/11/61-07/09/75	44	0.3	0.53	5.9	0.1	0.809	0.899	0.2	0.2	0.5	1.
00900 HARDNESS, TOTAL (MG/L AS CACO3)		01/10/62-11/05/75	55	120.	119.273	240.	35.	961.832	31.013	88.	112.	132.	145.6
00915 CALCIUM, DISSOLVED (MG/L AS CA)		07/22/68-12/21/80	55	38.	38.436	80.	4.	204.065	14.285	29.4	34.	40.	56.8
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		07/22/68-12/21/80	55	6.	6.273	14.	3.	4.684	2.164	4.	5.	7.	10.
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-12/21/80	64	10.	12.078	27.	8.	17.057	4.13	9.	10.	13.75	19.
00931 SODIUM ADSORPTION RATIO		05/16/68-07/09/75	35	0.6	0.609	1.	0.3	0.054	0.233	0.4	0.4	0.7	1.
00935 POTASSIUM, DISSOLVED (MG/L AS K)		05/16/68-11/05/75	42	6.	6.357	10.	3.	2.674	1.635	4.	5.75	7.	9.
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-12/21/80	64	2.	2.914	47.	0.	34.973	5.914	0.5	0.625	3.	4.5
00945 SULFATE, TOTAL (MG/L AS SO4)		05/16/68-11/05/75	39	15.	17.09	115.	0.	307.788	17.544	2.	12.	18.	26.
31501 COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,35C		04/11/61-08/13/68	10	1050.	18921.5	176000.	0.	3047841678.056	55207.261	45.	562.5	3386.25	158835.
31501 LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,		04/11/61-08/13/68	10	3.021	3.006	5.246	0.	1.656	1.287	0.265	2.747	3.524	5.085
31501 GM COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,3				GEOMETRIC MEAN =	1014.299								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	49	220.	430.673	3500.	0.	382889.922	618.781	0.	91.75	510.	1060.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		10/15/68-12/21/80	49	2.342	2.149	3.544	0.	0.844	0.919	0.	1.963	2.707	3.025
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	141.044								

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Station Inventory for Station: MNRR0073

NPS Station ID: MNRR0073 LAT/LON: 42.677226/ -98.039726 Agency: 1117MBR Date Created: 04/06/96
Location: VERDIGRE CREEK FIPS State/County: 31107 NEBRASKA/KNOX
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 009565
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 10150007 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 10150007 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 10170203001300.00 RF3 Mile Point: 6.56 Distance from RF3: 0.09 On/Off RF3:
Description:

Parameter Inventory for Station: MNRR0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/08/94-07/08/94	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	07/08/94-07/08/94	1	179.	179.	179.	179.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		07/08/94-07/08/94	1	370.	370.	370.	370.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	07/08/94-07/08/94	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)		07/08/94-07/08/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		07/08/94-07/08/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/08/94-07/08/94	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		07/08/94-07/08/94	1##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		07/08/94-07/08/94	1	1.25	1.25	1.25	1.25	0.	0.	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		07/08/94-07/08/94	1	2.81	2.81	2.81	2.81	0.	0.	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/08/94-07/08/94	1	0.702	0.702	0.702	0.702	0.	0.	**	**	**	**
00916 CALCIUM, TOTAL (MG/L AS CA)		07/08/94-07/08/94	1	149.	149.	149.	149.	0.	0.	**	**	**	**
00927 MAGNESIUM, TOTAL (MG/L AS MG)		07/08/94-07/08/94	1	37.3	37.3	37.3	37.3	0.	0.	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)		07/08/94-07/08/94	1##	9.5	9.5	9.5	9.5	0.	0.	**	**	**	**
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)		07/08/94-07/08/94	1	3.93	3.93	3.93	3.93	0.	0.	**	**	**	**
01004 ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG		07/08/94-07/08/94	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
01007 BARIUM, TOTAL (UG/L AS BA)		07/08/94-07/08/94	1	280.	280.	280.	280.	0.	0.	**	**	**	**
01008 BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)		07/08/94-07/08/94	1	95.9	95.9	95.9	95.9	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)		07/08/94-07/08/94	1##	0.45	0.45	0.45	0.45	0.	0.	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)		07/08/94-07/08/94	1	3.78	3.78	3.78	3.78	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)		07/08/94-07/08/94	1##	7.	7.	7.	7.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)		07/08/94-07/08/94	1##	4.	4.	4.	4.	0.	0.	**	**	**	**
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)		07/08/94-07/08/94	1	5.54	5.54	5.54	5.54	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)		07/08/94-07/08/94	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)		07/08/94-07/08/94	1##	6.	6.	6.	6.	0.	0.	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)		07/08/94-07/08/94	1	5.94	5.94	5.94	5.94	0.	0.	**	**	**	**
01077 SILVER, TOTAL (UG/L AS AG)		07/08/94-07/08/94	1##	3.95	3.95	3.95	3.95	0.	0.	**	**	**	**
01078 SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)		07/08/94-07/08/94	1##	0.31	0.31	0.31	0.31	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)		07/08/94-07/08/94	1##	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)		07/08/94-07/08/94	1	18.1	18.1	18.1	18.1	0.	0.	**	**	**	**
01113 CADMIUM,TOTAL RECOVERABLE IN WATER AS CD	UG/L	07/08/94-07/08/94	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)		07/08/94-07/08/94	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01149 SELENIUM, TOTAL IN FISH OR ANIMALS WET WGT MG/KG		07/08/94-07/08/94	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
01229 SELENIUM,TOTAL IN DRY DEPOSITION UG/KG		07/08/94-07/08/94	1	0.84	0.84	0.84	0.84	0.	0.	**	**	**	**
03875 CHROMIUM,TOTAL IN FISH,WET WEIGHT	MG/KG	07/08/94-07/08/94	1	0.221	0.221	0.221	0.221	0.	0.	**	**	**	**
04005 METOLACHLOR,BOTTOM MATERIAL,SEDIMENT,TOT REC	UG/KG	07/08/94-07/08/94	1##	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
04006 ALACHLOR,BOTTOM MATERIAL,SEDIMENT,TOT RECOV	UG/KG	07/08/94-07/08/94	1##	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
30295 PROPACHLOR, WATER, WHOLE, RECOVERABLE,	UG/L	07/08/94-07/08/94	1##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: MNRR0073

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34257 B-BHC-BETA DRY WGTBOTUG/KG	07/08/94-07/08/94	1##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
34258 B-BHC-BETA WET WGTTISMG/KG	07/08/94-07/08/94	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34664 PCB - 1221 WET WGTTISMG/KG	07/08/94-07/08/94	1##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
34667 PCB - 1232 WET WGTTISMG/KG	07/08/94-07/08/94	1##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
34669 PCB - 1248 WET WGTTISMG/KG	07/08/94-07/08/94	1##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
34670 PCB - 1260 WET WGTTISMG/KG	07/08/94-07/08/94	1##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
34674 PCB - 1016 WET WGTTISMG/KG	07/08/94-07/08/94	1##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
34680 ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	07/08/94-07/08/94	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34682 CHLORDANE(TECH MIX & METABS).TISSUEWET WGTT.MG/KG	07/08/94-07/08/94	1##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
34685 ENDRIN WET WGTTISMG/KG	07/08/94-07/08/94	1##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
34686 HEPTACHLOR EPOXIDE WET WGTTISMG/KG	07/08/94-07/08/94	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34687 HEPTACHLOR WET WGTTISMG/KG	07/08/94-07/08/94	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34688 HEXACHLOROBENZENE WET WGTTISMG/KG	07/08/94-07/08/94	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34689 PCB - 1242 WET WGTTISMG/KG	07/08/94-07/08/94	1##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
34690 PCB - 1254 WET WGTTISMG/KG	07/08/94-07/08/94	1##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
38932 CHLORPYRIFOS, TOTAL RECOVERABLE UG/L	07/08/94-07/08/94	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39033 ATRAZINE IN WHOLE WATER SAMPLE UG/L	07/08/94-07/08/94	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39063 CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	07/08/94-07/08/94	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39064 CHLORDANE-CIS ISOMER BOTTOM DEPOS (UG/KG DRY SOL	07/08/94-07/08/94	1##	0.65	0.65	0.65	0.65	0.	0.	**	**	**	**
39066 CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	07/08/94-07/08/94	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39067 CHLORDANE-TRANS ISOMER,BOTTOM DEPOS(UG/KG DRY SL	07/08/94-07/08/94	1##	0.65	0.65	0.65	0.65	0.	0.	**	**	**	**
39069 CHLORDANE-NONACHLOR,CIS ISO.TISSUE WET WGT(UG/G)	07/08/94-07/08/94	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39070 CHLORDANE-NONACHLOR,CIS ISO BOTTOM DEPOS UG/KG	07/08/94-07/08/94	1##	0.65	0.65	0.65	0.65	0.	0.	**	**	**	**
39072 CHLORDANE-NONACHLOR,TRANS ISO.TISSUE,WET WT.UG/G	07/08/94-07/08/94	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39073 CHLORDANE-NONACHLOR,TRANS ISO.BOTTOM DEP UG/KG	07/08/94-07/08/94	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39074 BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	07/08/94-07/08/94	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39076 BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	07/08/94-07/08/94	1##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
39105 PERCENT FAT HEXANE EXTRACTION	07/08/94-07/08/94	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
39301 P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/08/94-07/08/94	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39302 P P DDT IN TISSUE WET WGT (UG/G)	07/08/94-07/08/94	1##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39311 P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/08/94-07/08/94	1##	1.25	1.25	1.25	1.25	0.	0.	**	**	**	**
39312 P P DDD IN TISSUE WET WGT (UG/G)	07/08/94-07/08/94	1##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39321 P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/08/94-07/08/94	1##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
39322 P,P'-DDE IN TISSUE WET WGT MG/KG	07/08/94-07/08/94	1##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39326 PROPACHLOR(RAMROD) IN SEDIMENT DRY WEIGHT UG/KG	07/08/94-07/08/94	1##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39333 ALDRIN IN BOTTOM.DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/08/94-07/08/94	1##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
39343 GAMMA-BHC(LINDANE).SEDIMENTS.DRY WGT.UG/KG	07/08/94-07/08/94	1##	0.19	0.19	0.19	0.19	0.	0.	**	**	**	**
39350 CHLORDANE(TECH MIX & METABS).WHOLE WATER.UG/L	07/08/94-07/08/94	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39351 CHLORDANE(TECH MIX&METABS).SEDIMENTS.DRY WGT.UG/KG	07/08/94-07/08/94	1##	0.38	0.38	0.38	0.38	0.	0.	**	**	**	**
39356 METOLACHLOR(DUAL) IN WHOLE WATER UG/L	07/08/94-07/08/94	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
39383 DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/08/94-07/08/94	1##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
39393 ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/08/94-07/08/94	1##	0.38	0.38	0.38	0.38	0.	0.	**	**	**	**
39404 DIELDRIN IN TISSUE WET WGT (UG/G)	07/08/94-07/08/94	1##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39413 HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	07/08/94-07/08/94	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39423 HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	07/08/94-07/08/94	1##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
39491 PCB - 1221 BOT. DEP.,PCB SERIES DRY SOL UG/KG	07/08/94-07/08/94	1##	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
39495 PCB - 1232 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	07/08/94-07/08/94	1##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39499 PCB - 1242 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	07/08/94-07/08/94	1##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39503 PCB - 1248 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	07/08/94-07/08/94	1##	3.8	3.8	3.8	3.8	0.	0.	**	**	**	**
39507 PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	07/08/94-07/08/94	1##	1.25	1.25	1.25	1.25	0.	0.	**	**	**	**
39511 PCB - 1260 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	07/08/94-07/08/94	1##	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
39514 PCB - 1016 IN BOTTOM SEDIMENTS DRY WT UG/KG	07/08/94-07/08/94	1##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
39570 DIAZINON IN WHOLE WATER SAMPLE (UG/L)	07/08/94-07/08/94	1##	0.035	0.035	0.035	0.035	0.	0.	**	**	**	**
39631 ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	07/08/94-07/08/94	1##	38.	38.	38.	38.	0.	0.	**	**	**	**
39785 GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT.MG/KG	07/08/94-07/08/94	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
70318 SOLIDS, TOTAL, PERCENT OF WET SAMPLE	07/08/94-07/08/94	1	79.4	79.4	79.4	79.4	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	07/08/94-07/08/94	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	07/08/94-07/08/94	1	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
71930 MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/08/94-07/08/94	1	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
71936 LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	07/08/94-07/08/94	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
71938 ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	07/08/94-07/08/94	1	15.6	15.6	15.6	15.6	0.	0.	**	**	**	**
71940 CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/08/94-07/08/94	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
73151 DIAZINON, DRY WEIGHT, SEDIMENT UG/KG	07/08/94-07/08/94	1##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: MNRR0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
77825	ALACHLOR WHOLE WATER,UG/L	07/08/94-07/08/94	1##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
78450	DISULFOTON SEDWETWTMG/KG	07/08/94-07/08/94	1##	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
78871	OXYCHLORDANE IN SEDIMENT DRY WEIGHT UG/KG	07/08/94-07/08/94	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
79792	CHLORPYRIFOS SEDIMENT,DRY,WT,UG/KG	07/08/94-07/08/94	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
81284	TRIFLURALIN(C13H16F3N3O4) WHOLE WATER SAMPLE UG/L	07/08/94-07/08/94	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	07/08/94-07/08/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	07/08/94-07/08/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
81658	BARIUM IN FISH TISSUE WET WEIGHT MG/KG	07/08/94-07/08/94	1	1.91	1.91	1.91	1.91	0.	0.	**	**	**	**
81806	DIAZINON IN FISH TISSUE WET WEIGHT, MG/KG	07/08/94-07/08/94	1##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
81807	DURSBAN IN FISH TISSUE WET WEIGHT MG/KG	07/08/94-07/08/94	1##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	07/08/94-07/08/94	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	07/08/94-07/08/94	1	120.	120.	120.	120.	0.	0.	**	**	**	**
82488	LEAD,TOTAL RECOVERABLE FROM DRY DEPOSITION (UG/KG)	07/08/94-07/08/94	1	4.	4.	4.	4.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: MNRR0073

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400 PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
	Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00							1	0	0.00			
	Drinking Water	50.	1	0	0.00							1	0	0.00			
01007 BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00							1	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
	Drinking Water	5.	1	0	0.00							1	0	0.00			
01034 CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
	Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
	Drinking Water	15.	1	0	0.00							1	0	0.00			
01067 NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
	Drinking Water	100.	1	0	0.00							1	0	0.00			
01077 SILVER, TOTAL	Fresh Acute	4.1	1	0	0.00							1	0	0.00			
	Drinking Water	100.	1	0	0.00							1	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
	Drinking Water	5000.	1	0	0.00							1	0	0.00			
01113 CADMIUM,TOTAL RECOVERABLE IN WATER AS CD	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
	Drinking Water	5.	1	0	0.00							1	0	0.00			
01147 SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00							1	0	0.00			
	Drinking Water	50.	1	0	0.00							1	0	0.00			
38932 CHLORPYRIFOS, TOTAL RECOVERABLE	Fresh Acute	0.083	1	0	0.00							1	0	0.00			
39033 ATRAZINE IN WHOLE WATER SAMPLE	Drinking Water	3.	1	0	0.00							1	0	0.00			
39350 CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
	Drinking Water	2.	1	0	0.00							1	0	0.00			
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
	Drinking Water	2.	1	0	0.00							1	0	0.00			
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: MNRR0074

NPS Station ID: MNRR0074
LAT/LON: 42.654727/ -98.043060
Agency: 112WRD
Date Created: 11/07/81
Location: VERDIGRE C NR VERDIGRE, NE
FIPS State/County: 31107 NEBRASKA/KNOX
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 06465700
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 10150007
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 10150007
RF1 Mile Point: 0.000
Distance from RF1: 21.00
On/Off RF1:
RF3 Index: 10170101100600.00
RF3 Mile Point: 3.69
Distance from RF3: 0.06
On/Off RF3:
Description:

Parameter Inventory for Station: MNRR0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061 FLOW, STREAM, INSTANTANEOUS	CFS	12/07/48-11/08/49	15	114.	182.133	486.	66.	20939.552	144.705	73.2	88.	306.	486.
70337 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM		03/22/49-10/25/49	5	11.	12.6	23.	5.	42.8	6.542	**	**	**	**
70338 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM		03/22/49-10/25/49	12	11.5	12.833	29.	5.	39.788	6.308	5.6	9.	15.5	25.7
70339 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM		03/22/49-10/25/49	12	14.	16.083	34.	7.	57.174	7.561	7.6	11.	18.75	31.6
70340 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM		12/07/48-10/25/49	13	18.	18.769	39.	4.	91.526	9.567	6.4	11.	22.5	37.
70341 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM		12/07/48-10/25/49	14	23.	23.429	48.	6.	171.187	13.084	6.	13.5	31.5	47.5
70342 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM		12/07/48-11/08/49	15	36.	34.733	66.	10.	278.21	16.68	10.	24.	46.	64.8
70343 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM		12/07/48-11/08/49	15	55.	55.267	88.	14.	479.638	21.901	19.4	41.	78.	83.8
70344 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM		12/07/48-11/08/49	15	85.	81.133	97.	31.	299.552	17.308	47.8	75.	92.	97.
70345 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM		12/20/48-11/08/49	9	98.	91.889	100.	66.	138.111	11.752	66.	85.	100.	100.
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)		12/07/48-11/08/49	15	1520.	2771.867	6600.	706.	5927249.267	2434.594	761.8	847.	6520.	6600.
80155 SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)		12/07/48-11/08/49	15	2120.	2361.8	4760.	402.	1917395.743	1384.701	571.8	1370.	3160.	4718.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: MNRR0075

NPS Station ID: MNRR0075 LAT/LON: 42.747781/ -98.044726 Agency: 1117MBR Date Created: 11/29/78
Location: NIOBRARA RIVER AT NIOBRARA FIPS State/County: 31107 NEBRASKA/KNOX
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 005213
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 10170101 Depth of Water: 0 Aquifer:
Major Basin: MISSOURI Elevation: 0 Water Body Id:
Minor Basin: MISSOURI ECO Region:
RF1 Index: 10170101 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 10170101028500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.29 On/Off RF3:
Description:
COUNTY: KNOX, CITY: NIOBRARA, LAMS STATION CODE: 62000000 .8 MI SOUTHWEST .5 MI WEST OF SOUTHWEST EDGE OF NIOBRARA ON ON
HWY 12 BRIDGE 20 YDS BELOW BRIDGE

Parameter Inventory for Station: MNRR0075

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: MNRR0076

NPS Station ID: MNRR0076
Location: SCHINDLER CREEK
Station Type: /TYPA/AMBNT/STREAM/BIO
RMI-Indexes:
RMI-Miles:
HUC: 10150007
Major Basin:
Minor Basin:
RF1 Index: 10150007
RF3 Index: 10150007004001.07
Description:

LAT/LON: 42.678615/ -98.104727
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 1.75

Agency: 21NEB001
FIPS State/County: 31107 NEBRASKA/KNOX
STORET Station ID(s): NI2043
Within Park Boundary: No
Aquifer:
Water Body Id: NENI2-10400
ECO Region: 46G
Distance from RF1: 15.00
Distance from RF3: 0.01

Date Created: 05/07/88
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: MNRR0076

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: MNRR0077

NPS Station ID: MNRR0077 LAT/LON: 42.923338/ -98.105837 Agency: 112WRD Date Created: 05/19/84
Location: CHOTEAU CR NR AVON SD FIPS State/County: 46009 SOUTH DAKOTA/BON HOMME
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 06453255
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 10170101 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 10170101 RF1 Mile Point: 0.000 Distance from RF1: 7.80 On/Off RF1:
RF3 Index: 10170101059700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.40 On/Off RF3:
Description:

Parameter Inventory for Station: MNRR0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/20/82-09/12/96	163	11.	12.328	30.5	0.	87.159	9.336	1.	3.	20.	25.3
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		10/20/82-09/12/96	163	14.5	13.656	34.5	-20.	129.505	11.38	3.	8.	24.	29.
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/20/82-09/12/96	165	5.	162.127	5260.	0.01	295127.968	543.257	0.56	1.	56.	381.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/20/82-09/12/96	164	1520.	1513.104	2610.	270.	165457.554	406.765	945.	1325.	1725.	2030.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Annual Analysis for 1982 - Station MNRR0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/20/82-09/12/96	2	4.75	4.75	7.	2.5	10.125	3.182	**	**	**	**
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		10/20/82-09/12/96	2	9.	9.	10.5	7.5	4.5	2.121	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/20/82-09/12/96	2	3.	3.	5.	1.	8.	2.828	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/20/82-09/12/96	2	1250.	1250.	1340.	1160.	16200.	127.279	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station MNRR0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/20/82-09/12/96	15	5.	10.4	30.	0.	121.4	11.018	0.	1.	19.	28.8
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		10/20/82-09/12/96	15	12.5	13.767	34.5	-8.	169.96	13.037	0.6	5.5	26.	32.7
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/20/82-09/12/96	15	61.	102.933	351.	3.	14442.21	120.176	3.	3.	213.	327.6
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/20/82-09/12/96	15	1380.	1284.667	2040.	700.	150040.952	387.351	784.	930.	1560.	1872.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1984 - Station MNRR0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/20/82-09/12/96	18	7.75	10.083	25.	0.	74.037	8.604	0.9	2.5	18.75	23.2
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		10/20/82-09/12/96	18	9.75	10.639	30.	-15.	130.641	11.43	0.9	4.875	23.	25.5
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/20/82-09/12/96	18	61.	514.	2840.	3.	696217.059	834.396	4.8	8.5	688.	2372.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/20/82-09/12/96	18	1545.	1482.778	2150.	560.	193880.065	440.318	902.	1140.	1747.5	2150.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1985 - Station MNRR0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/20/82-09/12/96	13	12.	10.808	25.	0.5	84.106	9.171	0.5	1.	20.	24.2
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		10/20/82-09/12/96	13	16.	10.538	34.	-20.	254.978	15.968	2.2	1.5	27.5	1.6
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/20/82-09/12/96	13	4.	35.154	271.	2.	5678.308	75.355	2.	2.	28.5	199.8
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/20/82-09/12/96	13	1530.	1451.538	1900.	900.	90630.769	301.049	900.	1295.	1625.	1820.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1986 - Station MNRR0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/20/82-09/12/96	12	14.5	12.167	23.5	0.	80.697	8.983	0.15	3.	19.25	23.5
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		10/20/82-09/12/96	12	18.75	12.417	24.5	-11.	129.811	11.393	4.8	6.375	23.125	-0.35
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/20/82-09/12/96	12	24.	183.083	1380.	2.	151226.811	388.879	2.6	4.5	169.75	1057.2
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/20/82-09/12/96	12	1630.	1529.167	2300.	650.	269626.515	519.256	719.	1150.	2025.	2255.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station MNRR0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/20/82-09/12/96	15	9.	11.6	26.	2.	67.007	8.186	2.	4.	19.	23.9
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		10/20/82-09/12/96	15	10.	13.3	29.	0.	103.707	10.184	0.6	4.	24.5	28.4
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/20/82-09/12/96	15	7.	436.333	5260.	4.	1833742.524	1354.157	4.	5.	19.	2624.8
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/20/82-09/12/96	15	1750.	1822.667	2450.	980.	124920.952	353.442	1316.	1660.	2000.	2420.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station MNRR0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/20/82-09/12/96	12	13.75	13.708	30.5	1.	99.339	9.967	1.	2.5	21.5	28.85
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		10/20/82-09/12/96	12	15.	15.083	31.	-4.	90.992	9.539	5.9	-0.25	22.	29.2
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/20/82-09/12/96	12	2.5	24.083	230.	2.	4231.538	65.05	2.	2.	11.25	166.4
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/20/82-09/12/96	12	1590.	1603.333	2400.	930.	170478.788	412.891	990.	1282.5	1890.	2310.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station MNRR0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/20/82-09/12/96	11	10.	12.136	28.	0.	101.105	10.055	0.2	2.	23.	27.4
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		10/20/82-09/12/96	11	17.	11.045	30.	-19.	238.323	15.438	4.6	7.	29.	-9.2
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/20/82-09/12/96	11	1.	2.373	15.	0.6	17.75	4.213	0.64	0.9	2.	12.4
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/20/82-09/12/96	11	1490.	1479.091	1830.	990.	48449.091	220.112	1052.	1400.	1530.	1816.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station MNRR0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/20/82-09/12/96	10	16.25	14.5	28.	0.5	85.444	9.244	0.75	6.75	21.25	27.55
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		10/20/82-09/12/96	10	17.5	15.8	28.	-3.	92.844	9.636	9.	0.	24.5	27.8
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/20/82-09/12/96	10	0.85	0.92	2.	0.5	0.171	0.413	0.51	0.675	1.	1.9
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/20/82-09/12/96	10	1460.	1455.	1600.	1310.	8383.333	91.561	1314.	1387.5	1520.	1595.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station MNRR0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/20/82-09/12/96	10	10.	12.65	28.	0.	110.058	10.491	0.1	1.75	24.125	27.65
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		10/20/82-09/12/96	10	11.	14.85	29.	2.	105.781	10.285	2.35	5.875	25.75	28.9
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/20/82-09/12/96	9	0.4	0.5	1.	0.2	0.058	0.24	0.2	0.35	0.65	1.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/20/82-09/12/96	10	1440.	1418.	1620.	1110.	19128.889	138.307	1134.	1357.5	1497.5	1613.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station MNRR0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/20/82-09/12/96	11	13.	13.227	29.	1.	81.418	9.023	1.4	4.5	19.5	28.2
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		10/20/82-09/12/96	10	15.75	15.3	27.	6.	56.289	7.503	6.	8.25	22.5	26.7
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/20/82-09/12/96	11	0.07	0.208	0.6	0.01	0.048	0.219	0.014	0.06	0.3	0.6
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/20/82-09/12/96	11	1430.	1403.636	1630.	1190.	19905.455	141.087	1196.	1260.	1510.	1614.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station MNRR0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/20/82-09/12/96	11	15.	14.591	27.	0.	99.841	9.992	0.2	5.	24.	26.8
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		10/20/82-09/12/96	12	20.75	16.	28.5	-5.	132.773	11.523	0.65	-0.875	24.875	28.5
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/20/82-09/12/96	12	27.5	172.317	854.	0.8	100076.476	316.349	2.36	9.25	142.75	847.1
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/20/82-09/12/96	11	1530.	1416.364	2540.	280.	410305.455	640.551	364.	850.	1780.	2434.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station MNRR0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/20/82-09/12/96	6	10.	13.25	28.5	0.	130.375	11.418	**	**	**	**
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		10/20/82-09/12/96	5	15.	15.9	32.	-3.	161.3	12.7	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/20/82-09/12/96	7	2.	125.429	760.	1.	79827.619	282.538	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/20/82-09/12/96	6	1610.	1438.333	1940.	270.	350576.667	592.095	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1995 - Station MNRR0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/20/82-09/12/96	10	12.5	14.3	28.5	0.	113.456	10.652	0.2	5.375	26.875	28.45
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		10/20/82-09/12/96	11	14.	15.364	32.	0.	144.255	12.011	0.6	4.5	30.5	31.9
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/20/82-09/12/96	11	8.	257.091	1490.	1.	209467.891	457.677	1.2	4.	447.	1311.4
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/20/82-09/12/96	11	1560.	1577.182	2530.	979.	154621.364	393.219	1043.2	1300.	1760.	2384.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1996 - Station MNRR0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/20/82-09/12/96	7	16.	14.857	26.	1.	73.726	8.586	**	**	**	**
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		10/20/82-09/12/96	7	16.	17.429	27.5	4.	74.202	8.614	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/20/82-09/12/96	7	11.	92.143	332.	2.	21058.143	145.114	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/20/82-09/12/96	7	1920.	1984.286	2610.	1320.	169361.905	411.536	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 11/20 to 1/14 - Station MNRR0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/20/82-09/12/96	18	1.	1.472	5.	0.	2.043	1.429	0.	0.5	2.25	4.1
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		10/20/82-09/12/96	18	-3.	-1.306	10.	-20.	75.975	8.716	0.45	3.5	-4.25	-19.1
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/20/82-09/12/96	18	3.5	3.694	10.	0.3	7.658	2.767	0.39	0.975	6.	7.3
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/20/82-09/12/96	18	1680.	1863.889	2540.	1110.	180931.046	425.36	1371.	1550.	2310.	2531.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 3/14 - Station MNRR0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/20/82-09/12/96	25	1.	1.56	6.	0.	2.882	1.698	0.	0.25	2.25	4.7
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		10/20/82-09/12/96	24	4.75	1.875	15.	-15.	46.158	6.794	1.	2.125	-4.5	2.
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/20/82-09/12/96	25	9.	137.028	854.	0.3	53125.261	230.489	0.72	2.5	230.	491.2
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/20/82-09/12/96	25	1260.	1321.6	2400.	270.	337964.	581.347	502.	905.	1705.	2116.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 7/14 - Station MNRR0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/20/82-09/12/96	60	17.25	16.392	30.5	2.5	57.408	7.577	7.05	9.625	23.	27.9
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		10/20/82-09/12/96	62	18.25	18.008	32.	2.	66.848	8.176	6.	10.75	24.625	28.85
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/20/82-09/12/96	63	20.	359.076	5260.	0.06	690684.792	831.074	0.64	2.	332.	1103.2
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/20/82-09/12/96	61	1430.	1450.967	2610.	560.	159828.066	399.785	930.	1270.	1620.	1966.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 7/15 to 11/19 - Station MNRR0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/20/82-09/12/96	60	17.5	16.008	30.	2.	64.496	8.031	5.05	8.25	23.	25.95
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		10/20/82-09/12/96	59	20.5	18.441	34.5	0.	80.406	8.967	6.	10.5	25.5	30.
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/20/82-09/12/96	59	2.	10.795	170.	0.01	706.289	26.576	0.2	0.9	6.	32.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/20/82-09/12/96	60	1525.	1550.833	2150.	1020.	46445.056	215.511	1211.	1450.	1707.5	1800.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: MNRR0078

NPS Station ID: MNRR0078 LAT/LON: 42.860282/ -98.139171 Agency: 112WRD Date Created: 02/15/78
Location: 93N62W23BDD CHOTEAU CREEK FIPS State/County: 46023 SOUTH DAKOTA/CHARLES MIX
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 425137098082101
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 10170101 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 10170101 RF1 Mile Point: 0.000 Distance from RF1: 1.50 On/Off RF1:
RF3 Index: 10140101000100.27 RF3 Mile Point: 0.26 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: MNRR0078

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/15/69-01/15/69	1	1810.	1810.	1810.	1810.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	01/15/69-01/15/69	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	01/15/69-01/15/69	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/15/69-01/15/69	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00405 CARBON DIOXIDE (MG/L AS CO2)	01/15/69-01/15/69	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	01/15/69-01/15/69	1	132.	132.	132.	132.	0.	0.	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)	01/15/69-01/15/69	1	161.	161.	161.	161.	0.	0.	**	**	**	**
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	01/15/69-01/15/69	1	0.56	0.56	0.56	0.56	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	01/15/69-01/15/69	1	620.	620.	620.	620.	0.	0.	**	**	**	**
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	01/15/69-01/15/69	1	490.	490.	490.	490.	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)	01/15/69-01/15/69	1	160.	160.	160.	160.	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	01/15/69-01/15/69	1	53.	53.	53.	53.	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)	01/15/69-01/15/69	1	160.	160.	160.	160.	0.	0.	**	**	**	**
00931 SODIUM ADSORPTION RATIO	01/15/69-01/15/69	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
00932 SODIUM, PERCENT	01/15/69-01/15/69	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)	01/15/69-01/15/69	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	01/15/69-01/15/69	1	37.	37.	37.	37.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	01/15/69-01/15/69	1	680.	680.	680.	680.	0.	0.	**	**	**	**
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	01/15/69-01/15/69	1	1260.	1260.	1260.	1260.	0.	0.	**	**	**	**
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	01/15/69-01/15/69	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
71885 IRON (UG/L AS FE)	01/15/69-01/15/69	1	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: MNRR0078

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
00400 PH	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
	Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00618 NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
	Drinking Water	250.	1	0	0.00				1	0	0.00						
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	1	1.00				1	1	1.00						
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: MNRR0079

NPS Station ID: MNRR0079 LAT/LON: 42.801087/ -98.167587 Agency: 21NEB001 Date Created: / /
Location: PONCA CREEK AT VERDEL FIPS State/County: 31107 NEBRASKA/KNOX
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 300917
RMI-Indexes: 1021500 Within Park Boundary: No
RMI-Miles: 1149.40
HUC: 10150001 Depth of Water: 0 Aquifer:
Major Basin: MISSOURI Elevation: 0 Water Body Id:
Minor Basin: S CENTRAL MISSOURI ECO Region:
RF1 Index: 10150001001 RF1 Mile Point: 2.180 Distance from RF1: 7.80 On/Off RF1: ON
RF3 Index: 10150007004700.90 RF3 Mile Point: 1.06 Distance from RF3: 0.47 On/Off RF3:
Description:

T33N R07W SEC 30 AA KNOX COUNTY 0.8 MILES E OF VERDEL ON HWY 12 BR 11-17-78
SAMPLED BY NEBRASKA STATE DEPARTMENT OF HEALTH LAT 4248300 09810240 LONG 07W SEC30AA KNOX COUNTY 0.8 MILES E OF VERDEL ON HWY 12 BR 1-15-77

Parameter Inventory for Station: MNRR0079

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		05/16/68-11/15/77	95	14.	12.639	33.	0.	116.578	10.797	0.	0.	22.	28.
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		07/22/68-11/15/77	101	19.	16.403	38.	-12.2	129.654	11.387	0.	6.	25.5	32.
00032 CLOUD COVER (PERCENT)		10/14/69-12/07/76	68	50.	52.941	100.	0.	1591.22	39.89	0.	20.	100.	100.
00035 WIND VELOCITY (MILES PER HOUR)		06/09/75-07/09/75	2	15.	15.	18.	12.	18.	4.243	**	**	**	**
00060 FLOW, STREAM, MEAN DAILY	CFS	05/16/68-11/15/77	118	14.	46.326	883.	0.	11545.45	107.45	0.	0.085	50.25	100.1
00070 TURBIDITY, (JACKSON CANDLE UNITS)		05/16/68-11/15/77	93	42.	299.201	9020.	3.	1241208.754	1114.095	6.	11.5	162.5	336.8
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/16/68-11/15/77	95	1210.	1221.621	3250.	50.	305490.131	552.712	622.	880.	1450.	1800.
00100 TIME OF TRAVEL (HOURS)		06/09/75-07/09/75	2	21.5	21.5	28.	15.	84.5	9.192	**	**	**	**
00200 LIGHT,INCIDENT,400-700NM,INTENSITY,UEINSTEINS/M2/S		06/09/75-06/09/75	1	200.	200.	200.	200.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	05/16/68-11/15/77	95	9.	9.241	13.3	2.8	3.672	1.916	7.1	7.8	10.8	11.94
00310 BOD, 5 DAY, 20 DEG C	MG/L	11/05/68-11/15/77	83	2.8	5.067	49.2	0.3	52.734	7.262	1.24	1.8	4.8	9.92
00320 BOD, ULTIMATE 1ST STAGE, 20 DEG C	MG/L	06/09/75-06/09/75	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00335 COD, .025N K2CR2O7	MG/L	11/05/68-04/07/69	5	27.	81.6	220.	12.	8310.3	91.161	**	**	**	**
00340 COD, .25N K2CR2O7	MG/L	05/12/69-11/15/77	76	19.	29.776	269.	0.	1626.363	40.328	2.8	10.	30.75	64.3
00400 PH (STANDARD UNITS)		11/05/68-11/15/77	93	8.	7.926	8.5	7.	0.084	0.29	7.5	7.8	8.1	8.2
00400 CONVERTED PH (STANDARD UNITS)		11/05/68-11/15/77	93	8.	7.814	8.5	7.	0.097	0.311	7.5	7.8	8.1	8.2
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		11/05/68-11/15/77	93	0.01	0.015	0.1	0.003	0.	0.014	0.006	0.008	0.016	0.032
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/16/68-07/09/75	85	204.	207.506	520.	116.	3828.634	61.876	133.2	159.	248.	277.6
00500 RESIDUE, TOTAL (MG/L)		05/16/68-05/16/68	1	808.	808.	808.	808.	0.	0.	**	**	**	**
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		11/05/68-11/15/77	78	989.	995.859	2220.	360.	132582.512	364.119	597.6	746.75	1127.25	1353.
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		03/23/76-11/15/77	9	78.	75.556	126.	24.	1261.028	35.511	24.	43.5	107.	126.
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		10/03/73-11/15/77	12	0.06	0.625	3.5	0.	1.805	1.343	0.	0.015	0.1	3.5
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/16/68-11/15/77	89	0.3	0.531	7.3	0.	0.792	0.89	0.05	0.05	0.75	1.
00650 PHOSPHATE, TOTAL (MG/L AS PO4)		05/16/68-05/07/73	52	0.2	0.245	1.8	0.05	0.075	0.274	0.1	0.1	0.3	0.5
00660 PHOSPHATE, ORTHO (MG/L AS PO4)		03/23/76-11/15/77	9	0.1	0.099	0.2	0.	0.005	0.067	0.	0.045	0.15	0.2
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/16/68-07/09/75	85	573.	607.212	2680.	202.	89226.407	298.708	313.2	490.	685.	860.4
00915 CALCIUM, DISSOLVED (MG/L AS CA)		11/05/68-07/09/75	82	164.	165.146	376.	27.	4224.472	64.996	78.6	127.75	190.75	261.3
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		11/05/68-07/09/75	82	41.5	45.268	145.	7.	505.088	22.474	18.3	33.75	53.	76.2
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-11/15/77	92	45.5	51.891	210.	15.	683.878	26.151	32.	37.	60.	81.4
00931 SODIUM ADSORPTION RATIO		05/16/68-07/09/75	82	0.8	0.963	2.4	0.4	0.16	0.4	0.63	0.7	1.1	1.57
00935 POTASSIUM, DISSOLVED (MG/L AS K)		05/16/68-07/09/75	83	16.	15.976	41.	9.	19.634	4.431	11.	13.	18.	20.6
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-11/15/77	95	14.	16.279	142.	0.5	218.392	14.778	8.	12.	18.	22.
00945 SULFATE, TOTAL (MG/L AS SO4)		05/16/68-07/09/75	80	212.	351.7	985.	22.	52528.365	229.191	140.2	203.	542.5	707.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: MNRR0079

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950 FLUORIDE, DISSOLVED (MG/L AS F)	05/16/68-05/16/68	1	0.34	0.34	0.34	0.34	0.	0.	**	**	**	**
01020 BORON, DISSOLVED (UG/L AS B)	11/05/68-04/07/69	4	160.	185.	340.	80.	16366.667	127.932	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	05/16/68-05/16/68	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	05/16/68-05/16/68	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	05/16/68-05/16/68	1	100.	100.	100.	100.	0.	0.	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/05/68-11/15/77	82	200.	2196.744	103000.	0.	130954675.304	11443.543	5.	47.5	632.75	4000.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/05/68-11/15/77	82	2.301	2.187	5.013	0.	1.114	1.055	0.699	1.675	2.801	3.602
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	153.828								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: MNRR0079

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	93	44	0.47	7	0	0.00	18	8	0.44	36	26	0.72	32	10	0.31
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	95	1	0.01	7	0	0.00	19	1	0.05	37	0	0.00	32	0	0.00
00400 PH	Fresh Chronic	9.	93	0	0.00	6	0	0.00	19	0	0.00	36	0	0.00	32	0	0.00
	Other-Lo Lim.	6.5	93	0	0.00	6	0	0.00	19	0	0.00	36	0	0.00	32	0	0.00
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	89	0	0.00	7	0	0.00	17	0	0.00	34	0	0.00	31	0	0.00
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	95	0	0.00	7	0	0.00	19	0	0.00	37	0	0.00	32	0	0.00
	Drinking Water	250.	95	0	0.00	7	0	0.00	19	0	0.00	37	0	0.00	32	0	0.00
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	80	35	0.44	6	3	0.50	17	7	0.41	31	13	0.42	26	12	0.46
00950 FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
	Drinking Water	5000.	1	0	0.00							1	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	82	43	0.52	6	1	0.17	19	1	0.05	31	21	0.68	26	20	0.77

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1968 - Station MNRR0079

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		05/16/68-11/15/77	3	8.	7.667	15.	0.	56.333	7.506	**	**	**	**
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		07/22/68-11/15/77	3	9.	12.667	21.	8.	52.333	7.234	**	**	**	**
00060 FLOW, STREAM, MEAN DAILY	CFS	05/16/68-11/15/77	8	0.	1.903	15.	0.	28.012	5.293	**	**	**	**
00070 TURBIDITY, (JACKSON CANDLE UNITS)		05/16/68-11/15/77	3	16.	21.	37.	10.	201.	14.177	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/16/68-11/15/77	3	780.	1023.333	1600.	690.	251433.333	501.431	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	05/16/68-11/15/77	3	9.6	9.2	10.2	7.8	1.56	1.249	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	11/05/68-11/15/77	2	3.45	3.45	4.8	2.1	3.645	1.909	**	**	**	**
00400 PH (STANDARD UNITS)		11/05/68-11/15/77	2	7.75	7.75	8.1	7.4	0.245	0.495	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		11/05/68-11/15/77	2	7.622	7.622	8.1	7.4	0.278	0.527	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		11/05/68-11/15/77	2	0.024	0.024	0.04	0.008	0.001	0.023	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/16/68-07/09/75	3	168.	277.333	520.	144.	44309.333	210.498	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/16/68-11/15/77	3	0.	0.067	0.2	0.	0.013	0.115	**	**	**	**
00650 PHOSPHATE, TOTAL (MG/L AS PO4)		05/16/68-05/07/73	2	0.45	0.45	0.7	0.2	0.125	0.354	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/16/68-07/09/75	3	356.	470.667	852.	204.	114837.333	338.877	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		11/05/68-07/09/75	2	124.5	124.5	196.	53.	10224.5	101.116	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		11/05/68-07/09/75	2	52.	52.	87.	17.	2450.	49.497	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-11/15/77	3	71.	67.333	80.	51.	220.333	14.844	**	**	**	**
00931 SODIUM ADSORPTION RATIO		05/16/68-07/09/75	3	1.6	1.533	2.	1.	0.253	0.503	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)		05/16/68-07/09/75	3	13.	12.667	15.	10.	6.333	2.517	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-11/15/77	3	22.	24.	34.	16.	84.	9.165	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/16/68-07/09/75	1	186.	186.	186.	186.	0.	0.	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/05/68-11/15/77	2	5500.	5500.	10900.	100.	58320000.	7636.753	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/05/68-11/15/77	2	3.019	3.019	4.037	2.	2.076	1.441	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		1044.031									

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1969 - Station MNRR0079

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		05/16/68-11/15/77	11	11.	13.773	31.	0.	168.068	12.964	0.	0.	28.	30.8
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		07/22/68-11/15/77	11	25.	17.636	36.	0.	213.455	14.61	0.	3.	32.	35.2
00060 FLOW, STREAM, MEAN DAILY	CFS	05/16/68-11/15/77	13	5.	79.515	883.	0.	58761.52	242.408	0.	0.1	25.5	560.2
00070 TURBIDITY, (JACKSON CANDLE UNITS)		05/16/68-11/15/77	10	41.5	892.	4250.	8.	3072016.444	1752.717	8.1	12.75	1197.25	4243.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/16/68-11/15/77	11	1200.	1111.909	1400.	650.	49239.091	221.899	706.	940.	1300.	1380.
00300 OXYGEN, DISSOLVED	MG/L	05/16/68-11/15/77	11	9.3	9.1	12.4	6.	4.638	2.154	6.22	7.1	11.	12.16
00310 BOD, 5 DAY, 20 DEG C	MG/L	11/05/68-11/15/77	10	2.4	4.7	24.	0.9	47.873	6.919	0.93	1.35	4.425	22.11
00340 COD, .25N K2CR2O7	MG/L	05/12/69-11/15/77	7	19.	20.714	39.	4.	161.238	12.698	**	**	**	**
00400 PH (STANDARD UNITS)		11/05/68-11/15/77	11	8.	7.909	8.3	7.3	0.125	0.353	7.32	7.6	8.2	8.3
00400 CONVERTED PH (STANDARD UNITS)		11/05/68-11/15/77	11	8.	7.769	8.3	7.3	0.146	0.383	7.32	7.6	8.2	8.3
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		11/05/68-11/15/77	11	0.01	0.017	0.05	0.005	0.	0.015	0.005	0.006	0.025	0.048
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/16/68-07/09/75	11	152.	161.818	240.	116.	1729.164	41.583	116.8	120.	200.	233.6
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		11/05/68-11/15/77	1	880.	880.	880.	880.	0.	0.	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/16/68-11/15/77	9##	0.05	0.372	2.	0.05	0.471	0.687	0.05	0.05	0.525	2.
00650 PHOSPHATE, TOTAL (MG/L AS PO4)		05/16/68-05/07/73	10	0.1	0.3	1.8	0.1	0.28	0.529	0.1	0.1	0.2	1.64
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/16/68-07/09/75	11	528.	522.909	692.	332.	12838.691	113.308	337.6	424.	580.	687.2
00915 CALCIUM, DISSOLVED (MG/L AS CA)		11/05/68-07/09/75	11	147.	140.909	224.	62.	2492.291	49.923	66.2	99.	178.	218.8
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		11/05/68-07/09/75	11	38.	40.909	78.	18.	251.491	15.858	19.4	33.	44.	73.8
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-11/15/77	11	75.	76.	120.	36.	459.8	21.443	40.8	63.	90.	114.6
00931 SODIUM ADSORPTION RATIO		05/16/68-07/09/75	11	1.4	1.482	2.	1.	0.148	0.384	1.02	1.2	2.	2.
00935 POTASSIUM, DISSOLVED (MG/L AS K)		05/16/68-07/09/75	11	17.	19.273	41.	11.	60.418	7.773	11.8	16.	21.	37.2
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-11/15/77	11	16.	15.818	24.	2.	47.564	6.897	2.8	14.	22.	24.
00945 SULFATE, TOTAL (MG/L AS SO4)		05/16/68-07/09/75	8	209.5	241.375	470.	201.	8549.125	92.461	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/05/68-11/15/77	9	90.	126.111	300.	5.	11998.611	109.538	5.	35.	240.	300.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/05/68-11/15/77	9	1.954	1.859	2.477	0.699	0.341	0.584	0.699	1.5	2.379	2.477
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		72.311									

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1970 - Station MNRR0079

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		05/16/68-11/15/77	11	6.	11.864	33.	0.	175.305	13.24	0.	0.	27.	32.2
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		07/22/68-11/15/77	12	11.	15.083	33.	0.	150.629	12.273	0.	4.5	28.5	32.4
00060 FLOW, STREAM, MEAN DAILY	CFS	05/16/68-11/15/77	13	20.	33.538	155.	0.	1979.769	44.495	0.	2.	57.5	123.8
00070 TURBIDITY, (JACKSON CANDLE UNITS)		05/16/68-11/15/77	11	38.	1080.182	9020.	4.	7228405.364	2688.569	4.8	8.	429.	7587.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/16/68-11/15/77	11	1240.	1299.636	2050.	657.	151943.855	389.8	719.6	1000.	1600.	1965.
00300 OXYGEN, DISSOLVED	MG/L	05/16/68-11/15/77	11	9.5	9.445	12.5	6.2	4.051	2.013	6.42	7.3	11.1	12.42
00310 BOD, 5 DAY, 20 DEG C	MG/L	11/05/68-11/15/77	10	4.2	5.75	16.9	0.9	22.216	4.713	1.05	2.625	8.025	16.14
00340 COD, .25N K2CR2O7	MG/L	05/12/69-11/15/77	10	29.5	44.2	151.	16.	2018.4	44.927	16.	18.25	48.25	145.9
00400 PH (STANDARD UNITS)		11/05/68-11/15/77	11	8.	7.909	8.2	7.3	0.085	0.291	7.36	7.6	8.1	8.2
00400 CONVERTED PH (STANDARD UNITS)		11/05/68-11/15/77	11	8.	7.806	8.2	7.3	0.097	0.311	7.36	7.6	8.1	8.2
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		11/05/68-11/15/77	11	0.01	0.016	0.05	0.006	0.	0.013	0.006	0.008	0.025	0.045
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/16/68-07/09/75	11	212.	205.091	256.	140.	1949.091	44.149	141.6	164.	248.	256.
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		11/05/68-11/15/77	11	870.	921.818	1720.	470.	106556.364	326.43	514.	700.	1050.	1596.
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/16/68-11/15/77	11##	0.05	0.609	2.6	0.05	0.841	0.917	0.05	0.05	0.6	2.52
00650 PHOSPHATE, TOTAL (MG/L AS PO4)		05/16/68-05/07/73	11	0.2	0.223	0.5	0.05	0.024	0.154	0.06	0.1	0.3	0.5
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/16/68-07/09/75	11	560.	580.364	828.	388.	13931.055	118.03	408.	492.	668.	798.4
00915 CALCIUM, DISSOLVED (MG/L AS CA)		11/05/68-07/09/75	11	162.	176.909	248.	118.	1793.491	42.35	122.8	147.	216.	245.8
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		11/05/68-07/09/75	11	36.	42.455	145.	7.	1264.273	35.557	10.	30.	42.	124.8
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-11/15/77	11	63.	65.091	120.	35.	542.891	23.3	37.4	49.	77.	112.6
00931 SODIUM ADSORPTION RATIO		05/16/68-07/09/75	11	1.2	1.164	1.8	0.8	0.103	0.32	0.8	0.8	1.3	1.74
00935 POTASSIUM, DISSOLVED (MG/L AS K)		05/16/68-07/09/75	11	16.	16.273	20.	13.	5.818	2.412	13.	15.	19.	19.8
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-11/15/77	11	14.	15.455	26.	8.	20.873	4.569	8.8	14.	16.	24.8
00945 SULFATE, TOTAL (MG/L AS SO4)		05/16/68-07/09/75	11	204.	175.182	215.	22.	3709.964	60.909	42.2	125.	209.	214.6
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/05/68-11/15/77	10	610.	1821.1	6000.	5.	5581836.544	2362.591	6.1	19.	4325.	5930.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/05/68-11/15/77	10	2.784	2.478	3.778	0.699	1.334	1.155	0.749	1.277	3.633	3.773
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		300.641									

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station MNRR0079

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		05/16/68-11/15/77	12	13.5	11.5	32.	0.	132.091	11.493	0.	0.	21.75	29.9
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		07/22/68-11/15/77	12	16.5	16.75	38.	2.	117.477	10.839	2.3	6.5	25.	34.7
00060 FLOW, STREAM, MEAN DAILY	CFS	05/16/68-11/15/77	12	23.	48.674	270.	0.	5974.174	77.293	0.006	0.033	68.25	219.3
00070 TURBIDITY, (JACKSON CANDLE UNITS)		05/16/68-11/15/77	12	98.	153.917	413.	4.	22818.629	151.058	4.9	12.5	306.5	386.6
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/16/68-11/15/77	12	1440.	1603.083	3250.	520.	705788.265	840.112	528.4	1039.75	2362.5	2995.
00300 OXYGEN, DISSOLVED	MG/L	05/16/68-11/15/77	12	8.9	8.917	11.9	2.8	6.954	2.637	4.	7.35	11.55	11.81
00310 BOD, 5 DAY, 20 DEG C	MG/L	11/05/68-11/15/77	12	3.9	10.575	49.2	2.4	208.737	14.448	2.58	3.075	11.4	43.44
00340 COD, .25N K2CR2O7	MG/L	05/12/69-11/15/77	12	27.	43.417	131.	7.	1821.356	42.677	8.2	11.25	72.	126.5
00400 PH (STANDARD UNITS)		11/05/68-11/15/77	12	7.8	7.692	8.2	7.	0.123	0.35	7.06	7.5	7.9	8.17
00400 CONVERTED PH (STANDARD UNITS)		11/05/68-11/15/77	12	7.8	7.55	8.2	7.	0.145	0.38	7.06	7.5	7.9	8.17
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		11/05/68-11/15/77	12	0.016	0.028	0.1	0.006	0.001	0.027	0.007	0.013	0.032	0.089
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/16/68-07/09/75	12	204.	204.333	292.	140.	1831.152	42.792	141.2	177.	227.	278.8
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		11/05/68-11/15/77	12	1020.	1120.833	2160.	380.	306590.152	553.706	395.	745.	1620.	2022.
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/16/68-11/15/77	12##	0.225	0.942	7.3	0.05	4.17	2.042	0.05	0.05	0.9	5.47
00650 PHOSPHATE, TOTAL (MG/L AS PO4)		05/16/68-05/07/73	12	0.1	0.217	0.5	0.1	0.025	0.159	0.1	0.1	0.3	0.5
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/16/68-07/09/75	12	568.	638.667	1040.	240.	87663.515	296.08	243.6	420.	975.	1040.
00915 CALCIUM, DISSOLVED (MG/L AS CA)		11/05/68-07/09/75	12	165.5	185.25	304.	72.	6913.477	83.147	74.4	122.25	280.	299.2
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		11/05/68-07/09/75	12	38.	42.917	83.	13.	476.811	21.836	13.6	27.5	63.	78.5
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-11/15/77	12	41.	54.	210.	15.	2671.455	51.686	15.	27.25	60.	165.6
00931 SODIUM ADSORPTION RATIO		05/16/68-07/09/75	12	0.8	0.833	2.4	0.4	0.272	0.521	0.4	0.55	0.8	1.95
00935 POTASSIUM, DISSOLVED (MG/L AS K)		05/16/68-07/09/75	12	16.	16.25	22.	13.	8.386	2.896	13.	14.	18.5	21.4
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-11/15/77	12	16.	24.333	142.	2.	1422.424	37.715	2.6	7.	21.5	106.
00945 SULFATE, TOTAL (MG/L AS SO4)		05/16/68-07/09/75	12	207.	347.5	865.	131.	81722.091	285.871	134.3	200.	630.25	851.5
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/05/68-11/15/77	12	95.	1087.5	5600.	0.	4495093.182	2120.163	6.	35.	700.	5600.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/05/68-11/15/77	12	1.946	2.136	3.748	0.	1.115	1.056	0.39	1.533	2.828	3.748

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station MNRR0079

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		136.616									

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station MNRR0079

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/16/68-11/15/77	12	17.	14.458	27.	0.	92.521	9.619	0.	3.	22.	25.8
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/22/68-11/15/77	12	20.55	20.008	32.	0.	114.019	10.678	0.	17.	28.75	32.
00060 FLOW, STREAM, MEAN DAILY CFS	05/16/68-11/15/77	12	26.5	51.867	159.	0.1	2428.935	49.284	0.16	16.75	88.25	139.5
00070 TURBIDITY, (JACKSON CANDLE UNITS)	05/16/68-11/15/77	12	53.5	117.917	365.	5.	15595.356	124.881	5.3	15.5	195.	348.5
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/16/68-11/15/77	12	1570.	1707.917	3200.	730.	435942.992	660.26	886.	1325.	1875.	3050.
00300 OXYGEN, DISSOLVED MG/L	05/16/68-11/15/77	12	8.6	8.375	9.8	6.9	0.704	0.839	7.02	7.8	8.975	9.59
00310 BOD, 5 DAY, 20 DEG C MG/L	11/05/68-11/15/77	10	3.3	4.41	10.2	1.5	10.261	3.203	1.53	1.8	7.275	10.11
00340 COD, .25N K2CR2O7 MG/L	05/12/69-11/15/77	10	21.	20.	34.	5.	93.778	9.684	5.5	11.5	28.5	33.6
00400 PH (STANDARD UNITS)	11/05/68-11/15/77	12	7.9	7.95	8.4	7.4	0.075	0.275	7.49	7.75	8.2	8.34
00400 CONVERTED PH (STANDARD UNITS)	11/05/68-11/15/77	12	7.9	7.867	8.4	7.4	0.083	0.288	7.49	7.75	8.2	8.34
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/05/68-11/15/77	12	0.013	0.014	0.04	0.004	0.	0.01	0.005	0.006	0.018	0.034
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	05/16/68-07/09/75	11	224.	234.182	340.	120.	4122.764	64.209	128.	200.	280.	330.4
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/05/68-11/15/77	12	1095.	1195.	2220.	520.	200572.727	447.853	631.	952.5	1310.	2109.
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/16/68-11/15/77	12##	0.225	0.433	2.	0.05	0.321	0.567	0.05	0.05	0.6	1.64
00650 PHOSPHATE, TOTAL (MG/L AS PO4)	05/16/68-05/07/73	12	0.15	0.175	0.5	0.05	0.016	0.127	0.05	0.1	0.2	0.44
00900 HARDNESS, TOTAL (MG/L AS CACO3)	05/16/68-07/09/75	12	574.	782.333	2680.	356.	398901.697	631.587	377.6	499.	741.	2224.
00915 CALCIUM, DISSOLVED (MG/L AS CA)	11/05/68-07/09/75	12	156.5	182.	376.	106.	6966.	83.463	110.8	130.	185.75	361.6
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	11/05/68-07/09/75	12	38.	49.833	105.	9.	1027.424	32.053	11.4	24.75	79.75	102.9
00930 SODIUM, DISSOLVED (MG/L AS NA)	05/16/68-11/15/77	12	39.5	47.	93.	21.	425.636	20.631	24.3	37.	51.75	89.7
00931 SODIUM ADSORPTION RATIO	05/16/68-07/09/75	11	0.8	0.764	1.1	0.5	0.021	0.143	0.54	0.7	0.8	1.04
00935 POTASSIUM, DISSOLVED (MG/L AS K)	05/16/68-07/09/75	12	16.	17.667	30.	14.	20.242	4.499	14.	15.	18.75	27.6
00940 CHLORIDE,TOTAL IN WATER MG/L	05/16/68-11/15/77	12	13.	16.	46.	6.	134.545	11.599	6.6	8.5	16.	41.8
00945 SULFATE, TOTAL (MG/L AS SO4)	05/16/68-07/09/75	12	206.	333.833	985.	195.	91826.333	303.029	195.9	201.5	211.	983.5
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/05/68-11/15/77	9	100.	401.667	2000.	5.	442781.25	665.418	5.	5.	600.	2000.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/05/68-11/15/77	9	2.	1.81	3.301	0.699	1.1	1.049	0.699	0.699	2.716	3.301
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		64.594									

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Annual Analysis for 1973 - Station MNRR0079

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/16/68-11/15/77	14	10.	11.607	29.	0.	121.391	11.018	0.	0.	21.75	29.
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/22/68-11/15/77	14	16.	14.643	35.	0.	166.093	12.888	0.	0.75	25.5	34.5
00060 FLOW, STREAM, MEAN DAILY CFS	05/16/68-11/15/77	14	50.	75.071	231.	13.	3906.071	62.499	15.	36.5	134.	186.5
00070 TURBIDITY, (JACKSON CANDLE UNITS)	05/16/68-11/15/77	14	68.5	102.5	335.	12.	9764.423	98.815	13.	18.25	181.25	275.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/16/68-11/15/77	14	1225.	1115.214	1800.	50.	223852.951	473.131	315.	797.5	1462.5	1700.
00300 OXYGEN, DISSOLVED MG/L	05/16/68-11/15/77	14	9.85	9.536	12.8	6.8	3.284	1.812	6.85	8.075	10.85	12.1
00310 BOD, 5 DAY, 20 DEG C MG/L	11/05/68-11/15/77	12	2.8	3.858	13.2	1.5	10.054	3.171	1.71	2.25	4.125	11.04
00340 COD, .25N K2CR2O7 MG/L	05/12/69-11/15/77	10	17.5	15.9	35.	0.	128.1	11.318	0.	7.5	21.75	34.5
00400 PH (STANDARD UNITS)	11/05/68-11/15/77	13	7.9	7.885	8.3	7.5	0.041	0.203	7.54	7.8	8.	8.22
00400 CONVERTED PH (STANDARD UNITS)	11/05/68-11/15/77	13	7.9	7.841	8.3	7.5	0.043	0.209	7.54	7.8	8.	8.22
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/05/68-11/15/77	13	0.013	0.014	0.032	0.005	0.	0.007	0.006	0.01	0.016	0.029
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	05/16/68-07/09/75	14	231.	221.857	284.	120.	2987.516	54.658	132.5	164.	269.5	283.5
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/05/68-11/15/77	12	1025.	953.917	1300.	420.	58011.356	240.855	487.2	811.5	1112.	1245.4
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/16/68-11/15/77	11	0.7	0.764	1.4	0.4	0.097	0.311	0.4	0.5	1.	1.32
00650 PHOSPHATE, TOTAL (MG/L AS PO4)	05/16/68-05/07/73	5	0.2	0.34	0.8	0.2	0.068	0.261	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	05/16/68-07/09/75	14	566.5	529.286	780.	207.	38550.527	196.343	239.5	282.25	718.75	766.

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Annual Analysis for 1973 - Station MNRR0079

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00915 CALCIUM, DISSOLVED (MG/L AS CA)		11/05/68-07/09/75	12	154.5	127.583	214.	27.	4044.447	63.596	29.1	59.25	173.75	205.3
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		11/05/68-07/09/75	12	47.5	51.25	82.	19.	331.114	18.197	23.5	37.75	66.5	79.
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-11/15/77	12	42.5	43.583	58.	18.	120.811	10.991	22.8	40.	51.75	58.
00931 SODIUM ADSORPTION RATIO		05/16/68-07/09/75	12	0.8	0.825	1.1	0.4	0.051	0.226	0.43	0.7	1.	1.1
00935 POTASSIUM, DISSOLVED (MG/L AS K)		05/16/68-07/09/75	12	16.	15.083	19.	9.	10.992	3.315	9.	12.75	17.	18.7
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-11/15/77	14	12.	11.679	18.	0.5	23.677	4.866	2.25	10.25	15.25	17.5
00945 SULFATE, TOTAL (MG/L AS SO4)		05/16/68-07/09/75	13	300.	348.077	580.	22.	37823.41	194.482	69.2	189.	562.5	578.
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/05/68-11/15/77	12	160.	468.333	2900.	0.	697978.788	835.451	6.	40.	450.	2390.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/05/68-11/15/77	12	2.204	2.061	3.462	0.	0.828	0.91	0.39	1.602	2.644	3.347
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		114.991									

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Annual Analysis for 1974 - Station MNRR0079

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		05/16/68-11/15/77	15	12.	13.	28.	0.	110.	10.488	0.	1.	25.	26.8
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		07/22/68-11/15/77	15	20.	19.427	34.	0.	112.959	10.628	1.8	11.	30.	33.4
00060 FLOW, STREAM, MEAN DAILY	CFS	05/16/68-11/15/77	15	43.	78.02	644.	0.3	25802.663	160.632	2.52	5.	89.	317.6
00070 TURBIDITY, (JACKSON CANDLE UNITS)		05/16/68-11/15/77	15	22.	92.2	650.	3.	26941.886	164.14	3.6	6.	135.	347.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/16/68-11/15/77	15	1210.	1054.667	1410.	152.	151714.238	389.505	234.8	990.	1300.	1380.
00300 OXYGEN, DISSOLVED	MG/L	05/16/68-11/15/77	15	9.8	9.927	13.2	5.8	4.398	2.097	6.82	8.2	12.	13.02
00310 BOD, 5 DAY, 20 DEG C	MG/L	11/05/68-11/15/77	12	2.6	3.292	9.5	0.5	5.974	2.444	0.74	1.8	4.025	8.48
00340 COD, .25N K2CR2O7	MG/L	05/12/69-11/15/77	12	9.	8.75	24.	0.	51.295	7.162	0.	1.25	12.75	21.6
00400 PH (STANDARD UNITS)		11/05/68-11/15/77	15	8.	7.967	8.2	7.5	0.035	0.188	7.68	7.8	8.1	8.2
00400 CONVERTED PH (STANDARD UNITS)		11/05/68-11/15/77	15	8.	7.924	8.2	7.5	0.037	0.193	7.68	7.8	8.1	8.2
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		11/05/68-11/15/77	15	0.01	0.012	0.032	0.006	0.	0.006	0.006	0.008	0.016	0.022
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/16/68-07/09/75	15	202.	209.267	270.	124.	2291.067	47.865	130.	186.	256.	267.6
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		11/05/68-11/15/77	15	1118.	1085.333	1330.	778.	29962.524	173.097	779.2	988.	1262.	1309.6
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/16/68-11/15/77	15	0.5	0.5	0.9	0.	0.113	0.336	0.06	0.1	0.8	0.9
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/16/68-07/09/75	14	654.	660.286	934.	469.	12071.758	109.872	486.5	630.5	694.	859.
00915 CALCIUM, DISSOLVED (MG/L AS CA)		11/05/68-07/09/75	14	180.	185.357	285.	130.	1365.17	36.948	135.	172.75	190.75	257.5
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		11/05/68-07/09/75	14	50.5	47.929	54.	35.	34.379	5.863	36.	45.5	52.25	53.5
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-11/15/77	14	47.	47.071	59.	32.	72.533	8.517	32.	43.	53.75	59.
00931 SODIUM ADSORPTION RATIO		05/16/68-07/09/75	14	0.8	0.779	0.9	0.6	0.011	0.105	0.6	0.7	0.9	0.9
00935 POTASSIUM, DISSOLVED (MG/L AS K)		05/16/68-07/09/75	14	14.	15.	21.	11.	10.615	3.258	11.	12.75	17.25	21.
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-11/15/77	15	15.	15.6	22.	10.	11.971	3.46	10.6	13.	18.	22.
00945 SULFATE, TOTAL (MG/L AS SO4)		05/16/68-07/09/75	15	556.	583.8	770.	416.	9544.743	97.697	466.4	505.	636.	743.
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/05/68-11/15/77	12	200.	8856.25	103000.	0.	879113650.568	29649.851	0.	62.5	575.	72490.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/05/68-11/15/77	12	2.301	2.192	5.013	0.	1.758	1.326	0.	1.774	2.758	4.443
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		155.563									

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Annual Analysis for 1975 - Station MNRR0079

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		05/16/68-11/15/77	8	8.5	10.625	28.	0.	131.125	11.451	**	**	**	**
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		07/22/68-11/15/77	8	11.75	10.938	21.	0.	98.46	9.923	**	**	**	**
00060 FLOW, STREAM, MEAN DAILY	CFS	05/16/68-11/15/77	15	5.	22.053	167.	0.	1926.528	43.892	0.	0.	39.	97.4
00070 TURBIDITY, (JACKSON CANDLE UNITS)		05/16/68-11/15/77	8	35.	74.25	330.	6.	11790.5	108.584	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/16/68-11/15/77	8	1065.	960.125	1450.	300.	167625.839	409.421	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	05/16/68-11/15/77	8	8.6	9.325	13.3	7.3	4.182	2.045	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	11/05/68-11/15/77	7	2.1	5.786	28.	1.4	96.588	9.828	**	**	**	**
00340 COD, .25N K2CR2O7	MG/L	05/12/69-11/15/77	6	13.	24.333	100.	0.	1443.467	37.993	**	**	**	**

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Annual Analysis for 1975 - Station MNRR0079

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400 PH (STANDARD UNITS)	11/05/68-11/15/77	8	8.05	8.013	8.4	7.5	0.07	0.264	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	11/05/68-11/15/77	8	8.047	7.935	8.4	7.5	0.077	0.277	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/05/68-11/15/77	8	0.009	0.012	0.032	0.004	0.	0.009	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	05/16/68-07/09/75	8	198.	187.125	244.	129.	1723.839	41.519	**	**	**	**
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/05/68-11/15/77	8	777.5	811.125	1240.	360.	78803.839	280.72	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/16/68-11/15/77	8	0.2	0.35	0.8	0.1	0.097	0.312	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	05/16/68-07/09/75	8	513.	544.875	873.	202.	44268.411	210.401	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)	11/05/68-07/09/75	8	143.5	158.	267.	56.	4512.	67.171	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	11/05/68-07/09/75	8	37.5	36.5	50.	15.	117.429	10.836	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)	05/16/68-11/15/77	8	39.5	40.375	56.	26.	101.982	10.099	**	**	**	**
00931 SODIUM ADSORPTION RATIO	05/16/68-07/09/75	8	0.75	0.763	0.9	0.7	0.006	0.074	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)	05/16/68-07/09/75	8	12.	12.375	18.	10.	6.554	2.56	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	05/16/68-11/15/77	8	13.	13.5	18.	10.	8.	2.828	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	05/16/68-07/09/75	8	335.	329.25	625.	44.	38911.643	197.26	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/05/68-11/15/77	7	200.	1542.857	9000.	0.	11022023.81	3319.943	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/05/68-11/15/77	7	2.301	1.924	3.954	0.	2.226	1.492	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		83.894									

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Annual Analysis for 1976 - Station MNRR0079

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/16/68-11/15/77	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/22/68-11/15/77	6	20.	12.533	28.	-12.2	213.339	14.606	**	**	**	**
00060 FLOW, STREAM, MEAN DAILY CFS	05/16/68-11/15/77	7	0.	9.857	69.	0.	680.143	26.08	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/16/68-11/15/77	1	1080.	1080.	1080.	1080.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	05/16/68-11/15/77	1	9.6	9.6	9.6	9.6	0.	0.	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	11/05/68-11/15/77	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00340 COD, .25N K2CR207 MG/L	05/12/69-11/15/77	1	57.	57.	57.	57.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	11/05/68-11/15/77	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	11/05/68-11/15/77	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/05/68-11/15/77	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)	05/16/68-11/15/77	1	41.	41.	41.	41.	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	05/16/68-11/15/77	1	12.	12.	12.	12.	0.	0.	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/05/68-11/15/77	1	317.	317.	317.	317.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/05/68-11/15/77	1	2.501	2.501	2.501	2.501	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		317.									

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Annual Analysis for 1977 - Station MNRR0079

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/16/68-11/15/77	8	16.8	17.15	27.5	4.8	68.103	8.252	**	**	**	**
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/22/68-11/15/77	8	18.6	17.938	26.7	7.8	37.311	6.108	**	**	**	**
00060 FLOW, STREAM, MEAN DAILY CFS	05/16/68-11/15/77	9	19.	17.111	34.	0.	136.361	11.677	0.	5.	27.	34.
00070 TURBIDITY, (JACKSON CANDLE UNITS)	05/16/68-11/15/77	8	39.	35.838	59.	8.7	295.868	17.201	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/16/68-11/15/77	8	823.5	816.375	970.	610.	10868.554	104.252	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	05/16/68-11/15/77	8	8.65	9.025	11.6	7.4	2.511	1.585	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	11/05/68-11/15/77	7	1.2	1.443	2.6	0.3	0.706	0.84	**	**	**	**
00340 COD, .25N K2CR207 MG/L	05/12/69-11/15/77	8	27.	61.	269.	10.	7319.714	85.555	**	**	**	**
00400 PH (STANDARD UNITS)	11/05/68-11/15/77	8	8.1	8.2	8.5	8.	0.031	0.177	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	11/05/68-11/15/77	8	8.1	8.171	8.5	8.	0.032	0.18	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/05/68-11/15/77	8	0.008	0.007	0.01	0.003	0.	0.002	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station MNRR0079

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/05/68-11/15/77	7	672.	664.429	801.	558.	5850.952	76.492	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/16/68-11/15/77	8	0.2	0.231	0.5	0.05	0.025	0.158	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)	05/16/68-11/15/77	8	34.	32.75	36.	27.	11.643	3.412	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	05/16/68-11/15/77	8	13.	16.125	40.	10.	95.268	9.761	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/05/68-11/15/77	8	546.5	1263.75	4000.	167.	2073280.214	1439.889	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/05/68-11/15/77	8	2.733	2.859	3.602	2.223	0.238	0.488	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		722.436									

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 11/20 to 1/14 - Station MNRR0079

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		05/16/68-11/15/77	7	0.	0.	0.	0.	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)		07/22/68-11/15/77	8	2.5	1.35	10.	-12.2	46.18	6.796	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY	CFS	05/16/68-11/15/77	8	5.	11.65	38.	0.	271.894	16.489	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)		05/16/68-11/15/77	7	12.	12.429	20.	4.	46.619	6.828	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/16/68-11/15/77	7	1410.	1327.	2050.	50.	398219.667	631.046	**	**	**	**
00300	OXYGEN, DISSOLVED	MG/L	05/16/68-11/15/77	7	10.9	10.843	12.8	7.8	2.94	1.715	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C	MG/L	11/05/68-11/15/77	6	2.25	2.1	3.	0.5	0.808	0.899	**	**	**	**
00340	COD, .25N K2CR207	MG/L	05/12/69-11/15/77	5	16.	12.2	19.	0.	70.7	8.408	**	**	**	**
00400	PH (STANDARD UNITS)		11/05/68-11/15/77	6	7.7	7.667	7.8	7.4	0.027	0.163	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)		11/05/68-11/15/77	6	7.689	7.64	7.8	7.4	0.028	0.166	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		11/05/68-11/15/77	6	0.02	0.023	0.04	0.016	0.	0.009	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		05/16/68-07/09/75	7	256.	289.571	520.	200.	11094.619	105.331	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		11/05/68-11/15/77	6	1159.	1227.333	1720.	880.	79799.467	282.488	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/16/68-11/15/77	7	0.5	0.457	1.	0.	0.192	0.438	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)		05/16/68-07/09/75	7	713.	683.857	934.	332.	38220.81	195.501	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)		11/05/68-07/09/75	7	185.	186.571	285.	62.	4730.286	68.777	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		11/05/68-07/09/75	7	54.	53.143	87.	7.	675.81	25.996	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-11/15/77	7	52.	60.286	83.	43.	262.238	16.194	**	**	**	**
00931	SODIUM ADSORPTION RATIO		05/16/68-07/09/75	7	0.8	1.1	2.	0.8	0.223	0.473	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)		05/16/68-07/09/75	7	14.	13.286	17.	9.	10.238	3.2	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-11/15/77	7	20.	21.143	34.	14.	43.81	6.619	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)		05/16/68-07/09/75	6	395.	416.5	715.	208.	53130.3	230.5	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/05/68-11/15/77	6	27.5	1025.833	6000.	0.	5939704.167	2437.151	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/05/68-11/15/77	6	1.199	1.363	3.778	0.	2.102	1.45	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	23.051								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 3/14 - Station MNRR0079

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		05/16/68-11/15/77	19	0.	0.316	5.	0.	1.339	1.157	0.	0.	0.	1.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)		07/22/68-11/15/77	20	3.	5.2	22.	0.	47.537	6.895	0.	0.	9.75	19.5
00060	FLOW, STREAM, MEAN DAILY	CFS	05/16/68-11/15/77	21	12.	48.933	270.	0.	5623.262	74.988	0.	0.25	74.5	204.8
00070	TURBIDITY, (JACKSON CANDLE UNITS)		05/16/68-11/15/77	18	35.5	102.	429.	5.	17235.765	131.285	5.9	8.	155.75	344.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/16/68-11/15/77	19	1289.	1360.947	3250.	451.	712534.164	844.117	520.	657.	1504.	3200.
00300	OXYGEN, DISSOLVED	MG/L	05/16/68-11/15/77	19	10.6	10.142	13.3	2.8	7.103	2.665	6.	8.5	12.1	13.2
00310	BOD, 5 DAY, 20 DEG C	MG/L	11/05/68-11/15/77	19	3.8	10.247	49.2	0.9	173.398	13.168	1.4	2.1	13.2	30.
00340	COD, .25N K2CR207	MG/L	05/12/69-11/15/77	17	28.	38.118	131.	0.	1543.985	39.294	7.2	13.	43.	119.
00400	PH (STANDARD UNITS)		11/05/68-11/15/77	19	7.7	7.695	8.2	7.	0.087	0.295	7.3	7.5	7.9	8.1
00400	CONVERTED PH (STANDARD UNITS)		11/05/68-11/15/77	19	7.7	7.592	8.2	7.	0.098	0.314	7.3	7.5	7.9	8.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		11/05/68-11/15/77	19	0.02	0.026	0.1	0.006	0.	0.021	0.008	0.013	0.032	0.05
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		05/16/68-07/09/75	19	212.	217.316	340.	129.	2928.45	54.115	140.	192.	256.	292.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		11/05/68-11/15/77	17	982.	998.235	2220.	360.	363253.441	602.705	376.	450.	1260.	2172.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/16/68-11/15/77	17	0.6	0.597	2.2	0.05	0.296	0.544	0.05	0.05	0.8	1.4
00900	HARDNESS, TOTAL (MG/L AS CACO3)		05/16/68-07/09/75	19	580.	683.789	2680.	202.	305500.842	552.721	240.	356.	828.	1160.
00915	CALCIUM, DISSOLVED (MG/L AS CA)		11/05/68-07/09/75	19	160.	176.842	376.	56.	8450.585	91.927	72.	106.	248.	328.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		11/05/68-07/09/75	19	42.	46.842	145.	13.	1098.474	33.143	15.	22.	57.	98.
00930	SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-11/15/77	19	41.	60.474	210.	15.	2436.596	49.362	15.	26.	93.	120.
00931	SODIUM ADSORPTION RATIO		05/16/68-07/09/75	19	0.8	0.968	2.4	0.4	0.376	0.613	0.4	0.5	1.1	2.
00935	POTASSIUM, DISSOLVED (MG/L AS K)		05/16/68-07/09/75	19	15.	17.316	41.	10.	56.339	7.506	11.	13.	19.	30.
00940	CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-11/15/77	19	14.	21.289	142.	0.5	982.592	31.346	2.	8.	24.	46.
00945	SULFATE, TOTAL (MG/L AS SO4)		05/16/68-07/09/75	17	197.	368.882	985.	22.	102875.61	320.742	82.	128.	562.5	981.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/05/68-11/15/77	19	20.	41.368	200.	0.	2885.579	53.718	0.	5.	50.	160.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/05/68-11/15/77	19	1.301	1.21	2.301	0.	0.517	0.719	0.	0.699	1.699	2.204
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	16.203								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 7/14 - Station MNRR0079

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		05/16/68-11/15/77	37	17.	17.246	33.	1.	64.721	8.045	4.2	13.5	23.5	27.2
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		07/22/68-11/15/77	35	22.	22.034	34.	0.	72.168	8.495	9.4	18.9	28.	33.
00060 FLOW, STREAM, MEAN DAILY	CFS	05/16/68-11/15/77	37	51.	100.319	883.	0.8	28717.052	169.461	14.	24.5	95.	160.6
00070 TURBIDITY, (JACKSON CANDLE UNITS)		05/16/68-11/15/77	36	125.	552.861	9020.	6.	2646503.094	1626.808	25.7	37.25	278.75	1011.5
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/16/68-11/15/77	37	1180.	1129.351	1800.	290.	122598.179	350.14	666.	888.5	1380.	1560.
00300 OXYGEN, DISSOLVED	MG/L	05/16/68-11/15/77	37	8.7	8.776	12.	6.2	1.809	1.345	7.22	7.7	9.6	10.7
00310 BOD, 5 DAY, 20 DEG C	MG/L	11/05/68-11/15/77	29	2.7	4.252	16.9	0.7	14.988	3.871	1.4	1.8	4.2	10.2
00340 COD, .25N K2CR2O7	MG/L	05/12/69-11/15/77	26	23.5	37.423	269.	0.	3247.774	56.989	4.7	10.	30.	115.3
00400 PH (STANDARD UNITS)		11/05/68-11/15/77	36	8.1	8.017	8.4	7.3	0.049	0.222	7.74	7.9	8.2	8.2
00400 CONVERTED PH (STANDARD UNITS)		11/05/68-11/15/77	36	8.1	7.948	8.4	7.3	0.054	0.233	7.74	7.9	8.2	8.2
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		11/05/68-11/15/77	36	0.008	0.011	0.05	0.004	0.	0.009	0.006	0.006	0.013	0.019
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/16/68-07/09/75	33	204.	203.152	284.	116.	2764.695	52.58	120.	158.	251.	271.2
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		11/05/68-11/15/77	30	907.	910.533	1300.	602.	38074.189	195.126	628.3	746.75	1048.5	1165.1
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/16/68-11/15/77	34	0.3	0.45	2.6	0.	0.285	0.534	0.05	0.05	0.8	1.
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/16/68-07/09/75	33	548.	557.697	780.	356.	12365.593	111.201	405.6	476.5	643.5	696.8
00915 CALCIUM, DISSOLVED (MG/L AS CA)		11/05/68-07/09/75	30	154.5	153.467	216.	83.	1108.326	33.292	106.2	125.75	175.25	200.2
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		11/05/68-07/09/75	30	38.5	41.4	78.	9.	215.628	14.684	26.4	33.5	51.25	64.5
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-11/15/77	35	42.	46.8	90.	32.	201.459	14.194	32.6	37.	53.	71.4
00931 SODIUM ADSORPTION RATIO		05/16/68-07/09/75	31	0.8	0.903	1.7	0.6	0.084	0.29	0.7	0.7	1.	1.46
00935 POTASSIUM, DISSOLVED (MG/L AS K)		05/16/68-07/09/75	31	16.	15.323	21.	10.	6.159	2.482	12.	14.	17.	18.8
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-11/15/77	37	13.	12.838	18.	4.	9.084	3.014	9.6	11.5	15.5	16.
00945 SULFATE, TOTAL (MG/L AS SO4)		05/16/68-07/09/75	31	209.	307.774	632.	44.	26400.714	162.483	188.4	203.	470.	558.8
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/05/68-11/15/77	31	300.	4560.613	103000.	0.	337745213.712	18377.846	22.	125.	1600.	5040.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/05/68-11/15/77	31	2.477	2.603	5.013	0.	0.954	0.977	1.336	2.097	3.204	3.7
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	401.063								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 7/15 to 11/19 - Station MNRR0079

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		05/16/68-11/15/77	32	17.5	17.394	32.	0.	99.742	9.987	4.15	7.4	27.125	29.7
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		07/22/68-11/15/77	38	19.5	20.282	38.	4.4	88.671	9.417	7.62	11.8	29.25	32.3
00060 FLOW, STREAM, MEAN DAILY	CFS	05/16/68-11/15/77	52	1.75	12.191	94.	0.	478.777	21.881	0.	0.	15.25	43.8
00070 TURBIDITY, (JACKSON CANDLE UNITS)		05/16/68-11/15/77	32	17.	187.491	4250.	3.	557385.587	746.583	6.	8.175	64.75	283.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/16/68-11/15/77	32	1167.5	1222.531	2400.	152.	268581.096	518.248	648.	891.25	1542.5	2145.
00300 OXYGEN, DISSOLVED	MG/L	05/16/68-11/15/77	32	8.85	8.894	12.3	5.8	2.88	1.697	6.89	7.3	10.275	11.28
00310 BOD, 5 DAY, 20 DEG C	MG/L	11/05/68-11/15/77	29	2.8	3.103	7.6	0.3	3.053	1.747	1.1	1.95	4.15	6.
00340 COD, .25N K2CR2O7	MG/L	05/12/69-11/15/77	28	17.5	20.75	79.	0.	343.231	18.527	0.	8.5	29.25	52.6
00400 PH (STANDARD UNITS)		11/05/68-11/15/77	32	8.	8.009	8.5	7.2	0.076	0.276	7.59	7.9	8.175	8.37
00400 CONVERTED PH (STANDARD UNITS)		11/05/68-11/15/77	32	8.	7.905	8.5	7.2	0.088	0.296	7.59	7.9	8.175	8.37
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		11/05/68-11/15/77	32	0.01	0.012	0.063	0.003	0.	0.012	0.004	0.007	0.013	0.027
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/16/68-07/09/75	26	178.	183.769	292.	120.	1984.345	44.546	129.6	147.25	212.5	245.2
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		11/05/68-11/15/77	25	1032.	1041.08	1700.	558.	95938.91	309.74	660.8	790.5	1246.	1592.
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/16/68-11/15/77	31	0.2	0.602	7.3	0.	1.797	1.34	0.05	0.05	0.5	1.8
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/16/68-07/09/75	26	570.5	593.462	1040.	204.	45304.658	212.849	253.9	504.	686.	966.
00915 CALCIUM, DISSOLVED (MG/L AS CA)		11/05/68-07/09/75	26	176.	164.308	288.	27.	4785.022	69.174	47.3	135.5	192.5	280.
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		11/05/68-07/09/75	26	43.	46.462	105.	17.	394.578	19.864	22.6	35.5	51.5	82.3
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-11/15/77	31	49.	50.484	80.	24.	236.325	15.373	29.	37.	60.	75.
00931 SODIUM ADSORPTION RATIO		05/16/68-07/09/75	25	0.9	0.996	2.	0.5	0.087	0.295	0.76	0.8	1.15	1.34
00935 POTASSIUM, DISSOLVED (MG/L AS K)		05/16/68-07/09/75	26	17.	16.5	22.	10.	9.78	3.127	12.	14.5	19.	21.
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-11/15/77	32	15.5	16.219	40.	6.	37.789	6.147	10.3	12.25	19.5	22.
00945 SULFATE, TOTAL (MG/L AS SO4)		05/16/68-07/09/75	26	212.5	377.885	820.	22.	53528.186	231.362	202.4	207.75	562.	770.
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/05/68-11/15/77	26	325.	1223.577	10900.	20.	6035233.294	2456.671	57.	190.	632.75	5600.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/05/68-11/15/77	26	2.512	2.595	4.037	1.301	0.395	0.628	1.754	2.277	2.801	3.748
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	393.862								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: MNRR0080

NPS Station ID: MNRR0080 LAT/LON: 42.811115/ -98.176393 Agency: 112WRD Date Created: / /
Location: PONCA CREEK AT VERDEL, NEBR. FIPS State/County: 31107 NEBRASKA/KNOX
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 06453600
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 10150001 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 10150001001 RF1 Mile Point: 2.590 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 10170101001802.22 RF3 Mile Point: 2.33 Distance from RF3: 0.08 On/Off RF3:
Description:

Parameter Inventory for Station: MNRR0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/29/70-06/24/80	51	10.	11.902	34.5	0.5	117.77	10.852	0.5	1.	22.	27.5
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		07/16/75-06/24/80	52	20.25	12.721	33.	-20.	209.514	14.475	3.15	5.75	27.875	-13.5
00060 FLOW, STREAM, MEAN DAILY	CFS	10/29/70-04/29/71	2	85.3	85.3	170.	0.6	14348.18	119.784	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	07/16/75-06/24/80	49	11.	134.867	5110.	0.08	529355.128	727.568	0.6	4.5	38.	109.
00070 TURBIDITY, (JACKSON CANDLE UNITS)		07/16/75-06/24/80	49	8.	27.245	140.	1.	1447.105	38.041	2.	3.	40.	85.
00080 COLOR (PLATINUM-COBALT UNITS)		11/19/75-05/13/80	13	5.	8.385	35.	1.	90.256	9.5	1.4	4.5	7.5	29.8
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/29/70-06/24/80	49	1260.	1208.612	1800.	298.	86840.659	294.687	780.	1040.	1395.	1550.
00300 OXYGEN, DISSOLVED	MG/L	07/16/75-06/24/80	49	9.8	10.131	14.4	6.7	3.95	1.987	7.5	8.6	11.85	12.9
00310 BOD, 5 DAY, 20 DEG C	MG/L	07/16/75-06/24/80	47	3.	3.523	11.	1.2	4.231	2.057	1.76	2.1	4.	6.2
00400 PH (STANDARD UNITS)		10/29/70-06/24/80	50	7.7	7.668	8.4	7.	0.13	0.361	7.2	7.375	7.9	8.2
00400 CONVERTED PH (STANDARD UNITS)		10/29/70-06/24/80	50	7.7	7.526	8.4	7.	0.151	0.388	7.2	7.375	7.9	8.2
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/29/70-06/24/80	50	0.02	0.03	0.1	0.004	0.001	0.025	0.006	0.013	0.042	0.063
00405 CARBON DIOXIDE (MG/L AS CO2)		11/19/75-08/23/78	10	4.9	8.45	20.	1.9	51.061	7.146	1.91	2.	14.5	19.9
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		10/29/70-05/13/80	17	180.	186.059	260.	102.	1524.934	39.05	132.4	160.5	214.	252.
00440 BICARBONATE ION (MG/L AS HCO3)		10/29/70-08/23/78	11	216.	223.636	320.	124.	3270.255	57.186	133.2	190.	266.	316.
00445 CARBONATE ION (MG/L AS CO3)		10/29/70-08/23/78	11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00600 NITROGEN, TOTAL (MG/L AS N)		07/16/75-06/24/80	49	0.83	1.184	8.6	0.2	1.741	1.319	0.39	0.52	1.2	2.4
00605 NITROGEN, ORGANIC, TOTAL (MG/L AS N)		07/16/75-06/24/80	49	0.48	0.75	6.8	0.	1.079	1.039	0.14	0.355	0.735	1.5
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		07/16/75-06/24/80	49	0.06	0.104	0.86	0.005	0.023	0.151	0.005	0.03	0.105	0.23
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)		10/29/70-04/29/71	2	0.3	0.3	0.6	0.	0.18	0.424	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		07/16/75-06/24/80	49	0.52	0.853	7.7	0.14	1.342	1.158	0.25	0.385	0.835	1.7
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		07/16/75-06/24/80	49	0.26	0.328	0.98	0.01	0.073	0.271	0.02	0.065	0.505	0.69
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)		11/15/78-05/13/80	5	0.4	0.324	0.6	0.02	0.049	0.221	**	**	**	**
00650 PHOSPHATE, TOTAL (MG/L AS PO4)		04/09/79-06/11/79	3	0.21	0.193	0.25	0.12	0.004	0.067	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/16/75-06/24/80	49	0.04	0.146	2.8	0.005	0.164	0.405	0.02	0.02	0.125	0.29
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)		07/16/75-05/13/80	24	0.015	0.026	0.11	0.	0.001	0.026	0.005	0.01	0.045	0.065
00900 HARDNESS, TOTAL (MG/L AS CACO3)		10/29/70-05/13/80	18	620.	622.778	930.	380.	18927.124	137.576	389.	535.	722.5	777.
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)		10/29/70-05/13/80	18	405.	442.778	760.	210.	19809.477	140.746	219.	352.5	552.5	607.
00915 CALCIUM, DISSOLVED (MG/L AS CA)		11/19/75-05/13/80	17	180.	175.294	260.	110.	1538.971	39.23	118.	145.	205.	228.
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		11/19/75-05/13/80	17	43.	43.353	67.	21.	114.118	10.683	25.	37.5	50.5	55.8
00930 SODIUM, DISSOLVED (MG/L AS NA)		10/29/70-05/13/80	18	44.	44.278	72.	26.	102.918	10.145	27.8	39.	48.5	56.7
00931 SODIUM ADSORPTION RATIO		10/29/70-05/13/80	18	0.8	0.772	1.	0.6	0.009	0.096	0.6	0.7	0.8	0.91
00932 SODIUM, PERCENT		10/29/70-05/13/80	18	13.	13.611	18.	12.	2.958	1.72	12.	12.	14.25	17.1
00933 SODIUM,PLUS POTASSIUM (MG/L)		05/23/79-02/20/80	4	59.5	61.25	76.	50.	176.917	13.301	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)		11/19/75-05/13/80	17	13.	14.294	29.	11.	19.096	4.37	11.8	12.	14.	21.8
00940 CHLORIDE,TOTAL IN WATER	MG/L	10/29/70-06/24/80	49	17.	16.653	26.	4.	24.481	4.948	11.	13.5	20.5	23.
00945 SULFATE, TOTAL (MG/L AS SO4)		10/29/70-05/13/80	18	480.	501.111	820.	250.	18716.34	136.808	277.	415.	590.	685.
00950 FLUORIDE, DISSOLVED (MG/L AS F)		11/19/75-05/13/80	17	0.3	0.335	0.4	0.3	0.002	0.049	0.3	0.3	0.4	0.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: MNRR0080

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00955 SILICA, DISSOLVED (MG/L AS SIO2)	11/19/75-05/13/80	17	14.	13.976	18.	9.7	6.706	2.59	9.86	12.	16.	17.2
01000 ARSENIC, DISSOLVED (UG/L AS AS)	11/19/75-05/13/80	10	1.	1.	2.	0.5	0.167	0.408	0.5	0.875	1.	1.9
01005 BARIUM, DISSOLVED (UG/L AS BA)	11/15/78-05/13/80	4##	50.	47.5	50.	40.	25.	5.	**	**	**	**
01020 BORON, DISSOLVED (UG/L AS B)	11/19/75-05/13/80	17	180.	202.941	340.	130.	3709.559	60.906	146.	165.	230.	324.
01025 CADMIUM, DISSOLVED (UG/L AS CD)	11/19/75-05/13/80	10##	0.75	0.7	2.	0.	0.4	0.632	0.	0.	1.	1.9
01030 CHROMIUM, DISSOLVED (UG/L AS CR)	11/19/75-05/13/80	10##	0.	1.	10.	0.	10.	3.162	0.	0.	0.	9.
01040 COPPER, DISSOLVED (UG/L AS CU)	11/19/75-05/13/80	10	1.5	1.7	4.	0.	1.344	1.16	0.1	1.	2.25	3.9
01046 IRON, DISSOLVED (UG/L AS FE)	11/19/75-05/13/80	17##	5.	14.412	60.	5.	327.757	18.104	5.	5.	20.	60.
01049 LEAD, DISSOLVED (UG/L AS PB)	11/19/75-05/13/80	9	1.	4.778	21.	0.	50.444	7.102	0.	0.	8.5	21.
01056 MANGANESE, DISSOLVED (UG/L AS MN)	11/19/75-05/13/80	17	160.	314.706	2000.	5.	264160.846	513.966	5.	25.	330.	1280.
01075 SILVER, DISSOLVED (UG/L AS AG)	11/19/75-05/13/80	10##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
01090 ZINC, DISSOLVED (UG/L AS ZN)	11/19/75-05/13/80	10##	10.	7.7	20.	0.	39.567	6.29	0.	0.	10.	19.
01145 SELENIUM, DISSOLVED (UG/L AS SE)	10/29/70-05/13/80	12	6.5	7.583	20.	3.	22.265	4.719	3.	5.	9.5	17.6
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/16/75-07/08/76	10	144.5	767.7	5100.	13.	2415382.9	1554.15	18.	71.25	842.	4677.8
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/16/75-07/08/76	10	2.158	2.324	3.708	1.114	0.527	0.726	1.182	1.852	2.925	3.631
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	210.792								
31625 FECAL COLIFORM, MF,M-FC, 0.7 UM	02/23/77-06/24/80	39	310.	805.615	6300.	2.	2069203.506	1438.473	11.	41.	670.	2900.
31625 LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	02/23/77-06/24/80	39	2.491	2.247	3.799	0.301	0.786	0.886	1.041	1.613	2.826	3.462
31625 GM FECAL COLIFORM, MF,M-FC, 0.7 UM			GEOMETRIC MEAN =	176.448								
31673 FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/26/77-06/24/80	34	1200.	4508.529	78000.	100.	174002522.014	13191.002	180.	415.	3775.	6950.
31673 LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/26/77-06/24/80	34	3.079	3.133	4.892	2.	0.396	0.629	2.253	2.618	3.577	3.824
31673 GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR			GEOMETRIC MEAN =	1357.077								
31679 FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/16/75-06/07/77	15	1500.	2611.2	10000.	68.	9779753.029	3127.26	111.2	190.	3100.	8740.
31679 LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	07/16/75-06/07/77	15	3.176	3.023	4.	1.833	0.483	0.695	2.021	2.279	3.491	3.939
31679 GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4			GEOMETRIC MEAN =	1054.99								
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/16/75-06/24/80	37	1000.	971.189	1880.	193.	92647.769	304.381	618.4	813.	1145.	1302.
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	11/19/75-05/13/80	17	905.	912.235	1380.	561.	40697.316	201.736	579.4	795.5	1045.	1196.
70302 SOLIDS, DISSOLVED-TONS PER DAY	07/16/75-06/24/80	49	29.3	120.878	2660.	0.12	149863.554	387.122	2.05	12.65	85.4	159.
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/16/75-06/24/80	49	1.34	1.3	2.56	0.26	0.154	0.393	0.79	1.07	1.525	1.77
71845 NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	04/09/79-06/24/80	14	0.07	0.096	0.4	0.01	0.009	0.097	0.025	0.05	0.085	0.3
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/29/70-04/29/71	2	1.45	1.45	2.9	0.	4.205	2.051	**	**	**	**
71886 PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/09/79-06/24/80	14	0.105	0.168	0.89	0.	0.049	0.222	0.015	0.06	0.22	0.57
71887 NITROGEN, TOTAL, AS NO3 - MG/L	07/16/75-06/24/80	49	3.7	5.243	38.	0.9	33.917	5.824	1.7	2.3	5.25	11.
71890 MERCURY, DISSOLVED (UG/L AS HG)	11/19/75-05/13/80	10##	0.075	0.13	0.25	0.	0.011	0.106	0.005	0.05	0.25	0.25
71895 MERCURY, SUSPENDED (UG/L AS HG)	11/19/75-05/13/80	9	0.	0.033	0.1	0.	0.003	0.05	0.	0.	0.1	0.1
71900 MERCURY, TOTAL (UG/L AS HG)	11/19/75-05/13/80	10##	0.1	0.14	0.25	0.05	0.009	0.097	0.05	0.05	0.25	0.25
80158 BED MATERIAL FALL DIAMETER, % FINER THAN .062MM	05/11/77-05/11/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
80159 BED MATERIAL FALL DIAMETER, % FINER THAN .125MM	05/11/77-05/11/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
80160 BED MATERIAL FALL DIAMETER, % FINER THAN .250MM	05/11/77-05/11/77	1	9.	9.	9.	9.	0.	0.	**	**	**	**
80161 BED MATERIAL FALL DIAMETER, % FINER THAN .500MM	05/11/77-05/11/77	1	48.	48.	48.	48.	0.	0.	**	**	**	**
80162 BED MATERIAL FALL DIAMETER, % FINER THAN 1.00MM	05/11/77-05/11/77	1	84.	84.	84.	84.	0.	0.	**	**	**	**
80169 BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	05/11/77-05/11/77	1	94.	94.	94.	94.	0.	0.	**	**	**	**
80170 BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	05/11/77-05/11/77	1	99.	99.	99.	99.	0.	0.	**	**	**	**
80171 BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	05/11/77-05/11/77	1	100.	100.	100.	100.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: MNRR0080

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	49	10	0.20	6	0	0.00	8	0	0.00	21	10	0.48	14	0	0.00
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	49	0	0.00	6	0	0.00	8	0	0.00	21	0	0.00	14	0	0.00
00400 PH	Fresh Chronic	9.	50	0	0.00	6	0	0.00	8	0	0.00	21	0	0.00	15	0	0.00
	Other-Lo Lim.	6.5	50	0	0.00	6	0	0.00	8	0	0.00	21	0	0.00	15	0	0.00
00618 NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00							1	0	0.00	1	0	0.00
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	49	0	0.00	6	0	0.00	8	0	0.00	21	0	0.00	14	0	0.00
00631 NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	5	0	0.00				1	0	0.00	2	0	0.00	2	0	0.00
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	49	0	0.00	6	0	0.00	8	0	0.00	20	0	0.00	15	0	0.00
	Drinking Water	250.	49	0	0.00	6	0	0.00	8	0	0.00	20	0	0.00	15	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: MNRR0080

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	18	18	1.00	1	1	1.00	5	5	1.00	5	5	1.00	7	7	1.00
00950 FLUORIDE, DISSOLVED AS F	Drinking Water	4.	17	0	0.00	1	0	0.00	5	0	0.00	5	0	0.00	6	0	0.00
01000 ARSENIC, DISSOLVED	Fresh Acute	360.	10	0	0.00				3	0	0.00	2	0	0.00	5	0	0.00
	Drinking Water	50.	10	0	0.00				3	0	0.00	2	0	0.00	5	0	0.00
01005 BARIUM, DISSOLVED	Drinking Water	2000.	4	0	0.00							2	0	0.00	2	0	0.00
01025 CADMIUM, DISSOLVED	Fresh Acute	3.9	10	0	0.00				3	0	0.00	2	0	0.00	5	0	0.00
	Drinking Water	5.	10	0	0.00				3	0	0.00	2	0	0.00	5	0	0.00
01030 CHROMIUM, DISSOLVED	Drinking Water	100.	10	0	0.00				3	0	0.00	2	0	0.00	5	0	0.00
01040 COPPER, DISSOLVED	Fresh Acute	18.	10	0	0.00				3	0	0.00	2	0	0.00	5	0	0.00
	Drinking Water	1300.	10	0	0.00				3	0	0.00	2	0	0.00	5	0	0.00
01049 LEAD, DISSOLVED	Fresh Acute	82.	9	0	0.00				3	0	0.00	2	0	0.00	4	0	0.00
	Drinking Water	15.	9	1	0.11				3	0	0.00	2	0	0.00	4	1	0.25
01075 SILVER, DISSOLVED	Fresh Acute	4.1	10	0	0.00				3	0	0.00	2	0	0.00	5	0	0.00
	Drinking Water	100.	10	0	0.00				3	0	0.00	2	0	0.00	5	0	0.00
01090 ZINC, DISSOLVED	Fresh Acute	120.	10	0	0.00				3	0	0.00	2	0	0.00	5	0	0.00
	Drinking Water	5000.	10	0	0.00				3	0	0.00	2	0	0.00	5	0	0.00
01145 SELENIUM, DISSOLVED	Fresh Acute	20.	12	1	0.08				3	0	0.00	3	0	0.00	6	1	0.17
	Drinking Water	50.	12	0	0.00				3	0	0.00	3	0	0.00	6	0	0.00
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	10	4	0.40	2	0	0.00	2	0	0.00	4	2	0.50	2	2	1.00
31625 FECAL COLIFORM, MF	Other-Hi Lim.	200.	39	22	0.56	4	0	0.00	6	1	0.17	17	11	0.65	12	10	0.83
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00							1	0	0.00	1	0	0.00
71890 MERCURY, DISSOLVED	Fresh Acute	2.4	10	0	0.00				3	0	0.00	2	0	0.00	5	0	0.00
	Drinking Water	2.	10	0	0.00				3	0	0.00	2	0	0.00	5	0	0.00
71895 MERCURY, SUSPENDED	Fresh Acute	2.4	9	0	0.00				3	0	0.00	2	0	0.00	4	0	0.00
	Drinking Water	2.	9	0	0.00				3	0	0.00	2	0	0.00	4	0	0.00
71900 MERCURY, TOTAL	Fresh Acute	2.4	10	0	0.00				3	0	0.00	2	0	0.00	5	0	0.00
	Drinking Water	2.	10	0	0.00				3	0	0.00	2	0	0.00	5	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 11/20 to 1/14 - Station MNRR0080

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/29/70-06/24/80	6	0.5	1.	3.	0.5	1.	1.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/29/70-06/24/80	6	1495.	1433.333	1580.	1120.	29346.667	171.309	**	**	**	**
00400 PH (STANDARD UNITS)	10/29/70-06/24/80	6	7.35	7.283	7.6	7.	0.058	0.24	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	10/29/70-06/24/80	6	7.347	7.228	7.6	7.	0.061	0.248	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/29/70-06/24/80	6	0.045	0.059	0.1	0.025	0.001	0.033	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	10/29/70-06/24/80	6	21.5	21.	23.	18.	4.4	2.098	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 3/14 - Station MNRR0080

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/29/70-06/24/80	8	0.5	0.563	1.	0.5	0.031	0.177	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/29/70-06/24/80	8	1300.	1317.75	1800.	742.	101006.214	317.815	**	**	**	**
00400 PH (STANDARD UNITS)	10/29/70-06/24/80	8	7.3	7.4	7.9	7.2	0.054	0.233	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	10/29/70-06/24/80	8	7.3	7.356	7.9	7.2	0.056	0.238	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/29/70-06/24/80	8	0.05	0.044	0.063	0.013	0.	0.017	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	10/29/70-06/24/80	8	18.	17.875	26.	6.	43.839	6.621	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 7/14 - Station MNRR0080

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/29/70-06/24/80	22	14.25	15.432	31.5	1.	85.721	9.259	2.1	8.75	23.375	29.25
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/29/70-06/24/80	20	1135.	1068.55	1660.	298.	94442.05	307.314	560.2	912.5	1260.	1349.
00400 PH (STANDARD UNITS)	10/29/70-06/24/80	21	7.8	7.795	8.4	7.1	0.123	0.351	7.2	7.6	8.05	8.2
00400 CONVERTED PH (STANDARD UNITS)	10/29/70-06/24/80	21	7.8	7.65	8.4	7.1	0.146	0.382	7.2	7.6	8.05	8.2
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/29/70-06/24/80	21	0.016	0.022	0.079	0.004	0.	0.021	0.006	0.009	0.025	0.063
00940 CHLORIDE,TOTAL IN WATER MG/L	10/29/70-06/24/80	20	14.	13.75	23.	4.	16.618	4.077	8.1	12.	16.75	18.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 7/15 to 11/19 - Station MNRR0080

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/29/70-06/24/80	15	20.5	17.133	34.5	0.5	118.338	10.878	2.	6.5	26.	31.5
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/29/70-06/24/80	15	1330.	1247.267	1530.	780.	50509.21	224.743	869.4	1110.	1420.	1524.
00400 PH (STANDARD UNITS)	10/29/70-06/24/80	15	7.8	7.787	8.2	7.1	0.087	0.295	7.34	7.6	8.	8.2
00400 CONVERTED PH (STANDARD UNITS)	10/29/70-06/24/80	15	7.8	7.682	8.2	7.1	0.099	0.314	7.34	7.6	8.	8.2
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/29/70-06/24/80	15	0.016	0.021	0.079	0.006	0.	0.018	0.006	0.01	0.025	0.051
00940 CHLORIDE,TOTAL IN WATER MG/L	10/29/70-06/24/80	15	19.	18.133	26.	11.	14.552	3.815	12.8	15.	21.	23.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: MNRR0081

NPS Station ID: MNRR0081 LAT/LON: 42.800004/ -98.200005 Agency: 21NEB002 Date Created: / /
Location: LEARWATER CR NEAR CLEARWATER, NB FIPS State/County: 31003 NEBRASKA/ANTELOPE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 020051
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 10150001 Depth of Water: 2 Aquifer:
Major Basin: MISSOURI Elevation: 0 Water Body Id:
Minor Basin: PLATTE C ECO Region:
RF1 Index: 10150001001 RF1 Mile Point: 4.490 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 10170101107900.00 RF3 Mile Point: 1.25 Distance from RF3: 0.02 On/Off RF3:
Description:
CLEARWATER CREEK 1 1/2 S, 1/2 W OF CLEARWATER, NB SECTION 14, T25N R8W

Parameter Inventory for Station: MNRR0081

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011 TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/17/72-07/17/72	1	65.	65.	65.	65.	0.	0.	**	**	**	**
00021 TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/17/72-07/17/72	1	66.	66.	66.	66.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	07/17/72-07/17/72	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	07/17/72-07/17/72	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/72-07/17/72	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	07/17/72-07/17/72	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00415 ALKALINITY, PHENOLPHTHALEIN (MG/L)	07/17/72-07/17/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	07/17/72-07/17/72	1	86.	86.	86.	86.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: MNRR0081

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
00400 PH	Fresh Chronic	9.	1	0	0.00										1	0	0.00
	Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: MNRR0082

NPS Station ID: MNRR0082 LAT/LON: 42.740281/ -98.212503 Agency: 121MBRCE Date Created: / /
Location: PISHELVILLE BRIDGE NEAR VERDEL FIPS State/County: 31000 NEBRASKA/
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 300202
RMI-Indexes: 1021500 009490 08230 Within Park Boundary: Yes
RMI-Miles: 1149.40 0843.60 014.75
HUC: 10150007 Depth of Water: 0 Aquifer:
Major Basin: MISSOURI RIVER Elevation: 0 Water Body Id:
Minor Basin: LOWER MISSOURI ECO Region:
RF1 Index: 10150007002 RF1 Mile Point: 10.080 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 10170101006500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.14 On/Off RF3:
Description:
NIOBRARA R 6 MI S OF VERDEL @ PISHELVILLE BR COE S S NO G-3 USGS 6-4655 LAT 4244250 09812450 LONG

Parameter Inventory for Station: MNRR0082

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/06/70-08/04/81	74	13.1	14.264	32.	0.	107.752	10.38	0.26	4.375	24.	29.
00011 TEMPERATURE, WATER (DEGREES FAHRENHEIT)		04/14/71-11/15/71	8	68.5	66.875	81.	48.	135.554	11.643	**	**	**	**
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		07/13/70-08/04/81	62	19.75	18.516	34.5	0.5	106.277	10.309	2.22	9.375	27.75	31.
00032 CLOUD COVER (PERCENT)		04/08/76-08/04/81	24	30.	41.458	100.	0.	1368.433	36.992	0.	11.25	83.75	100.
00035 WIND VELOCITY (MILES PER HOUR)		04/26/77-08/04/81	21	10.	10.238	20.	5.	21.19	4.603	5.	5.	15.	15.
00040 WIND DIRECTION, AZIMUTH		07/21/76-07/21/76	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	07/26/77-10/24/78	2	1540.	1540.	1690.	1390.	45000.	212.132	**	**	**	**
00065 STAGE, STREAM (FEET)		04/06/70-08/04/81	74	4.005	20.421	1165.	3.48	18202.653	134.917	3.76	3.9	4.37	5.95
00068 DEPTH, MAXIMUM, OF SAMPLE (FEET)		03/17/72-12/02/75	37	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
00075 TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)		05/01/68-11/06/69	15	74.	219.84	1260.	3.6	154692.47	393.31	18.24	40.	150.	1164.
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		03/17/72-02/10/76	30	31.	218.833	5000.	7.	819666.764	905.354	9.	17.	69.	190.5
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		05/15/72-08/04/81	26	263.5	271.5	425.	234.	1664.42	40.797	237.4	242.75	284.5	322.3
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/01/68-12/02/75	72	277.5	286.569	450.	169.	2058.615	45.372	245.9	261.	300.	347.
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	02/10/76-08/04/81	25	9.4	9.624	12.7	7.4	2.049	1.432	7.76	8.5	11.	11.7
00300 OXYGEN, DISSOLVED	MG/L	04/06/70-12/02/75	54	10.15	10.387	13.7	6.	4.06	2.015	7.9	9.	12.25	13.15
00400 PH (STANDARD UNITS)		05/01/68-08/04/81	95	7.8	7.987	9.2	4.	0.39	0.625	7.5	7.7	8.5	8.7
00400 CONVERTED PH (STANDARD UNITS)		05/01/68-08/04/81	95	7.8	5.972	9.2	4.	4.496	2.12	7.5	7.7	8.5	8.7
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/01/68-08/04/81	95	0.016	1.067	100.	0.001	105.232	10.258	0.002	0.003	0.02	0.032
00403 PH, LAB, STANDARD UNITS	SU	02/10/76-02/10/76	1	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		02/10/76-02/10/76	1	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		02/10/76-02/10/76	1	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/01/68-02/10/76	71	122.	125.366	172.	92.	200.407	14.157	113.2	116.	130.	144.
00440 BICARBONATE ION (MG/L AS HCO3)		10/20/76-08/22/78	12	162.5	175.75	351.	139.	3301.477	57.458	140.5	145.25	170.25	305.1
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		05/01/68-02/10/76	47	216.	220.383	482.	146.	2381.763	48.803	181.6	198.	232.	260.
00551 HYDROCARBONS,IN WATER,IR,CCL4 EXT.CHROMAT. MG/L		04/23/80-08/04/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		03/17/72-02/10/76	30	0.01	0.017	0.06	0.	0.	0.017	0.	0.	0.023	0.04
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		05/01/68-02/10/76	61	0.43	0.469	1.37	0.005	0.126	0.356	0.006	0.14	0.775	0.916
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		04/14/71-11/15/71	8	0.035	0.163	0.61	0.	0.051	0.227	**	**	**	**
00650 PHOSPHATE, TOTAL (MG/L AS PO4)		03/17/72-02/10/76	33	0.14	0.167	0.4	0.02	0.012	0.109	0.034	0.075	0.25	0.336
00660 PHOSPHATE, ORTHO (MG/L AS PO4)		04/24/69-07/10/75	15	0.12	0.129	0.29	0.06	0.004	0.065	0.066	0.08	0.15	0.26
00665 PHOSPHORUS, TOTAL (MG/L AS P)		05/01/68-02/10/76	16	0.25	0.348	1.05	0.04	0.071	0.266	0.103	0.193	0.458	0.882
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)		04/24/69-09/08/69	6	0.12	0.115	0.15	0.06	0.001	0.03	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		04/21/72-01/10/73	8	0.085	0.09	0.13	0.029	0.001	0.035	**	**	**	**
00678 PHOSPHORUS,HYDROLYZABLE + ORTHO,TOT,AUTOANALYZER		10/24/78-10/11/79	8	0.22	0.296	0.9	0.13	0.062	0.248	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/01/68-02/10/76	70	116.5	119.257	213.	74.	359.643	18.964	103.	108.75	125.25	136.
00901 HARDNESS, CARBONATE (MG/L AS CACO3)		04/24/69-11/06/69	8	94.	94.875	119.	79.	130.982	11.445	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: MNRR0082

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00910 CALCIUM (MG/L AS CACO3)		11/13/68-12/02/75	30	39.5	42.423	101.7	26.	156.611	12.514	36.	38.	43.25	53.2
00916 CALCIUM, TOTAL (MG/L AS CA)		02/10/76-02/10/76	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00920 MAGNESIUM (MG/L AS CACO3)		03/17/72-12/02/75	32	5.	5.281	17.	0.	8.741	2.957	2.3	4.	6.75	8.
00927 MAGNESIUM, TOTAL (MG/L AS MG)		02/10/76-02/10/76	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00929 SODIUM, TOTAL (MG/L AS NA)		02/10/76-02/10/76	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		03/17/72-12/02/75	32	10.	11.906	56.	8.	68.281	8.263	8.3	9.	12.	14.4
00935 POTASSIUM, DISSOLVED (MG/L AS K)		03/17/72-12/02/75	32	6.	6.163	9.5	4.	1.43	1.196	5.	5.2	6.775	7.7
00937 POTASSIUM, TOTAL MG/L AS K)		02/10/76-02/10/76	1	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/01/68-02/10/76	70	2.	1.829	6.	0.	1.628	1.276	0.1	1.	3.	4.
00945 SULFATE, TOTAL (MG/L AS SO4)		05/01/68-02/10/76	67	22.	26.955	172.	2.	584.71	24.181	12.8	16.	29.	40.2
00951 FLUORIDE, TOTAL (MG/L AS F)		04/08/76-09/12/78	12	0.31	0.345	0.55	0.23	0.012	0.108	0.23	0.265	0.448	0.535
01005 BARIUM, DISSOLVED (UG/L AS BA)		08/14/79-08/14/79	1	90.	90.	90.	90.	0.	0.	**	**	**	**
01007 BARIUM, TOTAL (UG/L AS BA)		04/08/76-09/12/78	13	104.	110.538	221.	40.	1931.769	43.952	52.4	87.	131.5	192.6
01012 BERYLLIUM, TOTAL (UG/L AS BE)		04/08/76-10/11/79	17	0.	0.118	1.	0.	0.11	0.332	0.	0.	0.	1.
01022 BORON, TOTAL (UG/L AS B)		05/09/78-10/11/79	13	60.	67.925	153.	0.02	1445.684	38.022	16.012	42.5	94.	135.4
01037 COBALT, TOTAL (UG/L AS CO)		04/08/76-09/12/78	13	3.	3.769	25.	0.	45.692	6.76	0.	0.	4.	17.8
01062 MOLYBDENUM, TOTAL (UG/L AS MO)		04/08/76-10/11/79	15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
01067 NICKEL, TOTAL (UG/L AS NI)		04/08/76-10/11/79	25	7.	9.92	40.	0.	67.41	8.21	0.	6.5	14.5	18.8
01077 SILVER, TOTAL (UG/L AS AG)		04/08/76-10/20/76	4	0.	0.25	1.	0.	0.25	0.5	**	**	**	**
01087 VANADIUM, TOTAL (UG/L AS V)		04/08/76-10/20/76	4	0.	0.	0.	0.	0.	0.	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)		04/08/76-10/11/79	23	3160.	4024.304	16000.	80.	14868716.312	3855.997	700.2	1000.	5750.	9860.
01132 LITHIUM, TOTAL (UG/L AS LI)		04/08/76-10/11/79	25	15.	18.96	102.	10.	318.79	17.855	10.6	12.5	17.	25.2
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		02/05/74-07/10/75	9	5.	30.778	200.	0.	4180.444	64.656	0.	0.	30.	200.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		02/05/74-07/10/75	9	0.699	0.781	2.301	0.	0.727	0.853	0.	0.	1.477	2.301
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	6.046								
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L		03/17/72-12/02/75	29	222.	226.414	482.	146.	3476.394	58.961	158.	200.	241.	268.
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		04/06/70-11/15/71	17	0.1	0.101	0.36	0.03	0.006	0.076	0.038	0.05	0.115	0.192
71845 NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)		02/10/76-02/10/76	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)		02/05/74-10/11/79	37	0.	0.035	0.4	0.	0.01	0.101	0.	0.	0.	0.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: MNRR0082

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	30	12	0.40	4	1	0.25	8	2	0.25	10	6	0.60	8	3	0.38
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	25	0	0.00				1	0	0.00	11	0	0.00	13	0	0.00
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	54	0	0.00	6	0	0.00	7	0	0.00	21	0	0.00	20	0	0.00
00400 PH	Fresh Chronic	9.	95	2	0.02	6	1	0.17	7	0	0.00	39	0	0.00	43	1	0.02
	Other-Lo Lim.	6.5	95	1	0.01	6	0	0.00	7	0	0.00	39	1	0.03	43	0	0.00
00403 PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
	Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	61	0	0.00	6	0	0.00	8	0	0.00	24	0	0.00	23	0	0.00
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	8	0	0.00							3	0	0.00	5	0	0.00
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	70	0	0.00	6	0	0.00	8	0	0.00	27	0	0.00	29	0	0.00
	Drinking Water	250.	70	0	0.00	6	0	0.00	8	0	0.00	27	0	0.00	29	0	0.00
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	67	0	0.00	6	0	0.00	8	0	0.00	25	0	0.00	28	0	0.00
00951 FLUORIDE, TOTAL AS F	Drinking Water	4.	12	0	0.00							5	0	0.00	7	0	0.00
01005 BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00										1	0	0.00
01007 BARIUM, TOTAL	Drinking Water	2000.	13	0	0.00							6	0	0.00	7	0	0.00
01012 BERYLLIUM, TOTAL	Fresh Acute	130.	17	0	0.00							8	0	0.00	9	0	0.00
	Drinking Water	4.	17	0	0.00							8	0	0.00	9	0	0.00
01067 NICKEL, TOTAL	Fresh Acute	1400.	25	0	0.00							12	0	0.00	13	0	0.00
	Drinking Water	100.	25	0	0.00							12	0	0.00	13	0	0.00
01077 SILVER, TOTAL	Fresh Acute	4.1	4	0	0.00							2	0	0.00	2	0	0.00
	Drinking Water	100.	4	0	0.00							2	0	0.00	2	0	0.00
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	9	1	0.11				5	0	0.00	4	1	0.25			
71900 MERCURY, TOTAL	Fresh Acute	2.4	37	0	0.00	1	0	0.00	6	0	0.00	14	0	0.00	16	0	0.00
	Drinking Water	2.	37	0	0.00	1	0	0.00	6	0	0.00	14	0	0.00	16	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1968 - Station MNRR0082

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/01/68-12/02/75	7	276.	282.857	335.	248.	976.143	31.243	**	**	**	**
00400 PH (STANDARD UNITS)		05/01/68-08/04/81	7	7.61	7.669	8.35	7.32	0.12	0.347	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		05/01/68-08/04/81	7	7.61	7.577	8.35	7.32	0.13	0.361	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/01/68-08/04/81	7	0.025	0.026	0.048	0.004	0.	0.015	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/01/68-02/10/76	7	123.	124.429	155.	109.	217.952	14.763	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		05/01/68-02/10/76	6	0.225	0.296	0.81	0.005	0.09	0.3	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/01/68-02/10/76	7	113.	108.857	118.	96.	87.476	9.353	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/01/68-02/10/76	7	2.	2.429	3.	2.	0.286	0.535	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/01/68-02/10/76	7	18.	18.714	30.	2.	97.905	9.895	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1969 - Station MNRR0082

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/01/68-12/02/75	8	272.5	281.	325.	260.	438.	20.928	**	**	**	**
00400 PH (STANDARD UNITS)		05/01/68-08/04/81	8	7.72	7.75	8.3	7.46	0.066	0.256	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		05/01/68-08/04/81	8	7.72	7.696	8.3	7.46	0.069	0.263	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/01/68-08/04/81	8	0.019	0.02	0.035	0.005	0.	0.009	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/01/68-02/10/76	8	115.	116.875	134.	105.	88.125	9.387	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		05/01/68-02/10/76	8	0.205	0.229	0.55	0.005	0.048	0.219	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/01/68-02/10/76	8	111.	113.625	131.	101.	109.125	10.446	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/01/68-02/10/76	8	2.	1.863	4.	0.1	1.557	1.248	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/01/68-02/10/76	8	25.	25.75	41.	17.	55.357	7.44	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1970 - Station MNRR0082

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/06/70-08/04/81	9	20.	17.002	29.	0.02	91.713	9.577	0.02	9.95	25.35	29.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/01/68-12/02/75	9	280.	278.333	314.	245.	404.	20.1	245.	265.	290.5	314.
00400 PH (STANDARD UNITS)		05/01/68-08/04/81	9	7.7	7.756	8.7	7.5	0.14	0.375	7.5	7.5	7.8	8.7
00400 CONVERTED PH (STANDARD UNITS)		05/01/68-08/04/81	9	7.7	7.667	8.7	7.5	0.149	0.386	7.5	7.5	7.8	8.7
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/01/68-08/04/81	9	0.02	0.022	0.032	0.002	0.	0.01	0.002	0.016	0.032	0.032
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/01/68-02/10/76	9	118.	127.111	161.	113.	360.861	18.996	113.	115.	142.	161.
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		05/01/68-02/10/76	9	0.2	0.285	0.69	0.005	0.077	0.278	0.005	0.005	0.565	0.69
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/01/68-02/10/76	9	111.	113.556	129.	103.	101.028	10.051	103.	104.5	124.5	129.
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/01/68-02/10/76	9	1.	1.322	2.	0.4	0.444	0.667	0.4	0.75	2.	2.
00945 SULFATE, TOTAL (MG/L AS SO4)		05/01/68-02/10/76	9	28.	26.111	47.	16.	99.361	9.968	16.	17.5	31.	47.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station MNRR0082

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/01/68-12/02/75	8	262.	267.	290.	244.	241.429	15.538	**	**	**	**
00400 PH (STANDARD UNITS)		05/01/68-08/04/81	8	7.75	7.7	8.	7.2	0.054	0.233	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		05/01/68-08/04/81	8	7.747	7.634	8.	7.2	0.059	0.243	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/01/68-08/04/81	8	0.018	0.023	0.063	0.01	0.	0.017	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/01/68-02/10/76	8	121.	124.375	141.	114.	79.411	8.911	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/01/68-02/10/76	8	121.5	123.	136.	112.	72.	8.485	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/01/68-02/10/76	8	2.	1.875	4.	0.	2.411	1.553	**	**	**	**

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Annual Analysis for 1971 - Station MNRR0082

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945 SULFATE, TOTAL (MG/L AS SO4)	05/01/68-02/10/76	8	36.	44.	112.	9.	1412.286	37.58	**	**	**	**

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Annual Analysis for 1972 - Station MNRR0082

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/70-08/04/81	7	6.7	10.314	23.	0.5	80.158	8.953	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/01/68-12/02/75	7	280.	319.429	450.	261.	6608.952	81.295	**	**	**	**
00400 PH (STANDARD UNITS)	05/01/68-08/04/81	7	8.3	7.629	8.5	4.	2.646	1.627	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	05/01/68-08/04/81	7	8.3	4.845	8.5	4.	11.686	3.418	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/68-08/04/81	7	0.005	14.292	100.	0.003	1428.356	37.794	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	05/01/68-02/10/76	8	126.	130.625	172.	114.	382.554	19.559	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	05/01/68-02/10/76	7	0.7	0.739	1.37	0.27	0.136	0.369	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	05/01/68-02/10/76	7	110.	124.	172.	100.	773.667	27.815	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	05/01/68-02/10/76	7	3.	3.	6.	1.	2.667	1.633	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	05/01/68-02/10/76	5	23.	24.	36.	10.	131.5	11.467	**	**	**	**

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Annual Analysis for 1973 - Station MNRR0082

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/70-08/04/81	12	10.5	11.417	29.5	0.	119.538	10.933	0.15	1.125	18.75	29.35
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/01/68-12/02/75	12	300.	309.25	400.	250.	2365.841	48.64	250.	267.75	351.25	392.5
00400 PH (STANDARD UNITS)	05/01/68-08/04/81	12	8.15	8.167	8.7	7.5	0.15	0.387	7.59	7.85	8.6	8.7
00400 CONVERTED PH (STANDARD UNITS)	05/01/68-08/04/81	12	8.147	8.019	8.7	7.5	0.174	0.417	7.59	7.85	8.6	8.7
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/68-08/04/81	12	0.007	0.01	0.032	0.002	0.	0.008	0.002	0.003	0.014	0.027
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	05/01/68-02/10/76	10	130.	135.7	170.	120.	211.567	14.545	120.4	127.	144.25	167.5
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	05/01/68-02/10/76	10	0.66	0.631	1.14	0.12	0.11	0.332	0.123	0.368	0.857	1.123
00900 HARDNESS, TOTAL (MG/L AS CACO3)	05/01/68-02/10/76	10	129.	141.2	213.	120.	805.956	28.389	120.3	124.5	148.25	208.1
00940 CHLORIDE,TOTAL IN WATER MG/L	05/01/68-02/10/76	10	2.	1.89	4.	0.	2.737	1.654	0.01	0.25	3.25	4.
00945 SULFATE, TOTAL (MG/L AS SO4)	05/01/68-02/10/76	9	24.	42.556	172.	20.	2396.028	48.949	20.	22.5	36.5	172.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station MNRR0082

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/70-08/04/81	11	9.	11.455	27.5	0.	115.173	10.732	0.	2.5	25.5	27.2
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/01/68-12/02/75	11	290.	278.545	375.	169.	3037.273	55.111	180.2	240.	300.	368.
00400 PH (STANDARD UNITS)	05/01/68-08/04/81	11	8.7	8.573	9.	8.1	0.088	0.297	8.1	8.2	8.7	8.94
00400 CONVERTED PH (STANDARD UNITS)	05/01/68-08/04/81	11	8.7	8.471	9.	8.1	0.1	0.315	8.1	8.2	8.7	8.94
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/68-08/04/81	11	0.002	0.003	0.008	0.001	0.	0.003	0.001	0.002	0.006	0.008
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	05/01/68-02/10/76	10	123.	120.2	130.	92.	115.067	10.727	94.4	117.5	126.	129.6
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	05/01/68-02/10/76	10	0.365	0.496	1.25	0.02	0.156	0.396	0.023	0.215	0.788	1.215
00900 HARDNESS, TOTAL (MG/L AS CACO3)	05/01/68-02/10/76	10	117.	113.5	131.	74.	262.278	16.195	76.9	107.5	125.25	130.5
00940 CHLORIDE,TOTAL IN WATER MG/L	05/01/68-02/10/76	10	1.	1.4	4.	0.	1.378	1.174	0.	0.75	2.	3.8
00945 SULFATE, TOTAL (MG/L AS SO4)	05/01/68-02/10/76	10	19.5	20.	30.	13.	33.333	5.774	13.	15.25	23.5	29.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station MNRR0082

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/70-08/04/81	10	6.25	9.1	27.	0.	112.1	10.588	0.	0.	16.375	26.8
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/01/68-12/02/75	10	275.	275.3	350.	200.	1837.567	42.867	204.	247.5	306.25	347.5
00400 PH (STANDARD UNITS)	05/01/68-08/04/81	10	8.7	8.69	9.2	8.4	0.043	0.208	8.41	8.575	8.7	9.15
00400 CONVERTED PH (STANDARD UNITS)	05/01/68-08/04/81	10	8.7	8.653	9.2	8.4	0.045	0.212	8.41	8.575	8.7	9.15
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/68-08/04/81	10	0.002	0.002	0.004	0.001	0.	0.001	0.001	0.002	0.003	0.004
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	05/01/68-02/10/76	10	123.	123.4	144.	112.	86.267	9.288	112.2	115.5	128.5	142.6
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	05/01/68-02/10/76	10	0.52	0.518	0.92	0.01	0.123	0.351	0.016	0.228	0.863	0.918
00900 HARDNESS, TOTAL (MG/L AS CACO3)	05/01/68-02/10/76	10	114.5	114.7	136.	98.	102.9	10.144	98.7	108.75	120.25	134.5
00940 CHLORIDE,TOTAL IN WATER MG/L	05/01/68-02/10/76	10	1.	1.23	2.	0.	0.551	0.742	0.03	0.825	2.	2.
00945 SULFATE, TOTAL (MG/L AS SO4)	05/01/68-02/10/76	10	14.	15.8	23.	12.	13.956	3.736	12.	12.75	18.5	22.7

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station MNRR0082

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/70-08/04/81	5	7.8	13.06	32.	3.	130.568	11.427	**	**	**	**
00400 PH (STANDARD UNITS)	05/01/68-08/04/81	3	8.	8.133	8.7	7.7	0.263	0.513	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	05/01/68-08/04/81	3	8.	7.973	8.7	7.7	0.302	0.55	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/68-08/04/81	3	0.01	0.011	0.02	0.002	0.	0.009	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	05/01/68-02/10/76	1	118.	118.	118.	118.	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	05/01/68-02/10/76	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	05/01/68-02/10/76	1	109.	109.	109.	109.	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	05/01/68-02/10/76	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	05/01/68-02/10/76	1	21.	21.	21.	21.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station MNRR0082

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/70-08/04/81	4	21.	18.625	25.5	7.	68.729	8.29	**	**	**	**
00400 PH (STANDARD UNITS)	05/01/68-08/04/81	4	7.65	7.575	7.7	7.3	0.036	0.189	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	05/01/68-08/04/81	4	7.647	7.541	7.7	7.3	0.037	0.193	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/68-08/04/81	4	0.023	0.029	0.05	0.02	0.	0.014	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station MNRR0082

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/70-08/04/81	7	24.	20.071	31.	4.	93.202	9.654	**	**	**	**
00400 PH (STANDARD UNITS)	05/01/68-08/04/81	7	7.7	7.671	7.9	7.4	0.032	0.18	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	05/01/68-08/04/81	7	7.7	7.639	7.9	7.4	0.034	0.183	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/68-08/04/81	7	0.02	0.023	0.04	0.013	0.	0.01	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station MNRR0082

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/70-08/04/81	5	22.	19.5	30.5	9.5	77.875	8.825	**	**	**	**
00400 PH (STANDARD UNITS)	05/01/68-08/04/81	5	7.8	7.72	7.9	7.4	0.037	0.192	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	05/01/68-08/04/81	5	7.8	7.682	7.9	7.4	0.039	0.197	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/68-08/04/81	5	0.016	0.021	0.04	0.013	0.	0.011	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station MNRR0082

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/70-08/04/81	2	23.75	23.75	26.	21.5	10.125	3.182	**	**	**	**
00400 PH (STANDARD UNITS)	05/01/68-08/04/81	2	8.	8.	8.1	7.9	0.02	0.141	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	05/01/68-08/04/81	2	7.989	7.989	8.1	7.9	0.02	0.142	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/68-08/04/81	2	0.01	0.01	0.013	0.008	0.	0.003	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station MNRR0082

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/70-08/04/81	2	25.5	25.5	30.5	20.5	50.	7.071	**	**	**	**
00400 PH (STANDARD UNITS)	05/01/68-08/04/81	2	8.05	8.05	8.3	7.8	0.125	0.354	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	05/01/68-08/04/81	2	7.982	7.982	8.3	7.8	0.134	0.367	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/68-08/04/81	2	0.01	0.01	0.016	0.005	0.	0.008	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 11/20 to 1/14 - Station MNRR0082

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/70-08/04/81	6	0.5	0.583	1.5	0.	0.342	0.585	**	**	**	**
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/13/70-08/04/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00065 STAGE, STREAM (FEET)	04/06/70-08/04/81	5	5.	4.8	5.6	4.1	0.365	0.604	**	**	**	**
00400 PH (STANDARD UNITS)	05/01/68-08/04/81	6	8.7	8.467	9.2	7.5	0.371	0.609	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	05/01/68-08/04/81	6	8.7	8.095	9.2	7.5	0.537	0.733	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/68-08/04/81	6	0.002	0.008	0.032	0.001	0.	0.012	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 3/14 - Station MNRR0082

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/70-08/04/81	8	0.5	1.	3.	0.	1.429	1.195	**	**	**	**
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/13/70-08/04/81	4	5.5	9.75	27.	1.	144.917	12.038	**	**	**	**
00065 STAGE, STREAM (FEET)	04/06/70-08/04/81	8	5.95	5.674	6.5	4.2	0.746	0.864	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/15/72-08/04/81	1	330.	330.	330.	330.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	05/01/68-08/04/81	7	8.7	8.614	8.7	8.1	0.051	0.227	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	05/01/68-08/04/81	7	8.7	8.546	8.7	8.1	0.057	0.238	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/68-08/04/81	7	0.002	0.003	0.008	0.002	0.	0.002	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 7/14 - Station MNRR0082

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/70-08/04/81	30	17.	17.087	30.5	0.	73.13	8.552	4.27	10.	24.5	28.85
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/13/70-08/04/81	29	20.	19.338	31.5	1.	82.878	9.104	7.5	12.35	28.	30.6
00065 STAGE, STREAM (FEET)	04/06/70-08/04/81	32	4.	41.146	1165.	3.48	42079.653	205.133	3.7	3.86	4.26	4.749
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/15/72-08/04/81	12	277.5	292.583	425.	239.	2186.083	46.756	246.5	267.5	300.	393.2
00400 PH (STANDARD UNITS)	05/01/68-08/04/81	39	7.8	7.872	8.7	4.	0.539	0.734	7.5	7.7	8.2	8.7
00400 CONVERTED PH (STANDARD UNITS)	05/01/68-08/04/81	39	7.8	5.589	8.7	4.	5.89	2.427	7.5	7.7	8.2	8.7
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/68-08/04/81	39	0.016	2.578	100.	0.002	256.338	16.011	0.002	0.006	0.02	0.032

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 7/15 to 11/19 - Station MNRR0082

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/70-08/04/81	30	18.75	17.714	32.	0.02	89.893	9.481	5.	8.975	25.625	30.4
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/13/70-08/04/81	28	21.5	19.543	34.5	0.5	113.491	10.653	2.91	9.9	29.25	32.6
00065 STAGE, STREAM (FEET)	04/06/70-08/04/81	29	4.	4.315	13.6	3.5	3.222	1.795	3.75	3.89	4.1	4.34
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/15/72-08/04/81	13	246.	247.538	269.	234.	111.936	10.58	234.8	239.5	254.5	266.6
00400 PH (STANDARD UNITS)	05/01/68-08/04/81	43	7.8	7.923	9.	7.2	0.22	0.469	7.382	7.6	8.3	8.7
00400 CONVERTED PH (STANDARD UNITS)	05/01/68-08/04/81	43	7.8	7.732	9.	7.2	0.257	0.507	7.382	7.6	8.3	8.7
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/68-08/04/81	43	0.016	0.019	0.063	0.001	0.	0.015	0.002	0.005	0.025	0.042

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Station Inventory for Station: MNRR0083

NPS Station ID: MNRR0083 LAT/LON: 42.741254/ -98.212503 Agency: 1117MBR Date Created: 11/14/81
Location: NIOBRARA RIVER SOUTH OF VERDEL, NEBRASKA. FIPS State/County: 31107 NEBRASKA/KNOX
Station Type: /TYPA/AMBNT/FISH/STREAM STORET Station ID(s): 006004
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 10150007 Depth of Water: 0 Aquifer:
Major Basin: MISSOURI Elevation: 0 Water Body Id:
Minor Basin: NIOBRARA ECO Region:
RF1 Index: 10150007002 RF1 Mile Point: 10.220 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 10150007003100.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
COUNTY: KNOX CITY: VERDEL LAMS STATION CODE: 62000000 NIOBRARA RIVER 6.2 MILES SOUTH OF VERDEL AT PISHELVILLE BRIDGE
PREPARED BY B. LITTELL 11-2-81

Parameter Inventory for Station: MNRR0083

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023 SAMPLE WEIGHT IN POUNDS	09/22/81-08/21/83	29	0.11	0.218	1.25	0.05	0.068	0.261	0.05	0.075	0.2	0.5
00024 SAMPLE LENGTH IN INCHES	09/22/81-08/21/83	29	6.7	6.621	11.2	3.5	2.823	1.68	4.7	5.3	7.35	8.5
01004 ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	09/22/81-08/20/92	4##	0.08	0.109	0.25	0.025	0.01	0.101	**	**	**	**
01069 NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	09/22/81-08/21/83	3	0.32	0.297	0.34	0.23	0.003	0.059	**	**	**	**
01099 ANTIMONY,TISSUE,WET WEIGHT,MG/KG	09/22/81-08/21/83	3##	0.25	0.208	0.25	0.125	0.005	0.072	**	**	**	**
01149 SELENIUM, TOTAL IN FISH OR ANIMALS WET WGT MG/KG	09/22/81-08/21/83	3	1.19	1.347	1.86	0.99	0.208	0.456	**	**	**	**
34204 ACENAPHTHYLENE WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.2	0.177	0.23	0.1	0.005	0.068	**	**	**	**
34209 ACENAPHTHENE WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.22	0.207	0.3	0.1	0.01	0.101	**	**	**	**
34214 ACROLEIN WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.05	0.039	0.06	0.006	0.001	0.029	**	**	**	**
34219 ACRYLONITRILE WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.011	0.041	0.1	0.011	0.003	0.051	**	**	**	**
34224 ANTHRACENE WET WGTTISMG/KG	10/26/82-08/21/83	2##	0.4	0.4	0.5	0.3	0.02	0.141	**	**	**	**
34234 BENZO(B)FLUORANTHENE,TISSUE,WET WGT,MG/KG	09/22/81-08/21/83	3##	2.	1.667	2.	1.	0.333	0.577	**	**	**	**
34238 BENZENE WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.025	0.018	0.029	0.001	0.	0.015	**	**	**	**
34241 BENZIDINE WET WGTTISMG/KG	09/22/81-08/21/83	2##	3.25	3.25	4.	2.5	1.125	1.061	**	**	**	**
34246 BENZO(K)FLUORANTHENE, WET WT, TISSUE MG/KG	10/26/82-08/21/83	2##	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
34251 BENZO-A-PYRENE WET WGTTISMG/KG	09/22/81-08/21/83	3##	1.	0.767	1.	0.3	0.163	0.404	**	**	**	**
34252 BERYLLIUM WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
34258 B-BHC-BETA WET WGTTISMG/KG	09/22/81-08/20/92	4##	0.002	0.002	0.005	0.001	0.	0.002	**	**	**	**
34263 DELTA BENZENE HEXACHLORIDE WET WGTTISMG/KG	09/22/81-08/21/83	2##	0.007	0.007	0.013	0.001	0.	0.008	**	**	**	**
34277 BIS (2-CHLOROETHYL) ETHER WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.4	0.533	1.	0.2	0.173	0.416	**	**	**	**
34282 BIS (2-CHLOROETHOXY) METHANE WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.3	0.4	0.8	0.1	0.13	0.361	**	**	**	**
34287 BIS (2-CHLOROISOPROPYL) ETHER WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.3	1.217	3.2	0.15	2.956	1.719	**	**	**	**
34291 BROMOFORM WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.005	0.012	0.028	0.003	0.	0.014	**	**	**	**
34296 N-BUTYL BENZYL PHTHALATE,TISSUE,WET WGT,MG/KG	09/22/81-08/21/83	3##	0.3	0.317	0.5	0.15	0.031	0.176	**	**	**	**
34300 CARBON TETRACHLORIDE WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.002	0.003	0.005	0.002	0.	0.002	**	**	**	**
34305 CHLOROBENZENE WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.008	0.011	0.025	0.001	0.	0.012	**	**	**	**
34310 CHLORODIBROMOMETHANE WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.002	0.003	0.005	0.002	0.	0.002	**	**	**	**
34315 CHLOROETHANE WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.007	0.021	0.05	0.007	0.001	0.025	**	**	**	**
34319 CHLOROFORM WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.001	0.002	0.005	0.001	0.	0.002	**	**	**	**
34324 CHRYSENE WET WGTTISMG/KG	09/22/81-08/21/83	3##	1.	1.133	1.8	0.6	0.373	0.611	**	**	**	**
34331 DICHLOROBROMOMETHANE WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.001	0.002	0.005	0.001	0.	0.002	**	**	**	**
34335 DICHLORODIFLUOROMETHANE WET WGTTISMG/KG	09/22/81-09/22/81	1##	0.012	0.012	0.012	0.012	0.	0.	**	**	**	**
34340 DIETHYL PHTHALATE WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.14	0.18	0.3	0.1	0.011	0.106	**	**	**	**

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Parameter Inventory for Station: MNRR0083

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34341	DIMETHYL PHTHALATE	TOTWUG/L	10/26/82-10/26/82	1##	2.	2.	2.	2.	0.	0.	**	**	**	**
34345	DIMETHYL PHTHALATE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.1	0.123	0.2	0.07	0.005	0.068	**	**	**	**
34350	1,2-DIPHENYLHYDRAZINE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.5	0.65	1.2	0.25	0.243	0.492	**	**	**	**
34355	ENDOSULFAN SULFATE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.04	0.048	0.1	0.005	0.002	0.048	**	**	**	**
34360	ENDOSULFAN, BETA	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.017	0.021	0.043	0.003	0.	0.02	**	**	**	**
34363	ENDOSULFAN, ALPHA	SUSPUG/L	10/26/82-10/26/82	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34365	ENDOSULFAN, ALPHA	WET WGTTISMG/KG	09/22/81-08/20/92	4##	0.006	0.009	0.025	0.001	0.	0.011	**	**	**	**
34370	ENDRIN ALDEHYDE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.04	0.048	0.1	0.004	0.002	0.048	**	**	**	**
34375	ETHYLBENZENE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.002	0.009	0.025	0.002	0.	0.014	**	**	**	**
34380	FLUORANTHENE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.4	0.333	0.4	0.2	0.013	0.115	**	**	**	**
34385	FLUORENE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.19	0.213	0.3	0.15	0.006	0.078	**	**	**	**
34390	HEXACHLOROCYCLOPENTADIENE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.3	0.34	0.5	0.22	0.021	0.144	**	**	**	**
34395	HEXACHLOROBUTADIENE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.2	0.23	0.4	0.09	0.025	0.157	**	**	**	**
34400	HEXACHLOROETHANE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.2	0.243	0.4	0.13	0.02	0.14	**	**	**	**
34407	INDENO (1,2,3-CD) PYRENE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.3	0.517	1.	0.25	0.176	0.419	**	**	**	**
34412	ISOPHORONE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.25	0.483	1.	0.2	0.201	0.448	**	**	**	**
34417	METHYL BROMIDE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.011	0.041	0.1	0.011	0.003	0.051	**	**	**	**
34422	METHYL CHLORIDE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.006	0.021	0.05	0.006	0.001	0.025	**	**	**	**
34427	METHYLENE CHLORIDE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.05	0.034	0.05	0.002	0.001	0.028	**	**	**	**
34432	N-NITROSODI-N-PROPYLAMINE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.8	1.1	2.	0.5	0.63	0.794	**	**	**	**
34437	N-NITROSODIPHENYLAMINE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.32	0.357	0.5	0.25	0.017	0.129	**	**	**	**
34446	NAPHTHALENE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.21	0.22	0.3	0.15	0.006	0.075	**	**	**	**
34451	NITROBENZENE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.3	0.253	0.31	0.15	0.008	0.09	**	**	**	**
34456	PARACHLOROMETA CRESOL	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.5	0.59	1.	0.27	0.139	0.373	**	**	**	**
34465	PHENANTHRENE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.5	0.667	1.2	0.3	0.223	0.473	**	**	**	**
34468	PHENOL	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.2	0.243	0.4	0.13	0.02	0.14	**	**	**	**
34473	PYRENE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.4	0.333	0.4	0.2	0.013	0.115	**	**	**	**
34474	SILVER	WET WGTTISMG/KG	09/22/81-10/26/82	2##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
34479	TETRACHLOROETHYLENE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.002	0.003	0.005	0.002	0.	0.002	**	**	**	**
34484	TOLUENE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.004	0.01	0.025	0.001	0.	0.013	**	**	**	**
34492	TRICHLOROFLUOROMETHANE	WET WGTTISMG/KG	09/22/81-09/22/81	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34500	1,1-DICHLOROETHANE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.002	0.003	0.005	0.002	0.	0.002	**	**	**	**
34505	1,1-DICHLOROETHYLENE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.001	0.002	0.005	0.001	0.	0.002	**	**	**	**
34510	1,1,1-TRICHLOROETHANE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.003	0.003	0.005	0.003	0.	0.001	**	**	**	**
34515	1,1,2-TRICHLOROETHANE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.002	0.003	0.005	0.002	0.	0.002	**	**	**	**
34520	1,1,2,2-TETRACHLOROETHANE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.005	0.006	0.01	0.002	0.	0.004	**	**	**	**
34525	BENZO(GHI)PERYLENE1,12-BENZOPERYLEN	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.24	0.48	1.	0.2	0.203	0.451	**	**	**	**
34530	BENZO(A)ANTHRACENE1,2-BENZANTHRACEN	WET WGTTISMG/KG	10/26/82-08/21/83	2##	0.8	0.8	1.	0.6	0.08	0.283	**	**	**	**
34535	1,2-DICHLOROETHANE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.002	0.003	0.005	0.002	0.	0.002	**	**	**	**
34540	1,2-DICHLOROBENZENE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
34545	1,2-DICHLOROPROPANE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.001	0.002	0.005	0.001	0.	0.002	**	**	**	**
34550	TRANS-1,2-DICHLOROETHENE, IN TISSUE,	WET WT. MG/KG	09/22/81-08/21/83	3##	0.002	0.003	0.005	0.002	0.	0.002	**	**	**	**
34555	1,2,4-TRICHLOROBENZENE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.18	0.277	0.5	0.15	0.038	0.194	**	**	**	**
34560	1,2,5,6-DIBENZANTHRACENE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.7	0.807	1.5	0.22	0.418	0.647	**	**	**	**
34570	1,3-DICHLOROBENZENE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
34575	1,4-DICHLOROBENZENE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
34580	2-CHLOROETHYL VINYL ETHER	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.009	0.039	0.1	0.009	0.003	0.053	**	**	**	**
34585	2-CHLORONAPHTHALENE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.22	0.223	0.3	0.15	0.006	0.075	**	**	**	**
34590	2-CHLOROPHENOL	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.23	0.277	0.4	0.2	0.012	0.108	**	**	**	**
34595	2-NITROPHENOL	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.85	0.783	1.	0.5	0.066	0.257	**	**	**	**
34600	DI-N-OCTYL PHTHALATE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.26	0.253	0.4	0.1	0.023	0.15	**	**	**	**
34605	2,4-DICHLOROPHENOL	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.5	0.667	1.	0.5	0.083	0.289	**	**	**	**
34610	2,4-DIMETHYLPHENOL	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.3	0.32	0.5	0.16	0.029	0.171	**	**	**	**
34615	2,4-DINITROTOLUENE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.4	0.54	1.	0.22	0.167	0.408	**	**	**	**
34620	2,4-DINITROPHENOL	WET WGTTISMG/KG	09/22/81-08/21/83	3##	3.3	3.267	5.	1.5	3.063	1.75	**	**	**	**
34625	2,4,6-TRICHLOROPHENOL	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.5	0.61	1.	0.33	0.121	0.348	**	**	**	**
34630	2,6-DINITROTOLUENE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.4	0.53	1.	0.19	0.177	0.42	**	**	**	**
34635	3,3'-DICHLOROBENZIDINE	WET WGTTISMG/KG	09/22/81-08/21/83	3##	2.5	2.833	4.	2.	1.083	1.041	**	**	**	**
34640	4-BROMOPHENYL PHENYL ETHER	WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.4	0.54	1.	0.22	0.167	0.408	**	**	**	**
34645	4-CHLOROPHENYL PHENYL ETHER	WET WGTTISMG/KG	09/22/81-08/21/83	3##	1.	2.167	5.	0.5	6.083	2.466	**	**	**	**
34650	4-NITROPHENOL	WET WGTTISMG/KG	10/26/82-08/21/83	2##	3.	3.	4.	2.	2.	1.414	**	**	**	**
34661	DNOC (4,6-DINITRO-ORTHO-CRESOL)	WET WGTTISMG/KG	09/22/81-08/21/83	3##	1.7	1.9	3.	1.	1.03	1.015	**	**	**	**
34664	PCB - 1221	WET WGTTISMG/KG	09/22/81-08/20/92	4##	0.045	0.068	0.15	0.03	0.003	0.057	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: MNRR0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34667	PCB - 1232 WET WGTTISMG/KG	09/22/81-08/20/92	4##	0.012	0.017	0.035	0.01	0.	0.012	**	**	**	**
34669	PCB - 1248 WET WGTTISMG/KG	09/22/81-08/20/92	4##	0.048	0.065	0.15	0.014	0.004	0.06	**	**	**	**
34670	PCB - 1260 WET WGTTISMG/KG	09/22/81-08/20/92	4##	0.055	0.092	0.25	0.006	0.013	0.114	**	**	**	**
34674	PCB - 1016 WET WGTTISMG/KG	09/22/81-08/20/92	4##	0.038	0.053	0.1	0.035	0.001	0.032	**	**	**	**
34679	2,3,7,8-TETRACHLORODIBENZO-P-DIOXINWET WGTTISMG/KG	09/22/81-10/26/82	2##	0.035	0.035	0.05	0.02	0.	0.021	**	**	**	**
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	09/22/81-08/20/92	4##	0.006	0.008	0.023	0.	0.	0.01	**	**	**	**
34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	10/26/82-08/20/92	3##	0.015	0.025	0.056	0.004	0.001	0.027	**	**	**	**
34683	DI-N-BUTYL PHTHALATE,TISSUE,WET WGTWET WGT	09/22/81-08/21/83	3##	0.28	0.343	0.5	0.25	0.019	0.137	**	**	**	**
34685	ENDRIN WET WGTTISMG/KG	09/22/81-08/20/92	4##	0.01	0.016	0.043	0.002	0.	0.019	**	**	**	**
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	09/22/81-08/20/92	4##	0.017	0.028	0.075	0.003	0.001	0.034	**	**	**	**
34687	HEPTACHLOR WET WGTTISMG/KG	09/22/81-08/20/92	4##	0.003	0.004	0.01	0.001	0.	0.004	**	**	**	**
34688	HEXACHLOROBENZENE WET WGTTISMG/KG	09/22/81-08/20/92	4##	0.315	0.408	1.	0.001	0.183	0.427	**	**	**	**
34689	PCB - 1242 WET WGTTISMG/KG	09/22/81-08/20/92	4##	0.038	0.046	0.1	0.01	0.001	0.038	**	**	**	**
34690	PCB - 1254 WET WGTTISMG/KG	09/22/81-08/20/92	4##	0.06	0.084	0.2	0.014	0.007	0.082	**	**	**	**
34691	TOXAPHENE WET WGTTISMG/KG	09/22/81-08/20/92	4##	0.675	1.155	3.25	0.02	2.306	1.519	**	**	**	**
34692	TRICHLOROETHYLENE WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.002	0.003	0.005	0.002	0.	0.002	**	**	**	**
34693	VINYL CHLORIDE WET WGTTISMG/KG	09/22/81-08/21/83	3##	0.007	0.021	0.05	0.007	0.001	0.025	**	**	**	**
34698	TRANS-1,3-DICHLOROPROPENEFISH TISSUE WET WGT MG/KG	09/22/81-08/21/83	3##	0.002	0.003	0.005	0.002	0.	0.002	**	**	**	**
34703	CIS-1,3-DICHLOROPROPENE FISH TISSUE WET WGT MG/KG	09/22/81-08/21/83	3##	0.002	0.003	0.005	0.002	0.	0.002	**	**	**	**
39060	PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	09/22/81-08/21/83	3##	1.4	1.717	3.	0.75	1.341	1.158	**	**	**	**
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	09/22/81-08/20/92	4##	0.006	0.01	0.025	0.001	0.	0.011	**	**	**	**
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	09/22/81-08/20/92	4##	0.006	0.01	0.025	0.001	0.	0.011	**	**	**	**
39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	09/22/81-08/20/92	4##	0.007	0.01	0.025	0.001	0.	0.011	**	**	**	**
39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	09/22/81-08/20/92	4##	0.005	0.008	0.02	0.002	0.	0.008	**	**	**	**
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	09/22/81-08/20/92	4##	0.002	0.002	0.005	0.	0.	0.002	**	**	**	**
39099	BIS(2-ETHYLHEXYL)PHTHALATE,TISSUE,WET WGT,MG/KG	09/22/81-08/21/83	3##	0.95	0.783	1.	0.4	0.111	0.333	**	**	**	**
39105	PERCENT FAT HEXANE EXTRACTION	09/22/81-08/20/92	3	4.5	4.133	5.	2.9	1.203	1.097	**	**	**	**
39302	P P DDT IN TISSUE WET WGT (UG/G)	09/22/81-08/20/92	4##	0.015	0.024	0.065	0.001	0.001	0.029	**	**	**	**
39307	O P DDT IN TISSUE WET WGT (UG/G)	09/22/81-08/21/83	3##	0.01	0.013	0.025	0.005	0.	0.01	**	**	**	**
39312	P P DDD IN TISSUE WET WGT (UG/G)	09/22/81-08/20/92	4##	0.005	0.008	0.02	0.003	0.	0.008	**	**	**	**
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	09/22/81-08/20/92	4##	0.009	0.014	0.03	0.007	0.	0.011	**	**	**	**
39325	O,P DDD IN TISSUE WET WGT (UG/G)	09/22/81-08/21/83	3##	0.02	0.025	0.05	0.004	0.001	0.023	**	**	**	**
39329	O,P DDE IN TISSUE, WET WGT(UG/G)	09/22/81-08/21/83	3##	0.01	0.015	0.025	0.01	0.	0.009	**	**	**	**
39346	METOLACHLOR IN TISSUES WETWTMG/KG	08/20/92-08/20/92	1##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	09/22/81-08/20/92	4##	0.01	0.013	0.03	0.004	0.	0.012	**	**	**	**
39482	METHOXYCHLOR IN FISH - UG/KG	09/22/81-10/26/82	2##	0.175	0.175	0.25	0.1	0.011	0.106	**	**	**	**
39534	MALATHION IN TISSUE WET WEIGHT MG/KG	09/22/81-08/21/83	3##	0.05	0.067	0.125	0.025	0.003	0.052	**	**	**	**
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	09/22/81-08/20/92	4##	0.001	0.001	0.003	0.001	0.	0.001	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/22/81-08/20/92	4	0.01	0.031	0.1	0.005	0.002	0.046	**	**	**	**
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/22/81-08/20/92	4##	0.25	0.2	0.25	0.05	0.01	0.1	**	**	**	**
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/22/81-08/21/83	3	0.64	0.643	0.66	0.63	0.	0.015	**	**	**	**
71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/22/81-08/21/83	3	18.4	18.833	21.6	16.5	6.643	2.577	**	**	**	**
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	09/22/81-08/20/92	4	0.385	0.338	0.53	0.05	0.042	0.204	**	**	**	**
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/22/81-08/20/92	4	0.12	0.118	0.17	0.06	0.002	0.045	**	**	**	**
78457	CHLORDENE, ALPHA-, FISH TISSUE, WET WEIGHT, MG/KG	08/20/92-08/20/92	1##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
78458	CHLORDENE, BETA-, FISH TISSUE, WET WEIGHT, MG/KG	08/20/92-08/20/92	1##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
78459	CHLORDENE, GAMMA-, FISH TISSUE, WET WEIGHT, MG/KG	08/20/92-08/20/92	1##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
79006	CHLORDENE IN FISH UG/KG	08/20/92-08/20/92	1##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	09/22/81-08/20/92	4	7.5	8.5	14.	5.	19.	4.359	**	**	**	**
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	09/22/81-08/20/92	4	1.	1.	1.	1.	0.	0.	**	**	**	**
81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	08/21/83-08/21/83	1##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	09/22/81-08/21/83	3##	0.05	0.06	0.125	0.005	0.004	0.061	**	**	**	**
81652	TREFLAN IN FISH TISSUE WET WEIGHT MG/KG	08/20/92-08/20/92	1##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
81656	MAGNESIUM IN FISH TISSUE WET WEIGHT MG/KG	09/22/81-08/21/83	3	419.	418.	447.	388.	871.	29.513	**	**	**	**
81658	BARIUM IN FISH TISSUE WET WEIGHT MG/KG	09/22/81-08/20/92	4	14.045	14.323	28.9	0.3	152.143	12.335	**	**	**	**
81659	COBALT IN FISH TISSUE WET WEIGHT MG/KG	10/26/82-08/21/83	2	0.106	0.106	0.121	0.09	0.	0.022	**	**	**	**
81660	IRON IN FISH TISSUE WET WEIGHT MG/KG	09/22/81-08/21/83	3	67.8	76.667	104.	58.2	583.373	24.153	**	**	**	**
81662	MOLYBDENUM IN FISH TISSUE WET WEIGHT MG/KG	10/26/82-08/21/83	2##	0.081	0.081	0.136	0.025	0.006	0.078	**	**	**	**
81664	TITANIUM IN FISH TISSUE WET WEIGHT MG/KG	10/26/82-10/26/82	1	1.78	1.78	1.78	1.78	0.	0.	**	**	**	**
81665	VANADIUM IN FISH TISSUE WET WEIGHT MG/KG	10/26/82-08/21/83	2	0.32	0.32	0.343	0.297	0.001	0.033	**	**	**	**
81666	ALUMINUM IN FISH TISSUE WET WEIGHT MG/KG	09/22/81-08/21/83	3	54.3	67.933	106.	43.5	1115.963	33.406	**	**	**	**
81741	MANGANESE IN FISH TISSUE WET WEIGHT MG/KG	09/22/81-08/21/83	3	9.8	11.807	16.8	8.82	18.94	4.352	**	**	**	**
81742	SILVER IN FISH TISSUE WET WEIGHT (MG/KG)PPM	08/21/83-08/21/83	1##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: MNRR0083

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81802 GUTHION IN FISH TISSUE.WET WEIGHT MG/KG	09/22/81-08/21/83	3##	20.	23.333	30.	20.	33.333	5.774	**	**	**	**
81807 DURSBAN IN FISH TISSUE WET WEIGHT MG/KG	09/22/81-08/21/83	3##	0.02	0.028	0.05	0.015	0.	0.019	**	**	**	**
81810 PARATHION IN FISH TISSUE WET WEIGHT MG/KG	09/22/81-08/21/83	3##	0.02	0.027	0.05	0.01	0.	0.021	**	**	**	**
81823 PENTACHLOROANISOLE(PCA)INFISH TISSUE WET WGT MG/KG	08/20/92-08/20/92	1##	0.	0.	0.	0.	0.	0.	**	**	**	**
82029 OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	08/20/92-08/20/92	1##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
82401 DEMETON IN FISH TISSUE (SYSTOX) WET WEIGHT MG/KG	09/22/81-08/21/83	3##	2.	2.333	3.	2.	0.333	0.577	**	**	**	**
82403 PROMETON IN FISH TISSUE (PRAMITOL)WET WEIGHT MG/KG	09/22/81-08/21/83	3##	2.	2.333	3.	2.	0.333	0.577	**	**	**	**
82404 ATRAZINE IN FISH TISSUE WET WEIGHT MG/KG	09/22/81-08/21/83	3##	2.	2.333	3.	2.	0.333	0.577	**	**	**	**
82405 METRIBUZIN (SENCOR), TISSUE, WET WEIGHT MG/KG	09/22/81-08/21/83	3##	2.	2.333	3.	2.	0.333	0.577	**	**	**	**
82406 SIMAZINE IN FISH TISSUE (PRINCEP)WET WEIGHT MG/KG	09/22/81-08/21/83	3##	2.	2.333	3.	2.	0.333	0.577	**	**	**	**
82407 FONOFOS IN FISH TISSUE (DYFONATE) WET WEIGHT MG/KG	09/22/81-08/21/83	3##	2.	2.333	3.	2.	0.333	0.577	**	**	**	**
82411 PENOXALIN IN FISH TISSUE (PROWL) WET WEIGHT MG/KG	09/22/81-08/21/83	3##	2.	2.333	3.	2.	0.333	0.577	**	**	**	**
82413 TRICHLORFON IN FISH TISSUE(DYLOX) WET WEIGHT MG/KG	09/22/81-08/21/83	2##	0.3	0.3	0.5	0.1	0.08	0.283	**	**	**	**
82419 CIS-PERMETHRIN IN FISH TISSUE WET WEIGHT MG/KG	09/22/81-08/21/83	3##	2.	2.333	3.	2.	0.333	0.577	**	**	**	**
82422 TRANS-PERMETHRIN IN FISH TISSUE WET WEIGHT MG/KG	09/22/81-08/21/83	3##	2.	2.333	3.	2.	0.333	0.577	**	**	**	**
82533 PROPAZINE IN FISH TISSUE WET WEIGHT MG/KG	09/22/81-08/21/83	3##	2.	2.333	3.	2.	0.333	0.577	**	**	**	**
82571 ALACHLOR(LASSO) IN TISSUE MG/KG	08/20/92-08/20/92	1##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
82655 FISH LENGTH, TOTAL CM	08/20/92-08/20/92	5	50.	50.8	53.	48.	4.7	2.168	**	**	**	**
82656 FISH, WHOLE, WET WEIGHT GRAM	08/20/92-08/20/92	5	1772.	1771.6	2053.	1518.	52627.3	229.406	**	**	**	**
84015 AGE IN YEARS OF SPECIMEN COLLECTED YEARS	10/26/82-08/21/83	15	2.	1.933	3.	1.	0.21	0.458	1.	2.	2.	2.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: MNRR0083

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
34363 ENDOSULFAN, ALPHA	Fresh Acute	0.22	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: MNRR0084

NPS Station ID: MNRR0084
LAT/LON: 42.740281/ -98.212503
Agency: 21NEB001
Date Created: 01/21/89
Location: NIOBRARA RIVER
FIPS State/County: 31107 NEBRASKA/KNOX
Station Type: /TYPA/AMBNT/STREAM/BIO
STORET Station ID(s): 301483
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 10150001
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id: NENI2-10000
Minor Basin:
ECO Region: 46G
RF1 Index: 10150001
RF1 Mile Point: 0.000
Distance from RF1: 1.60
On/Off RF1:
RF3 Index: 10150007003000.00
RF3 Mile Point: 5.67
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: MNRR0084

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: MNRR0085

NPS Station ID: MNRR0085 LAT/LON: 42.733642/ -98.217059 Agency: 21NEB001 Date Created: / /
Location: NIOBRARA RIVER AT VERDEL FIPS State/County: 31107 NEBRASKA/KNOX
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 300965
RMI-Indexes: 1021500 Within Park Boundary: No
RMI-Miles: 1149.40
HUC: 10150007 Depth of Water: 0 Aquifer:
Major Basin: MISSOURI Elevation: 0 Water Body Id:
Minor Basin: NIOBRARA ECO Region:
RF1 Index: 10150007002 RF1 Mile Point: 9.930 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 10150001000101.62 RF3 Mile Point: 5.09 Distance from RF3: 0.03 On/Off RF3:

Description:
6 MILES SW OF VERDEL ON COUNTY ROAD BRIDGE OR 2.0 MILES NW OF PISHEL VILLE ON COUNTY ROAD BR 11-17-78
NEBRASKA STATE DEPARTMENT OF HEALTH STATION R08W SEC23BD KNOX COUNTY 6 MILES SW OF VERDEL ON CO RD BR OR 2.0

Parameter Inventory for Station: MNRR0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		05/16/68-04/13/93	49	15.	12.653	30.	0.	85.888	9.268	0.	3.	21.	24.
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		08/30/68-06/07/73	9	24.5	25.067	32.	19.	16.64	4.079	19.	22.05	28.25	32.
00032 CLOUD COVER (PERCENT)		05/27/70-06/07/73	6	7.5	13.333	50.	0.	336.667	18.348	**	**	**	**
00060 FLOW, STREAM, MEAN DAILY	CFS	05/16/68-06/07/73	10	1270.	1273.5	1800.	549.	189308.278	435.096	562.7	981.5	1737.5	1799.
00070 TURBIDITY, (JACKSON CANDLE UNITS)		05/16/68-06/07/73	10	85.	132.8	420.	24.	14977.733	122.384	24.7	46.75	205.25	400.4
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/16/68-04/13/93	49	266.	270.061	372.	225.	894.684	29.911	240.	251.	281.	318.
00300 OXYGEN, DISSOLVED	MG/L	05/16/68-04/13/93	47	9.5	9.913	19.3	7.3	4.986	2.233	7.5	8.2	11.8	12.12
00340 COD, .25N K2CR2O7	MG/L	01/23/90-04/13/93	39	26.	29.487	126.	7.	359.888	18.971	15.	20.	35.	44.
00400 PH (STANDARD UNITS)		08/30/68-06/07/73	8	7.95	7.9	8.8	7.1	0.337	0.581	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		08/30/68-06/07/73	8	7.947	7.602	8.8	7.1	0.438	0.662	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/30/68-06/07/73	8	0.011	0.025	0.079	0.002	0.001	0.029	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	01/23/90-04/13/93	39	8.	8.01	8.7	7.4	0.094	0.307	7.6	7.8	8.3	8.4
00403 CONVERTED PH, LAB, STANDARD UNITS		01/23/90-04/13/93	39	8.	7.912	8.7	7.4	0.104	0.323	7.6	7.8	8.3	8.4
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		01/23/90-04/13/93	39	0.01	0.012	0.04	0.002	0.	0.008	0.004	0.005	0.016	0.025
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/16/68-06/07/73	10	126.	127.	140.	116.	84.667	9.201	116.	119.	135.5	140.
00500 RESIDUE, TOTAL (MG/L)		05/16/68-05/09/69	3	458.	454.667	478.	428.	633.333	25.166	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)		05/09/69-05/09/69	1	72.	72.	72.	72.	0.	0.	**	**	**	**
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		08/30/68-10/04/72	6	175.	188.333	250.	160.	1096.667	33.116	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		01/23/90-04/13/93	39	171.	244.41	2766.	7.	184863.564	429.958	29.	88.	271.	351.
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		01/23/90-04/13/93	38	0.05	0.069	0.4	0.01	0.007	0.082	0.01	0.02	0.073	0.144
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		01/23/90-04/13/93	39	0.83	0.989	4.23	0.25	0.512	0.716	0.25	0.69	1.15	1.82
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/16/68-04/13/93	48	0.51	0.59	1.98	0.	0.285	0.534	0.01	0.05	1.05	1.256
00650 PHOSPHATE, TOTAL (MG/L AS PO4)		05/16/68-10/04/72	9	0.4	0.489	1.2	0.2	0.099	0.314	0.2	0.25	0.65	1.2
00665 PHOSPHORUS, TOTAL (MG/L AS P)		01/23/90-04/13/93	39	0.24	0.297	1.56	0.08	0.065	0.255	0.1	0.16	0.34	0.5
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		01/23/90-11/17/92	35	2.9	3.226	6.8	1.9	1.233	1.11	2.2	2.5	3.6	5.16
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/16/68-06/07/73	10	130.	130.5	172.	108.	315.833	17.772	108.8	116.	137.25	168.9
00915 CALCIUM, DISSOLVED (MG/L AS CA)		08/30/68-04/13/93	47	34.8	35.789	49.	25.	21.56	4.643	31.56	33.1	37.2	42.36
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		08/30/68-04/13/93	47	4.8	5.445	13.	3.9	4.038	2.01	4.1	4.4	5.2	8.4
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/16/68-04/13/93	48	9.25	10.698	25.	7.5	16.333	4.041	8.08	8.65	10.45	16.3
00931 SODIUM ADSORPTION RATIO		05/16/68-10/04/72	9	0.7	0.667	1.	0.4	0.053	0.229	0.4	0.4	0.85	1.
00935 POTASSIUM, DISSOLVED (MG/L AS K)		05/16/68-10/04/72	9	8.	8.444	12.	6.	3.278	1.81	6.	7.	9.5	12.
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/16/68-04/13/93	49	4.	3.49	8.	0.	2.734	1.654	0.5	2.5	4.	5.
00945 SULFATE, TOTAL (MG/L AS SO4)		05/16/68-06/07/73	10	20.	19.3	40.	2.	137.567	11.729	2.2	7.75	26.25	39.

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Parameter Inventory for Station: MNRR0085

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950 FLUORIDE, DISSOLVED (MG/L AS F)	05/16/68-05/09/69	3	0.32	0.313	0.32	0.3	0.	0.012	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	03/20/90-02/16/93	13	5.	4.846	7.	3.	1.808	1.345	3.	3.5	6.	6.6
01020 BORON, DISSOLVED (UG/L AS B)	08/30/68-05/09/69	2	80.	80.	100.	60.	800.	28.284	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	03/20/90-02/16/93	13##	2.5	12.869	124.	0.2	1123.289	33.516	0.2	1.45	7.5	77.4
01030 CHROMIUM, DISSOLVED (UG/L AS CR)	02/20/90-02/20/90	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	03/20/90-02/16/93	13##	5.	4.615	5.5	4.	0.381	0.618	4.	4.	5.	5.5
01042 COPPER, TOTAL (UG/L AS CU)	05/16/68-02/16/93	15##	5.	17.433	71.	3.5	462.781	21.512	3.5	5.	19.	58.4
01045 IRON, TOTAL (UG/L AS FE)	05/16/68-05/09/69	3	6.	336.	1000.	2.	330676.	575.044	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	03/20/90-02/16/93	11	10.	12.273	27.	3.	50.618	7.115	3.4	10.	20.	25.6
01055 MANGANESE, TOTAL (UG/L AS MN)	05/16/68-05/16/68	1	500.	500.	500.	500.	0.	0.	**	**	**	**
01075 SILVER, DISSOLVED (UG/L AS AG)	02/20/90-02/20/90	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01077 SILVER, TOTAL (UG/L AS AG)	03/20/90-02/16/93	12##	0.5	0.675	2.5	0.05	0.79	0.889	0.05	0.05	0.725	2.5
01090 ZINC, DISSOLVED (UG/L AS ZN)	02/20/90-02/20/90	1##	15.	15.	15.	15.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	05/16/68-02/16/93	14	15.	70.286	700.	1.	33093.143	181.915	4.	12.	42.	375.
01147 SELENIUM, TOTAL (UG/L AS SE)	03/20/90-02/16/93	13##	1.5	1.346	2.	0.5	0.266	0.516	0.5	1.	1.75	2.
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/07/73-04/13/93	40	68.	191.8	1060.	0.	64902.318	254.759	10.2	36.	281.	652.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/07/73-04/13/93	40	1.833	1.879	3.025	0.	0.468	0.684	1.008	1.556	2.448	2.814
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		75.755								
31679 FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	01/23/90-04/13/93	39	196.	227.359	800.	12.	33926.447	184.191	32.	96.	292.	500.
31679 LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	01/23/90-04/13/93	39	2.292	2.185	2.903	1.079	0.205	0.453	1.505	1.982	2.465	2.699
31679 GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4		GEOMETRIC MEAN =		153.095								
71900 MERCURY, TOTAL (UG/L AS HG)	03/20/90-02/16/93	13##	0.2	0.235	0.4	0.2	0.003	0.055	0.2	0.2	0.25	0.34

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: MNRR0085

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	10	8	0.80							5	5	1.00	5	3	0.60
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	47	0	0.00	3	0	0.00	7	0	0.00	17	0	0.00	20	0	0.00
00400 PH	Fresh Chronic	9.	8	0	0.00							3	0	0.00	5	0	0.00
	Other-Lo Lim.	6.5	8	0	0.00							3	0	0.00	5	0	0.00
00403 PH, LAB	Fresh Chronic	9.	39	0	0.00	3	0	0.00	7	0	0.00	14	0	0.00	15	0	0.00
	Other-Lo Lim.	6.5	39	0	0.00	3	0	0.00	7	0	0.00	14	0	0.00	15	0	0.00
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	48	0	0.00	3	0	0.00	7	0	0.00	18	0	0.00	20	0	0.00
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	49	0	0.00	3	0	0.00	7	0	0.00	19	0	0.00	20	0	0.00
	Drinking Water	250.	49	0	0.00	3	0	0.00	7	0	0.00	19	0	0.00	20	0	0.00
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	10	0	0.00							5	0	0.00	5	0	0.00
00950 FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00							2	0	0.00	1	0	0.00
01002 ARSENIC, TOTAL	Fresh Acute	360.	13	0	0.00				3	0	0.00	4	0	0.00	6	0	0.00
	Drinking Water	50.	13	0	0.00				3	0	0.00	4	0	0.00	6	0	0.00
01027 CADMIUM, TOTAL	Fresh Acute	3.9	9&	1	0.11				2	0	0.00	3	1	0.33	4	0	0.00
	Drinking Water	5.	9&	1	0.11				2	0	0.00	3	1	0.33	4	0	0.00
01030 CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00				1	0	0.00						
01034 CHROMIUM, TOTAL	Drinking Water	100.	13	0	0.00				3	0	0.00	4	0	0.00	6	0	0.00
01042 COPPER, TOTAL	Fresh Acute	18.	13&	2	0.15				3	0	0.00	4	1	0.25	6	1	0.17
	Drinking Water	1300.	15	0	0.00				3	0	0.00	6	0	0.00	6	0	0.00
01051 LEAD, TOTAL	Fresh Acute	82.	11	0	0.00				3	0	0.00	3	0	0.00	5	0	0.00
	Drinking Water	15.	11	3	0.27				3	0	0.00	3	2	0.67	5	1	0.20
01075 SILVER, DISSOLVED	Fresh Acute	4.1	1	0	0.00				1	0	0.00						
	Drinking Water	100.	1	0	0.00				1	0	0.00						
01077 SILVER, TOTAL	Fresh Acute	4.1	12	0	0.00				3	0	0.00	3	0	0.00	6	0	0.00
	Drinking Water	100.	12	0	0.00				3	0	0.00	3	0	0.00	6	0	0.00
01090 ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00				1	0	0.00						
	Drinking Water	5000.	1	0	0.00				1	0	0.00						
01092 ZINC, TOTAL	Fresh Acute	120.	14	1	0.07				3	0	0.00	5	1	0.20	6	0	0.00
	Drinking Water	5000.	14	0	0.00				3	0	0.00	5	0	0.00	6	0	0.00
01147 SELENIUM, TOTAL	Fresh Acute	20.	13	0	0.00				3	0	0.00	4	0	0.00	6	0	0.00
	Drinking Water	50.	13	0	0.00				3	0	0.00	4	0	0.00	6	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: MNRR0085

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	40	13	0.33	3	0	0.00	7	0	0.00	15	6	0.40	15	7	0.47
71900 MERCURY, TOTAL	Fresh Acute	2.4	13	0	0.00				3	0	0.00	4	0	0.00	6	0	0.00
	Drinking Water	2.	13	0	0.00				3	0	0.00	4	0	0.00	6	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 11/20 to 1/14 - Station MNRR0085

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/16/68-04/13/93	3	2.	1.333	2.	0.	1.333	1.155	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/16/68-04/13/93	3	251.	252.333	266.	240.	170.333	13.051	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	05/16/68-04/13/93	3	13.8	14.733	19.3	11.1	17.463	4.179	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/16/68-04/13/93	3	1.12	1.15	1.24	1.09	0.006	0.079	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)	08/30/68-04/13/93	3	33.1	33.767	35.4	32.8	2.023	1.422	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	08/30/68-04/13/93	3	4.2	4.4	4.8	4.2	0.12	0.346	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)	05/16/68-04/13/93	3	7.9	8.167	9.	7.6	0.543	0.737	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	05/16/68-04/13/93	3	3.	3.	4.	2.	1.	1.	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/07/73-04/13/93	3	48.	40.	60.	12.	624.	24.98	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/07/73-04/13/93	3	1.681	1.513	1.778	1.079	0.143	0.379	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		32.573								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 3/14 - Station MNRR0085

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/16/68-04/13/93	7	0.	0.143	1.	0.	0.143	0.378	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/16/68-04/13/93	7	281.	286.714	372.	232.	2149.238	46.36	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	05/16/68-04/13/93	7	12.	11.871	13.	10.	0.829	0.911	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/16/68-04/13/93	7	1.09	1.104	1.98	0.08	0.32	0.566	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)	08/30/68-04/13/93	7	38.2	38.157	49.	31.4	35.746	5.979	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	08/30/68-04/13/93	7	5.	5.171	7.1	4.1	0.969	0.984	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)	05/16/68-04/13/93	7	9.	9.486	13.2	7.5	3.405	1.845	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	05/16/68-04/13/93	7	3.	3.286	5.	2.	1.238	1.113	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/07/73-04/13/93	7	16.	22.571	48.	4.	336.952	18.356	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/07/73-04/13/93	7	1.204	1.178	1.681	0.602	0.212	0.46	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		15.075								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 7/14 - Station MNRR0085

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/16/68-04/13/93	19	13.	13.289	24.5	0.	54.814	7.404	4.	6.	20.	23.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/16/68-04/13/93	19	272.	277.895	330.	245.	642.211	25.342	247.	255.	286.	330.
00300 OXYGEN, DISSOLVED MG/L	05/16/68-04/13/93	17	9.	9.276	12.	7.4	1.943	1.394	7.48	8.1	10.15	11.92
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/16/68-04/13/93	18	0.595	0.584	1.66	0.	0.197	0.444	0.009	0.178	0.9	1.111
00915 CALCIUM, DISSOLVED (MG/L AS CA)	08/30/68-04/13/93	17	35.8	35.988	41.1	32.	8.404	2.899	32.	33.7	38.35	40.54
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	08/30/68-04/13/93	17	4.8	5.353	11.	4.	2.935	1.713	4.16	4.55	5.35	8.6
00930 SODIUM, DISSOLVED (MG/L AS NA)	05/16/68-04/13/93	18	9.95	11.71	24.	8.2	22.496	4.743	8.56	9.135	11.4	22.2
00940 CHLORIDE,TOTAL IN WATER MG/L	05/16/68-04/13/93	19	4.	3.947	6.	0.5	2.358	1.536	0.5	4.	5.	6.
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/07/73-04/13/93	15	122.	236.933	800.	0.	67775.352	260.337	7.2	36.	420.	716.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/07/73-04/13/93	15	2.086	1.986	2.903	0.	0.594	0.771	0.648	1.556	2.623	2.853
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		96.925								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 7/15 to 11/19 - Station MNRR0085

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/16/68-04/13/93	20	19.75	18.125	30.	1.	55.049	7.42	5.2	15.	22.75	27.8
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/16/68-04/13/93	20	257.	259.45	348.	225.	623.524	24.97	232.8	245.	268.75	271.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 7/15 to 11/19 - Station MNRR0085

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300 OXYGEN, DISSOLVED MG/L	05/16/68-04/13/93	20	8.7	9.045	12.1	7.3	2.098	1.449	7.5	8.	9.725	11.9
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/16/68-04/13/93	20	0.05	0.333	1.45	0.	0.21	0.459	0.01	0.01	0.658	1.113
00915 CALCIUM, DISSOLVED (MG/L AS CA)	08/30/68-04/13/93	20	34.4	35.095	48.	25.	30.365	5.51	29.3	31.825	36.9	46.15
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	08/30/68-04/13/93	20	4.65	5.775	13.	3.9	6.664	2.581	4.01	4.25	6.5	10.9
00930 SODIUM, DISSOLVED (MG/L AS NA)	05/16/68-04/13/93	20	9.15	10.59	25.	7.6	16.605	4.075	8.11	8.65	10.225	16.
00940 CHLORIDE,TOTAL IN WATER MG/L	05/16/68-04/13/93	20	3.	3.2	8.	0.	3.826	1.956	0.5	2.	4.	6.8
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/07/73-04/13/93	15	120.	256.	1060.	32.	86934.857	294.847	34.4	56.	300.	880.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/07/73-04/13/93	15	2.079	2.173	3.025	1.505	0.22	0.469	1.536	1.748	2.477	2.939
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	148.903								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: MNRR0086

NPS Station ID: MNRR0086 LAT/LON: 42.739726/ -98.223893 Agency: 112WRD Date Created: / /
Location: NIOBRARA RIVER NR. VERDEL, NEBR. FIPS State/County: 31107 NEBRASKA/KNOX
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 06465500
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 10150007 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 10150007 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 10170101006111.49 RF3 Mile Point: 11.97 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: MNRR0086

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		11/21/71-08/24/94	344	17.	14.993	32.	0.	95.664	9.781	0.5	6.	23.5	26.75
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)		06/20/73-08/24/94	180	18.	14.272	35.	-17.	158.861	12.604	3.55	-2.25	26.375	31.5
00025	BAROMETRIC PRESSURE (MM OF HG)		11/03/82-08/24/94	102	723.	722.824	732.	710.	24.543	4.954	717.	719.75	727.	729.7
00060	FLOW, STREAM, MEAN DAILY	CFS	11/21/71-10/08/75	64	1540.	1704.906	4780.	302.	748008.023	864.875	733.5	1145.	2115.	2535.
00061	FLOW, STREAM, INSTANTANEOUS	CFS	10/04/73-08/24/94	304	1390.	1643.174	7070.	482.	840697.973	916.896	830.5	1060.	1955.	2790.
00065	STAGE, STREAM (FEET)		11/09/93-08/24/94	4	2.96	3.028	3.27	2.92	0.027	0.163	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)		06/20/73-08/05/80	66	45.	65.924	310.	8.	3437.179	58.627	15.	25.	81.25	143.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		06/20/78-08/24/94	81	52.	70.707	260.	3.7	3405.123	58.353	13.8	26.	99.5	150.
00080	COLOR (PLATINUM-COBALT UNITS)		05/10/73-09/20/77	21	30.	28.095	130.	4.	796.69	28.226	5.	6.5	40.	49.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/18/73-08/24/94	249	257.	265.237	400.	216.	1278.303	35.753	231.	238.	281.5	316.
00300	OXYGEN, DISSOLVED	MG/L	06/20/73-08/24/94	246	9.1	9.673	15.2	4.2	4.594	2.143	7.17	8.1	11.4	12.9
00310	BOD, 5 DAY, 20 DEG C	MG/L	04/18/73-08/05/80	66	3.4	3.576	15.	0.4	5.638	2.374	1.	2.025	4.6	6.
00340	COD, .25N K2CR2O7	MG/L	03/23/76-08/29/89	93	32.	44.097	460.	5.	2965.98	54.461	8.8	18.5	51.5	81.2
00400	PH (STANDARD UNITS)		05/10/73-08/24/94	248	8.055	7.986	9.08	7.	0.17	0.412	7.4	7.693	8.3	8.5
00400	CONVERTED PH (STANDARD UNITS)		05/10/73-08/24/94	248	8.054	7.799	9.08	7.	0.205	0.453	7.4	7.692	8.3	8.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/10/73-08/24/94	248	0.009	0.016	0.1	0.001	0.	0.016	0.003	0.005	0.02	0.04
00403	PH, LAB, STANDARD UNITS	SU	10/07/80-08/24/94	123	8.	7.971	8.9	7.1	0.065	0.255	7.7	7.8	8.1	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS		10/07/80-08/24/94	123	8.	7.899	8.9	7.1	0.07	0.265	7.7	7.8	8.1	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/07/80-08/24/94	123	0.01	0.013	0.079	0.001	0.	0.009	0.005	0.008	0.016	0.02
00405	CARBON DIOXIDE (MG/L AS CO2)		05/10/73-05/09/78	27	4.5	4.807	12.	0.6	8.011	2.83	1.38	2.8	6.8	9.6
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		05/10/73-11/13/90	72	110.	87.417	140.	0.	2659.401	51.569	0.	22.25	120.	130.
00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD	MG/L	11/24/86-11/13/90	15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00440	BICARBONATE ION (MG/L AS HCO3)		05/10/73-05/09/78	28	144.	145.286	170.	109.	153.249	12.379	129.9	140.	150.	161.3
00445	CARBONATE ION (MG/L AS CO3)		05/10/73-05/09/78	25	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00447	CARBONATE,INCREMENTAL TITRATION,(CO3) FIELD	MG/L	11/24/86-11/13/90	15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00450	BICARBONATE,INCREMENTAL TITRATION,(HCO3) FIELD	MG/L	11/24/86-11/13/90	15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3,	MG/L	11/26/85-08/24/94	33	0.	3.939	16.	0.	30.371	5.511	0.	0.	8.	13.6
00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,	MG/L	11/26/85-08/24/94	33	132.	132.818	199.	95.	582.403	24.133	103.	116.	145.	170.8
00500	RESIDUE, TOTAL (MG/L)		12/02/80-09/08/82	11	337.	350.909	597.	203.	11790.091	108.582	209.4	284.	392.	570.6
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		02/23/82-08/29/89	84	148.5	214.214	1050.	9.	43812.002	209.313	24.5	60.	327.	536.
00572	BIOMASS, PERIPHYTON (GRAMS PER SQUARE METER)		04/14/75-10/07/80	17	1.1	16.157	136.	0.	1258.794	35.479	0.	0.591	10.74	76.96
00573	BIOMASS, PERIPHYTON,DRY WEIGHT TOTAL (G/M2)		04/14/75-10/07/80	17	1.26	17.706	144.	0.	1410.164	37.552	0.	0.79	12.52	82.8
00600	NITROGEN, TOTAL (MG/L AS N)		10/04/73-03/22/83	76	1.45	1.672	4.8	0.51	0.689	0.83	0.927	1.1	1.975	2.8
00602	NITROGEN, DISSOLVED (MG/L AS N)		09/25/79-07/22/81	20	0.935	1.013	1.9	0.31	0.199	0.446	0.459	0.683	1.375	1.69
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)		04/18/73-02/11/87	87	0.83	1.007	4.7	0.11	0.575	0.758	0.338	0.55	1.3	2.
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)		03/23/76-07/22/81	22	0.41	0.416	0.76	0.	0.028	0.168	0.225	0.325	0.518	0.678
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)		03/23/76-08/24/94	70	0.03	0.043	0.21	0.	0.002	0.042	0.005	0.02	0.06	0.089
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/18/73-11/04/92	183	0.05	0.07	0.64	0.	0.005	0.072	0.01	0.02	0.09	0.156

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: MNRR0086

	Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	09/20/77-08/24/94	35##	0.005	0.008	0.03	0.005	0.	0.006	0.005	0.005	0.01	0.014
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/26/82-11/04/92	18	0.03	0.037	0.15	0.01	0.001	0.031	0.01	0.02	0.04	0.069
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/18/82-02/22/83	3	0.75	0.643	0.77	0.41	0.041	0.202	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	03/23/76-08/19/91	41	0.38	0.381	1.1	0.	0.05	0.223	0.14	0.22	0.49	0.668
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	03/23/76-07/22/81	39	0.53	0.774	2.9	0.	0.476	0.69	0.11	0.31	1.2	1.8
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/73-08/24/94	188	0.925	1.132	4.9	0.1	0.699	0.836	0.309	0.613	1.4	2.01
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/04/73-11/04/92	163	0.7	0.658	1.9	0.	0.191	0.438	0.044	0.28	0.96	1.2
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/18/73-08/24/94	94	0.7	0.589	1.4	0.	0.169	0.411	0.025	0.2	1.	1.1
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/10/79-04/10/79	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/04/73-02/22/83	6	0.25	0.297	0.58	0.06	0.036	0.19	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/18/73-08/24/94	191	0.23	0.28	1.4	0.03	0.035	0.186	0.13	0.15	0.33	0.518
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/18/73-08/24/94	123	0.08	0.073	0.27	0.005	0.002	0.041	0.01	0.05	0.1	0.116
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/04/73-08/24/94	50	0.07	0.056	0.19	0.005	0.001	0.037	0.005	0.018	0.07	0.089
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/23/76-08/29/89	123	6.6	7.691	27.	0.8	24.929	4.993	2.9	4.1	9.6	15.
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	03/28/78-02/24/81	10	4.65	8.36	34.	3.	90.678	9.523	3.	3.225	9.475	31.9
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	06/20/78-02/24/81	9	2.7	2.967	5.	0.5	2.963	1.721	0.5	1.5	4.8	5.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/10/73-02/12/86	73	110.	113.041	170.	90.	223.29	14.943	98.	100.	120.	140.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/10/73-08/05/80	49	0.	1.714	20.	0.	12.292	3.506	0.	0.	3.	6.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/10/73-08/24/94	175	36.	37.354	52.	30.	21.908	4.681	32.	34.	40.	45.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/10/73-08/24/94	175	5.2	5.389	9.3	3.6	1.152	1.073	4.26	4.6	5.9	6.8
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/10/73-08/24/94	170	10.	10.673	34.	6.	7.475	2.734	8.71	9.2	11.	13.9
00931	SODIUM ADSORPTION RATIO	05/10/73-02/12/86	67	0.4	0.422	0.6	0.3	0.003	0.052	0.4	0.4	0.4	0.5
00932	SODIUM, PERCENT	05/10/73-02/12/86	64	16.	15.547	19.	13.	1.712	1.308	14.	14.25	16.	17.
00933	SODIUM,PLUS POTASSIUM (MG/L)	07/24/79-03/19/80	9	17.	16.778	20.	15.	2.444	1.563	15.	15.5	17.5	20.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/10/73-08/24/94	106	6.7	6.659	9.4	4.6	1.12	1.058	5.3	5.8	7.325	8.1
00940	CHLORIDE,TOTAL IN WATER MG/L	04/18/73-08/24/94	190	2.	2.316	7.	1.	0.588	0.767	2.	2.	3.	3.
00945	SULFATE, TOTAL (MG/L AS SO4)	05/10/73-08/24/94	177	18.	19.22	55.	1.	88.272	9.395	10.	14.	22.5	31.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/10/73-08/24/94	108	0.3	0.347	0.6	0.05	0.008	0.09	0.3	0.3	0.4	0.4
00955	SILICA, DISSOLVED (MG/L AS SIO2)	05/10/73-08/24/94	109	46.	46.505	59.	27.	33.715	5.806	40.	43.	50.	54.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/04/73-08/19/91	67	5.	6.463	27.	0.5	33.298	5.77	3.	4.	6.	13.
01001	ARSENIC, SUSPENDED (UG/L AS AS)	03/23/76-05/18/82	13	1.	2.731	12.	0.5	10.151	3.186	0.5	0.75	4.	9.2
01002	ARSENIC, TOTAL (UG/L AS AS)	03/23/76-08/22/89	44	7.	8.409	25.	3.	22.433	4.736	5.	5.25	8.75	15.
01005	BARIUM, DISSOLVED (UG/L AS BA)	10/04/73-08/24/94	59	97.	100.949	300.	14.	1538.463	39.223	75.	87.	110.	130.
01006	BARIUM, SUSPENDED (UG/L AS BA)	01/04/78-05/18/82	13	100.	116.154	300.	0.	12758.974	112.956	0.	0.	200.	300.
01007	BARIUM, TOTAL (UG/L AS BA)	01/04/78-05/16/84	20	200.	192.5	400.	50.	14282.895	119.511	50.	62.5	300.	390.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	11/03/82-08/19/91	35##	0.25	0.411	2.7	0.25	0.226	0.475	0.25	0.25	0.25	0.8
01017	BISMUTH, TOTAL (UG/L AS BI)	02/11/87-02/11/87	1##	0.	0.	0.	0.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	05/10/73-09/25/79	25	30.	33.6	60.	10.	190.667	13.808	10.	30.	40.	54.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/20/74-08/19/91	52##	0.5	0.76	2.	0.	0.289	0.538	0.5	0.5	1.	2.
01026	CADMIUM, SUSPENDED (UG/L AS CD)	03/23/76-02/24/81	12	1.	2.583	9.	0.	11.72	3.423	0.	0.	4.75	9.
01027	CADMIUM, TOTAL (UG/L AS CD)	03/23/76-08/22/89	44##	2.	4.182	10.	0.	12.908	3.593	0.5	1.	7.5	7.75
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/04/73-08/19/91	54##	0.5	1.593	10.	0.	8.321	2.885	0.	0.375	1.	7.5
01031	CHROMIUM, SUSPEND (UG/L AS CR)	03/23/76-02/24/81	15	0.	4.267	20.	0.	38.781	6.227	0.	0.	10.	14.
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/23/76-08/22/89	43##	5.	8.023	30.	0.	44.833	6.696	0.	5.	10.	18.4
01035	COBALT, DISSOLVED (UG/L AS CO)	03/23/76-08/24/94	61##	1.5	1.295	3.	0.	0.336	0.58	0.	1.5	1.5	1.5
01036	COBALT, SUSPENDED (UG/L AS CO)	03/23/76-02/24/81	13	0.	8.462	50.	0.	238.103	15.431	0.	0.	15.	40.
01037	COBALT, TOTAL (UG/L AS CO)	03/23/76-05/18/82	16##	2.5	10.875	50.	0.	380.25	19.5	0.	0.	5.75	50.
01040	COPPER, DISSOLVED (UG/L AS CU)	03/20/74-08/19/91	53	2.	2.594	7.	0.	1.856	1.362	1.	2.	3.5	4.6
01041	COPPER, SUSPENDED (UG/L AS CU)	03/23/76-05/18/82	16	9.	10.688	28.	1.	52.629	7.255	2.4	6.	16.	23.1
01042	COPPER, TOTAL (UG/L AS CU)	03/23/76-08/22/89	44	10.	13.318	33.	3.	65.71	8.106	5.	6.25	20.	26.5
01044	IRON, SUSPENDED (UG/L AS FE)	01/04/78-05/18/82	13	3300.	4200.	9700.	310.	10390850.	3223.484	502.	1650.	7100.	9660.
01045	IRON, TOTAL (UG/L AS FE)	03/23/76-08/07/84	23	4700.	5051.304	16000.	330.	12663220.949	3558.542	950.	2600.	7500.	9720.
01046	IRON, DISSOLVED (UG/L AS FE)	05/10/73-08/24/94	80	23.5	31.075	150.	4.	601.564	24.527	6.	15.25	40.	65.9
01049	LEAD, DISSOLVED (UG/L AS PB)	03/20/74-08/19/91	50##	1.	2.15	16.	0.	7.441	2.728	0.	0.5	2.625	5.
01050	LEAD, SUSPENDED (UG/L AS PB)	03/23/76-02/24/81	12	7.5	19.625	84.	0.	699.869	26.455	0.3	4.	39.375	73.8
01051	LEAD, TOTAL (UG/L AS PB)	03/23/76-08/22/89	41	10.	15.366	100.	2.	614.088	24.781	3.	5.	10.	30.
01054	MANGANESE, SUSPENDED (UG/L AS MN)	03/23/76-05/18/82	16	285.	427.5	1500.	40.	153780.	392.148	68.	162.5	640.	1143.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/23/76-08/07/84	24	330.	435.833	1500.	50.	117347.101	342.56	110.	225.	497.5	1000.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/10/73-08/24/94	80	5.	8.938	70.	0.	108.869	10.434	3.	3.25	10.	22.5
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	10/04/73-08/24/94	46##	5.	5.022	10.	1.	0.911	0.954	5.	5.	5.	5.
01065	NICKEL, DISSOLVED (UG/L AS NI)	11/07/79-08/24/94	51	1.	1.51	5.	0.	1.815	1.347	0.5	0.5	2.	3.8
01066	NICKEL, SUSPENDED (UG/L AS NI)	11/07/79-05/18/82	6	4.5	6.833	17.	3.	29.767	5.456	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/07/79-05/18/82	6	7.5	8.5	17.	3.	28.3	5.32	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: MNRR0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01075	SILVER, DISSOLVED (UG/L AS AG)	03/20/74-08/24/94	63##	0.5	0.405	2.	0.	0.104	0.322	0.	0.	0.5	0.5
01076	SILVER, SUSPENDED (UG/L AS AG)	01/04/78-02/24/81	12	0.	0.25	1.	0.	0.205	0.452	0.	0.	0.75	1.
01077	SILVER, TOTAL (UG/L AS AG)	01/04/78-08/22/89	44##	0.5	0.466	3.	0.	0.226	0.475	0.	0.125	0.5	0.75
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	10/04/73-08/24/94	46	200.	206.087	290.	170.	797.681	28.243	177.	190.	212.5	253.
01085	VANADIUM, DISSOLVED (UG/L AS V)	10/04/73-08/24/94	46	7.5	7.304	14.	3.	13.016	3.608	3.	3.	10.	13.
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/04/73-08/19/91	54	6.	8.444	40.	0.	65.506	8.094	0.75	4.	10.25	20.5
01091	ZINC, SUSPENDED (UG/L ZN)	03/23/76-05/18/82	14	20.	38.	140.	7.	1289.077	35.904	8.5	18.75	52.5	110.
01092	ZINC, TOTAL (UG/L AS ZN)	03/23/76-08/22/89	44	30.	38.523	160.	5.	982.069	31.338	15.	16.25	47.5	70.
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	08/26/87-08/26/87	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/04/73-08/24/94	46	30.	29.022	110.	5.	494.022	22.227	5.	10.	32.5	60.
01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/04/73-08/24/94	46	14.	14.804	29.	5.	19.272	4.39	10.	12.	18.	21.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/04/73-08/24/94	64	1.	1.07	6.	0.5	0.618	0.786	0.5	0.5	1.	2.
01146	SELENIUM, SUSPENDED (UG/L AS SE)	03/23/76-05/18/82	16	0.5	1.063	4.	0.	1.796	1.34	0.	0.	2.	3.3
01147	SELENIUM, TOTAL (UG/L AS SE)	03/23/76-08/22/89	41	2.	2.293	8.	0.5	3.1	1.761	1.	1.	3.	4.8
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/20/73-04/13/76	21	36.	124.952	640.	7.	35856.048	189.357	8.6	19.5	105.	556.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/20/73-04/13/76	21	1.556	1.706	2.806	0.845	0.341	0.584	0.931	1.289	2.021	2.738
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		50.815								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	10/20/76-08/24/94	157	85.	419.427	8800.	2.	1196317.746	1093.763	19.	41.	220.	844.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/20/76-08/24/94	157	1.929	2.014	3.944	0.301	0.443	0.666	1.279	1.613	2.342	2.922
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM		GEOMETRIC MEAN =		103.248								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/26/77-08/24/94	151	300.	1462.629	31000.	18.	14534951.808	3812.473	84.	120.	940.	3360.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/26/77-08/24/94	151	2.477	2.603	4.491	1.255	0.394	0.628	1.924	2.079	2.973	3.525
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		GEOMETRIC MEAN =		400.974								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	06/20/73-05/17/77	27	144.	233.556	1200.	12.	71486.179	267.369	24.	60.	340.	576.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	06/20/73-05/17/77	27	2.158	2.125	3.079	1.079	0.243	0.493	1.38	1.778	2.531	2.753
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4		GEOMETRIC MEAN =		133.218								
32226	CHLOROPHYLL B, PERIPHYTON, SPECTRO, MG/M2	04/14/75-09/28/76	6	0.69	1.463	3.7	0.	3.287	1.813	**	**	**	**
32228	CHLOROPHYLL A, PERIPHYTON, SPECTRO, MG/M2	04/14/75-09/28/76	6	7.05	8.55	23.	0.1	96.483	9.823	**	**	**	**
39086	ALKALINITY,WATER,DISS.INCR TIT,FIELD,AS CACO3,MG/L	11/26/85-08/24/94	33	112.	115.333	163.	95.	237.667	15.416	99.4	104.5	123.	140.2
60050	ALGAE, TOTAL (CELLS/ML)	11/27/74-07/22/81	35	21000.	69131.143	400000.	670.	7595381381.008	87151.485	1316.	8700.	130000.	176000.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/18/73-08/24/94	118	199.	201.458	281.	153.	511.806	22.623	177.	185.75	212.	233.4
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	05/10/73-02/12/86	63	195.	198.476	263.	162.	358.06	18.922	178.	186.	210.	225.6
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/18/73-02/22/83	79	713.	812.203	2370.	271.	179361.446	423.511	396.	516.	990.	1460.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/18/73-02/22/83	79	0.27	0.272	0.34	0.22	0.001	0.024	0.24	0.25	0.28	0.31
70326	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .002MM	11/14/89-05/01/90	3	9.	9.333	11.	8.	2.333	1.528	**	**	**	**
70327	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .004MM	11/14/89-05/01/90	3	11.	11.667	14.	10.	4.333	2.082	**	**	**	**
70328	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .008MM	03/13/90-03/13/90	1	18.	18.	18.	18.	0.	0.	**	**	**	**
70329	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .016MM	11/14/89-05/01/90	3	16.	17.	21.	14.	13.	3.606	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	11/28/84-08/24/94	29	25.	30.621	99.	12.	310.03	17.608	15.	20.	36.5	51.
70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	08/07/84-11/28/84	2	98.5	98.5	99.	98.	0.5	0.707	**	**	**	**
70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	08/07/84-11/28/84	2	98.5	98.5	99.	98.	0.5	0.707	**	**	**	**
70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	08/07/84-11/28/84	2	98.5	98.5	99.	98.	0.5	0.707	**	**	**	**
70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	08/07/84-11/28/84	2	98.5	98.5	99.	98.	0.5	0.707	**	**	**	**
70336	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 2.00MM	08/07/84-11/28/84	2	99.5	99.5	100.	99.	0.5	0.707	**	**	**	**
70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	11/10/72-02/11/87	54	11.	12.426	35.	2.	46.928	6.85	5.	8.	15.25	23.
70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	11/10/72-02/11/87	55	13.	15.	40.	4.	64.074	8.005	6.	9.	20.	26.2
70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	10/24/73-02/11/87	12	14.5	16.333	30.	9.	47.879	6.919	9.3	11.25	21.	29.4
70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	11/10/72-02/11/87	55	17.	20.164	64.	6.	145.917	12.08	7.	12.	27.	34.8
70342	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	11/21/71-08/14/90	126	25.	25.754	89.	0.	293.051	17.119	5.	13.	34.	44.6
70343	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	11/21/71-08/14/90	125	41.	43.	100.	6.	336.048	18.332	22.6	30.5	50.5	67.
70344	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	11/21/71-08/14/90	125	83.	80.992	100.	47.	141.927	11.913	64.	75.5	89.	96.
70345	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	11/21/71-08/14/90	122	99.	97.566	100.	80.	12.182	3.49	93.	97.	100.	100.
70346	SUS SED FALL DIA(DISTLD WATER)%FINER THAN 1.00MM	05/12/72-11/28/84	77	100.	99.584	100.	86.	3.009	1.735	99.	100.	100.	100.
70347	SUS SED FALL DIA(DISTLD WATER)%FINER THAN 2.00MM	03/23/76-03/15/77	2	100.	100.	100.	100.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/22/81-11/04/92	8	0.11	0.106	0.2	0.03	0.002	0.049	**	**	**	**
70950	BIOMASS-CHLOROPHYLL RATIO, PERIPHYTON (UNITS)	10/20/76-10/07/80	9	2151.	2011.667	4240.	0.	2040615.5	1428.501	0.	702.5	3127.	4240.
70955	CHLOROPHYLL-A,PERIDHYTON UG/L,CHROMO-SPECTRO	10/20/76-10/20/76	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
70956	CHLOROPHYLL-B,PERIPHYTON UG/L,CHROMO-SPECTRO	10/20/76-10/20/76	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
70957	CHLOROPHYLL-A,PERIPHYTON UG/L,CHROMO-FLUORO	07/26/77-10/07/80	12	0.8	1.363	8.4	0.	5.35	2.313	0.018	0.125	1.3	6.54
70958	CHLOROPHYLL-B,PERIPHYTON UG/L,CHROMO-FLUORO	07/26/77-10/07/80	12	0.045	0.283	2.	0.	0.321	0.567	0.	0.	0.35	1.55
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	04/10/79-01/06/81	18	0.03	0.062	0.3	0.	0.007	0.084	0.	0.01	0.063	0.21
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	03/23/76-02/12/86	29	0.08	0.076	0.27	0.	0.006	0.074	0.	0.01	0.1	0.21
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	09/20/77-09/20/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: MNRR0086

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71886 PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/10/79-02/12/86	55	0.58	0.819	3.1	0.21	0.31	0.557	0.4	0.46	1.	1.64
71887 NITROGEN, TOTAL, AS NO3 - MG/L	10/04/73-03/22/83	76	6.4	7.355	21.	2.3	13.094	3.619	4.1	4.925	8.725	12.
71890 MERCURY, DISSOLVED (UG/L AS HG)	10/04/73-08/19/91	52##	0.05	0.195	3.2	0.	0.209	0.457	0.05	0.05	0.2	0.44
71895 MERCURY, SUSPENDED (UG/L AS HG)	03/20/74-02/24/81	16	0.	0.069	0.6	0.	0.022	0.149	0.	0.	0.1	0.25
71900 MERCURY, TOTAL (UG/L AS HG)	03/20/74-08/22/89	41##	0.1	0.25	2.6	0.	0.194	0.44	0.05	0.05	0.25	0.58
80154p SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/21/71-08/24/94	163	1130.	1235.859	4860.	171.	705808.974	840.124	310.4	589.	1640.	2386.
80155 SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/21/71-07/21/82	118	3570.	6482.728	60600.	268.	81124882.359	9006.935	752.3	1792.5	7217.5	15510.
80158 BED MATERIAL FALL DIAMETER, % FINER THAN .062MM	07/19/72-04/27/82	78	0.	0.154	5.	0.	0.47	0.685	0.	0.	0.	0.
80159 BED MATERIAL FALL DIAMETER, % FINER THAN .125MM	07/19/72-04/27/82	117	1.	2.205	20.	0.	9.716	3.117	0.	0.	3.	6.
80160 BED MATERIAL FALL DIAMETER, % FINER THAN .250MM	07/19/72-04/27/82	117	36.	37.547	76.	16.	148.371	12.181	21.	29.	45.	53.2
80161 BED MATERIAL FALL DIAMETER, % FINER THAN .500MM	07/19/72-04/27/82	117	90.	87.863	99.	58.	70.343	8.387	73.8	84.	94.	96.
80162 BED MATERIAL FALL DIAMETER, % FINER THAN 1.00MM	07/19/72-04/27/82	117	98.	96.624	100.	82.	13.306	3.648	92.	95.	99.	100.
80169 BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	07/19/72-04/27/82	98	99.	98.041	100.	87.	5.05	2.247	95.	98.	99.	100.
80170 BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	07/19/72-08/07/84	84	100.	99.131	100.	92.	2.139	1.463	98.	99.	100.	100.
80171 BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	08/30/72-06/24/81	40	100.	99.4	100.	94.	1.528	1.236	98.1	99.	100.	100.
80172 BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	09/21/72-02/20/80	12	100.	100.	100.	100.	0.	0.	100.	100.	100.	100.
82068 POTASSIUM 40, DISSOLVED, K-40 PC/LITER	02/24/81-07/22/81	5	5.1	4.94	5.6	4.	0.418	0.647	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: MNRR0086

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	66	32	0.48	7	1	0.14	9	0	0.00	21	19	0.90	29	12	0.41
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	81	43	0.53	7	3	0.43	14	5	0.36	27	24	0.89	33	11	0.33
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	246	0	0.00	22	0	0.00	27	0	0.00	61	0	0.00	136	0	0.00
00400 PH	Fresh Chronic	9.	248	1	0.00	23	0	0.00	27	0	0.00	64	0	0.00	134	1	0.01
	Other-Lo Lim.	6.5	248	0	0.00	23	0	0.00	27	0	0.00	64	0	0.00	134	0	0.00
00403 PH, LAB	Fresh Chronic	9.	123	0	0.00	15	0	0.00	19	0	0.00	43	0	0.00	46	0	0.00
	Other-Lo Lim.	6.5	123	0	0.00	15	0	0.00	19	0	0.00	43	0	0.00	46	0	0.00
00613 NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	35	0	0.00	2	0	0.00	6	0	0.00	11	0	0.00	16	0	0.00
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	18	0	0.00				4	0	0.00	5	0	0.00	9	0	0.00
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00				1	0	0.00	1	0	0.00	1	0	0.00
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	163	0	0.00	21	0	0.00	26	0	0.00	54	0	0.00	62	0	0.00
00631 NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	94	0	0.00	9	0	0.00	15	0	0.00	33	0	0.00	37	0	0.00
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	190	0	0.00	22	0	0.00	28	0	0.00	65	0	0.00	75	0	0.00
	Drinking Water	250.	190	0	0.00	22	0	0.00	28	0	0.00	65	0	0.00	75	0	0.00
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	177	0	0.00	21	0	0.00	25	0	0.00	62	0	0.00	69	0	0.00
00950 FLUORIDE, DISSOLVED AS F	Drinking Water	4.	108	0	0.00	10	0	0.00	16	0	0.00	38	0	0.00	44	0	0.00
01000 ARSENIC, DISSOLVED	Fresh Acute	360.	67	0	0.00	6	0	0.00	10	0	0.00	25	0	0.00	26	0	0.00
	Drinking Water	50.	67	0	0.00	6	0	0.00	10	0	0.00	25	0	0.00	26	0	0.00
01001 ARSENIC, SUSPENDED	Fresh Acute	360.	13	0	0.00	1	0	0.00	2	0	0.00	5	0	0.00	5	0	0.00
	Drinking Water	50.	13	0	0.00	1	0	0.00	2	0	0.00	5	0	0.00	5	0	0.00
01002 ARSENIC, TOTAL	Fresh Acute	360.	44	0	0.00	5	0	0.00	7	0	0.00	16	0	0.00	16	0	0.00
	Drinking Water	50.	44	0	0.00	5	0	0.00	7	0	0.00	16	0	0.00	16	0	0.00
01005 BARIUM, DISSOLVED	Drinking Water	2000.	59	0	0.00	5	0	0.00	10	0	0.00	20	0	0.00	24	0	0.00
01006 BARIUM, SUSPENDED	Drinking Water	2000.	13	0	0.00	2	0	0.00	2	0	0.00	5	0	0.00	4	0	0.00
01007 BARIUM, TOTAL	Drinking Water	2000.	20	0	0.00	2	0	0.00	3	0	0.00	8	0	0.00	7	0	0.00
01010 BERYLLIUM, DISSOLVED	Fresh Acute	130.	35	0	0.00	3	0	0.00	7	0	0.00	11	0	0.00	14	0	0.00
	Drinking Water	4.	35	0	0.00	3	0	0.00	7	0	0.00	11	0	0.00	14	0	0.00
01025 CADMIUM, DISSOLVED	Fresh Acute	3.9	52	0	0.00	5	0	0.00	8	0	0.00	19	0	0.00	20	0	0.00
	Drinking Water	5.	52	0	0.00	5	0	0.00	8	0	0.00	19	0	0.00	20	0	0.00
01026 CADMIUM, SUSPENDED	Fresh Acute	3.9	11&	3	0.27	2	0	0.00	1	0	0.00	4	1	0.25	4	2	0.50
	Drinking Water	5.	11&	2	0.18	2	0	0.00	1	0	0.00	4	1	0.25	4	1	0.25
01027 CADMIUM, TOTAL	Fresh Acute	3.9	25&	2	0.08	3	0	0.00	4	0	0.00	9	1	0.11	9	1	0.11
	Drinking Water	5.	25&	2	0.08	3	0	0.00	4	0	0.00	9	1	0.11	9	1	0.11
01030 CHROMIUM, DISSOLVED	Drinking Water	100.	54	0	0.00	5	0	0.00	9	0	0.00	19	0	0.00	21	0	0.00
01031 CHROMIUM, SUSPENDED	Drinking Water	100.	15	0	0.00	2	0	0.00	2	0	0.00	6	0	0.00	5	0	0.00
01034 CHROMIUM, TOTAL	Drinking Water	100.	43	0	0.00	5	0	0.00	7	0	0.00	16	0	0.00	15	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

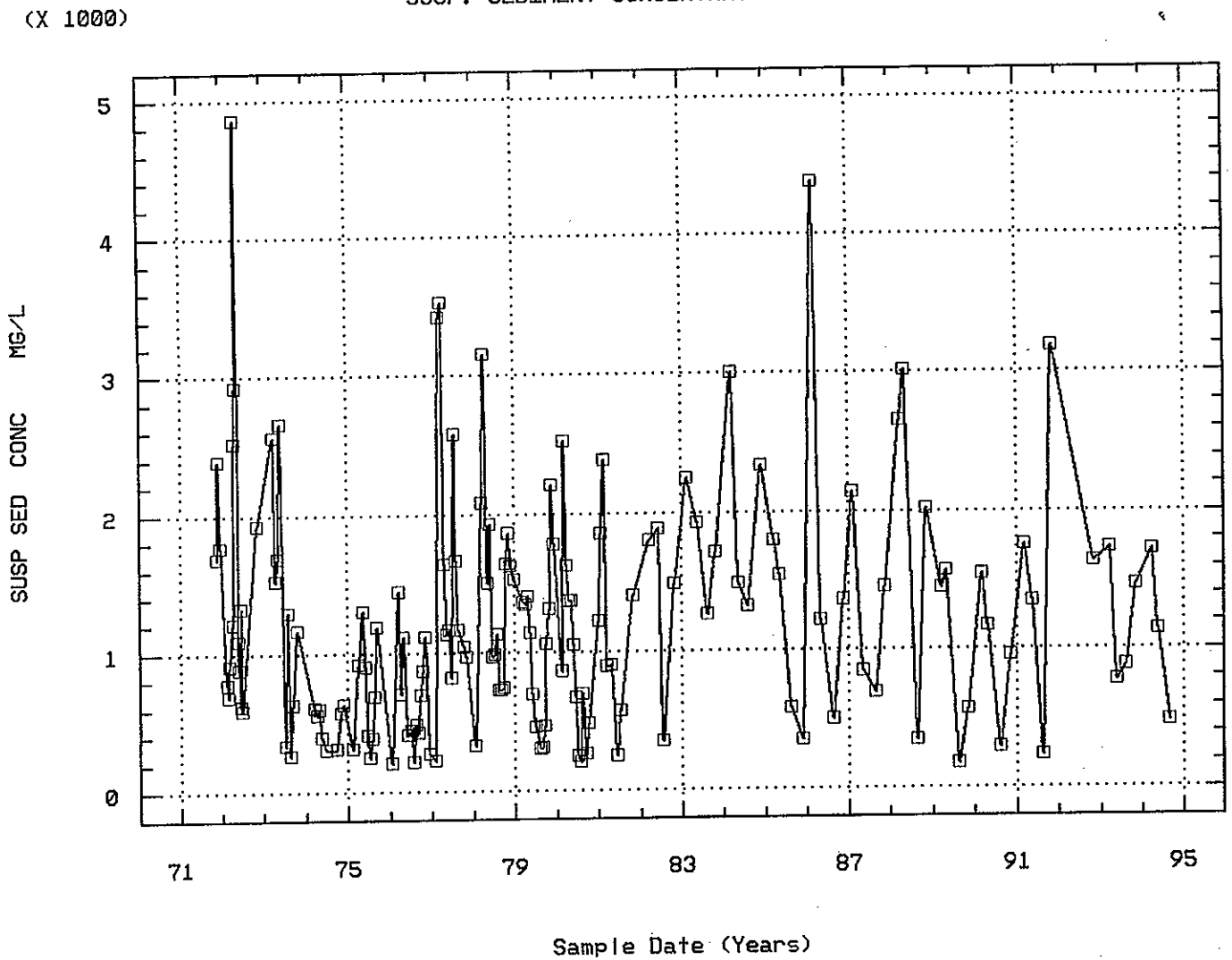
EPA Water Quality Criteria Analysis for Station: MNRR0086

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
01040 COPPER, DISSOLVED	Fresh Acute	18.	53	0	0.00	5	0	0.00	9	0	0.00	19	0	0.00	20	0	0.00
	Drinking Water	1300.	53	0	0.00	5	0	0.00	9	0	0.00	19	0	0.00	20	0	0.00
01041 COPPER, SUSPENDED	Fresh Acute	18.	16	2	0.13	2	0	0.00	2	1	0.50	7	1	0.14	5	0	0.00
	Drinking Water	1300.	16	0	0.00	2	0	0.00	2	0	0.00	7	0	0.00	5	0	0.00
01042 COPPER, TOTAL	Fresh Acute	18.	44	15	0.34	5	2	0.40	7	3	0.43	16	7	0.44	16	3	0.19
	Drinking Water	1300.	44	0	0.00	5	0	0.00	7	0	0.00	16	0	0.00	16	0	0.00
01049 LEAD, DISSOLVED	Fresh Acute	82.	50	0	0.00	4	0	0.00	9	0	0.00	18	0	0.00	19	0	0.00
	Drinking Water	15.	50	1	0.02	4	0	0.00	9	0	0.00	18	0	0.00	19	1	0.05
01050 LEAD, SUSPENDED	Fresh Acute	82.	12	1	0.08	1	0	0.00	2	0	0.00	5	0	0.00	4	1	0.25
	Drinking Water	15.	10&	2	0.20	1	0	0.00	2	0	0.00	3	0	0.00	4	2	0.50
01051 LEAD, TOTAL	Fresh Acute	82.	38&	0	0.00	4	0	0.00	7	0	0.00	13	0	0.00	14	0	0.00
	Drinking Water	15.	38&	3	0.08	4	1	0.25	7	1	0.14	13	0	0.00	14	1	0.07
01065 NICKEL, DISSOLVED	Fresh Acute	1400.	51	0	0.00	3	0	0.00	10	0	0.00	17	0	0.00	21	0	0.00
	Drinking Water	100.	51	0	0.00	3	0	0.00	10	0	0.00	17	0	0.00	21	0	0.00
01066 NICKEL, SUSPENDED	Fresh Acute	1400.	6	0	0.00				2	0	0.00	2	0	0.00	2	0	0.00
	Drinking Water	100.	6	0	0.00				2	0	0.00	2	0	0.00	2	0	0.00
01067 NICKEL, TOTAL	Fresh Acute	1400.	6	0	0.00				2	0	0.00	2	0	0.00	2	0	0.00
	Drinking Water	100.	6	0	0.00				2	0	0.00	2	0	0.00	2	0	0.00
01075 SILVER, DISSOLVED	Fresh Acute	4.1	63	0	0.00	5	0	0.00	10	0	0.00	23	0	0.00	25	0	0.00
	Drinking Water	100.	63	0	0.00	5	0	0.00	10	0	0.00	23	0	0.00	25	0	0.00
01076 SILVER, SUSPENDED	Fresh Acute	4.1	12	0	0.00	2	0	0.00	2	0	0.00	4	0	0.00	4	0	0.00
	Drinking Water	100.	12	0	0.00	2	0	0.00	2	0	0.00	4	0	0.00	4	0	0.00
01077 SILVER, TOTAL	Fresh Acute	4.1	44	0	0.00	6	0	0.00	7	0	0.00	16	0	0.00	15	0	0.00
	Drinking Water	100.	44	0	0.00	6	0	0.00	7	0	0.00	16	0	0.00	15	0	0.00
01090 ZINC, DISSOLVED	Fresh Acute	120.	54	0	0.00	5	0	0.00	9	0	0.00	19	0	0.00	21	0	0.00
	Drinking Water	5000.	54	0	0.00	5	0	0.00	9	0	0.00	19	0	0.00	21	0	0.00
01091 ZINC, SUSPENDED	Fresh Acute	120.	14	1	0.07	2	0	0.00	2	0	0.00	6	0	0.00	4	1	0.25
	Drinking Water	5000.	14	0	0.00	2	0	0.00	2	0	0.00	6	0	0.00	4	0	0.00
01092 ZINC, TOTAL	Fresh Acute	120.	44	2	0.05	5	0	0.00	7	1	0.14	16	0	0.00	16	1	0.06
	Drinking Water	5000.	44	0	0.00	5	0	0.00	7	0	0.00	16	0	0.00	16	0	0.00
01095 ANTIMONY, DISSOLVED	Fresh Acute	88.	1	0	0.00										1	0	0.00
	Drinking Water	6.	1	0	0.00										1	0	0.00
01145 SELENIUM, DISSOLVED	Fresh Acute	20.	64	0	0.00	5	0	0.00	10	0	0.00	23	0	0.00	26	0	0.00
	Drinking Water	50.	64	0	0.00	5	0	0.00	10	0	0.00	23	0	0.00	26	0	0.00
01146 SELENIUM, SUSPENDED	Fresh Acute	20.	16	0	0.00	2	0	0.00	2	0	0.00	7	0	0.00	5	0	0.00
	Drinking Water	50.	16	0	0.00	2	0	0.00	2	0	0.00	7	0	0.00	5	0	0.00
01147 SELENIUM, TOTAL	Fresh Acute	20.	41	0	0.00	4	0	0.00	6	0	0.00	15	0	0.00	16	0	0.00
	Drinking Water	50.	41	0	0.00	4	0	0.00	6	0	0.00	15	0	0.00	16	0	0.00
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	21	4	0.19	2	0	0.00	3	0	0.00	7	2	0.29	9	2	0.22
31625 FECAL COLIFORM, MF	Other-Hi Lim.	200.	157	41	0.26	20	1	0.05	24	0	0.00	55	19	0.35	58	21	0.36
71856 NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	1	0	0.00										1	0	0.00
71890 MERCURY, DISSOLVED	Fresh Acute	2.4	52	1	0.02	4	0	0.00	9	0	0.00	18	1	0.06	21	0	0.00
	Drinking Water	2.	52	1	0.02	4	0	0.00	9	0	0.00	18	1	0.06	21	0	0.00
71895 MERCURY, SUSPENDED	Fresh Acute	2.4	16	0	0.00	2	0	0.00	2	0	0.00	6	0	0.00	6	0	0.00
	Drinking Water	2.	16	0	0.00	2	0	0.00	2	0	0.00	6	0	0.00	6	0	0.00
71900 MERCURY, TOTAL	Fresh Acute	2.4	41	1	0.02	4	0	0.00	6	0	0.00	15	0	0.00	16	1	0.06
	Drinking Water	2.	41	1	0.02	4	0	0.00	6	0	0.00	15	0	0.00	16	1	0.06

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: MNRR0086 Parameter Code: 80154

SUSP. SEDIMENT CONCENTRATION-EVAP. AT 1



NIOBRARA RIVER NR. VERDEL, NEBR.

Annual Analysis for 1971 - Station MNRR0086

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/71-08/24/94	3	1.	1.667	4.	0.	4.333	2.082	**	**	**	**
70342 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	11/21/71-08/14/90	3	1.	2.	4.	1.	3.	1.732	**	**	**	**
70343 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	11/21/71-08/14/90	3	23.	31.333	49.	22.	234.333	15.308	**	**	**	**
70344 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	11/21/71-08/14/90	3	91.	91.333	96.	87.	20.333	4.509	**	**	**	**
70345 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	11/21/71-08/14/90	3	100.	100.	100.	100.	0.	0.	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/21/71-08/24/94	3	1770.	1950.	2390.	1690.	146800.	383.145	**	**	**	**
80155 SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/21/71-07/21/82	3	7650.	9086.667	12400.	7210.	8282033.333	2877.852	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station MNRR0086

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/71-08/24/94	13	11.	12.962	29.	0.5	94.061	9.698	0.7	4.75	23.25	27.6
70342 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	11/21/71-08/14/90	13	3.	4.231	16.	0.	18.359	4.285	0.4	1.	6.	12.8
70343 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	11/21/71-08/14/90	13	34.	29.385	50.	6.	192.09	13.86	6.8	18.	41.	46.4
70344 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	11/21/71-08/14/90	13	82.	82.538	100.	57.	225.603	15.02	59.	70.5	97.	100.
70345 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	11/21/71-08/14/90	11	100.	98.909	100.	94.	4.091	2.023	94.6	97.	100.	100.
70346 SUS SED FALL DIA(DISTLD WATER)%FINER THAN 1.00MM	05/12/72-11/28/84	3	100.	100.	100.	100.	0.	0.	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/21/71-08/24/94	13	1090.	1562.846	4860.	589.	1522191.641	1233.771	602.6	732.5	2220.	4084.
80155 SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/21/71-07/21/82	13	5460.	12174.615	60600.	2190.	297266747.631	17241.425	2206.	3770.	9839.995	51440.
80158 BED MATERIAL FALL DIAMETER, % FINER THAN .062MM	07/19/72-04/27/82	4	0.	0.	0.	0.	0.	0.	**	**	**	**
80159 BED MATERIAL FALL DIAMETER, % FINER THAN .125MM	07/19/72-04/27/82	6	1.	1.167	3.	0.	1.367	1.169	**	**	**	**
80160 BED MATERIAL FALL DIAMETER, % FINER THAN .250MM	07/19/72-04/27/82	6	41.	39.167	54.	27.	111.767	10.572	**	**	**	**
80161 BED MATERIAL FALL DIAMETER, % FINER THAN .500MM	07/19/72-04/27/82	6	90.	87.333	97.	71.	81.467	9.026	**	**	**	**
80162 BED MATERIAL FALL DIAMETER, % FINER THAN 1.00MM	07/19/72-04/27/82	6	97.5	95.667	99.	85.	27.867	5.279	**	**	**	**
80169 BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	07/19/72-04/27/82	6	99.	98.167	100.	94.	4.567	2.137	**	**	**	**
80170 BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	07/19/72-08/07/84	5	100.	99.4	100.	98.	0.8	0.894	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station MNRR0086

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/71-08/24/94	17	16.5	16.971	27.	5.	31.983	5.655	8.2	14.25	19.75	27.
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/20/73-08/24/94	4	19.5	19.125	24.5	13.	22.896	4.785	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/04/73-08/24/94	1	2290.	2290.	2290.	2290.	0.	0.	**	**	**	**
00070 TURBIDITY, (JACKSON CANDLE UNITS)	06/20/73-08/05/80	4	52.5	56.25	90.	30.	656.25	25.617	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/18/73-08/24/94	7	272.	280.286	323.	236.	919.238	30.319	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	06/20/73-08/24/94	4	9.35	9.4	10.2	8.7	0.513	0.716	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	04/18/73-08/05/80	7	1.8	1.971	3.7	0.4	1.259	1.122	**	**	**	**
00400 PH (STANDARD UNITS)	05/10/73-08/24/94	5	8.1	7.98	8.3	7.6	0.077	0.277	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	05/10/73-08/24/94	5	8.1	7.908	8.3	7.6	0.084	0.289	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/10/73-08/24/94	5	0.008	0.012	0.025	0.005	0.	0.008	**	**	**	**
00600 NITROGEN, TOTAL (MG/L AS N)	10/04/73-03/22/83	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00605 NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/18/73-02/11/87	7	0.66	0.709	0.97	0.55	0.023	0.153	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/73-11/04/92	7	0.08	0.094	0.26	0.01	0.007	0.084	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/73-08/24/94	7	0.8	0.803	0.99	0.67	0.015	0.124	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/04/73-11/04/92	1	0.42	0.42	0.42	0.42	0.	0.	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	04/18/73-08/24/94	7	0.28	0.421	1.4	0.15	0.191	0.437	**	**	**	**
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)	04/18/73-08/24/94	7	0.1	0.099	0.15	0.04	0.002	0.045	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)	05/10/73-08/24/94	2	37.5	37.5	42.	33.	40.5	6.364	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	05/10/73-08/24/94	2	5.7	5.7	6.4	5.	0.98	0.99	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)	05/10/73-08/24/94	2	12.	12.	13.	11.	2.	1.414	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	04/18/73-08/24/94	7	2.	2.429	3.	2.	0.286	0.535	**	**	**	**

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Annual Analysis for 1973 - Station MNRR0086

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945 SULFATE, TOTAL (MG/L AS SO4)	05/10/73-08/24/94	2	24.5	24.5	34.	15.	180.5	13.435	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	05/10/73-08/24/94	2	0.5	0.5	0.6	0.4	0.02	0.141	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)	05/10/73-08/24/94	2	45.5	45.5	47.	44.	4.5	2.121	**	**	**	**
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/18/73-08/24/94	6	207.5	210.	253.	186.	539.6	23.229	**	**	**	**
70302 SOLIDS, DISSOLVED-TONS PER DAY	04/18/73-02/22/83	7	1080.	967.857	1330.	331.	158024.143	397.523	**	**	**	**
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/18/73-02/22/83	7	0.28	0.289	0.34	0.25	0.001	0.029	**	**	**	**
70342 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	11/21/71-08/14/90	9	23.	30.111	89.	5.	662.611	25.741	5.	14.5	39.5	89.
70343 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	11/21/71-08/14/90	9	38.	40.667	91.	9.	566.	23.791	9.	28.	51.5	91.
70344 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	11/21/71-08/14/90	9	80.	75.333	96.	47.	228.	15.1	47.	63.5	86.	96.
70345 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	11/21/71-08/14/90	9	99.	98.	100.	92.	7.75	2.784	92.	96.	100.	100.
70346 SUS SED FALL DIA(DISTLD WATER)%FINER THAN 1.00MM	05/12/72-11/28/84	5	100.	100.	100.	100.	0.	0.	**	**	**	**
71887 NITROGEN, TOTAL, AS NO3 - MG/L	10/04/73-03/22/83	1	6.	6.	6.	6.	0.	0.	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/21/71-08/24/94	9	1290.	1345.889	2660.	266.	760631.611	872.142	266.	483.5	2125.	2660.
80155 SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/21/71-07/21/82	9	5450.	9117.552	28600.	500.	102913078.559	10144.608	500.	1369.	16579.99	28600.
80158 BED MATERIAL FALL DIAMETER, % FINER THAN .062MM	07/19/72-04/27/82	11	0.	0.727	5.	0.	2.818	1.679	0.	0.	0.	4.6
80159 BED MATERIAL FALL DIAMETER, % FINER THAN .125MM	07/19/72-04/27/82	13	1.	3.385	20.	0.	36.423	6.035	0.	1.	2.	17.2
80160 BED MATERIAL FALL DIAMETER, % FINER THAN .250MM	07/19/72-04/27/82	13	36.	39.462	69.	18.	225.603	15.02	20.	28.5	47.5	67.
80161 BED MATERIAL FALL DIAMETER, % FINER THAN .500MM	07/19/72-04/27/82	13	93.	92.231	98.	79.	24.026	4.902	82.6	90.5	95.5	97.6
80162 BED MATERIAL FALL DIAMETER, % FINER THAN 1.00MM	07/19/72-04/27/82	13	99.	98.077	100.	87.	11.91	3.451	91.4	98.	100.	100.
80169 BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	07/19/72-04/27/82	8	99.	98.375	100.	91.	9.125	3.021	**	**	**	**
80170 BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	07/19/72-08/07/84	5	100.	98.8	100.	94.	7.2	2.683	**	**	**	**

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Annual Analysis for 1974 - Station MNRR0086

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/71-08/24/94	20	11.	11.025	25.5	0.5	89.17	9.443	0.5	1.	20.5	25.25
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/20/73-08/24/94	10	13.75	9.	25.	-9.5	148.556	12.188	1.5	-6.375	17.5	24.7
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/04/73-08/24/94	12	1320.	1343.333	2120.	886.	123863.515	351.942	888.4	1092.5	1540.	1991.
00070 TURBIDITY, (JACKSON CANDLE UNITS)	06/20/73-08/05/80	12	35.	52.5	130.	20.	1197.727	34.608	21.5	26.25	72.5	121.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/18/73-08/24/94	12	282.5	277.417	310.	240.	617.538	24.85	242.4	250.25	301.25	310.
00300 OXYGEN, DISSOLVED MG/L	06/20/73-08/24/94	11	10.5	10.627	12.8	8.	3.204	1.79	8.12	8.7	12.5	12.76
00310 BOD, 5 DAY, 20 DEG C MG/L	04/18/73-08/05/80	11	2.3	2.327	4.5	0.6	1.26	1.123	0.68	1.3	2.9	4.32
00400 PH (STANDARD UNITS)	05/10/73-08/24/94	12	7.65	7.65	8.	7.4	0.026	0.162	7.4	7.6	7.7	7.94
00400 CONVERTED PH (STANDARD UNITS)	05/10/73-08/24/94	12	7.647	7.623	8.	7.4	0.027	0.165	7.4	7.6	7.7	7.94
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/10/73-08/24/94	12	0.023	0.024	0.04	0.01	0.	0.009	0.012	0.02	0.025	0.04
00600 NITROGEN, TOTAL (MG/L AS N)	10/04/73-03/22/83	12	1.15	1.158	2.	0.51	0.137	0.37	0.606	0.925	1.3	1.85
00605 NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/18/73-02/11/87	12	0.44	0.494	1.1	0.11	0.079	0.281	0.122	0.305	0.617	1.022
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/73-11/04/92	12	0.1	0.163	0.64	0.02	0.03	0.174	0.026	0.055	0.253	0.535
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/73-08/24/94	12	0.635	0.66	1.2	0.2	0.101	0.318	0.218	0.373	0.925	1.17
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/04/73-11/04/92	12	0.435	0.491	0.95	0.04	0.118	0.343	0.067	0.145	0.85	0.941
00665 PHOSPHORUS, TOTAL (MG/L AS P)	04/18/73-08/24/94	12	0.2	0.234	0.49	0.11	0.012	0.11	0.122	0.153	0.28	0.457
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)	04/18/73-08/24/94	12	0.1	0.094	0.16	0.04	0.001	0.038	0.043	0.053	0.12	0.151
00915 CALCIUM, DISSOLVED (MG/L AS CA)	05/10/73-08/24/94	4	37.5	37.75	39.	37.	0.917	0.957	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	05/10/73-08/24/94	4	5.15	5.175	5.7	4.7	0.249	0.499	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)	05/10/73-08/24/94	4	10.	9.675	10.	8.7	0.423	0.65	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	04/18/73-08/24/94	12	2.	1.833	3.	1.	0.333	0.577	1.	1.25	2.	2.7
00945 SULFATE, TOTAL (MG/L AS SO4)	05/10/73-08/24/94	4	19.	18.	23.	11.	28.	5.292	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	05/10/73-08/24/94	4	0.4	0.375	0.4	0.3	0.003	0.05	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)	05/10/73-08/24/94	4	47.5	48.	55.	42.	42.	6.481	**	**	**	**
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/18/73-08/24/94	8	208.5	211.	238.	185.	378.286	19.45	**	**	**	**
70302 SOLIDS, DISSOLVED-TONS PER DAY	04/18/73-02/22/83	12	854.5	782.667	1200.	274.	87548.242	295.886	324.7	493.	982.5	1188.
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/18/73-02/22/83	12	0.275	0.281	0.32	0.25	0.	0.022	0.253	0.263	0.305	0.317
70342 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	11/21/71-08/14/90	8	52.	55.125	86.	38.	291.268	17.067	**	**	**	**
70343 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	11/21/71-08/14/90	8	81.5	76.375	100.	48.	375.125	19.368	**	**	**	**
70344 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	11/21/71-08/14/90	7	96.	93.571	100.	85.	38.286	6.188	**	**	**	**

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Annual Analysis for 1974 - Station MNRR0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70345	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	11/21/71-08/14/90	6	100.	100.	100.	100.	0.	0.	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/04/73-03/22/83	12	5.	5.108	8.9	2.3	2.659	1.631	2.72	4.125	5.65	8.24
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/21/71-08/24/94	8	566.5	497.125	632.	305.	18905.268	137.496	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/21/71-07/21/82	8	2295.	2079.	4040.	557.	1189349.429	1090.573	**	**	**	**
80158	BED MATERIAL FALL DIAMETER, % FINER THAN .062MM	07/19/72-04/27/82	8	0.	0.125	1.	0.	0.125	0.354	**	**	**	**
80159	BED MATERIAL FALL DIAMETER, % FINER THAN .125MM	07/19/72-04/27/82	14	2.5	3.429	9.	0.	14.11	3.756	0.	0.	8.	9.
80160	BED MATERIAL FALL DIAMETER, % FINER THAN .250MM	07/19/72-04/27/82	14	39.	42.5	66.	18.	170.115	13.043	23.5	33.75	54.	61.5
80161	BED MATERIAL FALL DIAMETER, % FINER THAN .500MM	07/19/72-04/27/82	14	94.	93.786	99.	83.	17.874	4.228	85.5	92.75	97.	98.5
80162	BED MATERIAL FALL DIAMETER, % FINER THAN 1.00MM	07/19/72-04/27/82	14	99.	98.5	100.	92.	4.577	2.139	94.	98.75	100.	100.
80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	07/19/72-04/27/82	10	99.	98.9	100.	95.	2.322	1.524	95.3	98.75	100.	100.
80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	07/19/72-08/07/84	6	100.	99.333	100.	97.	1.467	1.211	**	**	**	**

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Annual Analysis for 1975 - Station MNRR0086

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		11/21/71-08/24/94	5	7.	9.6	25.	0.5	109.675	10.473	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)		06/20/73-08/24/94	4	12.25	13.875	27.	4.	110.063	10.491	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS	CFS	10/04/73-08/24/94	21	800.	1029.	2440.	554.	245022.2	494.997	561.	649.5	1300.	1900.
00070	TURBIDITY, (JACKSON CANDLE UNITS)		06/20/73-08/05/80	4	37.5	41.25	70.	20.	539.583	23.229	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/18/73-08/24/94	4	248.5	251.25	270.	238.	194.25	13.937	**	**	**	**
00300	OXYGEN, DISSOLVED	MG/L	06/20/73-08/24/94	4	11.05	10.7	11.5	9.2	1.18	1.086	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C	MG/L	04/18/73-08/05/80	4	3.9	3.9	7.1	0.7	6.833	2.614	**	**	**	**
00400	PH (STANDARD UNITS)		05/10/73-08/24/94	4	7.85	7.8	8.1	7.4	0.087	0.294	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)		05/10/73-08/24/94	4	7.847	7.72	8.1	7.4	0.095	0.308	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/10/73-08/24/94	4	0.014	0.019	0.04	0.008	0.	0.014	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)		10/04/73-03/22/83	4	1.15	1.323	2.3	0.69	0.473	0.688	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)		04/18/73-02/11/87	4	0.755	0.863	1.7	0.24	0.381	0.617	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/18/73-11/04/92	4	0.01	0.03	0.09	0.01	0.002	0.04	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/18/73-08/24/94	4	0.805	0.89	1.7	0.25	0.378	0.615	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/04/73-11/04/92	4	0.39	0.433	0.9	0.05	0.164	0.406	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)		04/18/73-08/24/94	4	0.13	0.173	0.33	0.1	0.011	0.106	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)		04/18/73-08/24/94	4	0.055	0.055	0.08	0.03	0.	0.021	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)		05/10/73-08/24/94	3	33.	32.667	33.	32.	0.333	0.577	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		05/10/73-08/24/94	3	4.7	4.7	5.5	3.9	0.64	0.8	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)		05/10/73-08/24/94	3	9.6	9.5	9.7	9.2	0.07	0.265	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER	MG/L	04/18/73-08/24/94	4	2.	2.	3.	1.	0.667	0.816	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)		05/10/73-08/24/94	3	12.	11.667	13.	10.	2.333	1.528	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)		05/10/73-08/24/94	3	0.4	0.367	0.4	0.3	0.003	0.058	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SIO2)		05/10/73-08/24/94	3	48.	48.333	51.	46.	6.333	2.517	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L		04/18/73-08/24/94	4	182.	183.5	200.	170.	163.667	12.793	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY		04/18/73-02/22/83	4	459.5	477.5	707.	284.	33757.667	183.733	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT		04/18/73-02/22/83	4	0.245	0.248	0.27	0.23	0.	0.017	**	**	**	**
70342	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM		11/21/71-08/14/90	1	38.	38.	38.	38.	0.	0.	**	**	**	**
70343	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM		11/21/71-08/14/90	1	75.	75.	75.	75.	0.	0.	**	**	**	**
70344	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM		11/21/71-08/14/90	1	92.	92.	92.	92.	0.	0.	**	**	**	**
70345	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM		11/21/71-08/14/90	1	100.	100.	100.	100.	0.	0.	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L		10/04/73-03/22/83	4	5.	5.775	10.	3.1	8.743	2.957	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)		11/21/71-08/24/94	9	690.	705.111	1300.	244.	153873.111	392.267	244.	348.	1054.5	1300.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)		11/21/71-07/21/82	9	1380.	2337.11	6050.	365.	3913932.604	1978.366	365.	854.5	4009.995	6050.
80158	BED MATERIAL FALL DIAMETER, % FINER THAN .062MM		07/19/72-04/27/82	9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
80159	BED MATERIAL FALL DIAMETER, % FINER THAN .125MM		07/19/72-04/27/82	11	1.	1.636	5.	0.	2.055	1.433	0.	1.	2.	4.6
80160	BED MATERIAL FALL DIAMETER, % FINER THAN .250MM		07/19/72-04/27/82	11	44.	41.818	64.	16.	147.564	12.148	19.	37.	48.	61.6
80161	BED MATERIAL FALL DIAMETER, % FINER THAN .500MM		07/19/72-04/27/82	11	90.	88.909	98.	70.	56.491	7.516	72.6	87.	94.	97.6
80162	BED MATERIAL FALL DIAMETER, % FINER THAN 1.00MM		07/19/72-04/27/82	11	97.	97.091	100.	93.	4.291	2.071	93.4	96.	98.	100.
80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM		07/19/72-04/27/82	9	98.	98.111	99.	96.	0.861	0.928	96.	98.	99.	99.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station MNRR0086

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
80170 BED MATERIAL SIEVE DIAMETER.% FINER THAN 4.00MM	07/19/72-08/07/84	9	100.	99.556	100.	99.	0.278	0.527	99.	99.	100.	100.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station MNRR0086

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/71-08/24/94	15	13.	13.467	24.	0.5	44.802	6.693	3.8	8.	19.5	22.5
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/20/73-08/24/94	4	16.75	16.125	23.	8.	60.063	7.75	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/04/73-08/24/94	18	1200.	1264.5	1860.	775.	95872.971	309.634	842.5	1071.	1500.	1806.
00070 TURBIDITY, (JACKSON CANDLE UNITS)	06/20/73-08/05/80	4	50.	52.5	65.	45.	91.667	9.574	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/18/73-08/24/94	4	247.	249.75	271.	234.	238.917	15.457	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	06/20/73-08/24/94	4	9.95	10.275	11.7	9.5	0.949	0.974	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	04/18/73-08/05/80	4	5.2	4.85	8.2	0.8	10.597	3.255	**	**	**	**
00340 COD, .25N K2CR207 MG/L	03/23/76-08/29/89	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	05/10/73-08/24/94	3	7.5	7.567	7.7	7.5	0.013	0.115	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	05/10/73-08/24/94	3	7.5	7.557	7.7	7.5	0.013	0.116	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/10/73-08/24/94	3	0.032	0.028	0.032	0.02	0.	0.007	**	**	**	**
00600 NITROGEN, TOTAL (MG/L AS N)	10/04/73-03/22/83	4	1.55	1.65	2.5	1.	0.403	0.635	**	**	**	**
00605 NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/18/73-02/11/87	4	0.775	0.935	1.6	0.59	0.205	0.452	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/73-11/04/92	4	0.02	0.026	0.06	0.005	0.001	0.024	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/73-08/24/94	4	0.785	0.97	1.7	0.61	0.244	0.494	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/04/73-11/04/92	4	0.665	0.66	0.92	0.39	0.057	0.239	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	04/18/73-08/24/94	4	0.245	0.235	0.25	0.2	0.001	0.024	**	**	**	**
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)	04/18/73-08/24/94	4	0.075	0.078	0.09	0.07	0.	0.01	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	03/23/76-08/29/89	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)	05/10/73-08/24/94	4	34.	34.25	37.	32.	4.917	2.217	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	05/10/73-08/24/94	4	4.65	4.975	6.4	4.2	0.963	0.981	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)	05/10/73-08/24/94	4	9.15	9.225	10.	8.6	0.376	0.613	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	04/18/73-08/24/94	4	2.	2.25	4.	1.	1.583	1.258	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	05/10/73-08/24/94	4	15.5	16.75	26.	10.	44.917	6.702	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	05/10/73-08/24/94	4	0.4	0.375	0.4	0.3	0.003	0.05	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)	05/10/73-08/24/94	4	46.	45.5	46.	44.	1.	1.	**	**	**	**
31625 FECAL COLIFORM, MF,M-FC, 0.7 UM	10/20/76-08/24/94	2	35.	35.	48.	22.	338.	18.385	**	**	**	**
31625 LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/20/76-08/24/94	2	1.512	1.512	1.681	1.342	0.057	0.24	**	**	**	**
31625 GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =		32.496									
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/18/73-08/24/94	4	185.5	189.5	207.	180.	163.	12.767	**	**	**	**
70302 SOLIDS, DISSOLVED-TONS PER DAY	04/18/73-02/22/83	4	651.	680.5	866.	554.	23657.	153.808	**	**	**	**
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/18/73-02/22/83	4	0.25	0.255	0.28	0.24	0.	0.019	**	**	**	**
70342 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	11/21/71-08/14/90	13	24.	22.692	37.	10.	84.064	9.169	10.8	14.5	30.5	36.6
70343 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	11/21/71-08/14/90	13	47.	45.692	82.	25.	292.564	17.105	25.	30.	56.5	75.2
70344 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	11/21/71-08/14/90	13	84.	80.077	92.	64.	98.077	9.903	64.4	69.	88.	91.2
70345 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	11/21/71-08/14/90	13	98.	95.615	100.	80.	33.59	5.796	83.2	94.	99.	100.
70346 SUS SED FALL DIA(DISTLD WATER)%FINER THAN 1.00MM	05/12/72-11/28/84	11	100.	98.727	100.	86.	17.818	4.221	88.8	100.	100.	100.
71887 NITROGEN, TOTAL, AS NO3 - MG/L	10/04/73-03/22/83	4	6.7	7.2	11.	4.4	7.92	2.814	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/21/71-08/24/94	13	485.	645.385	1440.	206.	150388.923	387.8	210.4	340.	989.	1308.
80155 SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/21/71-07/21/82	13	1600.	2183.846	5830.	454.	2496428.141	1580.009	596.8	962.5	3160.	5166.
80158 BED MATERIAL FALL DIAMETER, % FINER THAN .062MM	07/19/72-04/27/82	10	0.	0.2	1.	0.	0.178	0.422	0.	0.	0.25	1.
80159 BED MATERIAL FALL DIAMETER, % FINER THAN .125MM	07/19/72-04/27/82	14	2.	2.357	11.	0.	8.247	2.872	0.	0.	3.25	7.5
80160 BED MATERIAL FALL DIAMETER, % FINER THAN .250MM	07/19/72-04/27/82	14	44.5	42.857	65.	27.	147.209	12.133	27.5	28.75	51.5	61.5
80161 BED MATERIAL FALL DIAMETER, % FINER THAN .500MM	07/19/72-04/27/82	14	90.5	89.571	96.	72.	40.879	6.394	76.5	88.	93.5	96.
80162 BED MATERIAL FALL DIAMETER, % FINER THAN 1.00MM	07/19/72-04/27/82	14	97.	96.071	100.	82.	20.533	4.531	87.	95.75	99.	99.5
80169 BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	07/19/72-04/27/82	13	99.	97.615	99.	87.	10.59	3.254	91.	98.	99.	99.
80170 BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	07/19/72-08/07/84	13	100.	99.	100.	92.	4.667	2.16	94.8	99.	100.	100.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station MNRR0086

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		11/21/71-08/24/94	13	9.5	11.154	25.5	0.5	78.849	8.88	0.5	1.5	18.75	24.7
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)		06/20/73-08/24/94	11	19.5	14.727	27.5	-11.	140.318	11.846	5.2	9.	26.	-3.3
00061	FLOW, STREAM, INSTANTANEOUS	CFS	10/04/73-08/24/94	24	1450.	1767.792	4240.	827.	856462.259	925.452	1105.	1177.5	1775.	3800.
00070	TURBIDITY, (JACKSON CANDLE UNITS)		06/20/73-08/05/80	11	65.	84.818	230.	8.	5090.364	71.347	8.4	40.	150.	220.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/18/73-08/24/94	11	263.	269.	322.	233.	731.2	27.041	234.8	248.	291.	316.2
00300	OXYGEN, DISSOLVED	MG/L	06/20/73-08/24/94	10	9.45	9.56	12.7	7.5	2.578	1.606	7.53	7.95	10.75	12.52
00310	BOD, 5 DAY, 20 DEG C	MG/L	04/18/73-08/05/80	10	4.4	4.26	9.4	0.9	6.545	2.558	0.97	2.2	5.625	9.06
00340	COD, .25N K2CR2O7	MG/L	03/23/76-08/29/89	2	54.5	54.5	86.	23.	1984.5	44.548	**	**	**	**
00400	PH (STANDARD UNITS)		05/10/73-08/24/94	11	7.7	7.836	8.6	7.3	0.147	0.383	7.32	7.6	8.1	8.54
00400	CONVERTED PH (STANDARD UNITS)		05/10/73-08/24/94	11	7.7	7.708	8.6	7.3	0.165	0.406	7.32	7.6	8.1	8.54
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/10/73-08/24/94	11	0.02	0.02	0.05	0.003	0.	0.015	0.003	0.008	0.025	0.048
00600	NITROGEN, TOTAL (MG/L AS N)		10/04/73-03/22/83	8	1.3	1.946	4.8	0.69	1.835	1.355	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)		04/18/73-02/11/87	8	0.91	1.455	4.7	0.16	2.247	1.499	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/18/73-11/04/92	10	0.025	0.04	0.14	0.005	0.002	0.041	0.006	0.01	0.06	0.132
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/18/73-08/24/94	8	0.95	1.496	4.8	0.17	2.331	1.527	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/04/73-11/04/92	9	0.37	0.486	1.1	0.01	0.136	0.369	0.01	0.17	0.8	1.1
00665	PHOSPHORUS, TOTAL (MG/L AS P)		04/18/73-08/24/94	10	0.295	0.407	0.97	0.14	0.078	0.28	0.141	0.21	0.568	0.953
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)		04/18/73-08/24/94	10	0.09	0.09	0.15	0.03	0.001	0.037	0.03	0.075	0.11	0.146
00680	CARBON, TOTAL ORGANIC (MG/L AS C)		03/23/76-08/29/89	4	6.1	9.6	21.	5.2	58.367	7.64	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)		05/10/73-08/24/94	8	35.5	37.	44.	31.	18.857	4.342	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		05/10/73-08/24/94	8	4.7	4.975	6.2	4.2	0.516	0.719	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)		05/10/73-08/24/94	9	10.	12.644	34.	7.1	67.44	8.212	7.1	8.65	12.5	34.
00940	CHLORIDE,TOTAL IN WATER	MG/L	04/18/73-08/24/94	10	2.5	2.5	4.	1.	0.722	0.85	1.1	2.	3.	3.9
00945	SULFATE, TOTAL (MG/L AS SO4)		05/10/73-08/24/94	10	14.	16.9	28.	11.	37.878	6.154	11.1	12.	22.25	27.8
00950	FLUORIDE, DISSOLVED (MG/L AS F)		05/10/73-08/24/94	9	0.4	0.367	0.5	0.2	0.008	0.087	0.2	0.3	0.4	0.5
00955	SILICA, DISSOLVED (MG/L AS SIO2)		05/10/73-08/24/94	10	47.5	46.	59.	27.	66.444	8.151	28.5	42.75	49.25	58.1
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM		10/20/76-08/24/94	10	185.	358.3	1500.	15.	213745.122	462.326	15.7	66.25	582.5	1421.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM		10/20/76-08/24/94	10	2.228	2.199	3.176	1.176	0.413	0.643	1.193	1.767	2.762	3.144
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM		GEOMETRIC MEAN =		158.034									
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		07/26/77-08/24/94	5	760.	562.	860.	170.	103020.	320.967	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		07/26/77-08/24/94	5	2.881	2.668	2.934	2.23	0.104	0.323	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		GEOMETRIC MEAN =		465.918									
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L		04/18/73-08/24/94	10	187.	194.3	232.	165.	511.567	22.618	165.7	181.	218.	231.5
70302	SOLIDS, DISSOLVED-TONS PER DAY		04/18/73-02/22/83	10	694.5	887.	1890.	507.	203317.111	450.907	512.	583.25	1115.	1847.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT		04/18/73-02/22/83	10	0.255	0.264	0.32	0.22	0.001	0.033	0.221	0.245	0.295	0.319
70342	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM		11/21/71-08/14/90	12	27.	29.083	70.	12.	238.447	15.442	12.6	17.75	33.25	61.6
70343	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM		11/21/71-08/14/90	11	45.	44.909	86.	23.	307.091	17.524	23.4	32.	47.	81.2
70344	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM		11/21/71-08/14/90	12	78.	76.167	94.	50.	176.333	13.279	53.6	64.5	88.25	92.8
70345	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM		11/21/71-08/14/90	12	97.	95.	100.	81.	29.636	5.444	83.7	91.75	98.75	100.
70346	SUS SED FALL DIA(DISTLD WATER)%FINER THAN 1.00MM		05/12/72-11/28/84	10	100.	99.6	100.	97.	0.933	0.966	97.2	99.75	100.	100.
71887	NITROGEN, TOTAL, AS NO3 - MG/L		10/04/73-03/22/83	8	5.8	8.588	21.	3.1	34.844	5.903	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)		11/21/71-08/24/94	12	1160.	1610.667	3530.	222.	1075788.606	1037.202	400.2	987.5	2350.	3497.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)		11/21/71-07/21/82	12	4510.	10332.416	38400.	779.	151877926.815	12323.876	1370.3	3202.5	12000.	36720.
80158	BED MATERIAL FALL DIAMETER, % FINER THAN .062MM		07/19/72-04/27/82	9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
80159	BED MATERIAL FALL DIAMETER, % FINER THAN .125MM		07/19/72-04/27/82	12	1.	1.25	3.	0.	1.114	1.055	0.	0.25	2.	3.
80160	BED MATERIAL FALL DIAMETER, % FINER THAN .250MM		07/19/72-04/27/82	12	33.5	34.333	48.	20.	44.97	6.706	22.7	32.	38.25	45.6
80161	BED MATERIAL FALL DIAMETER, % FINER THAN .500MM		07/19/72-04/27/82	12	89.5	86.583	95.	73.	63.356	7.96	73.6	80.25	94.	94.7
80162	BED MATERIAL FALL DIAMETER, % FINER THAN 1.00MM		07/19/72-04/27/82	12	97.	96.667	100.	91.	9.152	3.025	91.3	95.	99.75	100.
80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM		07/19/72-04/27/82	9	99.	98.222	100.	94.	2.944	1.716	94.	98.	99.	100.
80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM		07/19/72-08/07/84	8	99.5	99.25	100.	97.	1.071	1.035	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station MNRR0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		11/21/71-08/24/94	45	18.	15.956	31.	0.5	87.168	9.336	0.5	7.5	23.	26.2
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		06/20/73-08/24/94	10	21.75	15.15	32.5	-10.	205.781	14.345	0.75	8.625	30.25	-5.75
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/04/73-08/24/94	28	1390.	1834.821	4220.	784.	1154733.041	1074.585	886.	1155.	2790.	3689.
00070 TURBIDITY, (JACKSON CANDLE UNITS)		06/20/73-08/05/80	12	72.5	94.	310.	8.	8248.364	90.821	11.6	36.25	100.	289.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/18/73-08/24/94	30	250.5	255.167	319.	231.	516.489	22.726	233.1	237.5	264.75	296.7
00300 OXYGEN, DISSOLVED	MG/L	06/20/73-08/24/94	29	8.5	9.517	14.	7.9	3.662	1.914	7.9	8.15	11.1	12.5
00310 BOD, 5 DAY, 20 DEG C	MG/L	04/18/73-08/05/80	12	3.4	4.175	15.	1.	13.786	3.713	1.06	1.9	4.775	12.3
00400 PH (STANDARD UNITS)		05/10/73-08/24/94	30	7.5	7.527	7.9	7.3	0.037	0.193	7.3	7.4	7.7	7.8
00400 CONVERTED PH (STANDARD UNITS)		05/10/73-08/24/94	30	7.5	7.489	7.9	7.3	0.039	0.197	7.3	7.4	7.7	7.8
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/10/73-08/24/94	30	0.032	0.032	0.05	0.013	0.	0.013	0.016	0.02	0.04	0.05
00600 NITROGEN, TOTAL (MG/L AS N)		10/04/73-03/22/83	10	1.45	1.552	2.8	0.93	0.315	0.562	0.936	1.073	1.8	2.73
00605 NITROGEN, ORGANIC, TOTAL (MG/L AS N)		04/18/73-02/11/87	10	0.92	0.958	1.9	0.18	0.223	0.472	0.21	0.705	1.3	1.84
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/18/73-11/04/92	11	0.06	0.08	0.21	0.01	0.005	0.07	0.012	0.03	0.16	0.204
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/18/73-08/24/94	10	0.95	1.045	2.1	0.22	0.288	0.536	0.249	0.735	1.5	2.04
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/04/73-11/04/92	11	0.6	0.545	1.1	0.01	0.153	0.391	0.01	0.01	0.91	1.072
00665 PHOSPHORUS, TOTAL (MG/L AS P)		04/18/73-08/24/94	11	0.26	0.347	0.8	0.13	0.047	0.216	0.136	0.21	0.44	0.776
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)		04/18/73-08/24/94	11	0.09	0.082	0.12	0.01	0.001	0.037	0.012	0.07	0.11	0.118
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		03/23/76-08/29/89	8	9.55	9.113	19.	2.	30.118	5.488	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		05/10/73-08/24/94	11	39.	38.091	45.	32.	18.291	4.277	32.2	34.	42.	44.6
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		05/10/73-08/24/94	11	5.4	5.464	6.8	4.4	0.513	0.716	4.48	4.8	6.2	6.7
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/10/73-08/24/94	11	9.9	10.245	13.	8.4	2.331	1.527	8.48	8.9	12.	12.8
00940 CHLORIDE,TOTAL IN WATER	MG/L	04/18/73-08/24/94	11	2.	2.182	3.	2.	0.164	0.405	2.	2.	2.	3.
00945 SULFATE, TOTAL (MG/L AS SO4)		05/10/73-08/24/94	11	19.	20.273	31.	14.	34.018	5.833	14.2	15.	27.	30.4
00950 FLUORIDE, DISSOLVED (MG/L AS F)		05/10/73-08/24/94	11	0.3	0.336	0.4	0.2	0.005	0.067	0.22	0.3	0.4	0.4
00955 SILICA, DISSOLVED (MG/L AS SIO2)		05/10/73-08/24/94	11	47.	44.545	55.	29.	60.073	7.751	30.2	40.	51.	54.2
31625 FECAL COLIFORM, MF,M-FC, 0.7 UM		10/20/76-08/24/94	11	130.	495.909	2100.	11.	455121.491	674.627	12.6	56.	1100.	1900.
31625 LOG FECAL COLIFORM, MF,M-FC, 0.7 UM		10/20/76-08/24/94	11	2.114	2.217	3.322	1.041	0.564	0.751	1.089	1.748	3.041	3.266
31625 GM FECAL COLIFORM, MF,M-FC, 0.7 UM		GEOMETRIC MEAN =		164.974									
31673 FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		07/26/77-08/24/94	11	800.	3404.	21000.	84.	41955568.	6477.312	103.2	540.	1300.	18800.
31673 LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		07/26/77-08/24/94	11	2.903	2.998	4.322	1.924	0.463	0.68	1.99	2.732	3.114	4.258
31673 GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		GEOMETRIC MEAN =		994.702									
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L		04/18/73-08/24/94	11	199.	199.545	233.	174.	313.273	17.7	175.4	181.	208.	230.6
70302 SOLIDS, DISSOLVED-TONS PER DAY		04/18/73-02/22/83	11	717.	994.727	2370.	438.	394893.618	628.406	438.	629.	1670.	2238.
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT		04/18/73-02/22/83	11	0.27	0.273	0.32	0.24	0.001	0.023	0.242	0.25	0.28	0.316
70342 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM		11/21/71-08/14/90	15	24.	27.933	58.	10.	183.781	13.557	11.8	20.	37.	53.2
70343 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM		11/21/71-08/14/90	15	45.	44.133	72.	16.	252.124	15.878	18.4	37.	54.	70.8
70344 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM		11/21/71-08/14/90	15	78.	78.4	98.	59.	116.257	10.782	62.	69.	87.	92.
70345 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM		11/21/71-08/14/90	15	98.	97.333	100.	93.	4.524	2.127	93.6	95.	99.	99.4
70346 SUS SED FALL DIA(DISTLD WATER)%FINER THAN 1.00MM		05/12/72-11/28/84	14	100.	99.857	100.	99.	0.132	0.363	99.	100.	100.	100.
71887 NITROGEN, TOTAL, AS NO3 - MG/L		10/04/73-03/22/83	10	6.4	6.84	12.	4.1	5.734	2.395	4.13	4.85	8.1	11.73
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)		11/21/71-08/24/94	15	1500.	1394.	3150.	328.	502836.	709.109	569.2	746.	1860.	2508.
80155 SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)		11/21/71-07/21/82	15	3760.	8260.6	35900.	939.	88502595.4	9407.582	1437.6	2370.	11300.	26600.
80158 BED MATERIAL FALL DIAMETER, % FINER THAN .062MM		07/19/72-04/27/82	8	0.	0.	0.	0.	0.	0.	**	**	**	**
80159 BED MATERIAL FALL DIAMETER, % FINER THAN .125MM		07/19/72-04/27/82	13	2.	2.846	11.	0.	13.308	3.648	0.	0.	3.	10.6
80160 BED MATERIAL FALL DIAMETER, % FINER THAN .250MM		07/19/72-04/27/82	13	35.	37.077	76.	17.	203.91	14.28	18.2	30.5	41.	64.
80161 BED MATERIAL FALL DIAMETER, % FINER THAN .500MM		07/19/72-04/27/82	13	88.	84.615	94.	60.	106.59	10.324	64.4	78.5	92.	93.6
80162 BED MATERIAL FALL DIAMETER, % FINER THAN 1.00MM		07/19/72-04/27/82	13	97.	95.692	100.	85.	16.897	4.111	87.4	94.	98.5	99.6
80169 BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM		07/19/72-04/27/82	12	99.	98.417	100.	95.	2.629	1.621	95.3	97.25	99.75	100.
80170 BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM		07/19/72-08/07/84	10	99.5	99.3	100.	98.	0.678	0.823	98.	98.75	100.	100.

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Annual Analysis for 1979 - Station MNRR0086

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/71-08/24/94	36	19.5	15.667	30.	0.5	102.114	10.105	0.5	4.375	24.	26.65
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/20/73-08/24/94	11	17.5	11.	27.5	-11.	164.65	12.832	3.6	9.5	24.5	-3.3

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Annual Analysis for 1979 - Station MNRR0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/04/73-08/24/94	37	1060.	1316.919	4260.	690.	612106.521	782.372	777.	992.	1380.	2000.
00070 TURBIDITY, (JACKSON CANDLE UNITS)		06/20/73-08/05/80	11	40.	55.909	160.	10.	2729.091	52.241	11.	15.	95.	156.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/18/73-08/24/94	23	241.	247.13	332.	223.	589.119	24.272	225.8	231.	251.	275.6
00300 OXYGEN, DISSOLVED	MG/L	06/20/73-08/24/94	23	8.3	9.143	13.2	6.9	4.101	2.025	7.04	7.6	10.3	12.78
00310 BOD, 5 DAY, 20 DEG C	MG/L	04/18/73-08/05/80	10	4.	3.93	5.8	1.5	1.282	1.132	1.68	3.375	4.65	5.7
00400 PH (STANDARD UNITS)		05/10/73-08/24/94	23	7.8	7.817	8.5	7.2	0.149	0.386	7.3	7.4	8.1	8.36
00400 CONVERTED PH (STANDARD UNITS)		05/10/73-08/24/94	23	7.8	7.665	8.5	7.2	0.173	0.416	7.3	7.4	8.1	8.36
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/10/73-08/24/94	23	0.016	0.022	0.063	0.003	0.	0.018	0.004	0.008	0.04	0.05
00600 NITROGEN, TOTAL (MG/L AS N)		10/04/73-03/22/83	10	1.4	1.836	4.8	0.86	1.596	1.263	0.874	1.075	2.125	4.66
00605 NITROGEN, ORGANIC, TOTAL (MG/L AS N)		04/18/73-02/11/87	10	0.755	1.096	3.5	0.18	1.109	1.053	0.2	0.508	1.285	3.4
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/18/73-11/04/92	10	0.035	0.053	0.24	0.01	0.005	0.068	0.01	0.018	0.055	0.223
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/18/73-08/24/94	10	0.795	1.139	3.7	0.2	1.195	1.093	0.22	0.535	1.308	3.58
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/04/73-11/04/92	10	0.76	0.681	1.1	0.01	0.17	0.412	0.019	0.325	1.1	1.1
00665 PHOSPHORUS, TOTAL (MG/L AS P)		04/18/73-08/24/94	10	0.16	0.276	0.8	0.14	0.049	0.221	0.14	0.148	0.33	0.774
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)		04/18/73-08/24/94	10	0.07	0.073	0.13	0.01	0.001	0.037	0.013	0.048	0.11	0.128
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		03/23/76-08/29/89	7	7.5	10.643	27.	3.	76.016	8.719	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		05/10/73-08/24/94	10	36.	36.9	45.	33.	14.544	3.814	33.	33.75	40.	44.5
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		05/10/73-08/24/94	10	5.	5.03	6.1	4.3	0.396	0.629	4.31	4.4	5.6	6.05
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/10/73-08/24/94	10	9.9	9.87	12.	8.7	1.033	1.017	8.71	9.025	10.25	11.9
00940 CHLORIDE,TOTAL IN WATER	MG/L	04/18/73-08/24/94	10	2.	2.5	7.	1.	2.722	1.65	1.1	2.	2.25	6.6
00945 SULFATE, TOTAL (MG/L AS SO4)		05/10/73-08/24/94	10	18.5	20.4	34.	12.	46.044	6.786	12.2	15.5	25.75	33.4
00950 FLUORIDE, DISSOLVED (MG/L AS F)		05/10/73-08/24/94	10	0.3	0.34	0.5	0.3	0.005	0.07	0.3	0.3	0.4	0.49
00955 SILICA, DISSOLVED (MG/L AS SIO2)		05/10/73-08/24/94	10	49.5	48.6	58.	31.	66.489	8.154	32.1	43.5	55.	58.
31625 FECAL COLIFORM, MF,M-FC, 0.7 UM		10/20/76-08/24/94	10	66.5	227.1	780.	19.	82931.656	287.979	20.2	35.5	475.	769.
31625 LOG FECAL COLIFORM, MF,M-FC, 0.7 UM		10/20/76-08/24/94	10	1.796	2.005	2.892	1.279	0.348	0.59	1.3	1.549	2.666	2.885
31625 GM FECAL COLIFORM, MF,M-FC, 0.7 UM		GEOMETRIC MEAN =		101.181									
31673 FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		07/26/77-08/24/94	10	730.	1369.6	4700.	80.	2284352.711	1511.408	81.6	219.	2625.	4500.
31673 LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		07/26/77-08/24/94	10	2.845	2.832	3.672	1.903	0.366	0.605	1.911	2.307	3.419	3.648
31673 GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		GEOMETRIC MEAN =		679.331									
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L		04/18/73-08/24/94	10	198.	200.7	237.	174.	327.344	18.093	175.3	188.5	211.75	235.3
70302 SOLIDS, DISSOLVED-TONS PER DAY		04/18/73-02/22/83	10	617.	790.3	2000.	417.	230717.789	480.331	420.1	487.75	948.5	1913.
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT		04/18/73-02/22/83	10	0.27	0.273	0.32	0.24	0.001	0.024	0.241	0.258	0.285	0.318
70342 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM		11/21/71-08/14/90	13	27.	29.154	80.	9.	314.141	17.724	10.2	17.5	34.5	63.2
70343 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM		11/21/71-08/14/90	13	42.	44.308	83.	25.	220.731	14.857	26.6	35.	50.	73.4
70344 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM		11/21/71-08/14/90	13	81.	81.	91.	68.	42.833	6.545	68.8	78.5	86.	89.8
70345 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM		11/21/71-08/14/90	13	98.	96.846	100.	89.	8.474	2.911	91.	95.5	99.	99.6
70346 SUS SED FALL DIA(DISTLD WATER)%FINER THAN 1.00MM		05/12/72-11/28/84	12	100.	99.75	100.	97.	0.75	0.866	97.9	100.	100.	100.
71887 NITROGEN, TOTAL, AS NO3 - MG/L		10/04/73-03/22/83	10	6.15	8.04	21.	3.8	30.749	5.545	3.87	4.65	9.3	20.4
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)		11/21/71-08/24/94	13	1140.	1063.692	2200.	304.	345540.064	587.827	306.8	464.5	1380.	2032.
80155 SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)		11/21/71-07/21/82	13	3870.	4719.	15600.	579.	18424674.333	4292.397	602.6	1300.	6575.	13352.
80158 BED MATERIAL FALL DIAMETER, % FINER THAN .062MM		07/19/72-04/27/82	7	0.	0.	0.	0.	0.	0.	**	**	**	**
80159 BED MATERIAL FALL DIAMETER, % FINER THAN .125MM		07/19/72-04/27/82	14	1.	1.214	4.	0.	1.874	1.369	0.	0.	2.25	3.5
80160 BED MATERIAL FALL DIAMETER, % FINER THAN .250MM		07/19/72-04/27/82	14	28.	28.714	44.	16.	80.374	8.965	16.5	21.	36.	43.5
80161 BED MATERIAL FALL DIAMETER, % FINER THAN .500MM		07/19/72-04/27/82	14	86.	83.857	98.	65.	97.363	9.867	65.	79.	90.	97.
80162 BED MATERIAL FALL DIAMETER, % FINER THAN 1.00MM		07/19/72-04/27/82	14	95.5	95.643	100.	86.	13.324	3.65	89.	94.	99.	99.5
80169 BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM		07/19/72-04/27/82	13	98.	97.846	100.	93.	3.308	1.819	94.6	97.	99.	100.
80170 BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM		07/19/72-08/07/84	11	99.	99.182	100.	98.	0.364	0.603	98.2	99.	100.	100.

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Annual Analysis for 1980 - Station MNRR0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		11/21/71-08/24/94	40	23.	20.175	32.	0.5	82.687	9.093	1.05	18.125	25.	29.95
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		06/20/73-08/24/94	10	30.	16.4	33.	-10.	283.489	16.837	1.4	-1.375	32.25	-5.7
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/04/73-08/24/94	40	1050.	1183.45	2300.	482.	221977.177	471.145	540.	928.5	1600.	1908.
00070 TURBIDITY, (JACKSON CANDLE UNITS)		06/20/73-08/05/80	8	37.5	55.625	140.	15.	2345.982	48.435	**	**	**	**

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Annual Analysis for 1980 - Station MNRR0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/18/73-08/24/94	29	231.	240.31	300.	216.	527.507	22.968	222.	225.5	249.5	284.
00300 OXYGEN, DISSOLVED	MG/L	06/20/73-08/24/94	29	7.9	8.603	14.	6.7	4.452	2.11	6.8	7.15	8.95	13.3
00310 BOD, 5 DAY, 20 DEG C	MG/L	04/18/73-08/05/80	8	3.85	3.7	5.8	1.1	2.786	1.669	**	**	**	**
00340 COD, .25N K2CR2O7	MG/L	03/23/76-08/29/89	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)		05/10/73-08/24/94	29	8.2	8.1	8.5	7.2	0.111	0.333	7.4	8.1	8.3	8.4
00400 CONVERTED PH (STANDARD UNITS)		05/10/73-08/24/94	29	8.2	7.923	8.5	7.2	0.143	0.378	7.4	8.1	8.3	8.4
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/10/73-08/24/94	29	0.006	0.012	0.063	0.003	0.	0.016	0.004	0.005	0.008	0.04
00403 PH, LAB, STANDARD UNITS	SU	10/07/80-08/24/94	2	8.	8.	8.1	7.9	0.02	0.141	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		10/07/80-08/24/94	2	7.989	7.989	8.1	7.9	0.02	0.142	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/07/80-08/24/94	2	0.01	0.01	0.013	0.008	0.	0.003	**	**	**	**
00600 NITROGEN, TOTAL (MG/L AS N)		10/04/73-03/22/83	10	1.6	1.676	3.	0.78	0.484	0.696	0.8	1.145	2.075	2.96
00605 NITROGEN, ORGANIC, TOTAL (MG/L AS N)		04/18/73-02/11/87	10	0.895	1.071	2.6	0.41	0.418	0.647	0.426	0.607	1.325	2.51
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/18/73-11/04/92	10	0.015	0.04	0.15	0.	0.003	0.053	0.	0.008	0.075	0.147
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/18/73-08/24/94	10	0.9	1.103	2.6	0.42	0.413	0.643	0.441	0.713	1.35	2.52
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/04/73-11/04/92	10	0.49	0.571	1.1	0.	0.167	0.409	0.004	0.258	1.025	1.1
00665 PHOSPHORUS, TOTAL (MG/L AS P)		04/18/73-08/24/94	10	0.16	0.225	0.56	0.12	0.02	0.14	0.122	0.14	0.275	0.542
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)		04/18/73-08/24/94	10	0.065	0.068	0.11	0.01	0.001	0.038	0.012	0.038	0.11	0.11
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		03/23/76-08/29/89	7	9.3	9.886	16.	3.9	26.121	5.111	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		05/10/73-08/24/94	10	35.	35.8	44.	31.	15.733	3.967	31.1	32.	37.75	43.6
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		05/10/73-08/24/94	10	4.65	4.87	6.3	3.9	0.576	0.759	3.94	4.3	5.6	6.23
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/10/73-08/24/94	10	11.	10.79	14.	9.	2.139	1.462	9.04	9.625	11.25	13.8
00940 CHLORIDE,TOTAL IN WATER	MG/L	04/18/73-08/24/94	10	2.	2.4	6.	2.	1.6	1.265	2.	2.	2.	5.6
00945 SULFATE, TOTAL (MG/L AS SO4)		05/10/73-08/24/94	10	17.5	18.3	30.	10.	41.122	6.413	10.1	13.25	23.	29.6
00950 FLUORIDE, DISSOLVED (MG/L AS F)		05/10/73-08/24/94	10	0.4	0.39	0.6	0.3	0.01	0.099	0.3	0.3	0.425	0.59
00955 SILICA, DISSOLVED (MG/L AS SIO2)		05/10/73-08/24/94	10	50.	51.3	59.	43.	25.789	5.078	43.3	48.25	56.25	58.8
31625 FECAL COLIFORM, MF,M-FC, 0.7 UM		10/20/76-08/24/94	10	37.5	57.8	190.	4.	3550.844	59.589	4.3	10.	88.25	182.
31625 LOG FECAL COLIFORM, MF,M-FC, 0.7 UM		10/20/76-08/24/94	10	1.513	1.493	2.279	0.602	0.315	0.562	0.626	0.992	1.942	2.255
31625 GM FECAL COLIFORM, MF,M-FC, 0.7 UM		GEOMETRIC MEAN =		31.127									
31673 FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		07/26/77-08/24/94	10	115.	229.6	740.	48.	70417.6	265.363	51.6	87.	292.5	738.
31673 LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		07/26/77-08/24/94	10	2.06	2.17	2.869	1.681	0.152	0.39	1.706	1.939	2.346	2.868
31673 GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		GEOMETRIC MEAN =		147.966									
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L		04/18/73-08/24/94	10	204.	206.3	229.	183.	167.567	12.945	184.7	200.75	212.25	228.6
70302 SOLIDS, DISSOLVED-TONS PER DAY		04/18/73-02/22/83	10	610.5	661.4	1270.	271.	124516.711	352.869	272.8	310.	972.	1245.
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT		04/18/73-02/22/83	10	0.28	0.28	0.31	0.25	0.	0.018	0.252	0.27	0.288	0.31
70342 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM		11/21/71-08/14/90	12	25.	25.083	38.	8.	76.083	8.723	9.5	20.75	30.75	37.7
70343 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM		11/21/71-08/14/90	12	41.	37.417	59.	12.	174.265	13.201	13.8	30.5	44.5	56.6
70344 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM		11/21/71-08/14/90	12	81.5	79.167	89.	47.	141.788	11.907	54.8	73.	88.	89.
70345 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM		11/21/71-08/14/90	12	99.	97.833	100.	92.	7.061	2.657	92.3	97.25	99.75	100.
70346 SUS SED FALL DIA(DISTLD WATER)%FINER THAN 1.00MM		05/12/72-11/28/84	9	100.	99.556	100.	98.	0.778	0.882	98.	99.	100.	100.
71887 NITROGEN, TOTAL, AS NO3 - MG/L		10/04/73-03/22/83	10	7.2	7.35	13.	3.5	8.527	2.92	3.58	5.125	8.9	12.8
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)		11/21/71-08/24/94	12	778.5	945.833	2520.	206.	470193.606	685.707	217.4	317.	1370.	2250.
80155 SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)		11/21/71-07/21/82	12	3460.	4525.667	15600.	268.	20339041.515	4509.883	293.5	730.25	6272.5	13740.
80158 BED MATERIAL FALL DIAMETER, % FINER THAN .062MM		07/19/72-04/27/82	4	0.	0.	0.	0.	0.	0.	**	**	**	**
80159 BED MATERIAL FALL DIAMETER, % FINER THAN .125MM		07/19/72-04/27/82	12	0.	0.833	3.	0.	1.424	1.193	0.	0.	1.75	3.
80160 BED MATERIAL FALL DIAMETER, % FINER THAN .250MM		07/19/72-04/27/82	12	28.5	31.333	48.	17.	105.152	10.254	17.6	23.25	40.	47.1
80161 BED MATERIAL FALL DIAMETER, % FINER THAN .500MM		07/19/72-04/27/82	12	86.5	82.833	94.	58.	107.97	10.391	62.5	75.5	91.25	93.4
80162 BED MATERIAL FALL DIAMETER, % FINER THAN 1.00MM		07/19/72-04/27/82	12	97.	96.833	100.	90.	8.333	2.887	91.2	94.75	99.	99.7
80169 BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM		07/19/72-04/27/82	11	98.	98.364	100.	97.	1.255	1.12	97.	97.	99.	100.
80170 BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM		07/19/72-08/07/84	9	99.	99.444	100.	99.	0.278	0.527	99.	99.	100.	100.

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Annual Analysis for 1981 - Station MNRR0086

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/71-08/24/94	25	23.	20.9	29.	0.5	59.729	7.728	6.2	19.	26.	28.2
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/20/73-08/24/94	8	18.75	17.813	31.	0.	85.281	9.235	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station MNRR0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/04/73-08/24/94	10	1375.	1410.3	1890.	753.	124938.678	353.467	793.7	1197.5	1792.5	1887.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/18/73-08/24/94	24	238.	239.25	258.	229.	47.065	6.86	231.	234.25	243.5	249.5
00300 OXYGEN, DISSOLVED	MG/L	06/20/73-08/24/94	24	8.	8.158	13.3	6.	3.703	1.924	6.15	6.6	8.85	11.75
00340 COD, .25N K2CR2O7	MG/L	03/23/76-08/29/89	8	40.	51.75	140.	20.	1558.214	39.474	**	**	**	**
00400 PH (STANDARD UNITS)		05/10/73-08/24/94	24	8.4	8.304	8.6	7.6	0.066	0.256	7.85	8.2	8.5	8.5
00400 CONVERTED PH (STANDARD UNITS)		05/10/73-08/24/94	24	8.4	8.212	8.6	7.6	0.075	0.273	7.85	8.2	8.5	8.5
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/10/73-08/24/94	24	0.004	0.006	0.025	0.003	0.	0.005	0.003	0.003	0.006	0.014
00403 PH, LAB, STANDARD UNITS	SU	10/07/80-08/24/94	8	7.85	7.863	8.	7.7	0.017	0.13	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		10/07/80-08/24/94	8	7.847	7.845	8.	7.7	0.017	0.132	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/07/80-08/24/94	8	0.014	0.014	0.02	0.01	0.	0.004	**	**	**	**
00600 NITROGEN, TOTAL (MG/L AS N)		10/04/73-03/22/83	8	1.6	1.763	2.8	1.1	0.354	0.595	**	**	**	**
00605 NITROGEN, ORGANIC, TOTAL (MG/L AS N)		04/18/73-02/11/87	8	1.	1.096	2.2	0.44	0.413	0.643	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/18/73-11/04/92	8	0.08	0.096	0.2	0.03	0.003	0.057	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/18/73-08/24/94	8	1.15	1.193	2.3	0.49	0.436	0.66	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/04/73-11/04/92	8	0.71	0.579	1.	0.01	0.143	0.379	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		04/18/73-08/24/94	8	0.2	0.249	0.62	0.13	0.026	0.161	**	**	**	**
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)		04/18/73-08/24/94	6	0.08	0.07	0.11	0.02	0.002	0.039	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		03/23/76-08/29/89	7	6.9	7.143	10.	3.5	4.01	2.002	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		05/10/73-08/24/94	8	33.	33.375	37.	30.	4.268	2.066	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		05/10/73-08/24/94	8	4.1	4.175	4.7	3.6	0.099	0.315	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/10/73-08/24/94	6	9.15	9.3	10.	8.7	0.376	0.613	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	04/18/73-08/24/94	8	2.	1.625	2.	1.	0.268	0.518	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/10/73-08/24/94	8	11.	10.875	20.	2.5	52.054	7.215	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)		05/10/73-08/24/94	6	0.3	0.3	0.4	0.2	0.004	0.063	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)		05/10/73-08/24/94	6	49.5	48.833	54.	41.	21.367	4.622	**	**	**	**
31625 FECAL COLIFORM, MF,M-FC, 0.7 UM		10/20/76-08/24/94	7	67.	150.429	700.	4.	60061.619	245.075	**	**	**	**
31625 LOG FECAL COLIFORM, MF,M-FC, 0.7 UM		10/20/76-08/24/94	7	1.826	1.782	2.845	0.602	0.449	0.67	**	**	**	**
31625 GM FECAL COLIFORM, MF,M-FC, 0.7 UM		GEOMETRIC MEAN =		60.505									
31673 FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		07/26/77-08/24/94	8	130.	980.5	5100.	84.	3202402.	1789.526	**	**	**	**
31673 LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		07/26/77-08/24/94	8	2.113	2.437	3.708	1.924	0.455	0.675	**	**	**	**
31673 GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		GEOMETRIC MEAN =		273.263									
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L		04/18/73-08/24/94	6	191.5	192.	205.	183.	61.6	7.849	**	**	**	**
70302 SOLIDS, DISSOLVED-TONS PER DAY		04/18/73-02/22/83	6	662.	675.333	949.	396.	34715.067	186.32	**	**	**	**
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT		04/18/73-02/22/83	6	0.26	0.262	0.28	0.25	0.	0.012	**	**	**	**
70342 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM		11/21/71-08/14/90	8	25.5	26.875	47.	9.	166.696	12.911	**	**	**	**
70343 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM		11/21/71-08/14/90	8	36.	38.625	56.	24.	137.696	11.734	**	**	**	**
70344 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM		11/21/71-08/14/90	8	82.5	77.375	84.	50.	141.125	11.88	**	**	**	**
70345 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM		11/21/71-08/14/90	8	99.	97.625	100.	91.	11.411	3.378	**	**	**	**
70346 SUS SED FALL DIA(DISTLD WATER)%FINER THAN 1.00MM		05/12/72-11/28/84	4	100.	100.	100.	100.	0.	0.	**	**	**	**
71887 NITROGEN, TOTAL, AS NO3 - MG/L		10/04/73-03/22/83	8	7.05	7.763	12.	4.9	6.351	2.52	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)		11/21/71-08/24/94	8	1061.	1182.75	2380.	244.	477485.643	691.003	**	**	**	**
80155 SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)		11/21/71-07/21/82	8	4050.	4937.	12000.	496.	15134923.429	3890.363	**	**	**	**
80158 BED MATERIAL FALL DIAMETER, % FINER THAN .062MM		07/19/72-04/27/82	7	0.	0.	0.	0.	0.	0.	**	**	**	**
80159 BED MATERIAL FALL DIAMETER, % FINER THAN .125MM		07/19/72-04/27/82	7	2.	3.286	7.	1.	5.905	2.43	**	**	**	**
80160 BED MATERIAL FALL DIAMETER, % FINER THAN .250MM		07/19/72-04/27/82	7	41.	40.	54.	27.	79.	8.888	**	**	**	**
80161 BED MATERIAL FALL DIAMETER, % FINER THAN .500MM		07/19/72-04/27/82	7	88.	87.571	95.	79.	34.952	5.912	**	**	**	**
80162 BED MATERIAL FALL DIAMETER, % FINER THAN 1.00MM		07/19/72-04/27/82	7	97.	94.429	100.	85.	28.952	5.381	**	**	**	**
80169 BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM		07/19/72-04/27/82	6	96.5	95.5	99.	88.	17.9	4.231	**	**	**	**
80170 BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM		07/19/72-08/07/84	6	97.5	97.333	100.	94.	7.067	2.658	**	**	**	**

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Annual Analysis for 1982 - Station MNRR0086

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/71-08/24/94	11	18.5	13.364	28.5	0.5	119.305	10.923	0.5	2.	22.	27.7
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/20/73-08/24/94	8	12.5	14.813	30.5	-0.5	199.567	14.127	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station MNRR0086

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00025	BAROMETRIC PRESSURE (MM OF HG)		11/03/82-08/24/94	2	720.	720.	728.	712.	128.	11.314	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS	CFS	10/04/73-08/24/94	12	1360.	1909.083	4430.	891.	1394385.902	1180.841	907.2	979.75	2822.5	4151.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/18/73-08/24/94	8	262.5	261.125	290.	237.	327.268	18.091	**	**	**	**
00300	OXYGEN, DISSOLVED	MG/L	06/20/73-08/24/94	8	9.15	9.738	14.3	6.5	7.174	2.678	**	**	**	**
00340	COD, .25N K2CR2O7	MG/L	03/23/76-08/29/89	8	29.	27.375	47.	5.	192.839	13.887	**	**	**	**
00400	PH (STANDARD UNITS)		05/10/73-08/24/94	8	7.85	7.825	8.4	7.	0.231	0.48	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)		05/10/73-08/24/94	8	7.847	7.584	8.4	7.	0.297	0.545	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/10/73-08/24/94	8	0.014	0.026	0.1	0.004	0.001	0.032	**	**	**	**
00403	PH, LAB, STANDARD UNITS	SU	10/07/80-08/24/94	8	8.05	8.138	8.7	7.8	0.1	0.316	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS		10/07/80-08/24/94	8	8.047	8.055	8.7	7.8	0.108	0.328	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/07/80-08/24/94	8	0.009	0.009	0.016	0.002	0.	0.005	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		02/23/82-08/29/89	5	83.	138.4	253.	36.	10433.3	102.144	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)		10/04/73-03/22/83	6	2.	2.25	3.6	1.6	0.635	0.797	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)		04/18/73-02/11/87	7	1.3	1.493	2.7	0.51	0.517	0.719	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/18/73-11/04/92	7	0.16	0.143	0.18	0.07	0.001	0.037	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/18/73-08/24/94	8	1.5	1.585	2.8	0.68	0.429	0.655	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/04/73-11/04/92	8	0.605	0.531	0.9	0.05	0.109	0.33	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)		04/18/73-08/24/94	8	0.25	0.26	0.41	0.12	0.014	0.12	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)		04/18/73-08/24/94	4	0.075	0.065	0.1	0.01	0.002	0.04	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)		03/23/76-08/29/89	8	9.1	8.588	14.	3.6	12.436	3.526	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)		05/10/73-08/24/94	8	36.5	37.	45.	32.	16.	4.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		05/10/73-08/24/94	8	5.05	5.025	5.8	4.5	0.168	0.41	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)		05/10/73-08/24/94	4	10.4	10.55	12.	9.4	1.397	1.182	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER	MG/L	04/18/73-08/24/94	8	2.	2.	2.	2.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)		05/10/73-08/24/94	8	14.5	12.875	20.	5.	24.982	4.998	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)		05/10/73-08/24/94	4	0.35	0.4	0.6	0.3	0.02	0.141	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SIO2)		05/10/73-08/24/94	4	48.5	49.5	57.	44.	33.667	5.802	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM		10/20/76-08/24/94	8	160.	273.5	1200.	42.	143557.714	378.89	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM		10/20/76-08/24/94	8	2.204	2.221	3.079	1.623	0.173	0.416	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM		GEOMETRIC MEAN =		166.459									
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		07/26/77-08/24/94	8	800.	2006.5	7000.	92.	5922989.429	2433.719	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		07/26/77-08/24/94	8	2.903	2.989	3.845	1.964	0.363	0.603	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		GEOMETRIC MEAN =		975.541									
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L		04/18/73-08/24/94	4	196.5	198.75	219.	183.	224.25	14.975	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY		04/18/73-02/22/83	4	673.	853.5	1570.	498.	237213.667	487.046	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT		04/18/73-02/22/83	4	0.27	0.273	0.3	0.25	0.	0.021	**	**	**	**
70342	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM		11/21/71-08/14/90	4	38.	35.25	44.	21.	98.917	9.946	**	**	**	**
70343	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM		11/21/71-08/14/90	4	51.	47.25	56.	31.	128.917	11.354	**	**	**	**
70344	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM		11/21/71-08/14/90	4	86.5	88.	95.	84.	23.333	4.83	**	**	**	**
70345	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM		11/21/71-08/14/90	4	100.	99.75	100.	99.	0.25	0.5	**	**	**	**
70346	SUS SED FALL DIA(DISTLD WATER)%FINER THAN 1.00MM		05/12/72-11/28/84	1	100.	100.	100.	100.	0.	0.	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L		10/04/73-03/22/83	6	8.8	9.983	16.	7.	12.41	3.523	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)		11/21/71-08/24/94	4	1640.	1378.25	1880.	353.	497038.917	705.01	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)		11/21/71-07/21/82	3	9620.	9423.	17800.	849.	71863207.	8477.217	**	**	**	**
80158	BED MATERIAL FALL DIAMETER, % FINER THAN .062MM		07/19/72-04/27/82	1	1.	1.	1.	1.	0.	0.	**	**	**	**
80159	BED MATERIAL FALL DIAMETER, % FINER THAN .125MM		07/19/72-04/27/82	1	6.	6.	6.	6.	0.	0.	**	**	**	**
80160	BED MATERIAL FALL DIAMETER, % FINER THAN .250MM		07/19/72-04/27/82	1	38.	38.	38.	38.	0.	0.	**	**	**	**
80161	BED MATERIAL FALL DIAMETER, % FINER THAN .500MM		07/19/72-04/27/82	1	92.	92.	92.	92.	0.	0.	**	**	**	**
80162	BED MATERIAL FALL DIAMETER, % FINER THAN 1.00MM		07/19/72-04/27/82	1	98.	98.	98.	98.	0.	0.	**	**	**	**
80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM		07/19/72-04/27/82	1	99.	99.	99.	99.	0.	0.	**	**	**	**
80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM		07/19/72-08/07/84	1	100.	100.	100.	100.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station MNRR0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		11/21/71-08/24/94	12	14.25	14.208	31.	0.5	123.43	11.11	0.5	2.25	25.625	29.95
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		06/20/73-08/24/94	12	21.25	14.833	35.	-14.	278.47	16.687	4.3	8.75	33.	0.7
00025 BAROMETRIC PRESSURE (MM OF HG)		11/03/82-08/24/94	12	723.5	723.5	729.	718.	12.455	3.529	718.3	720.25	727.	728.4
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/04/73-08/24/94	12	1950.	2185.	3910.	1410.	567427.273	753.278	1419.	1612.5	2752.5	3619.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/18/73-08/24/94	12	282.	300.333	372.	256.	1734.061	41.642	257.5	272.25	347.75	369.3
00300 OXYGEN, DISSOLVED	MG/L	06/20/73-08/24/94	12	9.75	10.258	13.9	6.7	5.454	2.335	7.	8.275	12.2	13.87
00340 COD, .25N K2CR2O7	MG/L	03/23/76-08/29/89	12	41.5	47.167	130.	13.	997.242	31.579	14.8	23.25	61.5	111.7
00400 PH (STANDARD UNITS)		05/10/73-08/24/94	12	8.05	7.992	8.6	7.1	0.201	0.448	7.25	7.625	8.425	8.57
00400 CONVERTED PH (STANDARD UNITS)		05/10/73-08/24/94	12	8.047	7.768	8.6	7.1	0.256	0.506	7.25	7.625	8.425	8.57
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/10/73-08/24/94	12	0.009	0.017	0.079	0.003	0.	0.021	0.003	0.004	0.024	0.063
00403 PH, LAB, STANDARD UNITS	SU	10/07/80-08/24/94	12	8.	7.925	8.4	7.1	0.108	0.328	7.28	7.8	8.075	8.37
00403 CONVERTED PH, LAB, STANDARD UNITS		10/07/80-08/24/94	12	8.	7.777	8.4	7.1	0.131	0.363	7.28	7.8	8.075	8.37
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/07/80-08/24/94	12	0.01	0.017	0.079	0.004	0.	0.02	0.004	0.008	0.016	0.062
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		02/23/82-08/29/89	10	136.5	198.2	540.	21.	30993.067	176.048	24.3	57.	317.	532.4
00600 NITROGEN, TOTAL (MG/L AS N)		10/04/73-03/22/83	3	2.2	2.033	2.3	1.6	0.143	0.379	**	**	**	**
00605 NITROGEN, ORGANIC, TOTAL (MG/L AS N)		04/18/73-02/11/87	3	1.2	1.02	1.3	0.56	0.161	0.401	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/18/73-11/04/92	12	0.105	0.112	0.22	0.03	0.003	0.057	0.039	0.065	0.14	0.214
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/18/73-08/24/94	12	1.5	1.567	3.1	0.7	0.392	0.626	0.7	1.3	1.8	2.77
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/04/73-11/04/92	12	0.75	0.629	1.2	0.05	0.154	0.393	0.05	0.163	0.9	1.14
00665 PHOSPHORUS, TOTAL (MG/L AS P)		04/18/73-08/24/94	12	0.28	0.279	0.46	0.15	0.009	0.095	0.153	0.2	0.353	0.442
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)		04/18/73-08/24/94	4	0.07	0.065	0.09	0.03	0.001	0.025	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		03/23/76-08/29/89	12	9.95	9.742	19.	2.9	21.001	4.583	3.02	6.775	12.75	17.5
00915 CALCIUM, DISSOLVED (MG/L AS CA)		05/10/73-08/24/94	12	40.5	40.333	48.	32.	26.424	5.14	32.9	36.	45.	48.
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		05/10/73-08/24/94	12	5.85	6.183	8.	5.	1.216	1.103	5.	5.175	7.4	7.94
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/10/73-08/24/94	12	11.	12.308	17.	9.7	8.195	2.863	9.79	10.	15.	17.
00940 CHLORIDE,TOTAL IN WATER	MG/L	04/18/73-08/24/94	12	2.	2.417	3.	2.	0.265	0.515	2.	2.	3.	3.
00945 SULFATE, TOTAL (MG/L AS SO4)		05/10/73-08/24/94	12	22.5	25.417	44.	13.	108.629	10.423	13.9	17.5	32.5	44.
00950 FLUORIDE, DISSOLVED (MG/L AS F)		05/10/73-08/24/94	4	0.35	0.375	0.5	0.3	0.009	0.096	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)		05/10/73-08/24/94	4	43.5	43.75	47.	41.	10.25	3.202	**	**	**	**
31625 FECAL COLIFORM, MF,M-FC, 0.7 UM		10/20/76-08/24/94	12	120.	418.25	3000.	5.	692104.932	831.928	16.1	50.25	435.	2256.
31625 LOG FECAL COLIFORM, MF,M-FC, 0.7 UM		10/20/76-08/24/94	12	2.073	2.123	3.477	0.699	0.492	0.701	0.976	1.701	2.638	3.249
31625 GM FECAL COLIFORM, MF,M-FC, 0.7 UM		GEOMETRIC MEAN =		132.68									
31673 FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		07/26/77-08/24/94	12	660.	2484.167	10000.	240.	12530899.242	3539.901	246.	270.	4925.	9520.
31673 LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		07/26/77-08/24/94	12	2.769	2.973	4.	2.38	0.389	0.623	2.391	2.431	3.641	3.977
31673 GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		GEOMETRIC MEAN =		939.948									
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L		04/18/73-08/24/94	4	212.5	218.5	244.	205.	301.667	17.369	**	**	**	**
70302 SOLIDS, DISSOLVED-TONS PER DAY		04/18/73-02/22/83	1	1570.	1570.	1570.	1570.	0.	0.	**	**	**	**
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT		04/18/73-02/22/83	1	0.29	0.29	0.29	0.29	0.	0.	**	**	**	**
70342 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM		11/21/71-08/14/90	4	17.5	20.25	35.	11.	106.25	10.308	**	**	**	**
70343 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM		11/21/71-08/14/90	4	38.5	33.5	40.	17.	123.	11.091	**	**	**	**
70344 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM		11/21/71-08/14/90	4	78.5	76.	88.	59.	196.667	14.024	**	**	**	**
70345 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM		11/21/71-08/14/90	4	98.5	98.25	99.	97.	0.917	0.957	**	**	**	**
70346 SUS SED FALL DIA(DISTLD WATER)%FINER THAN 1.00MM		05/12/72-11/28/84	4	100.	100.	100.	100.	0.	0.	**	**	**	**
71887 NITROGEN, TOTAL, AS NO3 - MG/L		10/04/73-03/22/83	3	9.7	8.933	10.	7.1	2.543	1.595	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)		11/21/71-08/24/94	4	1815.	1782.5	2240.	1260.	168825.	410.883	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1984 - Station MNRR0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		11/21/71-08/24/94	12	17.5	13.458	27.5	0.5	118.93	10.905	0.5	0.5	23.875	26.45
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		06/20/73-08/24/94	12	17.	14.458	28.	-6.5	146.384	12.099	2.3	4.5	26.25	28.
00025 BAROMETRIC PRESSURE (MM OF HG)		11/03/82-08/24/94	12	720.5	720.333	730.	712.	24.606	4.96	712.3	718.	722.75	728.8
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/04/73-08/24/94	12	1720.	2091.667	4180.	1250.	938233.333	968.624	1280.	1400.	2442.5	4060.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/18/73-08/24/94	12	295.	308.25	400.	253.	2463.477	49.633	256.	268.	354.75	393.1
00300 OXYGEN, DISSOLVED	MG/L	06/20/73-08/24/94	12	9.1	10.175	13.8	7.1	5.197	2.28	7.37	8.6	12.65	13.59

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1984 - Station MNRR0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00340 COD, .25N K2CR2O7	MG/L	03/23/76-08/29/89	10	62.5	73.2	220.	15.	3292.622	57.381	16.	37.75	90.	207.
00400 PH (STANDARD UNITS)		05/10/73-08/24/94	12	8.1	8.042	8.5	7.4	0.094	0.306	7.49	7.9	8.175	8.5
00400 CONVERTED PH (STANDARD UNITS)		05/10/73-08/24/94	12	8.1	7.935	8.5	7.4	0.106	0.326	7.49	7.9	8.175	8.5
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/10/73-08/24/94	12	0.008	0.012	0.04	0.003	0.	0.01	0.003	0.007	0.013	0.034
00403 PH, LAB, STANDARD UNITS	SU	10/07/80-08/24/94	12	8.1	7.975	8.4	7.5	0.066	0.256	7.56	7.725	8.1	8.34
00403 CONVERTED PH, LAB, STANDARD UNITS		10/07/80-08/24/94	12	8.1	7.903	8.4	7.5	0.071	0.267	7.56	7.725	8.1	8.34
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/07/80-08/24/94	12	0.008	0.012	0.032	0.004	0.	0.008	0.005	0.008	0.019	0.028
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		02/23/82-08/29/89	12	134.	231.417	688.	19.	58608.447	242.092	25.	49.75	452.	671.2
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/18/73-11/04/92	12	0.045	0.058	0.18	0.005	0.002	0.044	0.01	0.04	0.075	0.15
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/18/73-08/24/94	12	1.3	1.708	4.9	0.3	2.097	1.448	0.33	0.6	2.375	4.63
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/04/73-11/04/92	12	0.75	0.713	1.3	0.05	0.238	0.488	0.065	0.2	1.175	1.3
00665 PHOSPHORUS, TOTAL (MG/L AS P)		04/18/73-08/24/94	12	0.22	0.324	1.	0.14	0.06	0.246	0.152	0.183	0.45	0.856
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)		04/18/73-08/24/94	4	0.07	0.058	0.08	0.01	0.001	0.032	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		03/23/76-08/29/89	12	6.45	9.183	23.	3.	49.68	7.048	3.12	3.9	13.725	22.7
00915 CALCIUM, DISSOLVED (MG/L AS CA)		05/10/73-08/24/94	12	39.5	41.083	50.	34.	30.083	5.485	34.3	36.25	44.75	50.
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		05/10/73-08/24/94	12	6.3	6.775	9.3	5.4	2.197	1.482	5.43	5.55	8.45	9.21
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/10/73-08/24/94	12	11.5	12.083	18.	9.2	7.872	2.806	9.38	10.	14.25	17.4
00940 CHLORIDE,TOTAL IN WATER	MG/L	04/18/73-08/24/94	12	2.5	2.583	4.	2.	0.447	0.669	2.	2.	3.	3.7
00945 SULFATE, TOTAL (MG/L AS SO4)		05/10/73-08/24/94	12	22.	29.75	52.	16.	196.205	14.007	16.6	19.25	47.25	51.7
00950 FLUORIDE, DISSOLVED (MG/L AS F)		05/10/73-08/24/94	4	0.45	0.425	0.5	0.3	0.009	0.096	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)		05/10/73-08/24/94	4	43.5	43.5	50.	37.	29.667	5.447	**	**	**	**
31625 FECAL COLIFORM, MF,M-FC, 0.7 UM		10/20/76-08/24/94	12	62.5	574.75	5600.	2.	2521955.295	1588.067	9.8	35.	215.	4064.
31625 LOG FECAL COLIFORM, MF,M-FC, 0.7 UM		10/20/76-08/24/94	12	1.794	1.943	3.748	0.301	0.677	0.823	0.645	1.542	2.329	3.428
31625 GM FECAL COLIFORM, MF,M-FC, 0.7 UM		GEOMETRIC MEAN =		87.692									
31673 FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		07/26/77-08/24/94	12	160.	2809.167	31000.	120.	78858499.242	8880.231	120.	120.	450.	21940.
31673 LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		07/26/77-08/24/94	12	2.204	2.474	4.491	2.079	0.475	0.689	2.079	2.079	2.632	4.015
31673 GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		GEOMETRIC MEAN =		297.622									
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L		04/18/73-08/24/94	4	217.	229.5	281.	203.	1303.	36.097	**	**	**	**
70342 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM		11/21/71-08/14/90	4	14.5	16.5	27.	10.	57.667	7.594	**	**	**	**
70343 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM		11/21/71-08/14/90	4	30.	28.	37.	15.	86.	9.274	**	**	**	**
70344 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM		11/21/71-08/14/90	4	76.5	73.	80.	59.	91.333	9.557	**	**	**	**
70345 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM		11/21/71-08/14/90	4	96.	96.	99.	93.	8.667	2.944	**	**	**	**
70346 SUS SED FALL DIA(DISTLD WATER)%FINER THAN 1.00MM		05/12/72-11/28/84	4	99.5	98.75	100.	96.	3.583	1.893	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)		11/21/71-08/24/94	4	1905.	2032.5	3000.	1320.	612491.667	782.618	**	**	**	**
80170 BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM		07/19/72-08/07/84	1	100.	100.	100.	100.	0.	0.	**	**	**	**

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Annual Analysis for 1985 - Station MNRR0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		11/21/71-08/24/94	12	13.	12.708	29.	0.5	111.794	10.573	0.5	0.5	19.875	28.55
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		06/20/73-08/24/94	12	20.25	10.917	32.5	-17.	259.402	16.106	-1.45	10.25	32.25	-14.9
00025 BAROMETRIC PRESSURE (MM OF HG)		11/03/82-08/24/94	12	722.	723.083	731.	714.	23.72	4.87	715.2	721.	726.75	730.7
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/04/73-08/24/94	12	1400.	1512.5	2520.	670.	346711.364	588.822	772.	1090.	2135.	2472.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/18/73-08/24/94	12	271.	275.667	368.	227.	1369.515	37.007	231.8	250.5	289.75	348.8
00300 OXYGEN, DISSOLVED	MG/L	06/20/73-08/24/94	12	9.55	9.875	15.2	4.2	7.913	2.813	5.31	8.35	12.05	14.54
00340 COD, .25N K2CR2O7	MG/L	03/23/76-08/29/89	6	14.	90.	460.	5.	33044.8	181.782	**	**	**	**
00400 PH (STANDARD UNITS)		05/10/73-08/24/94	12	8.1	8.025	8.4	7.5	0.078	0.28	7.53	7.825	8.275	8.37
00400 CONVERTED PH (STANDARD UNITS)		05/10/73-08/24/94	12	8.1	7.935	8.4	7.5	0.087	0.295	7.53	7.825	8.275	8.37
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/10/73-08/24/94	12	0.008	0.012	0.032	0.004	0.	0.009	0.004	0.005	0.015	0.03
00403 PH, LAB, STANDARD UNITS	SU	10/07/80-08/24/94	11	8.1	8.164	8.9	7.5	0.191	0.437	7.52	8.	8.4	8.88
00403 CONVERTED PH, LAB, STANDARD UNITS		10/07/80-08/24/94	11	8.1	7.987	8.9	7.5	0.225	0.474	7.52	8.	8.4	8.88
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/07/80-08/24/94	11	0.008	0.01	0.032	0.001	0.	0.01	0.001	0.004	0.01	0.03
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		02/23/82-08/29/89	12	98.	121.	340.	9.	12782.	113.058	12.3	24.75	177.5	336.4
00605 NITROGEN, ORGANIC, TOTAL (MG/L AS N)		04/18/73-02/11/87	1	0.51	0.51	0.51	0.51	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/18/73-11/04/92	12	0.05	0.053	0.09	0.02	0.	0.02	0.023	0.04	0.068	0.087

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Annual Analysis for 1985 - Station MNRR0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/18/73-08/24/94	12	0.9	0.868	1.4	0.2	0.136	0.369	0.233	0.625	1.175	1.34
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/04/73-11/04/92	12	0.8	0.746	1.4	0.05	0.272	0.522	0.05	0.113	1.2	1.4
00665 PHOSPHORUS, TOTAL (MG/L AS P)		04/18/73-08/24/94	12	0.175	0.212	0.4	0.07	0.014	0.117	0.07	0.123	0.328	0.397
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)		04/18/73-08/24/94	4	0.085	0.07	0.1	0.01	0.002	0.041	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		03/23/76-08/29/89	12	5.25	5.775	11.	0.8	10.693	3.27	1.19	2.65	8.75	10.46
00915 CALCIUM, DISSOLVED (MG/L AS CA)		05/10/73-08/24/94	12	36.5	39.	49.	32.	27.818	5.274	32.6	35.25	44.25	47.8
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		05/10/73-08/24/94	12	5.45	5.717	7.8	4.4	0.896	0.947	4.55	5.025	6.375	7.47
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/10/73-08/24/94	12	9.9	10.333	13.	8.8	2.232	1.494	8.83	9.	11.	13.
00940 CHLORIDE,TOTAL IN WATER	MG/L	04/18/73-08/24/94	11	2.5	2.455	3.	2.	0.223	0.472	2.	2.	3.	3.
00945 SULFATE, TOTAL (MG/L AS SO4)		05/10/73-08/24/94	12	22.5	21.917	33.	14.	38.447	6.201	14.3	15.25	27.25	31.5
00950 FLUORIDE, DISSOLVED (MG/L AS F)		05/10/73-08/24/94	4	0.3	0.325	0.4	0.3	0.003	0.05	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)		05/10/73-08/24/94	4	45.	47.5	58.	42.	51.667	7.188	**	**	**	**
31625 FECAL COLIFORM, MF,M-FC, 0.7 UM		10/20/76-08/24/94	12	79.5	337.167	2900.	23.	661764.697	813.489	23.9	32.25	170.	2147.
31625 LOG FECAL COLIFORM, MF,M-FC, 0.7 UM		10/20/76-08/24/94	12	1.899	1.99	3.462	1.362	0.348	0.59	1.378	1.508	2.228	3.201
31625 GM FECAL COLIFORM, MF,M-FC, 0.7 UM		GEOMETRIC MEAN =		97.669									
31673 FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		07/26/77-08/24/94	12	205.	370.667	1400.	84.	147387.879	383.911	87.	120.	420.	1226.
31673 LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		07/26/77-08/24/94	12	2.312	2.407	3.146	1.924	0.141	0.375	1.939	2.064	2.623	3.076
31673 GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		GEOMETRIC MEAN =		255.493									
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L		04/18/73-08/24/94	4	204.	217.5	279.	183.	1845.667	42.961	**	**	**	**
70342 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM		11/21/71-08/14/90	1	26.	26.	26.	26.	0.	0.	**	**	**	**
70343 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM		11/21/71-08/14/90	1	41.	41.	41.	41.	0.	0.	**	**	**	**
70344 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM		11/21/71-08/14/90	1	90.	90.	90.	90.	0.	0.	**	**	**	**
70345 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM		11/21/71-08/14/90	1	100.	100.	100.	100.	0.	0.	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)		11/21/71-08/24/94	4	1059.	1066.	1790.	356.	497032.	705.005	**	**	**	**

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Annual Analysis for 1986 - Station MNRR0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		11/21/71-08/24/94	13	12.5	11.308	26.	0.5	100.356	10.018	0.5	1.25	21.25	25.2
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		06/20/73-08/24/94	12	14.75	11.875	27.5	-10.5	134.597	11.602	2.15	3.25	24.75	0.9
00025 BAROMETRIC PRESSURE (MM OF HG)		11/03/82-08/24/94	12	722.5	723.25	732.	711.	39.659	6.298	712.8	719.5	729.25	732.
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/04/73-08/24/94	13	2210.	2353.077	4510.	1450.	754556.41	868.652	1490.	1620.	2840.	4026.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/18/73-08/24/94	11	274.	279.545	323.	233.	887.673	29.794	234.	268.	310.	321.6
00300 OXYGEN, DISSOLVED	MG/L	06/20/73-08/24/94	12	9.85	10.458	13.2	8.	3.937	1.984	8.06	8.4	12.625	13.08
00340 COD, .25N K2CR2O7	MG/L	03/23/76-08/29/89	12	33.	32.083	64.	5.	326.811	18.078	6.5	16.5	42.25	62.2
00400 PH (STANDARD UNITS)		05/10/73-08/24/94	12	8.	8.024	8.7	7.4	0.117	0.342	7.487	7.808	8.26	8.58
00400 CONVERTED PH (STANDARD UNITS)		05/10/73-08/24/94	12	7.989	7.906	8.7	7.4	0.132	0.364	7.487	7.807	8.26	8.58
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/10/73-08/24/94	12	0.01	0.012	0.04	0.002	0.	0.01	0.003	0.006	0.016	0.034
00403 PH, LAB, STANDARD UNITS	SU	10/07/80-08/24/94	12	7.75	7.808	8.1	7.6	0.032	0.178	7.6	7.7	7.975	8.1
00403 CONVERTED PH, LAB, STANDARD UNITS		10/07/80-08/24/94	12	7.747	7.778	8.1	7.6	0.033	0.181	7.6	7.7	7.975	8.1
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/07/80-08/24/94	12	0.018	0.017	0.025	0.008	0.	0.006	0.008	0.011	0.02	0.025
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		02/23/82-08/29/89	12	193.	242.917	562.	30.	34092.265	184.641	31.8	67.25	370.5	546.4
00605 NITROGEN, ORGANIC, TOTAL (MG/L AS N)		04/18/73-02/11/87	2	1.08	1.08	1.7	0.46	0.769	0.877	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/18/73-11/04/92	12	0.03	0.035	0.08	0.005	0.001	0.026	0.007	0.013	0.05	0.08
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/18/73-08/24/94	12	1.	1.268	4.6	0.3	1.318	1.148	0.321	0.568	1.625	3.73
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/04/73-11/04/92	11	0.74	0.724	1.5	0.02	0.171	0.414	0.056	0.38	0.97	1.4
00665 PHOSPHORUS, TOTAL (MG/L AS P)		04/18/73-08/24/94	12	0.23	0.284	0.58	0.13	0.022	0.147	0.13	0.175	0.383	0.562
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)		04/18/73-08/24/94	4	0.06	0.058	0.09	0.02	0.001	0.033	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		03/23/76-08/29/89	12	5.45	7.458	19.	2.9	28.917	5.377	3.14	4.175	8.175	18.7
00915 CALCIUM, DISSOLVED (MG/L AS CA)		05/10/73-08/24/94	12	36.5	37.167	45.	30.	20.333	4.509	30.3	34.25	41.5	44.1
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		05/10/73-08/24/94	12	5.6	5.742	6.9	4.6	0.484	0.696	4.75	5.25	6.375	6.87
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/10/73-08/24/94	12	9.45	10.108	15.	7.3	4.724	2.174	7.57	8.45	11.75	14.1
00940 CHLORIDE,TOTAL IN WATER	MG/L	04/18/73-08/24/94	12##	2.5	2.5	3.	2.	0.091	0.302	2.	2.5	2.5	3.
00945 SULFATE, TOTAL (MG/L AS SO4)		05/10/73-08/24/94	12	17.5	13.833	27.	1.	104.152	10.205	1.	2.5	21.75	26.7
00950 FLUORIDE, DISSOLVED (MG/L AS F)		05/10/73-08/24/94	4	0.4	0.375	0.4	0.3	0.003	0.05	**	**	**	**

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Annual Analysis for 1986 - Station MNRR0086

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00955 SILICA, DISSOLVED (MG/L AS SIO2)	05/10/73-08/24/94	4	44.5	45.	50.	41.	15.333	3.916	**	**	**	**
31625 FECAL COLIFORM, MF,M-FC, 0.7 UM	10/20/76-08/24/94	12	140.	845.75	4800.	10.	2409511.841	1552.26	13.3	40.5	1020.	4320.
31625 LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/20/76-08/24/94	12	2.136	2.219	3.681	1.	0.7	0.837	1.097	1.578	2.899	3.628
31625 GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =		165.553									
31673 FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/26/77-08/24/94	11	580.	1589.273	5800.	92.	3968289.818	1992.057	121.6	250.	2800.	5600.
31673 LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/26/77-08/24/94	11	2.763	2.882	3.763	1.964	0.323	0.568	2.047	2.398	3.447	3.747
31673 GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =		761.397									
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/18/73-08/24/94	4	221.	212.75	244.	165.	1346.917	36.7	**	**	**	**
70342 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	11/21/71-08/14/90	1	24.	24.	24.	24.	0.	0.	**	**	**	**
70343 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	11/21/71-08/14/90	1	45.	45.	45.	45.	0.	0.	**	**	**	**
70344 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	11/21/71-08/14/90	1	91.	91.	91.	91.	0.	0.	**	**	**	**
70345 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	11/21/71-08/14/90	1	100.	100.	100.	100.	0.	0.	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/21/71-08/24/94	4	1285.	1861.5	4380.	496.	2961129.	1720.793	**	**	**	**

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Annual Analysis for 1987 - Station MNRR0086

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/71-08/24/94	12	11.5	11.708	32.	0.5	92.066	9.595	0.5	4.125	17.25	28.7
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/20/73-08/24/94	12	16.	14.75	34.5	-3.5	118.023	10.864	2.95	3.625	22.375	31.2
00025 BAROMETRIC PRESSURE (MM OF HG)	11/03/82-08/24/94	12	725.5	724.917	731.	718.	18.992	4.358	718.	721.5	727.75	731.
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/04/73-08/24/94	12	2145.	2208.167	5090.	918.	1193429.424	1092.442	999.6	1430.	2607.5	4391.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/18/73-08/24/94	11	270.	287.273	394.	248.	1843.018	42.93	249.2	261.	298.	382.2
00300 OXYGEN, DISSOLVED MG/L	06/20/73-08/24/94	12	10.9	10.975	14.2	7.1	4.931	2.221	7.61	9.425	13.175	14.11
00340 COD, .25N K2CR2O7 MG/L	03/23/76-08/29/89	12	32.5	29.583	60.	5.	273.902	16.55	5.3	16.	42.25	56.1
00400 PH (STANDARD UNITS)	05/10/73-08/24/94	12	7.885	7.883	8.26	7.58	0.047	0.216	7.601	7.68	8.073	8.23
00400 CONVERTED PH (STANDARD UNITS)	05/10/73-08/24/94	12	7.885	7.836	8.26	7.58	0.049	0.222	7.601	7.68	8.073	8.23
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/10/73-08/24/94	12	0.013	0.015	0.026	0.005	0.	0.007	0.006	0.008	0.021	0.025
00403 PH, LAB, STANDARD UNITS SU	10/07/80-08/24/94	13	8.	7.977	8.2	7.7	0.027	0.164	7.74	7.85	8.15	8.2
00403 CONVERTED PH, LAB, STANDARD UNITS	10/07/80-08/24/94	13	8.	7.949	8.2	7.7	0.028	0.167	7.74	7.85	8.15	8.2
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/07/80-08/24/94	13	0.01	0.011	0.02	0.006	0.	0.004	0.006	0.007	0.014	0.018
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/23/82-08/29/89	12	151.	183.667	398.	50.	13439.333	115.928	58.7	89.75	295.	386.
00605 NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/18/73-02/11/87	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/73-11/04/92	13	0.04	0.057	0.14	0.01	0.002	0.04	0.01	0.02	0.085	0.128
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/73-08/24/94	13	1.1	1.078	1.7	0.36	0.198	0.445	0.416	0.58	1.4	1.66
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/04/73-11/04/92	11	0.99	0.865	1.4	0.02	0.209	0.457	0.049	0.6	1.2	1.38
00665 PHOSPHORUS, TOTAL (MG/L AS P)	04/18/73-08/24/94	13	0.29	0.295	0.51	0.12	0.016	0.127	0.128	0.19	0.405	0.494
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)	04/18/73-08/24/94	4	0.075	0.06	0.08	0.01	0.001	0.034	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	03/23/76-08/29/89	12	4.85	6.108	16.	2.4	14.199	3.768	2.43	3.875	7.275	14.08
00915 CALCIUM, DISSOLVED (MG/L AS CA)	05/10/73-08/24/94	13	34.	36.846	46.	31.	21.308	4.616	31.8	34.	41.	44.8
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	05/10/73-08/24/94	13	5.2	5.554	8.1	4.3	1.161	1.078	4.5	4.95	5.8	7.86
00930 SODIUM, DISSOLVED (MG/L AS NA)	05/10/73-08/24/94	13	10.	10.592	15.	9.	3.586	1.894	9.	9.2	12.	14.2
00940 CHLORIDE,TOTAL IN WATER MG/L	04/18/73-08/24/94	13	2.5	2.385	3.	2.	0.131	0.363	2.	2.	2.5	3.
00945 SULFATE, TOTAL (MG/L AS SO4)	05/10/73-08/24/94	13	18.	19.385	36.	12.	53.59	7.321	12.4	15.5	19.5	35.2
00950 FLUORIDE, DISSOLVED (MG/L AS F)	05/10/73-08/24/94	4	0.3	0.325	0.4	0.3	0.003	0.05	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)	05/10/73-08/24/94	4	44.5	45.	48.	43.	4.667	2.16	**	**	**	**
31625 FECAL COLIFORM, MF,M-FC, 0.7 UM	10/20/76-08/24/94	12	87.	128.917	400.	41.	11395.72	106.751	43.7	51.75	157.5	358.
31625 LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/20/76-08/24/94	12	1.937	2.	2.602	1.613	0.097	0.312	1.639	1.714	2.197	2.546
31625 GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =		99.914									
31673 FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/26/77-08/24/94	12	360.	657.5	2000.	120.	418965.909	647.276	120.	132.5	1280.	1850.
31673 LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/26/77-08/24/94	12	2.556	2.607	3.301	2.079	0.21	0.458	2.079	2.117	3.101	3.264
31673 GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =		404.877									
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/18/73-08/24/94	4	190.	202.5	241.	189.	659.667	25.684	**	**	**	**
70342 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	11/21/71-08/14/90	1	28.	28.	28.	28.	0.	0.	**	**	**	**
70343 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	11/21/71-08/14/90	1	47.	47.	47.	47.	0.	0.	**	**	**	**
70344 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	11/21/71-08/14/90	1	92.	92.	92.	92.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station MNRR0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70345	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	11/21/71-08/14/90	1	100.	100.	100.	100.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/21/71-08/24/94	4	1146.	1279.25	2140.	685.	438122.25	661.908	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station MNRR0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/71-08/24/94	12	10.	11.583	28.	0.5	107.038	10.346	0.5	0.5	22.875	26.65
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/20/73-08/24/94	12	17.75	13.542	31.5	-10.	205.021	14.319	2.5	-3.5	29.375	2.45
00025	BAROMETRIC PRESSURE (MM OF HG)	11/03/82-08/24/94	12	722.5	723.667	732.	716.	23.333	4.83	716.9	719.5	727.75	731.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/04/73-08/24/94	12	2175.	2692.5	7070.	1130.	2805384.091	1674.928	1205.	1550.	3410.	6257.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/18/73-08/24/94	12	292.5	295.75	372.	217.	2418.386	49.177	223.6	255.75	343.25	368.4
00300	OXYGEN, DISSOLVED MG/L	06/20/73-08/24/94	12	10.9	10.95	14.1	8.5	4.19	2.047	8.53	8.825	13.125	13.86
00340	COD, .25N K2CR2O7 MG/L	03/23/76-08/29/89	12	36.5	43.25	110.	8.	1037.477	32.21	8.	17.5	67.5	103.1
00400	PH (STANDARD UNITS)	05/10/73-08/24/94	12	8.28	8.208	8.89	7.41	0.173	0.415	7.431	8.122	8.345	8.818
00400	CONVERTED PH (STANDARD UNITS)	05/10/73-08/24/94	12	8.279	7.999	8.89	7.41	0.221	0.47	7.431	8.122	8.345	8.818
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/10/73-08/24/94	12	0.005	0.01	0.039	0.001	0.	0.012	0.002	0.005	0.008	0.037
00403	PH, LAB, STANDARD UNITS SU	10/07/80-08/24/94	15	7.9	7.96	8.3	7.7	0.027	0.164	7.76	7.8	8.1	8.24
00403	CONVERTED PH, LAB, STANDARD UNITS	10/07/80-08/24/94	15	7.9	7.933	8.3	7.7	0.028	0.166	7.76	7.8	8.1	8.24
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/07/80-08/24/94	15	0.013	0.012	0.02	0.005	0.	0.004	0.006	0.008	0.016	0.017
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/23/82-08/29/89	12	247.	372.833	1050.	14.	112816.152	335.881	15.2	110.	646.75	988.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/73-11/04/92	16	0.05	0.063	0.16	0.005	0.002	0.048	0.009	0.03	0.09	0.146
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/73-08/24/94	16	1.15	1.376	4.1	0.1	1.358	1.165	0.205	0.35	2.125	3.47
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/04/73-11/04/92	12	0.855	0.841	1.9	0.01	0.298	0.546	0.055	0.348	1.25	1.75
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/18/73-08/24/94	16	0.235	0.296	0.83	0.11	0.041	0.203	0.117	0.158	0.308	0.697
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/18/73-08/24/94	4	0.07	0.059	0.09	0.005	0.001	0.037	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/23/76-08/29/89	12	5.05	5.742	10.	1.7	8.668	2.944	2.09	3.2	8.95	9.97
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/10/73-08/24/94	16	39.	39.	52.	30.	35.2	5.933	31.4	33.25	42.75	47.8
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/10/73-08/24/94	16	5.5	5.831	8.2	3.7	1.84	1.356	4.05	4.85	7.	8.06
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/10/73-08/24/94	16	11.	11.75	19.	6.	10.809	3.288	7.47	9.45	14.	16.2
00940	CHLORIDE,TOTAL IN WATER MG/L	04/18/73-08/24/94	16	2.	2.563	5.	2.	0.663	0.814	2.	2.	3.	3.6
00945	SULFATE, TOTAL (MG/L AS SO4)	05/10/73-08/24/94	16	19.5	23.688	55.	12.	156.229	12.499	13.4	14.25	31.25	47.3
00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/10/73-08/24/94	4	0.35	0.35	0.4	0.3	0.003	0.058	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SIO2)	05/10/73-08/24/94	4	47.5	45.75	52.	36.	48.25	6.946	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	10/20/76-08/24/94	11	170.	1308.727	8800.	11.	7663142.618	2768.238	11.8	37.	380.	7880.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/20/76-08/24/94	11	2.23	2.255	3.944	1.041	0.852	0.923	1.068	1.568	2.58	3.88
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =		179.962									
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/26/77-08/24/94	12	560.	3066.5	21000.	18.	38653732.455	6217.213	27.6	120.	1875.	17520.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/26/77-08/24/94	12	2.712	2.735	4.322	1.255	0.812	0.901	1.388	2.064	3.273	4.217
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =		543.687									
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/18/73-08/24/94	4	211.	213.75	254.	179.	1001.583	31.648	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/21/71-08/24/94	4	2330.	2002.75	3010.	341.	1398316.917	1182.505	**	**	**	**

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Annual Analysis for 1989 - Station MNRR0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/71-08/24/94	10	18.25	14.4	26.5	0.	102.378	10.118	0.05	2.	23.	26.3
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/20/73-08/24/94	10	19.5	15.05	29.	-3.	173.247	13.162	1.55	0.125	28.125	28.95
00025	BAROMETRIC PRESSURE (MM OF HG)	11/03/82-08/24/94	10	723.5	722.5	728.	714.	22.5	4.743	714.3	717.75	727.	727.9
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/04/73-08/24/94	10	1365.	1393.4	2590.	597.	400632.711	632.956	620.7	862.5	1820.	2549.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/18/73-08/24/94	9	266.	270.667	385.	226.	2291.75	47.872	226.	232.5	280.	385.
00300	OXYGEN, DISSOLVED MG/L	06/20/73-08/24/94	10	9.05	9.99	12.8	8.5	2.859	1.691	8.51	8.675	11.925	12.75

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Annual Analysis for 1989 - Station MNRR0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00340 COD, .25N K2CR2O7	MG/L	03/23/76-08/29/89	9	24.	24.778	57.	8.	216.944	14.729	8.	14.	31.	57.
00400 PH (STANDARD UNITS)		05/10/73-08/24/94	10	8.43	8.429	8.89	7.87	0.093	0.305	7.903	8.2	8.7	8.877
00400 CONVERTED PH (STANDARD UNITS)		05/10/73-08/24/94	10	8.427	8.331	8.89	7.87	0.104	0.323	7.903	8.2	8.7	8.877
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/10/73-08/24/94	10	0.004	0.005	0.013	0.001	0.	0.004	0.001	0.002	0.006	0.013
00403 PH, LAB, STANDARD UNITS	SU	10/07/80-08/24/94	13	8.	8.046	8.3	7.9	0.019	0.139	7.9	7.95	8.15	8.3
00403 CONVERTED PH, LAB, STANDARD UNITS		10/07/80-08/24/94	13	8.	8.027	8.3	7.9	0.02	0.14	7.9	7.95	8.15	8.3
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/07/80-08/24/94	13	0.01	0.009	0.013	0.005	0.	0.003	0.005	0.007	0.011	0.013
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		02/23/82-08/29/89	9	68.	166.444	581.	10.	35492.778	188.395	10.	36.5	279.	581.
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/18/73-11/04/92	13	0.03	0.043	0.13	0.005	0.001	0.037	0.007	0.01	0.07	0.11
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/18/73-08/24/94	13	0.83	0.862	1.6	0.2	0.191	0.437	0.22	0.555	1.2	1.56
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/04/73-11/04/92	9	0.71	0.739	1.9	0.01	0.448	0.669	0.01	0.03	1.25	1.9
00665 PHOSPHORUS, TOTAL (MG/L AS P)		04/18/73-08/24/94	13	0.15	0.21	0.6	0.08	0.021	0.145	0.088	0.115	0.285	0.504
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)		04/18/73-08/24/94	4	0.06	0.053	0.08	0.01	0.001	0.031	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		03/23/76-08/29/89	9	3.5	4.233	7.3	2.3	3.133	1.77	2.3	2.85	5.85	7.3
00915 CALCIUM, DISSOLVED (MG/L AS CA)		05/10/73-08/24/94	13	35.	35.846	47.	31.	20.974	4.58	31.4	32.	37.	45.4
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		05/10/73-08/24/94	13	4.6	4.708	6.1	3.7	0.454	0.674	3.82	4.15	5.15	5.9
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/10/73-08/24/94	13	9.7	9.523	11.	8.5	0.55	0.742	8.54	8.75	10.	10.6
00940 CHLORIDE,TOTAL IN WATER	MG/L	04/18/73-08/24/94	13	2.	2.077	4.	1.	0.577	0.76	1.	2.	2.	3.6
00945 SULFATE, TOTAL (MG/L AS SO4)		05/10/73-08/24/94	13	13.	13.846	26.	5.	40.141	6.336	5.	9.5	19.	24.4
00950 FLUORIDE, DISSOLVED (MG/L AS F)		05/10/73-08/24/94	4	0.3	0.325	0.4	0.3	0.003	0.05	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)		05/10/73-08/24/94	4	47.5	47.	49.	44.	6.	2.449	**	**	**	**
31625 FECAL COLIFORM, MF,M-FC, 0.7 UM		10/20/76-08/24/94	10	54.	75.8	220.	11.	4108.178	64.095	12.7	31.75	104.25	213.
31625 LOG FECAL COLIFORM, MF,M-FC, 0.7 UM		10/20/76-08/24/94	10	1.732	1.744	2.342	1.041	0.14	0.374	1.082	1.501	2.006	2.326
31625 GM FECAL COLIFORM, MF,M-FC, 0.7 UM		GEOMETRIC MEAN =		55.505									
31673 FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		07/26/77-08/24/94	10	130.	157.8	310.	30.	8977.289	94.749	34.2	81.	245.	305.
31673 LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		07/26/77-08/24/94	10	2.113	2.11	2.491	1.477	0.1	0.316	1.515	1.908	2.389	2.484
31673 GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		GEOMETRIC MEAN =		128.709									
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L		04/18/73-08/24/94	4	188.	188.75	208.	171.	271.583	16.48	**	**	**	**
70342 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM		11/21/71-08/14/90	1	24.	24.	24.	24.	0.	0.	**	**	**	**
70343 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM		11/21/71-08/14/90	1	49.	49.	49.	49.	0.	0.	**	**	**	**
70344 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM		11/21/71-08/14/90	1	99.	99.	99.	99.	0.	0.	**	**	**	**
70345 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM		11/21/71-08/14/90	1	100.	100.	100.	100.	0.	0.	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)		11/21/71-08/24/94	4	1003.5	934.5	1560.	171.	454923.	674.48	**	**	**	**

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Annual Analysis for 1990 - Station MNRR0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		11/21/71-08/24/94	4	10.	14.5	30.5	7.5	117.833	10.855	**	**	**	**
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		06/20/73-08/24/94	4	15.75	16.75	31.	4.5	136.75	11.694	**	**	**	**
00025 BAROMETRIC PRESSURE (MM OF HG)		11/03/82-08/24/94	4	721.	720.75	726.	715.	20.917	4.573	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/04/73-08/24/94	4	1905.	1857.5	2480.	1140.	339091.667	582.316	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/18/73-08/24/94	4	267.	261.75	277.	236.	333.583	18.264	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	06/20/73-08/24/94	4	11.	10.375	11.4	8.1	2.363	1.537	**	**	**	**
00400 PH (STANDARD UNITS)		05/10/73-08/24/94	4	8.48	8.545	9.08	8.14	0.153	0.391	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		05/10/73-08/24/94	4	8.48	8.435	9.08	8.14	0.169	0.411	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/10/73-08/24/94	4	0.003	0.004	0.007	0.001	0.	0.003	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	10/07/80-08/24/94	4	8.05	8.125	8.4	8.	0.036	0.189	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		10/07/80-08/24/94	4	8.047	8.098	8.4	8.	0.037	0.192	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/07/80-08/24/94	4	0.009	0.008	0.01	0.004	0.	0.003	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/18/73-11/04/92	4	0.04	0.046	0.1	0.005	0.002	0.04	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/18/73-08/24/94	4	0.45	0.475	0.8	0.2	0.076	0.275	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/04/73-11/04/92	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		04/18/73-08/24/94	4	0.18	0.2	0.33	0.11	0.009	0.093	**	**	**	**
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)		04/18/73-08/24/94	4	0.055	0.046	0.07	0.005	0.001	0.029	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		05/10/73-08/24/94	4	36.	35.5	38.	32.	6.333	2.517	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station MNRR0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		05/10/73-08/24/94	4	4.85	4.725	5.2	4.	0.263	0.512	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/10/73-08/24/94	4	9.45	9.475	9.8	9.2	0.076	0.275	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	04/18/73-08/24/94	4	2.5	2.75	4.	2.	0.917	0.957	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/10/73-08/24/94	4	15.5	15.75	20.	12.	14.917	3.862	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)		05/10/73-08/24/94	4##	0.125	0.15	0.3	0.05	0.015	0.122	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)		05/10/73-08/24/94	4	46.5	47.	50.	45.	4.667	2.16	**	**	**	**
31625 FECAL COLIFORM, MF,M-FC, 0.7 UM		10/20/76-08/24/94	4	41.	108.	320.	30.	20004.667	141.438	**	**	**	**
31625 LOG FECAL COLIFORM, MF,M-FC, 0.7 UM		10/20/76-08/24/94	4	1.612	1.802	2.505	1.477	0.224	0.474	**	**	**	**
31625 GM FECAL COLIFORM, MF,M-FC, 0.7 UM		GEOMETRIC MEAN =		63.343									
31673 FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		07/26/77-08/24/94	4	295.	265.5	430.	42.	26267.667	162.073	**	**	**	**
31673 LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		07/26/77-08/24/94	4	2.47	2.299	2.633	1.623	0.209	0.457	**	**	**	**
31673 GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		GEOMETRIC MEAN =		199.094									
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L		04/18/73-08/24/94	4	182.5	179.	198.	153.	402.	20.05	**	**	**	**
70342 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM		11/21/71-08/14/90	3	28.	28.667	31.	27.	4.333	2.082	**	**	**	**
70343 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM		11/21/71-08/14/90	3	51.	48.667	54.	41.	46.333	6.807	**	**	**	**
70344 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM		11/21/71-08/14/90	3	94.	93.	97.	88.	21.	4.583	**	**	**	**
70345 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM		11/21/71-08/14/90	3	100.	100.	100.	100.	0.	0.	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)		11/21/71-08/24/94	4	1055.	984.5	1540.	288.	275227.667	524.621	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station MNRR0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		11/21/71-08/24/94	4	18.5	16.75	29.	1.	201.417	14.192	**	**	**	**
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		06/20/73-08/24/94	4	24.25	23.75	30.	16.5	45.75	6.764	**	**	**	**
00025 BAROMETRIC PRESSURE (MM OF HG)		11/03/82-08/24/94	4	718.5	718.	725.	710.	38.	6.164	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/04/73-08/24/94	4	2450.	2535.	4060.	1180.	1565433.333	1251.173	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/18/73-08/24/94	4	245.5	245.25	262.	228.	200.917	14.175	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	06/20/73-08/24/94	4	10.05	10.1	12.8	7.5	5.727	2.393	**	**	**	**
00400 PH (STANDARD UNITS)		05/10/73-08/24/94	3	8.28	8.367	8.58	8.24	0.035	0.186	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		05/10/73-08/24/94	3	8.28	8.343	8.58	8.24	0.035	0.188	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/10/73-08/24/94	3	0.005	0.005	0.006	0.003	0.	0.002	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	10/07/80-08/24/94	4	7.8	7.825	8.	7.7	0.022	0.15	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		10/07/80-08/24/94	4	7.789	7.806	8.	7.7	0.023	0.152	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/07/80-08/24/94	4	0.016	0.016	0.02	0.01	0.	0.005	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/18/73-11/04/92	4	0.05	0.065	0.15	0.01	0.004	0.06	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/18/73-08/24/94	4	0.9	0.95	1.3	0.7	0.063	0.252	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/04/73-11/04/92	4	0.615	0.549	0.94	0.025	0.212	0.46	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		04/18/73-08/24/94	4	0.395	0.39	0.59	0.18	0.044	0.21	**	**	**	**
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)		04/18/73-08/24/94	4	0.06	0.055	0.09	0.01	0.001	0.034	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		05/10/73-08/24/94	4	32.5	32.75	35.	31.	2.917	1.708	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		05/10/73-08/24/94	4	4.3	4.25	4.5	3.9	0.063	0.252	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/10/73-08/24/94	4	9.55	9.425	10.	8.6	0.389	0.624	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	04/18/73-08/24/94	4	2.5	2.25	3.	1.	0.917	0.957	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/10/73-08/24/94	4	14.	13.5	16.	10.	7.	2.646	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)		05/10/73-08/24/94	4	0.35	0.35	0.4	0.3	0.003	0.058	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)		05/10/73-08/24/94	4	42.	43.25	49.	40.	18.25	4.272	**	**	**	**
31625 FECAL COLIFORM, MF,M-FC, 0.7 UM		10/20/76-08/24/94	4	134.	921.75	3400.	19.	2737524.25	1654.547	**	**	**	**
31625 LOG FECAL COLIFORM, MF,M-FC, 0.7 UM		10/20/76-08/24/94	4	2.012	2.208	3.531	1.279	0.97	0.985	**	**	**	**
31625 GM FECAL COLIFORM, MF,M-FC, 0.7 UM		GEOMETRIC MEAN =		161.612									
31673 FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		07/26/77-08/24/94	4	575.	1181.75	3500.	77.	2532498.917	1591.383	**	**	**	**
31673 LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		07/26/77-08/24/94	4	2.648	2.681	3.544	1.886	0.53	0.728	**	**	**	**
31673 GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		GEOMETRIC MEAN =		480.26									
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L		04/18/73-08/24/94	4	177.	176.5	185.	167.	54.333	7.371	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)		11/21/71-08/24/94	4	1545.	1624.75	3180.	229.	1487896.917	1219.794	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station MNRR0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		11/21/71-08/24/94	3	3.	6.	14.	1.	49.	7.	**	**	**	**
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		06/20/73-08/24/94	3	-2.	6.	14.5	-2.	68.25	8.261	**	**	**	**
00025 BAROMETRIC PRESSURE (MM OF HG)		11/03/82-08/24/94	3	726.	726.333	727.	726.	0.333	0.577	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/04/73-08/24/94	3	1530.	1756.667	2500.	1240.	435433.333	659.874	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/18/73-08/24/94	3	257.	258.667	266.	253.	44.333	6.658	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	06/20/73-08/24/94	3	12.7	11.6	13.2	8.9	5.53	2.352	**	**	**	**
00400 PH (STANDARD UNITS)		05/10/73-08/24/94	3	8.4	8.433	8.6	8.3	0.023	0.153	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		05/10/73-08/24/94	3	8.4	8.416	8.6	8.3	0.024	0.154	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/10/73-08/24/94	3	0.004	0.004	0.005	0.003	0.	0.001	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	10/07/80-08/24/94	2	8.1	8.1	8.2	8.	0.02	0.141	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		10/07/80-08/24/94	2	8.089	8.089	8.2	8.	0.02	0.142	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/07/80-08/24/94	2	0.008	0.008	0.01	0.006	0.	0.003	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/18/73-11/04/92	2	0.035	0.035	0.04	0.03	0.	0.007	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/18/73-08/24/94	2	0.8	0.8	0.9	0.7	0.02	0.141	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/04/73-11/04/92	2	1.05	1.05	1.1	1.	0.005	0.071	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		04/18/73-08/24/94	2	0.33	0.33	0.33	0.33	0.	0.	**	**	**	**
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)		04/18/73-08/24/94	2	0.075	0.075	0.08	0.07	0.	0.007	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		05/10/73-08/24/94	2	35.	35.	36.	34.	2.	1.414	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		05/10/73-08/24/94	2	4.7	4.7	5.1	4.3	0.32	0.566	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/10/73-08/24/94	2	9.	9.	9.1	8.9	0.02	0.141	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	04/18/73-08/24/94	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/10/73-08/24/94	2	15.	15.	15.	15.	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)		05/10/73-08/24/94	2	0.25	0.25	0.3	0.2	0.005	0.071	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)		05/10/73-08/24/94	2	44.	44.	44.	44.	0.	0.	**	**	**	**
31625 FECAL COLIFORM, MF,M-FC, 0.7 UM		10/20/76-08/24/94	3	43.	58.	90.	41.	769.	27.731	**	**	**	**
31625 LOG FECAL COLIFORM, MF,M-FC, 0.7 UM		10/20/76-08/24/94	3	1.633	1.733	1.954	1.613	0.037	0.191	**	**	**	**
31625 GM FECAL COLIFORM, MF,M-FC, 0.7 UM		GEOMETRIC MEAN =		54.138									
31673 FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		07/26/77-08/24/94	3	110.	169.667	320.	79.	17190.333	131.112	**	**	**	**
31673 LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		07/26/77-08/24/94	3	2.041	2.148	2.505	1.898	0.101	0.317	**	**	**	**
31673 GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		GEOMETRIC MEAN =		140.623									
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L		04/18/73-08/24/94	2	190.	190.	196.	184.	72.	8.485	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)		11/21/71-08/24/94	1	1630.	1630.	1630.	1630.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station MNRR0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		11/21/71-08/24/94	4	12.75	15.375	30.5	5.5	131.729	11.477	**	**	**	**
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		06/20/73-08/24/94	4	13.75	13.125	21.	4.	58.063	7.62	**	**	**	**
00025 BAROMETRIC PRESSURE (MM OF HG)		11/03/82-08/24/94	4	723.5	723.5	729.	718.	28.333	5.323	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/04/73-08/24/94	4	2435.	2412.5	2960.	1820.	245291.667	495.269	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/18/73-08/24/94	4	284.	290.5	316.	278.	297.667	17.253	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	06/20/73-08/24/94	4	9.55	9.8	12.1	8.	3.927	1.982	**	**	**	**
00400 PH (STANDARD UNITS)		05/10/73-08/24/94	4	8.35	8.45	8.8	8.3	0.057	0.238	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		05/10/73-08/24/94	4	8.347	8.409	8.8	8.3	0.059	0.243	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/10/73-08/24/94	4	0.004	0.004	0.005	0.002	0.	0.002	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	10/07/80-08/24/94	4	7.9	7.875	7.9	7.8	0.003	0.05	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		10/07/80-08/24/94	4	7.9	7.873	7.9	7.8	0.003	0.05	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/07/80-08/24/94	4	0.013	0.013	0.016	0.013	0.	0.002	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/18/73-08/24/94	4	0.8	0.8	1.	0.6	0.053	0.231	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		04/18/73-08/24/94	4	0.26	0.253	0.38	0.11	0.012	0.112	**	**	**	**
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)		04/18/73-08/24/94	4	0.09	0.114	0.27	0.005	0.012	0.112	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		05/10/73-08/24/94	4	38.	38.75	41.	38.	2.25	1.5	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		05/10/73-08/24/94	4	5.7	5.775	6.6	5.1	0.383	0.618	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/10/73-08/24/94	4	10.5	10.725	12.	9.9	0.969	0.984	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	04/18/73-08/24/94	4	2.5	2.5	3.	2.	0.333	0.577	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station MNRR0086

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945 SULFATE, TOTAL (MG/L AS SO4)	05/10/73-08/24/94	4	24.5	24.75	31.	19.	37.583	6.131	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	05/10/73-08/24/94	4	0.3	0.3	0.4	0.2	0.007	0.082	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)	05/10/73-08/24/94	4	42.	41.75	43.	40.	2.25	1.5	**	**	**	**
31625 FECAL COLIFORM, MF,M-FC, 0.7 UM	10/20/76-08/24/94	4	285.5	828.	2700.	41.	1596008.667	1263.332	**	**	**	**
31625 LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/20/76-08/24/94	4	2.32	2.421	3.431	1.613	0.652	0.807	**	**	**	**
31625 GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =		263.698									
31673 FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/26/77-08/24/94	4	235.	585.5	1800.	72.	662281.	813.806	**	**	**	**
31673 LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/26/77-08/24/94	4	2.366	2.461	3.255	1.857	0.341	0.584	**	**	**	**
31673 GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =		289.234									
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/18/73-08/24/94	4	205.	208.75	237.	188.	435.583	20.871	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/21/71-08/24/94	4	1169.5	1209.75	1730.	770.	212020.25	460.457	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station MNRR0086

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/71-08/24/94	3	27.	20.667	27.5	7.5	130.083	11.405	**	**	**	**
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/20/73-08/24/94	3	28.5	25.167	34.5	12.5	129.333	11.372	**	**	**	**
00025 BAROMETRIC PRESSURE (MM OF HG)	11/03/82-08/24/94	3	723.	723.333	725.	722.	2.333	1.528	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/04/73-08/24/94	3	1280.	1525.	2360.	935.	552675.	743.421	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/18/73-08/24/94	3	292.	284.667	302.	260.	481.333	21.939	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	06/20/73-08/24/94	3	8.9	9.333	11.4	7.7	3.563	1.888	**	**	**	**
00400 PH (STANDARD UNITS)	05/10/73-08/24/94	3	8.8	8.567	8.9	8.	0.243	0.493	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	05/10/73-08/24/94	3	8.8	8.368	8.9	8.	0.302	0.55	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/10/73-08/24/94	3	0.002	0.004	0.01	0.001	0.	0.005	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	10/07/80-08/24/94	3	7.7	7.633	7.8	7.4	0.043	0.208	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	10/07/80-08/24/94	3	7.7	7.599	7.8	7.4	0.045	0.212	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/07/80-08/24/94	3	0.02	0.025	0.04	0.016	0.	0.013	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/73-08/24/94	3	0.9	0.7	0.9	0.3	0.12	0.346	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	04/18/73-08/24/94	3	0.19	0.21	0.41	0.03	0.036	0.191	**	**	**	**
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)	04/18/73-08/24/94	3##	0.005	0.03	0.08	0.005	0.002	0.043	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)	05/10/73-08/24/94	3	39.	37.667	41.	33.	17.333	4.163	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	05/10/73-08/24/94	3	5.8	5.467	5.9	4.7	0.443	0.666	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)	05/10/73-08/24/94	3	11.	10.4	11.	9.2	1.08	1.039	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	04/18/73-08/24/94	3	2.	2.	2.	2.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	05/10/73-08/24/94	3	23.	20.667	25.	14.	34.333	5.859	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	05/10/73-08/24/94	3	0.3	0.333	0.4	0.3	0.003	0.058	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)	05/10/73-08/24/94	3	43.	44.333	48.	42.	10.333	3.215	**	**	**	**
31625 FECAL COLIFORM, MF,M-FC, 0.7 UM	10/20/76-08/24/94	3	74.	78.333	150.	11.	4844.333	69.601	**	**	**	**
31625 LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/20/76-08/24/94	3	1.869	1.696	2.176	1.041	0.345	0.587	**	**	**	**
31625 GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =		49.61									
31673 FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/26/77-08/24/94	3	79.	119.667	230.	50.	9340.333	96.645	**	**	**	**
31673 LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/26/77-08/24/94	3	1.898	1.986	2.362	1.699	0.116	0.34	**	**	**	**
31673 GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =		96.852									
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/18/73-08/24/94	3	213.	202.333	217.	177.	485.333	22.03	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/21/71-08/24/94	3	1130.	1106.333	1710.	479.	379260.333	615.841	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 11/20 to 1/14 - Station MNRR0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		11/21/71-08/24/94	31	0.5	0.871	5.	0.	1.149	1.072	0.5	0.5	0.5	2.
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		06/20/73-08/24/94	23	-2.	-1.283	12.	-17.	65.132	8.07	1.5	4.	-10.	-12.8
00025 BAROMETRIC PRESSURE (MM OF HG)		11/03/82-08/24/94	13	723.	721.923	732.	712.	31.077	5.575	712.4	718.	725.5	730.
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/04/73-08/24/94	30	1390.	1450.533	2510.	576.	259258.395	509.174	788.9	1092.5	1780.	2312.
00070 TURBIDITY, (JACKSON CANDLE UNITS)		06/20/73-08/05/80	7	35.	31.143	75.	8.	545.81	23.363	**	**	**	**
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		06/20/78-08/24/94	7	43.	44.286	77.	18.	415.571	20.386	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/18/73-08/24/94	22	287.5	286.455	368.	242.	817.784	28.597	245.2	271.75	296.25	326.3
00300 OXYGEN, DISSOLVED	MG/L	06/20/73-08/24/94	22	13.	12.3	14.2	4.2	5.944	2.438	7.55	12.4	13.575	13.97
00310 BOD, 5 DAY, 20 DEG C	MG/L	04/18/73-08/05/80	6	2.4	3.35	9.4	0.6	11.055	3.325	**	**	**	**
00340 COD, .25N K2CR2O7	MG/L	03/23/76-08/29/89	15	19.	19.4	44.	5.	155.4	12.466	5.	8.	25.	41.6
00400 PH (STANDARD UNITS)		05/10/73-08/24/94	23	7.7	7.773	8.38	7.3	0.092	0.303	7.4	7.6	7.91	8.278
00400 CONVERTED PH (STANDARD UNITS)		05/10/73-08/24/94	23	7.7	7.685	8.38	7.3	0.1	0.316	7.4	7.6	7.91	8.278
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/10/73-08/24/94	23	0.02	0.021	0.05	0.004	0.	0.012	0.005	0.012	0.025	0.04
00403 PH, LAB, STANDARD UNITS	SU	10/07/80-08/24/94	15	8.	8.	8.4	7.7	0.026	0.16	7.76	7.9	8.1	8.22
00403 CONVERTED PH, LAB, STANDARD UNITS		10/07/80-08/24/94	15	8.	7.974	8.4	7.7	0.026	0.163	7.76	7.9	8.1	8.22
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/07/80-08/24/94	15	0.01	0.011	0.02	0.004	0.	0.004	0.006	0.008	0.013	0.017
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/10/73-11/13/90	7	120.	91.857	140.	0.	3997.476	63.226	**	**	**	**
00452 CARBONATE,WATER,DISS.INCR TIT, FIELD, AS CO3, MG/L		11/26/85-08/24/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00453 BICARBONATE,WATER,DISS.INCR TIT,FIELD,AS HCO3,MG/L		11/26/85-08/24/94	2	169.	169.	199.	139.	1800.	42.426	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		02/23/82-08/29/89	13	66.	95.846	244.	18.	5957.974	77.188	18.8	33.	179.5	226.4
00600 NITROGEN, TOTAL (MG/L AS N)		10/04/73-03/22/83	9	1.6	1.756	3.6	1.2	0.53	0.728	1.2	1.3	1.8	3.6
00605 NITROGEN, ORGANIC, TOTAL (MG/L AS N)		04/18/73-02/11/87	10	0.53	0.726	2.7	0.19	0.514	0.717	0.2	0.403	0.698	2.514
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)		03/23/76-08/24/94	6	0.03	0.033	0.06	0.01	0.	0.02	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/18/73-11/04/92	22	0.045	0.054	0.13	0.02	0.001	0.029	0.02	0.03	0.073	0.09
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)		09/20/77-08/24/94	2##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
00623 NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)		03/23/76-08/19/91	5	0.39	0.422	0.58	0.2	0.024	0.155	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/18/73-08/24/94	21	0.58	0.701	2.8	0.22	0.311	0.558	0.26	0.36	0.795	1.28
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/04/73-11/04/92	21	1.1	1.187	1.9	0.65	0.083	0.289	0.81	0.98	1.4	1.5
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)		04/18/73-08/24/94	9	1.	0.867	1.1	0.	0.125	0.354	0.	0.75	1.1	1.1
00665 PHOSPHORUS, TOTAL (MG/L AS P)		04/18/73-08/24/94	22	0.175	0.218	0.64	0.13	0.014	0.119	0.13	0.148	0.228	0.377
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)		04/18/73-08/24/94	11	0.1	0.102	0.15	0.08	0.	0.021	0.08	0.08	0.11	0.144
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		10/04/73-08/24/94	3	0.07	0.077	0.09	0.07	0.	0.012	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		03/23/76-08/29/89	19	4.3	4.311	9.1	0.8	3.735	1.933	2.	2.9	5.5	6.9
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/10/73-02/12/86	10	120.	126.	170.	110.	382.222	19.551	110.	110.	140.	167.
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)		05/10/73-08/05/80	5	0.	1.4	7.	0.	9.8	3.13	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		05/10/73-08/24/94	21	39.	40.238	62.	34.	21.89	4.679	35.2	37.	43.5	48.2
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		05/10/73-08/24/94	21	5.6	5.7	7.8	4.4	0.651	0.807	4.72	5.2	6.05	7.08
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/10/73-08/24/94	19	10.	10.984	19.	8.7	4.935	2.221	9.3	10.	11.	13.
00931 SODIUM ADSORPTION RATIO		05/10/73-02/12/86	8	0.4	0.413	0.5	0.4	0.001	0.035	**	**	**	**
00932 SODIUM, PERCENT		05/10/73-02/12/86	8	14.5	15.	17.	14.	1.429	1.195	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)		05/10/73-08/24/94	10	5.95	6.08	7.3	5.	0.56	0.748	5.04	5.4	6.75	7.26
00940 CHLORIDE,TOTAL IN WATER	MG/L	04/18/73-08/24/94	22	2.	2.25	3.	1.	0.256	0.506	2.	2.	2.625	3.
00945 SULFATE, TOTAL (MG/L AS SO4)		05/10/73-08/24/94	21	19.	18.238	25.	5.	18.69	4.323	12.4	16.5	21.	22.8
00950 FLUORIDE, DISSOLVED (MG/L AS F)		05/10/73-08/24/94	10	0.35	0.35	0.4	0.3	0.003	0.053	0.3	0.3	0.4	0.4
00955 SILICA, DISSOLVED (MG/L AS SIO2)		05/10/73-08/24/94	10	53.5	51.8	59.	43.	32.178	5.673	43.2	46.5	56.5	58.9
01000 ARSENIC, DISSOLVED (UG/L AS AS)		10/04/73-08/19/91	6	4.	3.75	5.	0.5	2.775	1.666	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)		03/23/76-08/22/89	5	5.	5.8	8.	5.	1.7	1.304	**	**	**	**
01005 BARIUM, DISSOLVED (UG/L AS BA)		10/04/73-08/24/94	5	98.	89.6	150.	50.	1740.8	41.723	**	**	**	**
01010 BERYLLIUM, DISSOLVED (UG/L AS BE)		11/03/82-08/19/91	3##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01020 BORON, DISSOLVED (UG/L AS B)		05/10/73-09/25/79	3	30.	33.333	40.	30.	33.333	5.774	**	**	**	**
01025 CADMIUM, DISSOLVED (UG/L AS CD)		03/20/74-08/19/91	5##	0.5	0.8	2.	0.	0.575	0.758	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)		03/23/76-08/22/89	5##	2.	3.7	7.5	0.5	12.325	3.511	**	**	**	**
01030 CHROMIUM, DISSOLVED (UG/L AS CR)		10/04/73-08/19/91	5##	0.5	0.4	1.	0.	0.175	0.418	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)		03/23/76-08/22/89	5##	5.	7.2	16.	0.	36.7	6.058	**	**	**	**
01035 COBALT, DISSOLVED (UG/L AS CO)		03/23/76-08/24/94	5##	1.5	1.2	1.5	0.	0.45	0.671	**	**	**	**
01040 COPPER, DISSOLVED (UG/L AS CU)		03/20/74-08/19/91	5	2.	1.8	3.	1.	0.7	0.837	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)		03/23/76-08/22/89	5	8.	12.2	20.	5.	52.2	7.225	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)		03/23/76-08/07/84	2	1515.	1515.	2700.	330.	2808450.	1675.843	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)		05/10/73-08/24/94	7	31.	28.714	40.	20.	73.238	8.558	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 11/20 to 1/14 - Station MNRR0086

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01049 LEAD, DISSOLVED (UG/L AS PB)	03/20/74-08/19/91	4	2.75	2.625	4.	1.	1.563	1.25	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	03/23/76-08/22/89	4	7.	11.75	30.	3.	157.583	12.553	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	03/23/76-08/07/84	2	115.	115.	180.	50.	8450.	91.924	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)	05/10/73-08/24/94	7	12.	12.286	30.	5.	80.571	8.976	**	**	**	**
01060 MOLYBDENUM, DISSOLVED (UG/L AS MO)	10/04/73-08/24/94	3##	5.	5.	5.	5.	0.	0.	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)	11/07/79-08/24/94	3	1.	1.	1.	1.	0.	0.	**	**	**	**
01075 SILVER, DISSOLVED (UG/L AS AG)	03/20/74-08/24/94	5##	0.5	0.4	1.	0.	0.175	0.418	**	**	**	**
01077 SILVER, TOTAL (UG/L AS AG)	01/04/78-08/22/89	6##	0.25	0.25	0.5	0.	0.075	0.274	**	**	**	**
01080 STRONTIUM, DISSOLVED (UG/L AS SR)	10/04/73-08/24/94	3	210.	230.	280.	200.	1900.	43.589	**	**	**	**
01085 VANADIUM, DISSOLVED (UG/L AS V)	10/04/73-08/24/94	3##	3.	3.	3.	3.	0.	0.	**	**	**	**
01090 ZINC, DISSOLVED (UG/L AS ZN)	10/04/73-08/19/91	5	9.	10.	25.	0.	88.	9.381	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	03/23/76-08/22/89	5	20.	23.	40.	10.	145.	12.042	**	**	**	**
01106 ALUMINUM, DISSOLVED (UG/L AS AL)	10/04/73-08/24/94	3	30.	30.	30.	30.	0.	0.	**	**	**	**
01130 LITHIUM, DISSOLVED (UG/L AS LI)	10/04/73-08/24/94	3	15.	16.	19.	14.	7.	2.646	**	**	**	**
01145 SELENIUM, DISSOLVED (UG/L AS SE)	10/04/73-08/24/94	5	1.	1.2	2.	1.	0.2	0.447	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	03/23/76-08/22/89	4##	1.	1.25	2.	1.	0.25	0.5	**	**	**	**
31625 FECAL COLIFORM, MF,M-FC, 0.7 UM	10/20/76-08/24/94	20	37.	56.55	203.	11.	2735.629	52.303	15.	19.	77.5	171.4
31625 LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/20/76-08/24/94	20	1.568	1.61	2.307	1.041	0.126	0.354	1.176	1.279	1.888	2.227
31625 GM FECAL COLIFORM, MF,M-FC, 0.7 UM		GEOMETRIC MEAN =		40.693								
31673 FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/26/77-08/24/94	19	200.	691.684	5100.	18.	2040223.228	1428.364	30.	96.	500.	4300.
31673 LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/26/77-08/24/94	19	2.301	2.347	3.708	1.255	0.368	0.607	1.477	1.982	2.699	3.633
31673 GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		GEOMETRIC MEAN =		222.395								
39086 ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	11/26/85-08/24/94	2	138.5	138.5	163.	114.	1200.5	34.648	**	**	**	**
60050 ALGAE, TOTAL (CELLS/ML)	11/27/74-07/22/81	3	2300.	4993.333	12000.	680.	37476133.333	6121.775	**	**	**	**
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/18/73-08/24/94	10	206.	215.2	279.	165.	950.622	30.832	167.5	200.5	234.	274.8
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	05/10/73-02/12/86	8	214.5	219.625	263.	192.	489.411	22.123	**	**	**	**
70302 SOLIDS, DISSOLVED-TONS PER DAY	04/18/73-02/22/83	8	589.	595.	790.	317.	30918.857	175.838	**	**	**	**
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/18/73-02/22/83	8	0.28	0.291	0.32	0.26	0.	0.022	**	**	**	**
70331 SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	11/28/84-08/24/94	2	61.	61.	99.	23.	2888.	53.74	**	**	**	**
70342 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	11/21/71-08/14/90	12	12.5	14.75	59.	1.	237.477	15.41	1.	5.25	16.25	48.5
70343 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	11/21/71-08/14/90	12	26.5	34.083	85.	16.	348.629	18.672	17.8	23.5	42.75	74.2
70344 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	11/21/71-08/14/90	12	82.	83.333	99.	64.	104.061	10.201	65.8	78.5	91.	98.1
70345 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	11/21/71-08/14/90	12	99.5	98.5	100.	93.	4.818	2.195	93.9	97.25	100.	100.
71886 PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/10/79-02/12/86	7	0.46	0.561	1.2	0.4	0.081	0.284	**	**	**	**
71887 NITROGEN, TOTAL, AS NO3 - MG/L	10/04/73-03/22/83	9	7.1	7.733	16.	5.3	10.525	3.244	5.3	5.75	7.85	16.
71890 MERCURY, DISSOLVED (UG/L AS HG)	10/04/73-08/19/91	4##	0.125	0.15	0.3	0.05	0.015	0.122	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	03/20/74-08/22/89	4##	0.05	0.088	0.2	0.05	0.006	0.075	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/21/71-08/24/94	13	1620.	1472.385	2390.	273.	485747.923	696.956	306.2	926.	1990.	2366.
80155 SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/21/71-07/21/82	10	5175.	5800.1	12400.	811.	12704957.878	3564.401	959.9	3147.5	8232.5	12158.
80158 BED MATERIAL FALL DIAMETER, % FINER THAN .062MM	07/19/72-04/27/82	4	0.	0.25	1.	0.	0.25	0.5	**	**	**	**
80159 BED MATERIAL FALL DIAMETER, % FINER THAN .125MM	07/19/72-04/27/82	5	1.	2.8	9.	0.	13.2	3.633	**	**	**	**
80160 BED MATERIAL FALL DIAMETER, % FINER THAN .250MM	07/19/72-04/27/82	5	29.	36.8	66.	23.	301.2	17.355	**	**	**	**
80161 BED MATERIAL FALL DIAMETER, % FINER THAN .500MM	07/19/72-04/27/82	5	88.	84.6	97.	65.	140.3	11.845	**	**	**	**
80162 BED MATERIAL FALL DIAMETER, % FINER THAN 1.00MM	07/19/72-04/27/82	5	98.	96.8	99.	92.	8.7	2.95	**	**	**	**
80169 BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	07/19/72-04/27/82	5	98.	98.6	100.	97.	1.8	1.342	**	**	**	**
80170 BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	07/19/72-08/07/84	3	99.	99.333	100.	99.	0.333	0.577	**	**	**	**
80171 BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	08/30/72-06/24/81	2	100.	100.	100.	100.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 3/14 - Station MNRR0086

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/71-08/24/94	34	0.5	1.794	8.5	0.5	6.017	2.453	0.5	0.5	3.	7.25
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/20/73-08/24/94	26	-4.5	1.923	20.	-11.	84.554	9.195	0.5	4.125	13.375	-10.15
00025 BAROMETRIC PRESSURE (MM OF HG)	11/03/82-08/24/94	15	726.	723.133	732.	710.	48.267	6.947	712.4	717.	729.	731.4
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/04/73-08/24/94	32	1600.	1912.719	4510.	597.	846242.983	919.915	1019.	1300.	2495.	3129.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 3/14 - Station MNRR0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00070 TURBIDITY, (JACKSON CANDLE UNITS)		06/20/73-08/05/80	9	20.	17.	25.	8.	29.75	5.454	8.	12.5	20.	25.
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		06/20/78-08/24/94	14	21.	64.921	260.	7.5	6118.671	78.222	7.95	11.75	132.5	205.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/18/73-08/24/94	25	274.	275.56	385.	233.	1064.507	32.627	236.6	251.5	290.	313.8
00300 OXYGEN, DISSOLVED	MG/L	06/20/73-08/24/94	27	12.4	12.326	15.2	10.7	1.42	1.192	11.02	11.4	13.	14.14
00310 BOD, 5 DAY, 20 DEG C	MG/L	04/18/73-08/05/80	9	1.5	1.878	4.3	0.7	1.407	1.186	0.7	1.05	2.7	4.3
00340 COD, .25N K2CR2O7	MG/L	03/23/76-08/29/89	14	16.5	22.429	61.	5.	270.571	16.449	5.	11.	34.	54.
00400 PH (STANDARD UNITS)		05/10/73-08/24/94	27	7.41	7.599	8.47	7.	0.154	0.392	7.18	7.4	7.89	8.304
00400 CONVERTED PH (STANDARD UNITS)		05/10/73-08/24/94	27	7.41	7.464	8.47	7.	0.173	0.416	7.18	7.4	7.89	8.304
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/10/73-08/24/94	27	0.039	0.034	0.1	0.003	0.001	0.024	0.005	0.013	0.04	0.066
00403 PH, LAB, STANDARD UNITS	SU	10/07/80-08/24/94	19	7.9	7.868	8.1	7.6	0.021	0.145	7.7	7.7	8.	8.
00403 CONVERTED PH, LAB, STANDARD UNITS		10/07/80-08/24/94	19	7.9	7.845	8.1	7.6	0.022	0.147	7.7	7.7	8.	8.
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/07/80-08/24/94	19	0.013	0.014	0.025	0.008	0.	0.005	0.01	0.01	0.02	0.02
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/10/73-11/13/90	9	110.	78.333	130.	0.	3487.5	59.055	0.	0.	120.	130.
00452 CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3.	MG/L	11/26/85-08/24/94	6	0.	0.833	5.	0.	4.167	2.041	**	**	**	**
00453 BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3.	MG/L	11/26/85-08/24/94	6	128.	138.	181.	119.	583.6	24.158	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		02/23/82-08/29/89	13	33.	118.846	510.	9.	29548.308	171.896	9.4	16.5	203.5	465.2
00600 NITROGEN, TOTAL (MG/L AS N)		10/04/73-03/22/83	14	1.5	1.534	2.8	0.98	0.252	0.502	1.04	1.175	1.7	2.55
00605 NITROGEN, ORGANIC, TOTAL (MG/L AS N)		04/18/73-02/11/87	16	0.435	0.609	1.9	0.11	0.316	0.562	0.138	0.18	0.847	1.76
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)		03/23/76-08/24/94	12	0.055	0.064	0.21	0.	0.003	0.057	0.003	0.033	0.075	0.186
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/18/73-11/04/92	28	0.055	0.071	0.22	0.01	0.003	0.056	0.01	0.03	0.105	0.161
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)		09/20/77-08/24/94	6	0.01	0.01	0.02	0.005	0.	0.005	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		01/26/82-11/04/92	4	0.035	0.033	0.05	0.01	0.	0.017	**	**	**	**
00623 NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)		03/23/76-08/19/91	6	0.215	0.212	0.49	0.	0.033	0.183	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/18/73-08/24/94	28	0.41	0.648	2.	0.17	0.278	0.527	0.2	0.25	0.7	1.61
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/04/73-11/04/92	26	0.955	1.018	1.9	0.61	0.059	0.243	0.8	0.888	1.1	1.3
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)		04/18/73-08/24/94	15	1.	1.	1.4	0.8	0.029	0.169	0.8	0.8	1.1	1.28
00665 PHOSPHORUS, TOTAL (MG/L AS P)		04/18/73-08/24/94	28	0.15	0.211	0.62	0.08	0.02	0.14	0.109	0.13	0.27	0.511
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)		04/18/73-08/24/94	19	0.1	0.096	0.13	0.07	0.	0.017	0.07	0.08	0.11	0.12
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		10/04/73-08/24/94	9	0.07	0.082	0.15	0.06	0.001	0.027	0.06	0.07	0.085	0.15
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		03/23/76-08/29/89	17	3.6	6.194	27.	2.1	39.712	6.302	2.42	3.	6.95	18.2
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/10/73-02/12/86	12	120.	119.	140.	99.	251.818	15.869	99.	102.5	137.5	140.
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)		05/10/73-08/05/80	6	3.	2.667	6.	0.	5.467	2.338	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		05/10/73-08/24/94	25	39.	38.52	47.	30.	25.01	5.001	31.6	34.	43.5	45.
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		05/10/73-08/24/94	25	5.4	5.476	6.8	4.1	0.582	0.763	4.3	5.1	6.	6.7
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/10/73-08/24/94	24	10.	9.996	12.	8.2	1.43	1.196	8.55	8.9	11.	12.
00931 SODIUM ADSORPTION RATIO		05/10/73-02/12/86	11	0.4	0.418	0.5	0.4	0.002	0.04	0.4	0.4	0.4	0.5
00932 SODIUM, PERCENT		05/10/73-02/12/86	9	14.	14.556	17.	13.	1.278	1.13	13.	14.	15.	17.
00935 POTASSIUM, DISSOLVED (MG/L AS K)		05/10/73-08/24/94	15	5.8	5.987	7.2	5.2	0.448	0.67	5.26	5.4	6.7	7.08
00940 CHLORIDE,TOTAL IN WATER	MG/L	04/18/73-08/24/94	28	2.	2.375	7.	1.	1.104	1.051	1.9	2.	2.875	3.
00945 SULFATE, TOTAL (MG/L AS SO4)		05/10/73-08/24/94	25	19.	19.12	31.	5.	32.11	5.667	12.6	15.	22.	27.6
00950 FLUORIDE, DISSOLVED (MG/L AS F)		05/10/73-08/24/94	16	0.3	0.319	0.4	0.2	0.004	0.066	0.2	0.3	0.4	0.4
00955 SILICA, DISSOLVED (MG/L AS SIO2)		05/10/73-08/24/94	16	49.	48.563	58.	41.	32.396	5.692	41.	44.	53.	58.
01000 ARSENIC, DISSOLVED (UG/L AS AS)		10/04/73-08/19/91	10	4.	3.85	6.	0.5	2.003	1.415	0.75	3.75	4.25	5.9
01002 ARSENIC, TOTAL (UG/L AS AS)		03/23/76-08/22/89	7	5.	6.	12.	3.	9.333	3.055	**	**	**	**
01005 BARIUM, DISSOLVED (UG/L AS BA)		10/04/73-08/24/94	10	100.	102.8	130.	92.	129.289	11.371	92.1	94.5	110.	128.
01010 BERYLLIUM, DISSOLVED (UG/L AS BE)		11/03/82-08/19/91	7##	0.25	0.479	1.5	0.25	0.22	0.469	**	**	**	**
01020 BORON, DISSOLVED (UG/L AS B)		05/10/73-09/25/79	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
01025 CADMIUM, DISSOLVED (UG/L AS CD)		03/20/74-08/19/91	8##	0.5	0.75	2.	0.5	0.286	0.535	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)		03/23/76-08/22/89	7##	2.	3.857	7.5	0.5	11.81	3.436	**	**	**	**
01030 CHROMIUM, DISSOLVED (UG/L AS CR)		10/04/73-08/19/91	9##	0.5	1.889	10.	0.	9.924	3.15	0.	0.5	2.25	10.
01034 CHROMIUM, TOTAL (UG/L AS CR)		03/23/76-08/22/89	7	5.	6.143	10.	0.	15.81	3.976	**	**	**	**
01035 COBALT, DISSOLVED (UG/L AS CO)		03/23/76-08/24/94	10##	1.5	1.5	3.	0.	0.5	0.707	0.15	1.5	1.5	2.85
01040 COPPER, DISSOLVED (UG/L AS CU)		03/20/74-08/19/91	9	2.	2.278	5.	0.	2.444	1.563	0.	1.25	3.5	5.
01042 COPPER, TOTAL (UG/L AS CU)		03/23/76-08/22/89	7	8.	13.143	30.	4.	103.81	10.189	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)		03/23/76-08/07/84	3	5000.	5216.667	9800.	850.	20060833.333	4478.932	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)		05/10/73-08/24/94	11	37.	37.364	83.	5.	529.055	23.001	7.	20.	60.	78.4
01049 LEAD, DISSOLVED (UG/L AS PB)		03/20/74-08/19/91	9	2.5	2.722	7.	0.	6.132	2.476	0.	0.5	5.	7.
01051 LEAD, TOTAL (UG/L AS PB)		03/23/76-08/22/89	7	8.	10.286	30.	2.	83.571	9.142	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)		03/23/76-08/07/84	3	370.	383.333	690.	90.	90133.333	300.222	**	**	**	**

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Seasonal Analysis for Season #2: 1/15 to 3/14 - Station MNRR0086

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01056 MANGANESE, DISSOLVED (UG/L AS MN)	05/10/73-08/24/94	11	10.	11.545	36.	0.	108.673	10.425	0.6	5.	17.	33.4
01060 MOLYBDENUM, DISSOLVED (UG/L AS MO)	10/04/73-08/24/94	8##	5.	5.	5.	5.	0.	0.	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)	11/07/79-08/24/94	10	2.5	2.25	5.	0.	3.458	1.86	0.05	0.5	3.5	5.
01075 SILVER, DISSOLVED (UG/L AS AG)	03/20/74-08/24/94	10##	0.5	0.6	2.	0.	0.322	0.568	0.	0.375	0.625	1.9
01077 SILVER, TOTAL (UG/L AS AG)	01/04/78-08/22/89	7##	0.5	0.5	1.	0.	0.083	0.289	**	**	**	**
01080 STRONTIUM, DISSOLVED (UG/L AS SR)	10/04/73-08/24/94	8	190.	200.	260.	170.	857.143	29.277	**	**	**	**
01085 VANADIUM, DISSOLVED (UG/L AS V)	10/04/73-08/24/94	8##	3.	4.75	9.	3.	6.214	2.493	**	**	**	**
01090 ZINC, DISSOLVED (UG/L AS ZN)	10/04/73-08/19/91	9	9.	10.444	30.	4.	64.528	8.033	4.	5.	12.5	30.
01092 ZINC, TOTAL (UG/L AS ZN)	03/23/76-08/22/89	7	40.	50.	160.	5.	2641.667	51.397	**	**	**	**
01106 ALUMINUM, DISSOLVED (UG/L AS AL)	10/04/73-08/24/94	8	40.	40.625	80.	5.	574.554	23.97	**	**	**	**
01130 LITHIUM, DISSOLVED (UG/L AS LI)	10/04/73-08/24/94	8	13.	13.75	18.	10.	8.5	2.915	**	**	**	**
01145 SELENIUM, DISSOLVED (UG/L AS SE)	10/04/73-08/24/94	10	1.	0.95	2.	0.5	0.192	0.438	0.5	0.5	1.	1.9
01147 SELENIUM, TOTAL (UG/L AS SE)	03/23/76-08/22/89	6##	1.	1.5	3.	1.	0.7	0.837	**	**	**	**
31625 FECAL COLIFORM, MF,M-FC, 0.7 UM	10/20/76-08/24/94	24	39.	39.875	110.	10.	550.201	23.456	11.	22.25	49.5	73.5
31625 LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/20/76-08/24/94	24	1.59	1.528	2.041	1.	0.072	0.268	1.041	1.347	1.695	1.865
31625 GM FECAL COLIFORM, MF,M-FC, 0.7 UM		GEOMETRIC MEAN =		33.69								
31673 FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/26/77-08/24/94	23	210.	915.826	8400.	50.	4700617.059	2168.091	81.6	92.	420.	4640.
31673 LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/26/77-08/24/94	23	2.322	2.402	3.924	1.699	0.345	0.588	1.912	1.964	2.623	3.524
31673 GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		GEOMETRIC MEAN =		252.495								
39086 ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	11/26/85-08/24/94	6	109.	114.333	148.	97.	363.867	19.075	**	**	**	**
60050 ALGAE, TOTAL (CELLS/ML)	11/27/74-07/22/81	2	705.	705.	740.	670.	2450.	49.497	**	**	**	**
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/18/73-08/24/94	19	202.	205.	244.	177.	317.778	17.826	183.	189.	220.	227.
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	05/10/73-02/12/86	10	204.5	205.5	238.	172.	363.167	19.057	173.2	195.25	218.5	236.8
70302 SOLIDS, DISSOLVED-TONS PER DAY	04/18/73-02/22/83	12	742.5	828.417	1570.	559.	72158.083	268.623	575.8	645.5	934.75	1383.7
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/18/73-02/22/83	12	0.285	0.284	0.31	0.26	0.	0.018	0.26	0.27	0.3	0.31
70331 SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	11/28/84-08/24/94	2	26.5	26.5	31.	22.	40.5	6.364	**	**	**	**
70342 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	11/21/71-08/14/90	12	12.5	16.5	47.	0.	215.545	14.681	0.3	2.75	29.5	42.2
70343 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	11/21/71-08/14/90	12	23.5	28.917	56.	6.	323.538	17.987	6.6	12.75	47.75	54.5
70344 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	11/21/71-08/14/90	12	74.5	75.083	94.	57.	168.992	13.	57.6	62.75	86.25	93.4
70345 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	11/21/71-08/14/90	12	100.	99.	100.	95.	2.545	1.595	95.6	98.25	100.	100.
71886 PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/10/79-02/12/86	9	0.46	0.651	1.9	0.37	0.24	0.49	0.37	0.415	0.69	1.9
71887 NITROGEN, TOTAL, AS NO3 - MG/L	10/04/73-03/22/83	14	6.65	6.729	12.	4.3	4.662	2.159	4.6	5.075	7.625	11.
71890 MERCURY, DISSOLVED (UG/L AS HG)	10/04/73-08/19/91	9	0.05	0.2	0.9	0.	0.091	0.302	0.	0.05	0.3	0.9
71900 MERCURY, TOTAL (UG/L AS HG)	03/20/74-08/22/89	6	0.1	0.108	0.2	0.05	0.002	0.049	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/21/71-08/24/94	15	909.	1372.267	4380.	206.	1285570.781	1133.83	215.6	328.	2140.	3180.
80155 SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/21/71-07/21/82	10	4085.	4551.8	12000.	779.	15225858.844	3902.033	795.	984.75	7332.5	11744.
80158 BED MATERIAL FALL DIAMETER, % FINER THAN .062MM	07/19/72-04/27/82	8	0.	0.	0.	0.	0.	0.	**	**	**	**
80159 BED MATERIAL FALL DIAMETER, % FINER THAN .125MM	07/19/72-04/27/82	11	1.	2.364	8.	0.	7.055	2.656	0.	0.	4.	7.6
80160 BED MATERIAL FALL DIAMETER, % FINER THAN .250MM	07/19/72-04/27/82	11	35.	33.182	51.	16.	131.764	11.479	16.4	20.	41.	49.8
80161 BED MATERIAL FALL DIAMETER, % FINER THAN .500MM	07/19/72-04/27/82	11	86.	83.636	93.	70.	67.455	8.213	70.4	79.	92.	93.
80162 BED MATERIAL FALL DIAMETER, % FINER THAN 1.00MM	07/19/72-04/27/82	11	95.	93.545	99.	82.	37.473	6.121	82.6	87.	99.	99.
80169 BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	07/19/72-04/27/82	11	98.	95.909	100.	87.	23.691	4.867	87.2	91.	99.	100.
80170 BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	07/19/72-08/07/84	10	99.	97.7	100.	92.	9.567	3.093	92.2	94.	100.	100.
80171 BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	08/30/72-06/24/81	6	98.5	98.	100.	94.	5.2	2.28	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 7/14 - Station MNRR0086

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/71-08/24/94	111	16.	15.82	31.	0.5	58.599	7.655	6.	10.	21.5	25.9
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/20/73-08/24/94	60	19.	18.508	35.	-9.5	81.53	9.029	6.7	12.125	25.	29.5
00025 BAROMETRIC PRESSURE (MM OF HG)	11/03/82-08/24/94	37	723.	723.162	732.	712.	21.084	4.592	717.6	721.	727.	729.2
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/04/73-08/24/94	100	2015.	2269.85	7070.	670.	1196430.816	1093.815	1220.	1450.	2790.	4135.
00070 TURBIDITY, (JACKSON CANDLE UNITS)	06/20/73-08/05/80	21	95.	111.667	310.	45.	4480.833	66.939	46.	62.5	140.	228.
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/20/78-08/24/94	27	90.	106.148	240.	17.	3996.67	63.219	37.4	55.	140.	206.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/18/73-08/24/94	65	289.	297.292	400.	233.	1601.085	40.014	252.	267.5	319.5	364.2

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Seasonal Analysis for Season #3: 3/15 to 7/14 - Station MNRR0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300 OXYGEN, DISSOLVED	MG/L	06/20/73-08/24/94	61	9.4	9.626	13.2	6.7	2.178	1.476	7.92	8.7	10.8	11.68
00310 BOD, 5 DAY, 20 DEG C	MG/L	04/18/73-08/05/80	23	3.4	4.1	15.	1.3	8.277	2.877	1.72	2.6	4.5	7.56
00340 COD, .25N K2CR2O7	MG/L	03/23/76-08/29/89	32	46.	53.469	140.	14.	948.451	30.797	23.3	31.25	67.75	104.
00400 PH (STANDARD UNITS)		05/10/73-08/24/94	64	8.1	8.079	8.9	7.4	0.118	0.343	7.55	7.8	8.3	8.56
00400 CONVERTED PH (STANDARD UNITS)		05/10/73-08/24/94	64	8.1	7.946	8.9	7.4	0.136	0.369	7.55	7.8	8.3	8.56
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/10/73-08/24/94	64	0.008	0.011	0.04	0.001	0.	0.01	0.003	0.005	0.016	0.028
00403 PH, LAB, STANDARD UNITS	SU	10/07/80-08/24/94	43	8.	7.995	8.8	7.4	0.066	0.257	7.7	7.8	8.1	8.36
00403 CONVERTED PH, LAB, STANDARD UNITS		10/07/80-08/24/94	43	8.	7.925	8.8	7.4	0.071	0.267	7.7	7.8	8.1	8.36
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/07/80-08/24/94	43	0.01	0.012	0.04	0.002	0.	0.007	0.004	0.008	0.016	0.02
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/10/73-11/13/90	26	114.	90.269	140.	0.	2674.605	51.717	0.	66.75	122.5	130.6
00452 CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3,	MG/L	11/26/85-08/24/94	12	1.	3.583	13.	0.	22.811	4.776	0.	0.	6.	12.7
00453 BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,	MG/L	11/26/85-08/24/94	12	139.	140.667	172.	111.	418.606	20.46	112.5	123.75	160.	171.1
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		02/23/82-08/29/89	29	229.	340.034	1050.	22.	69509.606	263.647	90.	135.5	551.	708.
00600 NITROGEN, TOTAL (MG/L AS N)		10/04/73-03/22/83	25	1.6	1.857	3.4	0.83	0.527	0.726	0.996	1.3	2.5	2.88
00605 NITROGEN, ORGANIC, TOTAL (MG/L AS N)		04/18/73-02/11/87	27	1.	1.194	2.6	0.35	0.439	0.663	0.452	0.59	1.7	2.26
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)		03/23/76-08/24/94	24	0.035	0.037	0.13	0.	0.001	0.029	0.003	0.02	0.06	0.06
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/18/73-11/04/92	61	0.06	0.088	0.64	0.005	0.01	0.098	0.01	0.03	0.11	0.18
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)		09/20/77-08/24/94	11##	0.005	0.008	0.03	0.005	0.	0.008	0.005	0.005	0.01	0.026
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		01/26/82-11/04/92	5	0.03	0.054	0.15	0.01	0.003	0.057	**	**	**	**
00623 NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)		03/23/76-08/19/91	16	0.42	0.428	1.1	0.13	0.049	0.221	0.137	0.315	0.505	0.729
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/18/73-08/24/94	66	1.15	1.423	4.6	0.1	0.817	0.904	0.607	0.863	1.725	2.6
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/04/73-11/04/92	54	0.555	0.515	1.	0.01	0.086	0.293	0.05	0.308	0.775	0.895
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)		04/18/73-08/24/94	33	0.5	0.509	1.1	0.01	0.087	0.296	0.027	0.3	0.75	0.86
00665 PHOSPHORUS, TOTAL (MG/L AS P)		04/18/73-08/24/94	66	0.3	0.349	1.	0.11	0.03	0.173	0.187	0.22	0.418	0.566
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)		04/18/73-08/24/94	42	0.08	0.085	0.27	0.005	0.002	0.042	0.033	0.068	0.1	0.12
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		10/04/73-08/24/94	16	0.07	0.06	0.09	0.005	0.	0.022	0.023	0.043	0.078	0.083
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		03/23/76-08/29/89	43	9.2	10.628	23.	1.7	28.861	5.372	5.68	6.7	14.	19.
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/10/73-02/12/86	24	120.	115.875	140.	95.	160.288	12.66	98.	110.	120.	135.
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)		05/10/73-08/05/80	19	3.	3.211	20.	0.	23.287	4.826	0.	0.	4.	8.
00915 CALCIUM, DISSOLVED (MG/L AS CA)		05/10/73-08/24/94	62	39.	39.403	50.	31.	21.13	4.597	34.	35.	42.	46.
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		05/10/73-08/24/94	62	5.7	5.958	9.3	4.1	1.685	1.298	4.33	4.975	6.65	8.
00930 SODIUM, DISSOLVED (MG/L AS NA)		05/10/73-08/24/94	62	11.	11.713	18.	7.1	6.102	2.47	9.02	10.	13.25	15.
00931 SODIUM ADSORPTION RATIO		05/10/73-02/12/86	24	0.45	0.446	0.6	0.3	0.005	0.072	0.35	0.4	0.5	0.5
00932 SODIUM, PERCENT		05/10/73-02/12/86	23	16.	15.913	19.	13.	2.083	1.443	13.4	15.	17.	17.
00935 POTASSIUM, DISSOLVED (MG/L AS K)		05/10/73-08/24/94	38	7.4	7.403	9.4	5.3	0.957	0.978	5.99	6.85	8.125	8.72
00940 CHLORIDE,TOTAL IN WATER	MG/L	04/18/73-08/24/94	65	2.5	2.531	6.	1.	0.702	0.838	2.	2.	3.	3.
00945 SULFATE, TOTAL (MG/L AS SO4)		05/10/73-08/24/94	62	24.5	25.21	55.	1.	148.332	12.179	6.6	18.	33.	44.
00950 FLUORIDE, DISSOLVED (MG/L AS F)		05/10/73-08/24/94	38	0.4	0.38	0.6	0.05	0.009	0.097	0.3	0.3	0.4	0.5
00955 SILICA, DISSOLVED (MG/L AS SIO2)		05/10/73-08/24/94	38	43.	42.816	54.	27.	32.533	5.704	34.6	41.	46.	50.1
01000 ARSENIC, DISSOLVED (UG/L AS AS)		10/04/73-08/19/91	25	5.	7.16	27.	0.5	39.703	6.301	2.	4.	7.	19.
01002 ARSENIC, TOTAL (UG/L AS AS)		03/23/76-08/22/89	16	7.	9.375	25.	4.	29.583	5.439	4.7	6.25	11.25	19.4
01005 BARIUM, DISSOLVED (UG/L AS BA)		10/04/73-08/24/94	20	100.	102.05	200.	14.	1366.682	36.969	50.	93.75	117.5	130.
01010 BERYLLIUM, DISSOLVED (UG/L AS BE)		11/03/82-08/19/91	11##	0.25	0.595	2.7	0.25	0.554	0.744	0.25	0.25	0.5	2.38
01020 BORON, DISSOLVED (UG/L AS B)		05/10/73-09/25/79	9	40.	42.222	60.	10.	244.444	15.635	10.	35.	55.	60.
01025 CADMIUM, DISSOLVED (UG/L AS CD)		03/20/74-08/19/91	19##	0.5	0.737	2.	0.	0.344	0.586	0.	0.5	1.	2.
01027 CADMIUM, TOTAL (UG/L AS CD)		03/23/76-08/22/89	16##	4.75	4.563	10.	0.	14.763	3.842	0.35	1.	7.5	10.
01030 CHROMIUM, DISSOLVED (UG/L AS CR)		10/04/73-08/19/91	19##	0.5	0.605	5.	0.	1.238	1.113	0.	0.	0.5	1.
01034 CHROMIUM, TOTAL (UG/L AS CR)		03/23/76-08/22/89	16##	5.	9.313	30.	0.	89.563	9.464	0.	5.	10.	30.
01035 COBALT, DISSOLVED (UG/L AS CO)		03/23/76-08/24/94	22##	1.5	1.136	1.5	0.	0.409	0.64	0.	0.75	1.5	1.5
01040 COPPER, DISSOLVED (UG/L AS CU)		03/20/74-08/19/91	19	3.	2.895	7.	1.	1.877	1.37	2.	2.	3.	5.
01042 COPPER, TOTAL (UG/L AS CU)		03/23/76-08/22/89	16	14.	16.063	33.	5.	88.596	9.413	5.	8.5	22.25	30.9
01045 IRON, TOTAL (UG/L AS FE)		03/23/76-08/07/84	9	5800.	6677.778	16000.	2200.	17039444.444	4127.886	2200.	4000.	8550.	16000.
01046 IRON, DISSOLVED (UG/L AS FE)		05/10/73-08/24/94	28	28.	34.786	100.	4.	598.249	24.459	5.	16.5	51.5	70.
01049 LEAD, DISSOLVED (UG/L AS PB)		03/20/74-08/19/91	18##	1.	1.972	8.	0.	4.455	2.111	0.	0.5	2.5	5.3
01051 LEAD, TOTAL (UG/L AS PB)		03/23/76-08/22/89	15	10.	20.333	100.	2.	1055.81	32.493	3.2	5.	12.	100.
01055 MANGANESE, TOTAL (UG/L AS MN)		03/23/76-08/07/84	10	430.	598.	1500.	220.	179973.333	424.233	224.	297.5	1000.	1450.
01056 MANGANESE, DISSOLVED (UG/L AS MN)		05/10/73-08/24/94	28	5.	9.786	30.	3.	81.212	9.012	3.	5.	9.75	30.
01060 MOLYBDENUM, DISSOLVED (UG/L AS MO)		10/04/73-08/24/94	15##	5.	5.333	10.	5.	1.667	1.291	5.	5.	5.	7.
01065 NICKEL, DISSOLVED (UG/L AS NI)		11/07/79-08/24/94	17	1.	1.5	4.	0.5	1.375	1.173	0.5	0.5	2.	4.

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Seasonal Analysis for Season #3: 3/15 to 7/14 - Station MNRR0086

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01075 SILVER, DISSOLVED (UG/L AS AG)	03/20/74-08/24/94	23##	0.5	0.348	0.5	0.	0.055	0.235	0.	0.	0.5	0.5
01077 SILVER, TOTAL (UG/L AS AG)	01/04/78-08/22/89	16##	0.5	0.563	3.	0.	0.496	0.704	0.	0.125	0.5	1.6
01080 STRONTIUM, DISSOLVED (UG/L AS SR)	10/04/73-08/24/94	15	220.	222.667	290.	180.	935.238	30.582	186.	200.	250.	272.
01085 VANADIUM, DISSOLVED (UG/L AS V)	10/04/73-08/24/94	15	8.	8.2	13.	3.	5.029	2.242	4.8	7.	9.	11.2
01090 ZINC, DISSOLVED (UG/L AS ZN)	10/04/73-08/19/91	19	8.	9.132	40.	0.	81.773	9.043	0.	4.	10.	22.
01092 ZINC, TOTAL (UG/L AS ZN)	03/23/76-08/22/89	16	40.	40.313	80.	15.	484.896	22.02	15.	20.	65.	73.
01106 ALUMINUM, DISSOLVED (UG/L AS AL)	10/04/73-08/24/94	15	20.	32.333	110.	5.	835.238	28.9	5.	20.	40.	92.
01130 LITHIUM, DISSOLVED (UG/L AS LI)	10/04/73-08/24/94	15	15.	17.133	29.	12.	23.552	4.853	12.6	13.	20.	26.
01145 SELENIUM, DISSOLVED (UG/L AS SE)	10/04/73-08/24/94	23	1.	1.087	2.	0.5	0.219	0.468	0.5	1.	1.	2.
01147 SELENIUM, TOTAL (UG/L AS SE)	03/23/76-08/22/89	15	3.	3.2	7.	1.	3.6	1.897	1.	1.	4.	6.4
31625 FECAL COLIFORM, MF,M-FC, 0.7 UM	10/20/76-08/24/94	55	120.	602.727	5600.	4.	1425901.869	1194.111	29.8	51.	330.	2940.
31625 LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/20/76-08/24/94	55	2.079	2.171	3.748	0.602	0.533	0.73	1.474	1.708	2.519	3.468
31625 GM FECAL COLIFORM, MF,M-FC, 0.7 UM		GEOMETRIC MEAN =		148.389								
31673 FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/26/77-08/24/94	51	350.	2161.471	31000.	50.	29093914.774	5393.878	84.	140.	1200.	5760.
31673 LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/26/77-08/24/94	51	2.544	2.7	4.491	1.699	0.469	0.685	1.924	2.146	3.079	3.759
31673 GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		GEOMETRIC MEAN =		500.873								
39086 ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	11/26/85-08/24/94	12	121.	121.25	141.	100.	150.023	12.248	102.4	113.5	131.25	140.4
60050 ALGAE, TOTAL (CELLS/ML)	11/27/74-07/22/81	12	14500.	50058.333	160000.	1700.	3728893560.606	61064.667	2240.	5775.	119500.	154000.
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/18/73-08/24/94	39	208.	211.718	281.	153.	678.208	26.042	174.	196.	231.	244.
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	05/10/73-02/12/86	23	197.	199.826	231.	162.	307.968	17.549	179.2	187.	211.	225.6
70302 SOLIDS, DISSOLVED-TONS PER DAY	04/18/73-02/22/83	27	1020.	1148.593	2370.	396.	234582.943	484.338	587.2	748.	1460.	1912.
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/18/73-02/22/83	27	0.28	0.28	0.34	0.22	0.001	0.027	0.24	0.27	0.3	0.32
70331 SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	11/28/84-08/24/94	11	25.	29.091	51.	15.	142.291	11.929	15.2	21.	38.	50.
70342 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	11/21/71-08/14/90	59	26.	27.034	89.	1.	278.275	16.682	5.	17.	37.	42.
70343 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	11/21/71-08/14/90	58	43.	46.759	100.	21.	273.695	16.544	28.9	37.	53.25	70.5
70344 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	11/21/71-08/14/90	58	84.	82.862	100.	50.	123.139	11.097	66.8	77.	90.	97.
70345 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	11/21/71-08/14/90	55	98.	96.964	100.	80.	18.628	4.316	92.	96.	100.	100.
71886 PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/10/79-02/12/86	19	0.92	1.066	3.1	0.46	0.395	0.629	0.49	0.58	1.2	1.7
71887 NITROGEN, TOTAL, AS NO3 - MG/L	10/04/73-03/22/83	25	7.3	8.16	15.	3.7	9.863	3.141	4.4	5.6	11.	12.4
71890 MERCURY, DISSOLVED (UG/L AS HG)	10/04/73-08/19/91	18##	0.075	0.3	3.2	0.05	0.538	0.734	0.05	0.05	0.25	0.77
71900 MERCURY, TOTAL (UG/L AS HG)	03/20/74-08/22/89	15##	0.1	0.187	0.7	0.05	0.031	0.176	0.05	0.05	0.25	0.46
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/21/71-08/24/94	74	1315.	1434.851	4860.	244.	775938.704	880.874	453.5	835.5	1745.	2790.
80155 SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/21/71-07/21/82	57	4839.99	9546.631	60600.	496.	139903254.453	11828.071	1438.	2620.	10215.	29440.
80158 BED MATERIAL FALL DIAMETER, % FINER THAN .062MM	07/19/72-04/27/82	37	0.	0.27	5.	0.	0.925	0.962	0.	0.	0.	1.
80159 BED MATERIAL FALL DIAMETER, % FINER THAN .125MM	07/19/72-04/27/82	49	2.	2.735	20.	0.	13.282	3.644	0.	1.	3.	7.
80160 BED MATERIAL FALL DIAMETER, % FINER THAN .250MM	07/19/72-04/27/82	49	40.	39.694	69.	17.	162.175	12.735	20.	31.	48.	57.
80161 BED MATERIAL FALL DIAMETER, % FINER THAN .500MM	07/19/72-04/27/82	49	92.	87.816	99.	58.	97.486	9.874	73.	83.	94.	97.
80162 BED MATERIAL FALL DIAMETER, % FINER THAN 1.00MM	07/19/72-04/27/82	49	98.	96.694	100.	85.	14.092	3.754	91.	95.	100.	100.
80169 BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	07/19/72-04/27/82	35	99.	98.086	100.	93.	2.963	1.721	95.	97.	99.	100.
80170 BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	07/19/72-08/07/84	30	99.5	99.2	100.	95.	1.269	1.126	98.	99.	100.	100.
80171 BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	08/30/72-06/24/81	15	100.	99.4	100.	96.	1.114	1.056	97.8	99.	100.	100.

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Seasonal Analysis for Season #4: 7/15 to 11/19 - Station MNRR0086

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/71-08/24/94	168	22.	19.723	32.	0.5	61.038	7.813	6.95	16.	25.5	28.
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/20/73-08/24/94	71	21.	20.254	34.5	-2.	99.035	9.952	4.	14.5	28.5	31.5
00025 BAROMETRIC PRESSURE (MM OF HG)	11/03/82-08/24/94	37	723.	722.676	731.	711.	18.17	4.263	718.	719.5	726.	728.4
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/04/73-08/24/94	142	1100.	1181.81	4060.	482.	209904.964	458.154	742.	930.75	1395.	1670.
00070 TURBIDITY, (JACKSON CANDLE UNITS)	06/20/73-08/05/80	29	45.	56.379	230.	20.	1917.672	43.791	25.	30.	65.	100.
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/20/78-08/24/94	33	41.	49.77	150.	3.7	1022.651	31.979	17.8	26.	67.5	96.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/18/73-08/24/94	137	241.	244.737	283.	216.	256.592	16.018	226.	233.	255.5	268.2
00300 OXYGEN, DISSOLVED MG/L	06/20/73-08/24/94	136	8.35	8.743	14.	6.	2.766	1.663	6.9	7.725	9.375	11.29
00310 BOD, 5 DAY, 20 DEG C MG/L	04/18/73-08/05/80	28	3.9	3.739	7.1	0.4	3.131	1.769	0.89	2.325	5.3	6.
00340 COD, .25N K2CR2O7 MG/L	03/23/76-08/29/89	32	34.	55.781	460.	5.	6931.402	83.255	15.3	20.	58.	89.1

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Seasonal Analysis for Season #4: 7/15 to 11/19 - Station MNRR0086

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400 PH (STANDARD UNITS)	05/10/73-08/24/94	134	8.12	8.057	9.08	7.3	0.167	0.409	7.4	7.7	8.4	8.5
00400 CONVERTED PH (STANDARD UNITS)	05/10/73-08/24/94	134	8.12	7.869	9.08	7.3	0.203	0.45	7.4	7.7	8.4	8.5
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/10/73-08/24/94	134	0.008	0.014	0.05	0.001	0.	0.013	0.003	0.004	0.02	0.04
00403 PH, LAB, STANDARD UNITS SU	10/07/80-08/24/94	46	7.95	7.98	8.9	7.1	0.093	0.305	7.7	7.8	8.1	8.33
00403 CONVERTED PH, LAB, STANDARD UNITS	10/07/80-08/24/94	46	7.947	7.877	8.9	7.1	0.104	0.323	7.7	7.8	8.1	8.33
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/07/80-08/24/94	46	0.011	0.013	0.079	0.001	0.	0.012	0.005	0.008	0.016	0.02
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	05/10/73-11/13/90	30	110.	86.633	121.	0.	2377.826	48.763	0.	79.5	115.	120.
00452 CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	11/26/85-08/24/94	13	4.	6.308	16.	0.	44.731	6.688	0.	0.	13.5	15.2
00453 BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	11/26/85-08/24/94	13	116.	117.615	139.	95.	232.59	15.251	95.8	103.	132.5	137.4
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/23/82-08/29/89	29	148.	184.207	464.	36.	17088.17	130.722	46.	84.	253.5	423.
00600 NITROGEN, TOTAL (MG/L AS N)	10/04/73-03/22/83	28	1.3	1.55	4.8	0.51	1.108	1.053	0.69	0.933	1.7	2.91
00605 NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/18/73-02/11/87	34	0.88	1.129	4.7	0.4	0.724	0.851	0.605	0.668	1.15	1.85
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	03/23/76-08/24/94	28	0.03	0.043	0.17	0.	0.002	0.045	0.	0.013	0.058	0.124
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/73-11/04/92	72	0.04	0.059	0.24	0.	0.003	0.057	0.005	0.01	0.08	0.154
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	09/20/77-08/24/94	16##	0.005	0.007	0.03	0.005	0.	0.006	0.005	0.005	0.005	0.016
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	01/26/82-11/04/92	9	0.03	0.029	0.04	0.02	0.	0.009	0.02	0.02	0.04	0.04
00623 NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	03/23/76-08/19/91	14	0.31	0.386	0.88	0.14	0.06	0.244	0.14	0.203	0.518	0.85
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/73-08/24/94	73	0.97	1.179	4.9	0.3	0.661	0.813	0.6	0.735	1.35	1.86
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/04/73-11/04/92	62	0.345	0.452	1.2	0.	0.17	0.412	0.01	0.05	0.8	1.1
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/18/73-08/24/94	37	0.3	0.427	1.4	0.	0.198	0.445	0.022	0.04	0.85	1.12
00665 PHOSPHORUS, TOTAL (MG/L AS P)	04/18/73-08/24/94	75	0.21	0.264	1.4	0.03	0.044	0.21	0.116	0.15	0.3	0.448
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)	04/18/73-08/24/94	51	0.05	0.049	0.15	0.005	0.001	0.035	0.01	0.01	0.07	0.09
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/04/73-08/24/94	22	0.015	0.04	0.19	0.005	0.002	0.045	0.005	0.005	0.07	0.077
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	03/23/76-08/29/89	44	6.25	6.859	18.	2.4	10.93	3.306	3.35	4.1	9.25	11.
00900 HARDNESS, TOTAL (MG/L AS CACO3)	05/10/73-02/12/86	27	100.	103.074	120.	90.	46.148	6.793	95.8	99.	110.	110.
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/10/73-08/05/80	19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00915 CALCIUM, DISSOLVED (MG/L AS CA)	05/10/73-08/24/94	67	34.	34.119	39.	30.	4.773	2.185	31.8	32.	36.	37.
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	05/10/73-08/24/94	67	4.8	4.733	6.	3.6	0.296	0.544	3.98	4.3	5.1	5.5
00930 SODIUM, DISSOLVED (MG/L AS NA)	05/10/73-08/24/94	65	9.4	9.84	34.	6.	10.068	3.173	8.6	8.95	9.9	11.
00931 SODIUM ADSORPTION RATIO	05/10/73-02/12/86	24	0.4	0.404	0.5	0.4	0.	0.02	0.4	0.4	0.4	0.4
00932 SODIUM, PERCENT	05/10/73-02/12/86	24	16.	15.75	18.	14.	1.152	1.073	14.	15.	16.	17.5
00935 POTASSIUM, DISSOLVED (MG/L AS K)	05/10/73-08/24/94	43	6.5	6.372	8.1	4.6	0.862	0.928	5.	5.8	7.1	7.68
00940 CHLORIDE,TOTAL IN WATER MG/L	04/18/73-08/24/94	75	2.	2.127	5.	1.	0.338	0.582	2.	2.	2.	3.
00945 SULFATE, TOTAL (MG/L AS SO4)	05/10/73-08/24/94	69	14.	14.174	29.	1.	19.727	4.441	10.	12.	16.	19.
00950 FLUORIDE, DISSOLVED (MG/L AS F)	05/10/73-08/24/94	44	0.3	0.328	0.6	0.05	0.008	0.091	0.25	0.3	0.4	0.45
00955 SILICA, DISSOLVED (MG/L AS SIO2)	05/10/73-08/24/94	45	48.	47.711	59.	40.	16.619	4.077	41.6	46.	50.	52.
01000 ARSENIC, DISSOLVED (UG/L AS AS)	10/04/73-08/19/91	26	5.	7.423	26.	1.	42.574	6.525	4.	4.75	6.	23.2
01002 ARSENIC, TOTAL (UG/L AS AS)	03/23/76-08/22/89	16	8.	9.313	24.	5.	23.696	4.868	5.7	6.	12.	17.7
01005 BARIUM, DISSOLVED (UG/L AS BA)	10/04/73-08/24/94	24	89.5	101.625	300.	75.	2366.245	48.644	77.5	81.25	97.5	150.
01010 BERYLLIUM, DISSOLVED (UG/L AS BE)	11/03/82-08/19/91	14##	0.25	0.268	0.5	0.25	0.004	0.067	0.25	0.25	0.25	0.375
01020 BORON, DISSOLVED (UG/L AS B)	05/10/73-09/25/79	12	30.	29.167	40.	10.	99.242	9.962	10.	30.	37.5	40.
01025 CADMIUM, DISSOLVED (UG/L AS CD)	03/20/74-08/19/91	20##	0.5	0.775	2.	0.5	0.223	0.472	0.5	0.5	1.	1.9
01027 CADMIUM, TOTAL (UG/L AS CD)	03/23/76-08/22/89	16##	3.5	4.094	10.	0.	13.941	3.734	0.	0.5	7.5	8.25
01030 CHROMIUM, DISSOLVED (UG/L AS CR)	10/04/73-08/19/91	21##	1.	2.643	10.	0.	14.454	3.802	0.	0.5	3.5	10.
01034 CHROMIUM, TOTAL (UG/L AS CR)	03/23/76-08/22/89	15##	5.	7.8	20.	4.	17.314	4.161	4.6	5.	10.	14.
01035 COBALT, DISSOLVED (UG/L AS CO)	03/23/76-08/24/94	24##	1.5	1.375	1.5	0.	0.179	0.423	0.75	1.5	1.5	1.5
01040 COPPER, DISSOLVED (UG/L AS CU)	03/20/74-08/19/91	20	2.	2.65	5.	1.	1.818	1.348	1.	2.	4.	4.9
01042 COPPER, TOTAL (UG/L AS CU)	03/23/76-08/22/89	16	10.	11.	20.	3.	30.133	5.489	4.4	6.25	14.5	20.
01045 IRON, TOTAL (UG/L AS FE)	03/23/76-08/07/84	9	3600.	4155.556	8000.	1100.	5402777.778	2324.388	1100.	2550.	6200.	8000.
01046 IRON, DISSOLVED (UG/L AS FE)	05/10/73-08/24/94	34	20.	26.471	150.	5.	729.105	27.002	5.5	12.75	30.	60.
01049 LEAD, DISSOLVED (UG/L AS PB)	03/20/74-08/19/91	19##	0.5	1.947	16.	0.	12.775	3.574	0.	0.5	2.5	3.
01051 LEAD, TOTAL (UG/L AS PB)	03/23/76-08/22/89	15	10.	13.733	100.	2.	583.21	24.15	2.6	4.	10.	49.
01055 MANGANESE, TOTAL (UG/L AS MN)	03/23/76-08/07/84	9	270.	344.444	800.	130.	42277.778	205.616	130.	200.	455.	800.
01056 MANGANESE, DISSOLVED (UG/L AS MN)	05/10/73-08/24/94	34	5.	6.706	70.	1.	136.214	11.671	2.	3.	5.	12.
01060 MOLYBDENUM, DISSOLVED (UG/L AS MO)	10/04/73-08/24/94	20##	5.	4.8	5.	1.	0.8	0.894	5.	5.	5.	5.
01065 NICKEL, DISSOLVED (UG/L AS NI)	11/07/79-08/24/94	21	1.	1.238	5.	0.	1.49	1.221	0.1	0.5	2.	3.
01075 SILVER, DISSOLVED (UG/L AS AG)	03/20/74-08/24/94	25##	0.5	0.38	0.5	0.	0.047	0.218	0.	0.25	0.5	0.5
01077 SILVER, TOTAL (UG/L AS AG)	01/04/78-08/22/89	15##	0.5	0.433	1.	0.	0.067	0.258	0.	0.5	0.5	0.7
01080 STRONTIUM, DISSOLVED (UG/L AS SR)	10/04/73-08/24/94	20	190.	192.5	210.	170.	167.105	12.927	170.	190.	200.	210.

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Seasonal Analysis for Season #4: 7/15 to 11/19 - Station MNRR0086

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01085 VANADIUM, DISSOLVED (UG/L AS V)	10/04/73-08/24/94	20	9.5	8.3	14.	3.	17.484	4.181	3.	3.	11.	14.
01090 ZINC, DISSOLVED (UG/L AS ZN)	10/04/73-08/19/91	21	5.	6.595	30.	0.	50.14	7.081	0.3	1.5	9.	17.6
01092 ZINC, TOTAL (UG/L AS ZN)	03/23/76-08/22/89	16	30.	36.563	150.	10.	1085.729	32.95	13.5	16.25	40.	80.
01106 ALUMINUM, DISSOLVED (UG/L AS AL)	10/04/73-08/24/94	20	20.	21.75	60.	5.	221.776	14.892	5.	10.	30.	40.
01130 LITHIUM, DISSOLVED (UG/L AS LI)	10/04/73-08/24/94	20	13.	13.3	23.	5.	17.063	4.131	9.1	11.	14.	20.8
01145 SELENIUM, DISSOLVED (UG/L AS SE)	10/04/73-08/24/94	26	1.	1.077	6.	0.5	1.254	1.12	0.5	0.5	1.	1.6
01147 SELENIUM, TOTAL (UG/L AS SE)	03/23/76-08/22/89	16	2.	2.	8.	0.5	3.167	1.78	0.5	1.	2.	4.5
31625 FECAL COLIFORM, MF,M-FC, 0.7 UM	10/20/76-08/24/94	58	155.	527.793	8800.	2.	1770915.044	1330.757	37.3	77.	412.5	1120.
31625 LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/20/76-08/24/94	58	2.19	2.205	3.944	0.301	0.419	0.648	1.566	1.886	2.615	3.049
31625 GM FECAL COLIFORM, MF,M-FC, 0.7 UM		GEOMETRIC MEAN =		160.402								
31673 FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/26/77-08/24/94	58	400.	1317.517	21000.	42.	9493177.903	3081.1	109.	177.5	1075.	2170.
31673 LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/26/77-08/24/94	58	2.602	2.682	4.322	1.623	0.323	0.569	2.037	2.249	3.028	3.335
31673 GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		GEOMETRIC MEAN =		480.481								
39086 ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	11/26/85-08/24/94	13	108.	106.769	118.	95.	40.192	6.34	97.4	101.5	111.5	116.4
60050 ALGAE, TOTAL (CELLS/ML)	11/27/74-07/22/81	18	78500.	100138.889	400000.	4600.	10221942516.34	101103.623	8470.	19000.	150000.	229000.
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/18/73-08/24/94	50	188.5	189.36	212.	167.	128.235	11.324	174.3	180.75	199.25	205.9
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	05/10/73-02/12/86	22	187.5	186.182	197.	165.	61.489	7.842	177.3	179.	190.75	196.
70302 SOLIDS, DISSOLVED-TONS PER DAY	04/18/73-02/22/83	32	546.5	576.594	1210.	271.	53827.539	232.008	285.5	422.25	700.	966.4
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/18/73-02/22/83	32	0.25	0.257	0.29	0.23	0.	0.015	0.24	0.25	0.27	0.28
70331 SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	11/28/84-08/24/94	14	25.	28.071	62.	12.	179.456	13.396	13.5	18.5	36.	52.
70342 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	11/21/71-08/14/90	43	26.	29.651	86.	5.	292.328	17.098	11.4	21.	35.	51.8
70343 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	11/21/71-08/14/90	43	41.	44.349	90.	9.	343.899	18.545	20.8	34.	49.	78.
70344 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	11/21/71-08/14/90	43	83.	79.465	99.	47.	161.636	12.714	59.	76.	88.	93.2
70345 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	11/21/71-08/14/90	43	99.	97.674	100.	90.	7.891	2.809	92.4	97.	100.	100.
71886 PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/10/79-02/12/86	20	0.61	0.749	2.5	0.21	0.275	0.524	0.226	0.46	0.913	1.39
71887 NITROGEN, TOTAL, AS NO3 - MG/L	10/04/73-03/22/83	28	5.85	6.829	21.	2.3	21.104	4.594	3.1	4.125	7.625	12.9
71890 MERCURY, DISSOLVED (UG/L AS HG)	10/04/73-08/19/91	21##	0.05	0.112	0.6	0.	0.019	0.137	0.01	0.05	0.15	0.25
71900 MERCURY, TOTAL (UG/L AS HG)	03/20/74-08/22/89	16	0.1	0.403	2.6	0.	0.442	0.665	0.035	0.05	0.5	1.62
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/21/71-08/24/94	61	730.	910.508	3180.	171.	391281.487	625.525	247.6	404.5	1300.	1700.
80155 SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/21/71-07/21/82	41	2280.	2860.609	12500.	268.	7267748.515	2695.876	463.2	807.	3600.	6935.992
80158 BED MATERIAL FALL DIAMETER, % FINER THAN .062MM	07/19/72-04/27/82	29	0.	0.034	1.	0.	0.034	0.186	0.	0.	0.	0.
80159 BED MATERIAL FALL DIAMETER, % FINER THAN .125MM	07/19/72-04/27/82	52	1.	1.615	11.	0.	6.516	2.553	0.	0.	2.	3.7
80160 BED MATERIAL FALL DIAMETER, % FINER THAN .250MM	07/19/72-04/27/82	52	35.5	36.519	76.	16.	125.706	11.212	23.3	29.	44.75	49.4
80161 BED MATERIAL FALL DIAMETER, % FINER THAN .500MM	07/19/72-04/27/82	52	90.	89.115	98.	71.	37.516	6.125	81.	87.	93.	96.
80162 BED MATERIAL FALL DIAMETER, % FINER THAN 1.00MM	07/19/72-04/27/82	52	98.	97.192	100.	85.	6.59	2.567	94.3	96.25	99.	99.7
80169 BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	07/19/72-04/27/82	47	99.	98.447	100.	94.	1.861	1.364	97.	98.	99.	100.
80170 BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	07/19/72-08/07/84	41	100.	99.415	100.	96.	0.749	0.865	99.	99.	100.	100.
80171 BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	08/30/72-06/24/81	17	100.	99.824	100.	99.	0.154	0.393	99.	100.	100.	100.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: MNRR0087

NPS Station ID: MNRR0087
Location: STEELE CREEK
Station Type: /TYPA/AMBNT/STREAM/BIO
RMI-Indexes:
RMI-Miles:
HUC: 10150007
Major Basin:
Minor Basin:
RF1 Index: 10150007
RF3 Index: 10150007046000.00
Description:

LAT/LON: 42.747781/ -98.285281

Depth of Water: 0
Elevation: 0

RF1 Mile Point: 0.000
RF3 Mile Point: 0.10

Agency: 21NEB001
FIPS State/County: 31107 NEBRASKA/KNOX
STORET Station ID(s): NI2051
Within Park Boundary: No

Aquifer:
Water Body Id: NENI2-10800
ECO Region: 46G
Distance from RF1: 5.60
Distance from RF3: 0.02

Date Created: 05/07/88

On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: MNRR0087

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: MNRR0088

NPS Station ID: MNRR0088 LAT/LON: 42.734781/ -98.287365 Agency: 21NEB001 Date Created: 06/06/81
Location: STEELE CREEK W OF PISCHELVILLE FIPS State/County: 31107 NEBRASKA/KNOX
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): HQS002
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 10150007 Depth of Water: 0 Aquifer:
Major Basin: MISSOURI Elevation: 0 Water Body Id:
Minor Basin: NIOBRARA ECO Region:
RF1 Index: 10150007030 RF1 Mile Point: 1.760 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 10170101001802.22 RF3 Mile Point: 2.22 Distance from RF3: 0.13 On/Off RF3:
Description:
T32 N R8W SEC 18 AD KNOX COUNTY APPROXIMATELY 4.5 MILES W OF PISCHEL VILLE ON CO RD BR

Parameter Inventory for Station: MNRR0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		03/21/78-04/26/78	2	10.1	10.1	14.	6.2	30.42	5.515	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	01/18/78-02/28/78	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		03/21/78-04/26/78	2	262.5	262.5	275.	250.	312.5	17.678	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	03/21/78-04/26/78	2	10.65	10.65	11.6	9.7	1.805	1.344	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	03/21/78-04/26/78	2	4.3	4.3	6.5	2.1	9.68	3.111	**	**	**	**
00340 COD, .25N K2CR2O7	MG/L	03/21/78-04/26/78	2	59.	59.	91.	27.	2048.	45.255	**	**	**	**
00400 PH (STANDARD UNITS)		03/21/78-04/26/78	2	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		03/21/78-04/26/78	2	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/21/78-04/26/78	2	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		03/21/78-04/26/78	2	352.	352.	560.	144.	86528.	294.156	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		03/21/78-04/26/78	2	0.2	0.2	0.3	0.1	0.02	0.141	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		03/21/78-04/26/78	2	1.75	1.75	2.5	1.	1.125	1.061	**	**	**	**
00660 PHOSPHATE, ORTHO (MG/L AS PO4)		03/21/78-04/26/78	2	0.4	0.4	0.5	0.3	0.02	0.141	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		03/21/78-04/26/78	2	35.5	35.5	37.	34.	4.5	2.121	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		03/21/78-04/26/78	2	5.5	5.5	6.	5.	0.5	0.707	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		03/21/78-04/26/78	2	9.5	9.5	11.	8.	4.5	2.121	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	03/21/78-04/26/78	2	3.	3.	3.	3.	0.	0.	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		03/21/78-04/26/78	2	500.	500.	540.	460.	3200.	56.569	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		03/21/78-04/26/78	2	2.698	2.698	2.732	2.663	0.002	0.049	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =		498.397								
31679 FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H		03/21/78-04/26/78	2##	259.25	259.25	450.	68.5	72771.125	269.761	**	**	**	**
31679 LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,		03/21/78-04/26/78	2##	2.244	2.244	2.653	1.836	0.334	0.578	**	**	**	**
31679 GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4			GEOMETRIC MEAN =		175.57								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: MNRR0088

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00							2	0	0.00			
00400 PH	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
	Other-Lo Lim.	6.5	2	0	0.00							2	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: MNRR0088

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00							2	0	0.00			
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00							2	0	0.00			
	Drinking Water	250.	2	0	0.00							2	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	2	1.00							2	2	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: MNRR0089

NPS Station ID: MNRR0089
LAT/LON: 42.886670/ -98.326115
Agency: 21NEB001
Date Created: 04/22/89
Location: MISSOURI RIVER
FIPS State/County: 31015 NEBRASKA/BOYD
Station Type: /TYPA/AMBNT/STREAM/BIO
STORET Station ID(s): BOYD7
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 10170101
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id: NENI2-10000
Minor Basin:
ECO Region: 45G
RF1 Index: 10170101
RF1 Mile Point: 0.000
Distance from RF1: 7.00
On/Off RF1:
RF3 Index: 10170101139100.00
RF3 Mile Point: 0.00
Distance from RF3: 0.12
On/Off RF3:
Description:

Parameter Inventory for Station: MNRR0089

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: MNRR0090

NPS Station ID: MNRR0090 LAT/LON: 42.930005/ -98.335004 Agency: 21SDAK01 Date Created: 02/12/79
Location: SONG HAWK LAKE T94N R63W SECTION 20 FIPS State/County: 46023 SOUTH DAKOTA/CHARLES MIX
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 46CM11
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 10170101 Depth of Water: 0 Aquifer:
Major Basin: MISSOURI Elevation: 0 Water Body Id:
Minor Basin: SOUTH CENTRAL MISSOURI ECO Region:
RF1 Index: 10170101 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 10140101003301.99 RF3 Mile Point: 2.25 Distance from RF3: 0.03 On/Off RF3:
Description:

Parameter Inventory for Station: MNRR0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		12/19/78-06/19/79	2	11.95	11.95	22.2	1.7	210.125	14.496	**	**	**	**
00011 TEMPERATURE, WATER (DEGREES FAHRENHEIT)		12/19/78-06/19/79	2	53.5	53.5	72.	35.	684.5	26.163	**	**	**	**
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		12/19/78-06/19/79	2	16.65	16.65	33.9	-0.6	595.125	24.395	**	**	**	**
00021 TEMPERATURE, AIR (DEGREES FAHRENHEIT)		12/19/78-06/19/79	2	62.	62.	93.	31.	1922.	43.841	**	**	**	**
00060 FLOW, STREAM, MEAN DAILY	CFS	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		12/19/78-06/19/79	2	1435.	1435.	1460.	1410.	1250.	35.355	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	12/19/78-06/19/79	2	8.35	8.35	10.3	6.4	7.605	2.758	**	**	**	**
00400 PH (STANDARD UNITS)		06/19/79-06/19/79	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		06/19/79-06/19/79	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		06/19/79-06/19/79	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	12/19/78-06/19/79	2	8.1	8.1	8.5	7.7	0.32	0.566	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		12/19/78-06/19/79	2	7.937	7.937	8.5	7.7	0.373	0.611	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		12/19/78-06/19/79	2	0.012	0.012	0.02	0.003	0.	0.012	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		12/19/78-06/19/79	2	132.	132.	155.	109.	1058.	32.527	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)		12/19/78-06/19/79	2	1287.5	1287.5	1379.	1196.	16744.5	129.401	**	**	**	**
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		12/19/78-06/19/79	2	1228.	1228.	1304.	1152.	11552.	107.48	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		12/19/78-06/19/79	2	59.5	59.5	75.	44.	480.5	21.92	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		12/19/78-06/19/79	2	0.4	0.4	0.65	0.15	0.125	0.354	**	**	**	**
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)		12/19/78-06/19/79	2##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		12/19/78-06/19/79	2	2.29	2.29	3.47	1.11	2.785	1.669	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		12/19/78-06/19/79	2##	0.075	0.075	0.1	0.05	0.001	0.035	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	12/19/78-06/19/79	2	22.	22.	23.	21.	2.	1.414	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		12/19/78-06/19/79	2	730.	730.	740.	720.	200.	14.142	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		12/19/78-06/19/79	2##	7.25	7.25	13.	1.5	66.125	8.132	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		12/19/78-06/19/79	2##	0.645	0.645	1.114	0.176	0.44	0.663	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =		4.416								
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		12/19/78-06/19/79	2	0.018	0.018	0.025	0.011	0.	0.01	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: MNRR0090

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00	1	0	0.00				1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: MNRR0090

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
00400 PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
	Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00403 PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
	Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
00613 NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00	1	0	0.00				1	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00	1	0	0.00				1	0	0.00			
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00				1	0	0.00			
	Drinking Water	250.	2	0	0.00	1	0	0.00				1	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	2	1.00	1	1	1.00				1	1	1.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	0	0.00	1	0	0.00				1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: MNRR0091

NPS Station ID: MNRR0091
Location: MISSOURI RIVER
Station Type: /TYPA/AMBNT/STREAM/BIO
RMI-Indexes:
RMI-Miles:
HUC: 10170101
Major Basin:
Minor Basin:
RF1 Index: 10170101
RF3 Index: 10150001006102.75
Description:

LAT/LON: 42.891670/ -98.350003
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 8.59

Agency: 21NEB001
FIPS State/County: 31015 NEBRASKA/BOYD
STORET Station ID(s): BOYD6
Within Park Boundary: Yes
Aquifer:
Water Body Id: NENI2-10000
ECO Region: 45G
Distance from RF1: 26.10
Distance from RF3: 0.03

Date Created: 04/22/89
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: MNRR0091

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: MNRR0092

NPS Station ID: MNRR0092
LAT/LON: 42.912504/ -98.373615
Agency: 21NEB001
Date Created: 04/22/89
Location: MISSOURI RIVER
FIPS State/County: 31015 NEBRASKA/BOYD
Station Type: /TYPA/AMBNT/STREAM/BIO
STORET Station ID(s): BOYD4
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 10170101
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id: NENI2-10000
Minor Basin:
ECO Region: 45G
RF1 Index: 10170101
RF1 Mile Point: 0.000
Distance from RF1: 0.20
On/Off RF1:
RF3 Index: 10170101005600.42
RF3 Mile Point: 7.97
Distance from RF3: 0.15
On/Off RF3:
Description:

Parameter Inventory for Station: MNRR0092

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: MNRR0093

NPS Station ID: MNRR0093
Location: NIOBRARA RIVER
Station Type: /TYPA/AMBNT/STREAM/BIO
RMI-Indexes:
RMI-Miles:
HUC: 10170101
Major Basin:
Minor Basin:
RF1 Index: 10170101
RF3 Index: 10170203001300.00
Description:

LAT/LON: 42.916670/ -98.375005
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 6.56

Agency: 21NEB001
FIPS State/County: 31015 NEBRASKA/BOYD
STORET Station ID(s): NI1866
Within Park Boundary: Yes
Aquifer:
Water Body Id: NENI1-10000
ECO Region: 45G
Distance from RF1: 0.00
Distance from RF3: 0.09

Date Created: 08/10/96
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: MNRR0093

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: MNRR0094

NPS Station ID: MNRR0094
LAT/LON: 42.918892/ -98.390560
Agency: 21NEB001
Date Created: 04/22/89
Location: MISSOURI RIVER
FIPS State/County: 31015 NEBRASKA/BOYD
Station Type: /TYPA/AMBNT/STREAM/BIO
STORET Station ID(s): BOYD3
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 10170101
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id: NENI2-10000
Minor Basin:
ECO Region: 45G
RF1 Index: 10170101
RF1 Mile Point: 0.000
Distance from RF1: 3.20
On/Off RF1:
RF3 Index: 10170101026200.00
RF3 Mile Point: 1.38
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: MNRR0094

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: MNRR0095

NPS Station ID: MNRR0095 LAT/LON: 42.891670/ -98.406949 Agency: 1117MBR Date Created: 01/07/89
Location: MISSOURI RIVER NNE OF LYNCH, NEBRASKA. FIPS State/County: 31015 NEBRASKA/BOYD
Station Type: /TYPA/AMBNT/FISH/STREAM STORET Station ID(s): 007396
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 10170101 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 10170101 RF1 Mile Point: 0.000 Distance from RF1: 0.60 On/Off RF1:
RF3 Index: 10150001000326.22 RF3 Mile Point: 27.60 Distance from RF3: 0.04 On/Off RF3:
Description:

Parameter Inventory for Station: MNRR0095

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023 SAMPLE WEIGHT IN POUNDS	09/10/91-09/10/91	5	0.5	0.788	1.88	0.44	0.377	0.614	**	**	**	**
00024 SAMPLE LENGTH IN INCHES	09/10/91-09/10/91	5	13.	13.76	18.5	11.6	7.703	2.775	**	**	**	**
01004 ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	09/10/91-09/10/91	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01069 NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	09/10/91-09/10/91	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34258 B-BHC-BETA WET WGTTISMG/KG	07/26/88-09/10/91	4##	0.003	0.002	0.003	0.001	0.	0.001	**	**	**	**
34263 DELTA BENZENE HEXACHLORIDE WET WGTTISMG/KG	07/26/88-07/26/88	3##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34355 ENDOSULFAN SULFATE WET WGTTISMG/KG	07/26/88-07/26/88	3##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
34360 ENDOSULFAN, BETA WET WGTTISMG/KG	07/26/88-07/26/88	3##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34365 ENDOSULFAN, ALPHA WET WGTTISMG/KG	07/26/88-09/10/91	4##	0.003	0.003	0.003	0.001	0.	0.001	**	**	**	**
34370 ENDRIN ALDEHYDE WET WGTTISMG/KG	07/26/88-07/26/88	3##	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
34664 PCB - 1221 WET WGTTISMG/KG	09/10/91-09/10/91	1##	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
34669 PCB - 1248 WET WGTTISMG/KG	07/26/88-07/26/88	3##	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
34670 PCB - 1260 WET WGTTISMG/KG	07/26/88-09/10/91	4##	0.02	0.016	0.02	0.005	0.	0.008	**	**	**	**
34680 ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	07/26/88-09/10/91	4##	0.004	0.003	0.004	0.	0.	0.002	**	**	**	**
34682 CHLORDANE(TECH MIX & METABS).TISSUEWET WGTT.MG/KG	07/26/88-09/10/91	4##	0.03	0.026	0.03	0.014	0.	0.008	**	**	**	**
34685 ENDRIN WET WGTTISMG/KG	07/26/88-09/10/91	4##	0.005	0.004	0.005	0.002	0.	0.002	**	**	**	**
34686 HEPTACHLOR EPOXIDE WET WGTTISMG/KG	07/26/88-09/10/91	4##	0.002	0.001	0.002	0.	0.	0.001	**	**	**	**
34687 HEPTACHLOR WET WGTTISMG/KG	07/26/88-09/10/91	4##	0.002	0.002	0.002	0.001	0.	0.001	**	**	**	**
34688 HEXACHLOROBENZENE WET WGTTISMG/KG	09/10/91-09/10/91	1##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
34689 PCB - 1242 WET WGTTISMG/KG	07/26/88-07/26/88	3##	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
34690 PCB - 1254 WET WGTTISMG/KG	07/26/88-09/10/91	3##	0.08	0.063	0.1	0.01	0.002	0.047	**	**	**	**
34691 TOXAPHENE WET WGTTISMG/KG	07/26/88-09/10/91	4##	0.75	0.575	0.75	0.05	0.123	0.35	**	**	**	**
39063 CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	07/26/88-09/10/91	4##	0.002	0.002	0.002	0.001	0.	0.001	**	**	**	**
39066 CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	07/26/88-09/10/91	4##	0.002	0.002	0.002	0.001	0.	0.001	**	**	**	**
39069 CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	07/26/88-09/10/91	4##	0.002	0.002	0.002	0.001	0.	0.001	**	**	**	**
39072 CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	07/26/88-09/10/91	4##	0.002	0.007	0.02	0.002	0.	0.009	**	**	**	**
39074 BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	07/26/88-09/10/91	4##	0.002	0.002	0.004	0.002	0.	0.001	**	**	**	**
39105 PERCENT FAT HEXANE EXTRACTION	07/26/88-09/10/91	4	5.15	4.975	7.3	2.3	4.289	2.071	**	**	**	**
39302 P P DDT IN TISSUE WET WGT (UG/G)	07/26/88-09/10/91	4##	0.01	0.008	0.01	0.001	0.	0.005	**	**	**	**
39307 O P DDT IN TISSUE WET WGT (UG/G)	07/26/88-07/26/88	3##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39312 P P DDD IN TISSUE WET WGT (UG/G)	07/26/88-09/10/91	4##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39322 P,P'-DDE IN TISSUE WET WGT MG/KG	07/26/88-09/10/91	4	0.009	0.01	0.02	0.003	0.	0.007	**	**	**	**
39325 O,P DDD IN TISSUE WET WGT (UG/G)	07/26/88-07/26/88	3##	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
39329 O,P DDE IN TISSUE, WET WGT(UG/G)	07/26/88-07/26/88	3##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
39346 METOLACHLOR IN TISSUES WETWTMG/KG	07/26/88-07/26/88	3##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39404 DIELDRIN IN TISSUE WET WGT (UG/G)	07/26/88-09/10/91	4##	0.005	0.004	0.005	0.001	0.	0.002	**	**	**	**
39785 GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	07/26/88-09/10/91	4##	0.002	0.002	0.002	0.001	0.	0.001	**	**	**	**
71930 MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/10/91-09/10/91	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: MNRR0095

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/10/91-09/10/91	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/10/91-09/10/91	1	0.32	0.32	0.32	0.32	0.	0.	**	**	**	**
71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/10/91-09/10/91	1	4.22	4.22	4.22	4.22	0.	0.	**	**	**	**
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	09/10/91-09/10/91	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/10/91-09/10/91	1##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
78211	ENDRIN KETONE IN FISH TISSUE WETWTMG/KG	07/26/88-07/26/88	3##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
78457	CHLORDENE, ALPHA-, FISH TISSUE, WET WEIGHT, MG/KG	09/10/91-09/10/91	1##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
78458	CHLORDENE, BETA-, FISH TISSUE, WET WEIGHT, MG/KG	09/10/91-09/10/91	1##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
78459	CHLORDENE, GAMMA-, FISH TISSUE, WET WEIGHT, MG/KG	09/10/91-09/10/91	1##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
79006	CHLORDENE IN FISH UG/KG	09/10/91-09/10/91	1##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
80886	CYANAZINE (BLADEX), TISSUE, WET WEIGHT MG/KG	07/26/88-07/26/88	3##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	07/26/88-09/10/91	4	3.	3.5	5.	3.	1.	1.	**	**	**	**
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	07/26/88-09/10/91	4	1.	1.	1.	1.	0.	0.	**	**	**	**
81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	07/26/88-07/26/88	3##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
81652	TREFLAN IN FISH TISSUE WET WEIGHT MG/KG	07/26/88-09/10/91	4##	0.005	0.004	0.005	0.003	0.	0.001	**	**	**	**
81658	BARIUM IN FISH TISSUE WET WEIGHT MG/KG	09/10/91-09/10/91	1	0.052	0.052	0.052	0.052	0.	0.	**	**	**	**
81659	COBALT IN FISH TISSUE WET WEIGHT MG/KG	09/10/91-09/10/91	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81662	MOLYBDENUM IN FISH TISSUE WET WEIGHT MG/KG	09/10/91-09/10/91	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81665	VANADIUM IN FISH TISSUE WET WEIGHT MG/KG	09/10/91-09/10/91	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81823	PENTACHLOROANISOLE(PCA)INFISH TISSUE WET WGT MG/KG	09/10/91-09/10/91	1	0.	0.	0.	0.	0.	0.	**	**	**	**
82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	07/26/88-09/10/91	4##	0.002	0.002	0.002	0.001	0.	0.001	**	**	**	**
82404	ATRAZINE IN FISH TISSUE WET WEIGHT MG/KG	07/26/88-07/26/88	3##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
82571	ALACHLOR(LASSO) IN TISSUE MG/KG	07/26/88-09/10/91	4##	0.013	0.011	0.013	0.007	0.	0.003	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: MNRR0096

NPS Station ID: MNRR0096 LAT/LON: 42.883059/ -98.410004 Agency: 112WRD Date Created: / /
Location: MICANEK FARM POND NEAR LYNCH, NEBR. FIPS State/County: 31015 NEBRASKA/BOYD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 06453570
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 10150001 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 10150001 RF1 Mile Point: 0.000 Distance from RF1: 18.90 On/Off RF1:
RF3 Index: 10170101006121.46 RF3 Mile Point: 25.35 Distance from RF3: 0.39 On/Off RF3:
Description:

Parameter Inventory for Station: MNRR0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/29/70-10/29/70	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00060 FLOW, STREAM, MEAN DAILY	CFS	10/29/70-10/29/70	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/29/70-10/29/70	1	1300.	1300.	1300.	1300.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)		10/29/70-10/29/70	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		10/29/70-10/29/70	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/29/70-10/29/70	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		10/29/70-10/29/70	1	82.	82.	82.	82.	0.	0.	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)		10/29/70-10/29/70	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00445 CARBONATE ION (MG/L AS CO3)		10/29/70-10/29/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)		10/29/70-10/29/70	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		10/29/70-10/29/70	1	720.	720.	720.	720.	0.	0.	**	**	**	**
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)		10/29/70-10/29/70	1	640.	640.	640.	640.	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		10/29/70-10/29/70	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00931 SODIUM ADSORPTION RATIO		10/29/70-10/29/70	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00932 SODIUM, PERCENT		10/29/70-10/29/70	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	10/29/70-10/29/70	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		10/29/70-10/29/70	1	660.	660.	660.	660.	0.	0.	**	**	**	**
01145 SELENIUM, DISSOLVED (UG/L AS SE)		10/29/70-10/29/70	1	8.	8.	8.	8.	0.	0.	**	**	**	**
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)		10/29/70-10/29/70	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: MNRR0096

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
00400 PH	Fresh Chronic	9.	1	0	0.00										1	0	0.00
	Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
00618 NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00										1	0	0.00
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
	Drinking Water	250.	1	0	0.00										1	0	0.00
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	1	1.00										1	1	1.00
01145 SELENIUM, DISSOLVED	Fresh Acute	20.	1	0	0.00										1	0	0.00
	Drinking Water	50.	1	0	0.00										1	0	0.00
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: MNRR0097

NPS Station ID: MNRR0097
LAT/LON: 42.883337/ -98.410281
Agency: 21NEB001
Date Created: 04/22/89
Location: FARM POND
FIPS State/County: 31015 NEBRASKA/BOYD
Station Type: /TYPA/AMBNT/STREAM/BIO
STORET Station ID(s): BOYD5
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 10170101
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id: NENI2-10000
Minor Basin:
ECO Region: 45G
RF1 Index: 10170101
RF1 Mile Point: 0.000
Distance from RF1: 0.60
On/Off RF1:
RF3 Index: 10170101026600.00
RF3 Mile Point: 5.68
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: MNRR0097

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: MNRR0098

NPS Station ID: MNRR0098
Location: MISSOURI RIVER
Station Type: /TYPA/AMBNT/STREAM/BIO
RMI-Indexes:
RMI-Miles:
HUC: 10170101
Major Basin:
Minor Basin:
RF1 Index: 10170101
RF3 Index: 10170101005600.42
Description:

LAT/LON: 42.924171/ -98.415559
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 2.55

Agency: 21NEB001
FIPS State/County: 31015 NEBRASKA/BOYD
STORET Station ID(s): BOYD2
Within Park Boundary: Yes
Aquifer:
Water Body Id: NENI2-10000
ECO Region: 45G
Distance from RF1: 2.70
Distance from RF3: 0.06

Date Created: 04/22/89
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: MNRR0098

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: MNRR0099

NPS Station ID: MNRR0099 LAT/LON: 42.935559/ -98.421670 Agency: 112WRD Date Created: 02/15/78
Location: 94N64W28BBAD MISSOURI RIVER FIPS State/County: 46023 SOUTH DAKOTA/CHARLES MIX
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 425608098251801
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 10170101 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 10170101 RF1 Mile Point: 0.000 Distance from RF1: 0.70 On/Off RF1:
RF3 Index: 10170101003900.00 RF3 Mile Point: 1.65 Distance from RF3: 0.04 On/Off RF3:
Description:

Parameter Inventory for Station: MNRR0099

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/69-09/12/69	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/69-09/12/69	1	755.	755.	755.	755.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	09/12/69-09/12/69	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	09/12/69-09/12/69	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/69-09/12/69	1	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
00405 CARBON DIOXIDE (MG/L AS CO2)	09/12/69-09/12/69	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	09/12/69-09/12/69	1	95.	95.	95.	95.	0.	0.	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)	09/12/69-09/12/69	1	116.	116.	116.	116.	0.	0.	**	**	**	**
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	09/12/69-09/12/69	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	09/12/69-09/12/69	1	280.	280.	280.	280.	0.	0.	**	**	**	**
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/12/69-09/12/69	1	190.	190.	190.	190.	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)	09/12/69-09/12/69	1	57.	57.	57.	57.	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)	09/12/69-09/12/69	1	59.	59.	59.	59.	0.	0.	**	**	**	**
00931 SODIUM ADSORPTION RATIO	09/12/69-09/12/69	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00932 SODIUM, PERCENT	09/12/69-09/12/69	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)	09/12/69-09/12/69	1	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	09/12/69-09/12/69	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	09/12/69-09/12/69	1	1800.	1800.	1800.	1800.	0.	0.	**	**	**	**
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/12/69-09/12/69	1	609.	609.	609.	609.	0.	0.	**	**	**	**
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/12/69-09/12/69	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71885 IRON (UG/L AS FE)	09/12/69-09/12/69	1	20.	20.	20.	20.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: MNRR0099

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
00400 PH	Fresh Chronic	9.	1	0	0.00										1	0	0.00
	Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
00618 NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00										1	0	0.00
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
	Drinking Water	250.	1	0	0.00										1	0	0.00
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	1	1.00										1	1	1.00
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: MNRR0100

NPS Station ID: MNRR0100
Location: MISSOURI RIVER
Station Type: /TYPA/AMBNT/STREAM/BIO
RMI-Indexes:
RMI-Miles:
HUC: 10170101
Major Basin:
Minor Basin:
RF1 Index: 10170101
RF3 Index: 10150001007600.00
Description:

LAT/LON: 42.929448/ -98.435005
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 0.10

Agency: 21NEB001
FIPS State/County: 31015 NEBRASKA/BOYD
STORET Station ID(s): BOYD1
Within Park Boundary: Yes
Aquifer:
Water Body Id: NENI2-10000
ECO Region: 45G
Distance from RF1: 2.40
Distance from RF3: 0.03

Date Created: 04/22/89
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: MNRR0100

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: MNRR0101

NPS Station ID: MNRR0101
LAT/LON: 42.926392/ -98.439727
Agency: 21NEB001
Date Created: 04/22/89
Location: MISSOURI RIVER
FIPS State/County: 31015 NEBRASKA/BOYD
Station Type: /TYPA/AMBNT/STREAM/BIO
STORET Station ID(s): BOYD1A
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 10170101
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id: NENI2-10000
Minor Basin:
ECO Region: 45G
RF1 Index: 10170101
RF1 Mile Point: 0.000
Distance from RF1: 0.60
On/Off RF1:
RF3 Index: 10170101005600.00
RF3 Mile Point: 0.00
Distance from RF3: 0.10
On/Off RF3:
Description:

Parameter Inventory for Station: MNRR0101

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: MNRR0102

NPS Station ID: MNRR0102 LAT/LON: 43.054726/ -98.543337 Agency: 112WRD Date Created: 02/15/78
Location: 95N65W 9CDB MISSOURI RIVER FIPS State/County: 46023 SOUTH DAKOTA/CHARLES MIX
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 430317098323601
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 10170101 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 10170101058 RF1 Mile Point: 4.770 Distance from RF1: 3.50 On/Off RF1: ON
RF3 Index: 10170101005600.00 RF3 Mile Point: 0.00 Distance from RF3: 0.22 On/Off RF3:
Description:

Parameter Inventory for Station: MNRR0102

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: MNRR0103

NPS Station ID: MNRR0103 LAT/LON: 43.066670/ -98.550004 Agency: 121MBRCE Date Created: / /
Location: LAKE FRANCIS CASE RELEASES FIPS State/County: 46053 SOUTH DAKOTA/GREGORY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 460001
RMI-Indexes: 1021500 009490 Within Park Boundary: Yes
RMI-Miles: 1149.40 0880.00
HUC: 10170101 Depth of Water: 0 Aquifer:
Major Basin: MISSOURI RIVER Elevation: 0 Water Body Id:
Minor Basin: CENTRAL MISSOURI ECO Region:
RF1 Index: 10170101 RF1 Mile Point: 0.000 Distance from RF1: 10.80 On/Off RF1:
RF3 Index: 10170101057800.00 RF3 Mile Point: 0.00 Distance from RF3: 0.36 On/Off RF3:
Description:
MO R POWERHOUSE OUTFLOW @ FT RANDALL 1 MI UPSTRM FROM FT RANDALL CR @ PICKSTOWN US HWY 281 COE S S NO FTR-1 USGS 6-4525 4304000 09833000

Parameter Inventory for Station: MNRR0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		05/20/70-08/26/97	116	17.	15.072	30.	0.	66.082	8.129	1.85	9.	21.375	25.
00011 TEMPERATURE, WATER (DEGREES FAHRENHEIT)		05/04/65-12/31/75	2330	48.	50.797	78.	32.2	221.673	14.889	34.5	36.3	64.6	73.5
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		07/13/70-08/26/97	108	22.	20.305	38.	-11.	87.099	9.333	7.35	16.125	28.	31.14
00025 BAROMETRIC PRESSURE (MM OF HG)		01/26/81-01/26/81	1	729.	729.	729.	729.	0.	0.	**	**	**	**
00032 CLOUD COVER (PERCENT)		04/08/76-08/26/97	73	30.	44.795	100.	0.	1775.054	42.131	0.	1.	100.	100.
00035 WIND VELOCITY (MILES PER HOUR)		10/26/76-07/14/97	67	5.	8.679	28.	0.	38.187	6.18	3.	5.	12.	18.4
00060 FLOW, STREAM, MEAN DAILY	CFS	04/08/76-10/23/78	18	40150.	39738.889	52500.	26400.	49502516.34	7035.802	29640.	34600.	42100.	51420.
00061 FLOW, STREAM, INSTANTANEOUS	CFS	01/30/80-07/27/81	3	700.	580.	900.	140.	155200.	393.954	**	**	**	**
00062 ELEVATION, RESERVOIR SURFACE WATER IN FEET		01/30/80-07/27/81	3	1345.9	1348.3	1354.1	1344.9	25.48	5.048	**	**	**	**
00065 STAGE, STREAM (FEET)		04/22/70-07/27/81	64	1236.5	1218.8	1328.	236.7	15999.457	126.489	1232.	1234.	1238.	1238.05
00068 DEPTH, MAXIMUM, OF SAMPLE (FEET)		03/14/72-12/02/75	36	1.	3.747	99.9	1.	271.7	16.483	1.	1.	1.	1.
00075 TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)		05/08/68-11/05/69	13	3.	6.277	34.	0.4	78.575	8.864	0.48	1.05	8.	24.
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		03/14/72-08/26/97	72	3.	7.049	240.	0.	789.681	28.101	0.65	2.	5.	8.
00078 TRANSPARENCY, SECCHI DISC (METERS)		07/15/91-08/20/91	2	3.5	3.5	4.	3.	0.5	0.707	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)		05/26/76-07/14/97	26	10.	10.038	25.	0.	29.478	5.429	5.	5.	15.	15.6
00090 OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)		06/24/92-06/24/92	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		12/14/69-08/26/97	79	715.	709.759	890.	275.	11529.826	107.377	600.	660.	777.	840.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/04/65-12/31/75	2404	764.	769.188	1775.	445.	3932.243	62.708	701.	724.	805.	841.5
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-08/26/97	2409	10.6	10.599	15.8	1.	6.3	2.51	7.9	8.8	12.8	13.5
00300 OXYGEN, DISSOLVED	MG/L	07/13/70-12/02/75	47	9.6	10.183	14.	6.8	4.074	2.018	7.92	8.4	12.	13.2
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION	%	01/01/75-12/31/75	365	92.4	92.032	106.3	79.	25.458	5.046	85.4	88.4	95.1	98.1
00335 COD, .025N K2CR2O7	MG/L	04/08/76-10/24/79	26	7.5	8.304	24.	0.	22.28	4.72	3.7	5.75	10.	13.8
00400p PH (STANDARD UNITS)		05/08/68-08/26/97	142	8.1	8.192	9.2	6.5	0.167	0.409	7.8	8.	8.4	8.7
00400p CONVERTED PH (STANDARD UNITS)		05/08/68-08/26/97	142	8.1	7.948	9.2	6.5	0.227	0.476	7.8	8.	8.4	8.7
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/08/68-08/26/97	142	0.008	0.011	0.316	0.001	0.001	0.027	0.002	0.004	0.01	0.016
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	126	161.	161.23	222.	133.	177.235	13.313	146.	153.	167.25	175.3
00500 RESIDUE, TOTAL (MG/L)		05/07/74-05/07/74	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		05/08/68-07/14/97	61	512.	467.23	614.	2.	27783.68	166.684	27.2	488.	538.5	576.4
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		10/23/78-07/14/97	33	5.	34.091	490.	0.	13140.335	114.631	1.	2.	8.5	17.6
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)		05/19/77-05/19/77	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		03/14/72-08/26/97	83	0.01	0.032	0.37	0.	0.003	0.05	0.	0.01	0.04	0.08
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		04/27/78-07/14/97	32	0.005	0.007	0.06	0.	0.	0.013	0.	0.	0.005	0.02
00619 AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4)	(MG/L)	02/23/87-08/26/97	48##	0.005	0.005	0.01	0.005	0.	0.001	0.005	0.005	0.005	0.005
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		05/08/68-08/26/97	113	0.11	0.127	0.68	0.	0.01	0.102	0.014	0.06	0.185	0.236
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		10/27/77-08/26/97	50	0.3	0.338	0.95	0.05	0.038	0.194	0.109	0.2	0.4	0.6
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		04/14/71-11/16/71	8	0.16	0.166	0.21	0.12	0.001	0.032	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: MNRR0103

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00650 PHOSPHATE, TOTAL (MG/L AS PO4)	03/14/72-02/10/76	22	0.02	0.03	0.22	0.	0.002	0.048	0.	0.	0.033	0.078
00660 PHOSPHATE, ORTHO (MG/L AS PO4)	05/01/69-09/25/73	22	0.003	0.011	0.06	0.	0.	0.018	0.	0.	0.01	0.054
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/08/68-08/26/97	63	0.03	0.046	0.2	0.	0.002	0.048	0.005	0.02	0.05	0.136
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)	05/01/69-10/24/79	13	0.02	0.023	0.06	0.	0.	0.018	0.002	0.01	0.035	0.056
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/14/72-10/24/79	35	0.001	0.003	0.01	0.	0.	0.004	0.	0.	0.005	0.01
00720 CYANIDE, TOTAL (MG/L AS CN) MG/L	01/30/80-10/11/95	17##	0.005	0.004	0.005	0.	0.	0.002	0.	0.003	0.005	0.005
00900 HARDNESS, TOTAL (MG/L AS CACO3)	05/08/68-08/26/97	125	242.	250.312	371.	206.	612.862	24.756	228.	234.5	269.5	286.
00901 HARDNESS, CARBONATE (MG/L AS CACO3)	05/01/69-11/05/69	8	160.	162.5	198.	143.	258.286	16.071	**	**	**	**
00910 CALCIUM (MG/L AS CACO3)	03/14/72-12/02/75	22	60.	59.818	64.	56.	3.299	1.816	57.3	59.	61.	62.
00916 CALCIUM, TOTAL (MG/L AS CA)	06/25/87-08/26/97	21	68.	66.095	84.	49.	89.79	9.476	51.6	57.	74.	75.8
00920 MAGNESIUM (MG/L AS CACO3)	01/14/72-12/02/75	23	22.	21.957	24.	20.	1.316	1.147	20.4	21.	23.	24.
00927 MAGNESIUM, TOTAL (MG/L AS MG)	02/10/76-08/26/97	22	24.	25.727	68.	16.	95.922	9.794	20.6	22.75	26.	28.4
00929 SODIUM, TOTAL (MG/L AS NA)	02/10/76-08/26/97	22	76.5	76.182	92.	53.	96.346	9.816	63.2	70.75	85.	91.
00930 SODIUM, DISSOLVED (MG/L AS NA)	05/01/69-12/02/75	42	69.	68.071	78.	58.	21.434	4.63	60.6	65.	71.	73.7
00931 SODIUM ADSORPTION RATIO	06/25/87-08/26/97	20	2.	2.005	2.1	2.	0.001	0.022	2.	2.	2.	2.
00935 POTASSIUM, DISSOLVED (MG/L AS K)	01/14/72-12/02/75	23	4.5	5.613	23.	2.1	16.757	4.093	2.98	4.1	5.4	8.58
00937 POTASSIUM, TOTAL MG/L AS K)	02/10/76-08/26/97	22	6.	5.864	8.	4.	1.171	1.082	5.	5.	6.	8.
00940 CHLORIDE,TOTAL IN WATER MG/L	05/08/68-06/11/97	89	10.	9.794	18.	0.7	6.588	2.567	7.	9.	11.	12.
00945 SULFATE, TOTAL (MG/L AS SO4)	05/08/68-07/14/97	100	213.	216.78	316.	100.	1087.143	32.972	182.3	200.	234.25	254.5
01002 ARSENIC, TOTAL (UG/L AS AS)	04/08/76-06/11/97	26	1.	1.719	4.	0.7	0.866	0.93	1.	1.	2.25	3.
01007 BARIUM, TOTAL (UG/L AS BA)	04/08/76-06/11/97	27	36.	35.815	60.	20.	76.234	8.731	23.2	30.	43.	48.4
01012 BERYLLIUM, TOTAL (UG/L AS BE)	04/08/76-06/11/97	46	0.5	0.5	1.	0.	0.256	0.506	0.	0.	1.	1.
01022 BORON, TOTAL (UG/L AS B)	04/08/76-06/11/97	37	156.	163.384	260.	0.2	2618.816	51.174	117.	135.5	201.5	242.
01027 CADMIUM, TOTAL (UG/L AS CD)	06/25/87-06/11/97	22	0.3	0.577	3.	0.1	0.671	0.819	0.1	0.1	0.55	2.4
01034 CHROMIUM, TOTAL (UG/L AS CR)	06/25/87-06/11/97	22##	2.5	2.409	2.5	0.5	0.182	0.426	2.5	2.5	2.5	2.5
01042 COPPER, TOTAL (UG/L AS CU)	06/25/87-06/11/97	21##	2.5	3.405	17.	2.5	10.665	3.266	2.5	2.5	2.5	6.1
01045 IRON, TOTAL (UG/L AS FE)	06/25/87-08/26/97	29	83.	105.759	455.	5.	8888.261	94.278	22.	46.	148.5	232.
01051 LEAD, TOTAL (UG/L AS PB)	06/25/87-06/11/97	22	9.	15.136	63.	1.	318.695	17.852	1.3	4.	16.5	52.8
01055 MANGANESE, TOTAL (UG/L AS MN)	06/25/87-08/26/97	29	24.	29.517	88.	9.	352.259	18.769	10.	16.	44.	52.
01060 MOLYBDENUM, DISSOLVED (UG/L AS MO)	04/21/77-07/11/78	5	0.	0.	0.	0.	0.	0.	**	**	**	**
01062 MOLYBDENUM, TOTAL (UG/L AS MO)	04/08/76-10/24/79	24	0.	2.25	20.	0.	29.326	5.415	0.	0.	0.	12.
01067 NICKEL, TOTAL (UG/L AS NI)	04/21/77-06/11/97	41	6.	6.378	16.	0.	15.86	3.982	2.5	2.5	10.	12.
01077 SILVER, TOTAL (UG/L AS AG)	06/25/87-06/11/97	19##	0.1	0.226	1.1	0.1	0.062	0.249	0.1	0.1	0.3	0.5
01087 VANADIUM, TOTAL (UG/L AS V)	04/08/76-09/25/78	15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
01092 ZINC, TOTAL (UG/L AS ZN)	07/19/77-06/11/97	23	5.	23.391	400.	0.	6765.34	82.252	1.	2.	11.	16.6
01097 ANTIMONY, TOTAL (UG/L AS SB)	06/25/87-06/11/97	14##	1.	1.071	2.	1.	0.071	0.267	1.	1.	1.	1.5
01105 ALUMINUM, TOTAL (UG/L AS AL)	04/21/77-09/27/79	19	170.	305.789	3000.	21.	432735.398	657.826	50.	90.	230.	350.
01132 LITHIUM, TOTAL (UG/L AS LI)	04/08/76-10/24/79	25	46.	45.6	51.	35.	15.5	3.937	39.6	44.	48.5	50.4
01147 SELENIUM, TOTAL (UG/L AS SE)	06/25/87-07/14/97	18##	2.	2.667	11.	1.	6.	2.449	1.	1.	3.25	5.6
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/27/77-08/27/79	10	2.	3.1	8.	0.	7.656	2.767	0.	0.75	6.	7.8
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/27/77-08/27/79	10	0.301	0.396	0.903	0.	0.121	0.348	0.	0.	0.778	0.891
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		2.491								
32730 PHENOLICS, TOTAL, RECOVERABLE (UG/L)	04/21/87-05/12/97	9##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
34361 ENDOSULFAN, ALPHA TOTWUG/L	06/25/87-06/12/95	13##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
39026 STROBANE,2,3,6-TRICHLOROPHEYLACETIC ACID UG/L	06/25/87-08/20/91	7##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39033 ATRAZINE IN WHOLE WATER SAMPLE UG/L	06/25/87-08/26/97	18##	0.05	0.103	0.5	0.05	0.021	0.145	0.05	0.05	0.05	0.5
39055 SIMAZINE IN WHOLE WATER (UG/L)	06/25/87-08/26/97	18##	0.05	0.075	0.5	0.05	0.011	0.106	0.05	0.05	0.05	0.095
39330 ALDRIN IN WHOLE WATER SAMPLE (UG/L)	07/27/81-08/26/97	19##	0.005	0.005	0.005	0.	0.	0.001	0.005	0.005	0.005	0.005
39337 ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	08/09/89-08/09/89	1##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39350 CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	07/27/81-08/26/97	19##	0.02	0.019	0.02	0.	0.	0.005	0.02	0.02	0.02	0.02
39356 METOLACHLOR(DUAL) IN WHOLE WATER UG/L	06/25/87-08/26/97	18##	0.05	0.075	0.5	0.05	0.011	0.106	0.05	0.05	0.05	0.095
39365 DDE IN WHOLE WATER SAMPLE (UG/L)	07/27/81-08/26/97	19##	0.015	0.014	0.015	0.	0.	0.003	0.015	0.015	0.015	0.015
39370 DDT IN WHOLE WATER SAMPLE (UG/L)	07/27/81-08/26/97	19##	0.015	0.014	0.015	0.	0.	0.003	0.015	0.015	0.015	0.015
39380 DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/25/87-08/26/97	18##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
39388 ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	08/28/95-08/26/97	5##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39390 ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/25/87-08/26/97	18##	0.015	0.015	0.015	0.015	0.	0.	0.015	0.015	0.015	0.015
39400 TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/25/87-08/26/97	18##	0.05	0.075	0.5	0.05	0.011	0.106	0.05	0.05	0.05	0.095
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/25/87-08/26/97	18##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/25/87-08/26/97	18##	0.02	0.02	0.02	0.02	0.	0.	0.02	0.02	0.02	0.02
39516 PCBS IN WHOLE WATER SAMPLE (UG/L)	01/30/80-08/26/97	22##	0.05	0.061	0.5	0.	0.01	0.1	0.	0.05	0.05	0.05
39570 DIAZINON IN WHOLE WATER SAMPLE (UG/L)	06/25/87-08/26/97	18##	0.05	0.134	0.9	0.015	0.051	0.225	0.047	0.05	0.05	0.54
39782 LINDANE IN WHOLE WATER SAMPLE (UG/L)	06/25/87-08/26/97	18##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/14/72-12/02/75	20	508.	514.1	566.	480.	562.726	23.722	482.8	499.	527.5	557.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: MNRR0103

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/22/70-08/26/97	72	0.01	0.014	0.12	0.	0.	0.019	0.	0.005	0.02	0.03
71845 NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	02/10/76-02/10/76	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	01/07/74-10/11/95	48	0.	0.185	2.	0.	0.193	0.439	0.	0.	0.1	0.55
72030 ELEVATION OF RESERVOIR POOL (FT ABOVE MSL)	02/10/76-10/23/78	14	1353.7	1336.764	1360.8	1232.	1912.775	43.735	1234.	1348.775	1356.85	1359.6
77729 RAMROD WHOLE WATER,UG/L	06/25/87-08/26/97	18##	0.05	0.072	0.5	0.	0.012	0.107	0.045	0.05	0.05	0.095
77825 ALACHLOR WHOLE WATER,UG/L	06/25/87-08/26/97	18##	0.05	0.075	0.5	0.05	0.011	0.106	0.05	0.05	0.05	0.095
77900 1ALPHA-(METHOXYMETHYL)-7ALPHA,8AL*WHOLE WATER,UG/L	08/29/78-08/29/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
81283 BENZENEHEXACHLORIDE (6H6CL6WHOLE WATER SAMPLE UG/L	07/27/81-08/26/97	18##	0.01	0.009	0.01	0.	0.	0.002	0.009	0.01	0.01	0.01
81284 TRIFLURALIN(C13H16F3N3O4) WHOLE WATER SAMPLE UG/L	08/15/94-08/26/97	7##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81408 METRIBUZIN (SENCOR), WATER, WHOLE UG/L	06/25/87-08/26/97	18##	0.05	0.075	0.5	0.05	0.011	0.106	0.05	0.05	0.05	0.095
82052 BANVEL (DICAMBA) WHOLE WATER,UG/L	08/15/94-08/26/97	7##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: MNRR0103

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	72	1	0.01	3	0	0.00	5	0	0.00	37	1	0.03	27	0	0.00
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2409	46	0.02	353	42	0.12	422	0	0.00	834	0	0.00	800	4	0.01
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	47	0	0.00	4	0	0.00	7	0	0.00	14	0	0.00	22	0	0.00
00400 PH	Fresh Chronic	9.	142	5	0.04	7	1	0.14	13	0	0.00	61	2	0.03	61	2	0.03
	Other-Lo Lim.	6.5	142	1	0.01	7	0	0.00	13	0	0.00	61	1	0.02	61	0	0.00
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	32	0	0.00				1	0	0.00	14	0	0.00	17	0	0.00
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	113	0	0.00	5	0	0.00	11	0	0.00	50	0	0.00	47	0	0.00
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	8	0	0.00							3	0	0.00	5	0	0.00
00720 CYANIDE, TOTAL	Fresh Acute	0.022	17	0	0.00				2	0	0.00	5	0	0.00	10	0	0.00
	Drinking Water	0.2	17	0	0.00				2	0	0.00	5	0	0.00	10	0	0.00
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	89	0	0.00	5	0	0.00	11	0	0.00	38	0	0.00	35	0	0.00
	Drinking Water	250.	89	0	0.00	5	0	0.00	11	0	0.00	38	0	0.00	35	0	0.00
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	100	11	0.11	5	0	0.00	9	0	0.00	43	9	0.21	43	2	0.05
01002 ARSENIC, TOTAL	Fresh Acute	360.	26	0	0.00							16	0	0.00	10	0	0.00
	Drinking Water	50.	26	0	0.00							16	0	0.00	10	0	0.00
01007 BARIUM, TOTAL	Drinking Water	2000.	27	0	0.00							19	0	0.00	8	0	0.00
01012 BERYLLIUM, TOTAL	Fresh Acute	130.	46	0	0.00							25	0	0.00	21	0	0.00
	Drinking Water	4.	46	0	0.00							25	0	0.00	21	0	0.00
01027 CADMIUM, TOTAL	Fresh Acute	3.9	22	0	0.00							14	0	0.00	8	0	0.00
	Drinking Water	5.	22	0	0.00							14	0	0.00	8	0	0.00
01034 CHROMIUM, TOTAL	Drinking Water	100.	22	0	0.00							14	0	0.00	8	0	0.00
01042 COPPER, TOTAL	Fresh Acute	18.	21	0	0.00							13	0	0.00	8	0	0.00
	Drinking Water	1300.	21	0	0.00							13	0	0.00	8	0	0.00
01051 LEAD, TOTAL	Fresh Acute	82.	22	0	0.00							14	0	0.00	8	0	0.00
	Drinking Water	15.	22	6	0.27							14	4	0.29	8	2	0.25
01067 NICKEL, TOTAL	Fresh Acute	1400.	41	0	0.00							22	0	0.00	19	0	0.00
	Drinking Water	100.	41	0	0.00							22	0	0.00	19	0	0.00
01077 SILVER, TOTAL	Fresh Acute	4.1	19	0	0.00							12	0	0.00	7	0	0.00
	Drinking Water	100.	19	0	0.00							12	0	0.00	7	0	0.00
01092 ZINC, TOTAL	Fresh Acute	120.	23	1	0.04							14	1	0.07	9	0	0.00
	Drinking Water	5000.	23	0	0.00							14	0	0.00	9	0	0.00
01097 ANTIMONY, TOTAL	Fresh Acute	88.	14	0	0.00							12	0	0.00	2	0	0.00
	Drinking Water	6.	14	0	0.00							12	0	0.00	2	0	0.00
01147 SELENIUM, TOTAL	Fresh Acute	20.	18	0	0.00							16	0	0.00	2	0	0.00
	Drinking Water	50.	18	0	0.00							16	0	0.00	2	0	0.00
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	10	0	0.00							5	0	0.00	5	0	0.00
34361 ENDOSULFAN, ALPHA	Fresh Acute	0.22	13	0	0.00							7	0	0.00	6	0	0.00
39033 ATRAZINE IN WHOLE WATER SAMPLE	Drinking Water	3.	18	0	0.00							9	0	0.00	9	0	0.00
39055 SIMAZINE IN WHOLE WATER	Drinking Water	4.	18	0	0.00							9	0	0.00	9	0	0.00
39330 ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	19	0	0.00							9	0	0.00	10	0	0.00
39350 CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	19	0	0.00							9	0	0.00	10	0	0.00
	Drinking Water	2.	19	0	0.00							9	0	0.00	10	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

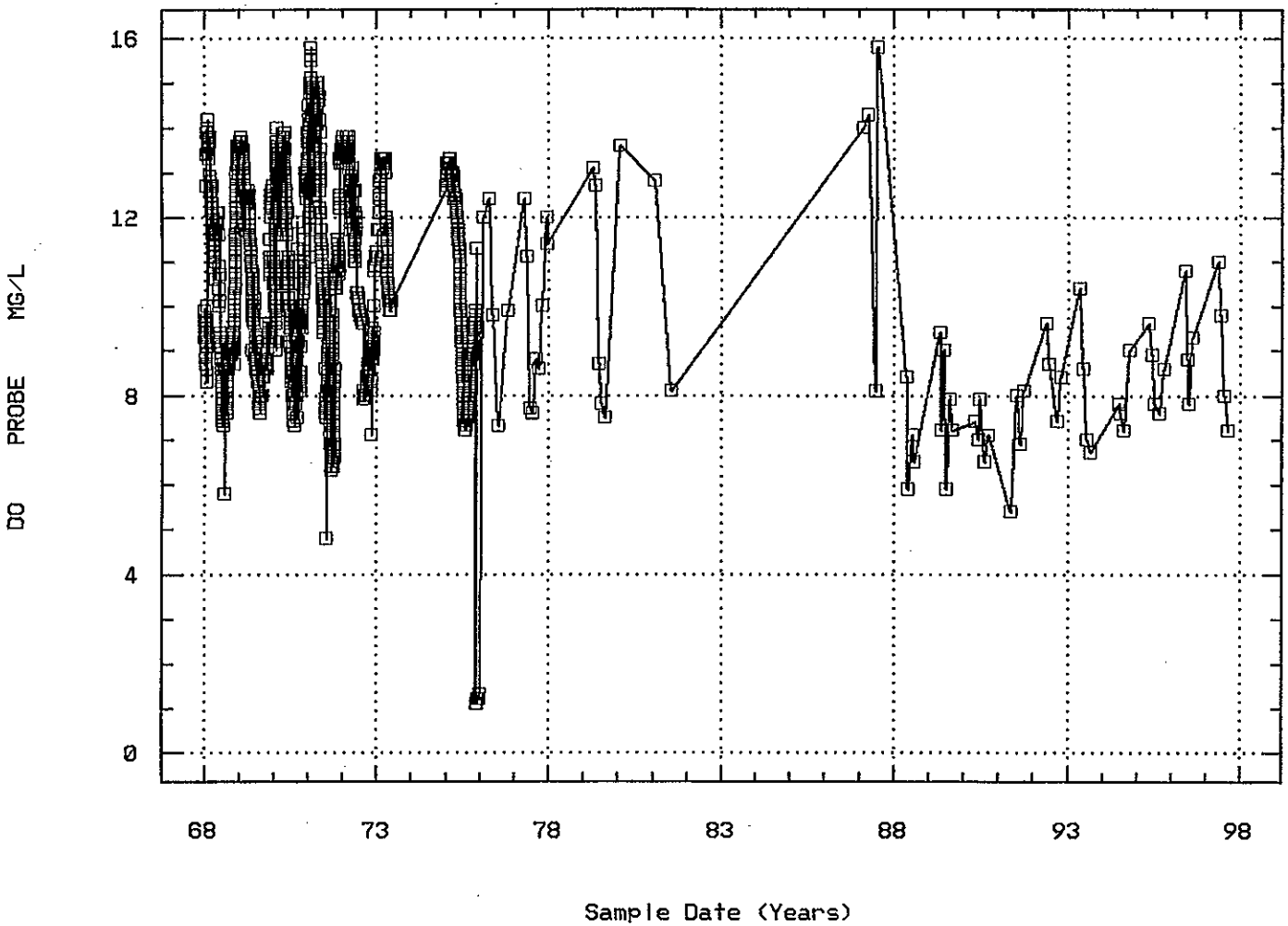
EPA Water Quality Criteria Analysis for Station: MNRR0103

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
39365 ODE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	19	0	0.00							9	0	0.00	10	0	0.00
39370 ODT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	19	0	0.00							9	0	0.00	10	0	0.00
39380 DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	18	0	0.00							9	0	0.00	9	0	0.00
39388 ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	5	0	0.00							2	0	0.00	3	0	0.00
39390 ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	18	0	0.00							9	0	0.00	9	0	0.00
	Drinking Water	2.	18	0	0.00							9	0	0.00	9	0	0.00
39400 TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	18	0	0.00							9	0	0.00	9	0	0.00
	Drinking Water	3.	18	0	0.00							9	0	0.00	9	0	0.00
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	18	0	0.00							9	0	0.00	9	0	0.00
	Drinking Water	0.2	18	0	0.00							9	0	0.00	9	0	0.00
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	18	0	0.00							9	0	0.00	9	0	0.00
39782 LINDANE IN WHOLE WATER SAMPLE	Fresh Acute	2.	18	0	0.00							9	0	0.00	9	0	0.00
	Drinking Water	0.2	18	0	0.00							9	0	0.00	9	0	0.00
71900 MERCURY, TOTAL	Fresh Acute	2.4	48	0	0.00	3	0	0.00	4	0	0.00	16	0	0.00	25	0	0.00
	Drinking Water	2.	48	2	0.04	3	2	0.67	4	0	0.00	16	0	0.00	25	0	0.00
81283 BENZENEHEXACHLORIDE, WHOLE WATER	Fresh Acute	100.	18	0	0.00							9	0	0.00	9	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

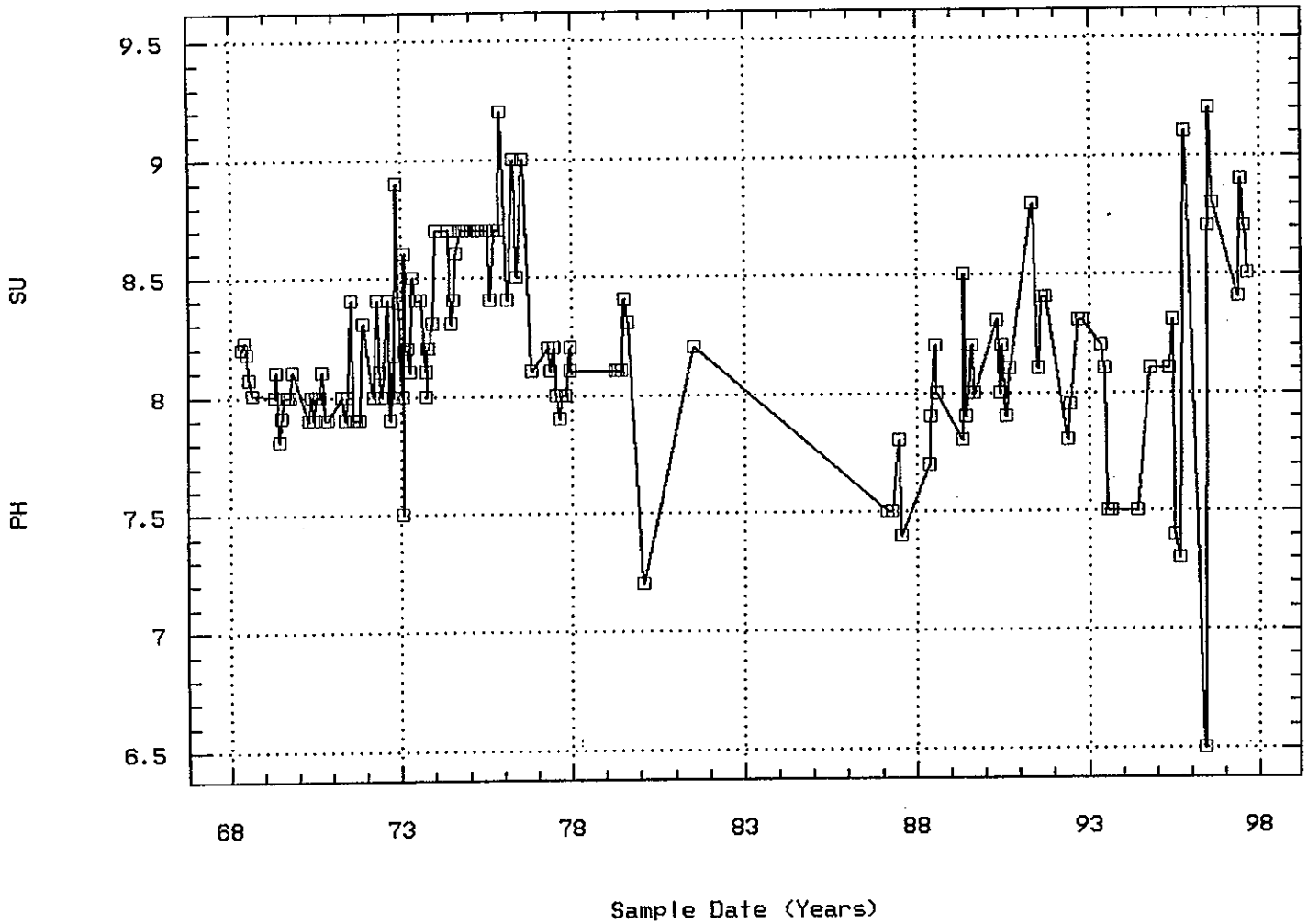
Station: MNRR0103 Parameter Code: 00299

OXYGEN ,DISSOLVED, ANALYSIS BY PROBE



Station: MNRR0103 Parameter Code: 00400

PH (STANDARD UNITS)



Annual Analysis for 1968 - Station MNRR0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011 TEMPERATURE, WATER (DEGREES FAHRENHEIT)		05/04/65-12/31/75	366	50.35	50.418	72.9	33.9	148.05	12.168	36.47	37.2	61.925	67.9
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/04/65-12/31/75	371	810.	812.385	887.	730.	1389.573	37.277	762.	779.	845.	860.8
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-08/26/97	366	9.7	10.461	14.2	5.8	3.544	1.883	8.6	8.9	11.9	13.5
00400 PH (STANDARD UNITS)		05/08/68-08/26/97	5	8.18	8.138	8.23	8.01	0.009	0.094	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		05/08/68-08/26/97	5	8.18	8.13	8.23	8.01	0.009	0.094	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/08/68-08/26/97	5	0.007	0.007	0.01	0.006	0.	0.002	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	5	162.	166.4	201.	135.	568.8	23.85	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	5	255.	256.8	271.	245.	107.2	10.354	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/08/68-06/11/97	5	11.	12.2	18.	10.	11.2	3.347	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/08/68-07/14/97	5	247.	234.8	257.	176.	1103.7	33.222	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1969 - Station MNRR0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011 TEMPERATURE, WATER (DEGREES FAHRENHEIT)		05/04/65-12/31/75	364	53.6	53.005	75.1	33.8	219.368	14.811	34.8	36.	67.125	72.25
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/04/65-12/31/75	373	793.	818.753	928.	720.	4520.278	67.233	743.4	768.	910.	918.
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-08/26/97	365	10.4	10.64	13.8	7.6	4.205	2.051	8.	8.6	12.5	13.4
00400 PH (STANDARD UNITS)		05/08/68-08/26/97	8	8.	7.99	8.1	7.81	0.009	0.095	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		05/08/68-08/26/97	8	8.	7.98	8.1	7.81	0.009	0.096	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/08/68-08/26/97	8	0.01	0.01	0.015	0.008	0.	0.002	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	8	156.	153.	161.	143.	40.	6.325	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	8	242.5	243.125	252.	233.	42.125	6.49	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/08/68-06/11/97	8	10.	10.	12.	9.	0.857	0.926	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/08/68-07/14/97	8	221.5	221.75	255.	193.	380.5	19.506	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1970 - Station MNRR0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011 TEMPERATURE, WATER (DEGREES FAHRENHEIT)		05/04/65-12/31/75	364	46.75	50.331	77.6	32.3	259.95	16.123	33.2	34.2	67.975	74.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/04/65-12/31/75	373	734.	731.78	791.	686.	203.93	14.28	710.	722.	742.	747.
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-08/26/97	365	10.8	10.922	14.	7.3	3.703	1.924	8.3	9.2	12.8	13.5
00400 PH (STANDARD UNITS)		05/08/68-08/26/97	8	7.95	7.963	8.1	7.9	0.006	0.074	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		05/08/68-08/26/97	8	7.947	7.957	8.1	7.9	0.006	0.075	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/08/68-08/26/97	8	0.011	0.011	0.013	0.008	0.	0.002	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	8	153.	154.125	159.	151.	7.839	2.8	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	8	235.5	235.375	244.	228.	28.268	5.317	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/08/68-06/11/97	8	9.	8.75	9.	8.	0.214	0.463	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/08/68-07/14/97	8	216.5	208.	248.	100.	2311.143	48.074	**	**	**	**

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Annual Analysis for 1971 - Station MNRR0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011 TEMPERATURE, WATER (DEGREES FAHRENHEIT)		05/04/65-12/31/75	372	51.65	52.485	78.	32.7	209.997	14.491	35.9	37.025	66.575	73.51
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/04/65-12/31/75	373	782.	774.976	858.	699.	1328.868	36.454	727.4	740.	807.	823.2
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-08/26/97	365	11.2	11.415	15.8	4.8	7.043	2.654	7.6	9.5	13.9	14.8
00400 PH (STANDARD UNITS)		05/08/68-08/26/97	8	7.95	8.038	8.4	7.9	0.04	0.2	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		05/08/68-08/26/97	8	7.947	8.004	8.4	7.9	0.041	0.203	**	**	**	**

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Annual Analysis for 1971 - Station MNRR0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/08/68-08/26/97	8	0.011	0.01	0.013	0.004	0.	0.004	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	8	157.	156.25	161.	147.	23.929	4.892	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	8	277.	265.75	286.	222.	581.357	24.111	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/08/68-06/11/97	8	8.5	8.625	11.	7.	1.411	1.188	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/08/68-07/14/97	8	225.5	219.875	248.	176.	519.554	22.794	**	**	**	**

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Annual Analysis for 1972 - Station MNRR0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011 TEMPERATURE, WATER (DEGREES FAHRENHEIT)		05/04/65-12/31/75	366	47.35	52.083	77.7	33.5	247.482	15.732	35.2	36.7	68.75	75.5
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/04/65-12/31/75	377	780.	762.809	840.	670.	2338.033	48.353	695.	708.	805.	812.
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-08/26/97	366	10.3	10.758	13.8	7.1	3.899	1.975	8.	9.	12.9	13.4
00400 PH (STANDARD UNITS)		05/08/68-08/26/97	11	8.17	8.242	8.9	7.9	0.085	0.291	7.92	8.	8.4	8.8
00400 CONVERTED PH (STANDARD UNITS)		05/08/68-08/26/97	11	8.17	8.169	8.9	7.9	0.091	0.301	7.92	8.	8.4	8.8
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/08/68-08/26/97	11	0.007	0.007	0.013	0.001	0.	0.004	0.002	0.004	0.01	0.012
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	13	152.	151.769	174.	133.	130.026	11.403	137.	146.	153.5	174.
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	12	228.	227.667	240.	206.	80.606	8.978	210.8	224.5	235.5	239.4
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/08/68-06/11/97	13	10.	9.131	12.	0.7	8.722	2.953	3.22	8.	11.	11.6
00945 SULFATE, TOTAL (MG/L AS SO4)		05/08/68-07/14/97	10	214.5	198.2	241.	120.	1998.178	44.701	120.	168.75	230.	239.9

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Annual Analysis for 1973 - Station MNRR0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011 TEMPERATURE, WATER (DEGREES FAHRENHEIT)		05/04/65-12/31/75	153	36.	39.882	57.	34.5	43.972	6.631	35.	35.5	41.5	52.88
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/04/65-12/31/75	168	706.5	717.036	1775.	612.	7126.514	84.419	692.	701.	719.5	740.
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-08/26/97	153	11.7	11.838	13.3	9.9	1.556	1.247	10.1	10.55	13.2	13.3
00400 PH (STANDARD UNITS)		05/08/68-08/26/97	15	8.2	8.179	8.6	7.5	0.069	0.262	7.8	8.	8.4	8.54
00400 CONVERTED PH (STANDARD UNITS)		05/08/68-08/26/97	15	8.2	8.091	8.6	7.5	0.077	0.278	7.8	8.	8.4	8.54
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/08/68-08/26/97	15	0.006	0.008	0.032	0.003	0.	0.007	0.003	0.004	0.01	0.019
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	14	159.	160.357	184.	145.	151.478	12.308	145.	151.	166.	184.
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	14	236.5	233.357	241.	215.	78.555	8.863	215.	228.75	239.5	241.
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/08/68-06/11/97	14	9.	8.571	10.	7.	1.033	1.016	7.	7.75	9.	10.
00945 SULFATE, TOTAL (MG/L AS SO4)		05/08/68-07/14/97	13	205.	207.385	235.	170.	252.423	15.888	182.	200.	214.	233.

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Annual Analysis for 1974 - Station MNRR0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/04/65-12/31/75	10	750.	752.9	800.	710.	856.322	29.263	711.5	725.	781.75	799.
00400 PH (STANDARD UNITS)		05/08/68-08/26/97	9	8.7	8.611	8.7	8.3	0.024	0.154	8.3	8.5	8.7	8.7
00400 CONVERTED PH (STANDARD UNITS)		05/08/68-08/26/97	9	8.7	8.584	8.7	8.3	0.024	0.156	8.3	8.5	8.7	8.7
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/08/68-08/26/97	9	0.002	0.003	0.005	0.002	0.	0.001	0.002	0.002	0.003	0.005
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	11	162.	160.727	168.	150.	30.618	5.533	150.8	156.	164.	167.6
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	11	238.	237.909	245.	231.	21.291	4.614	231.2	234.	243.	244.6
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/08/68-06/11/97	11	10.	10.182	17.	7.	6.364	2.523	7.4	9.	11.	15.8
00945 SULFATE, TOTAL (MG/L AS SO4)		05/08/68-07/14/97	11	210.	208.455	224.	192.	97.473	9.873	192.8	200.	214.	223.4

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Annual Analysis for 1975 - Station MNRR0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011 TEMPERATURE, WATER (DEGREES FAHRENHEIT)		05/04/65-12/31/75	345	49.	51.015	77.7	32.2	266.007	16.31	33.36	34.5	64.5	75.7
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/04/65-12/31/75	359	717.	737.462	850.	445.	4544.657	67.414	648.	686.	807.	828.
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-08/26/97	359	9.2	9.158	13.3	1.	13.893	3.727	1.2	7.6	12.6	13.1
00400 PH (STANDARD UNITS)		05/08/68-08/26/97	11	8.7	8.718	9.2	8.4	0.034	0.183	8.46	8.7	8.7	9.1
00400 CONVERTED PH (STANDARD UNITS)		05/08/68-08/26/97	11	8.7	8.688	9.2	8.4	0.035	0.186	8.46	8.7	8.7	9.1
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/08/68-08/26/97	11	0.002	0.002	0.004	0.001	0.	0.001	0.001	0.002	0.002	0.004
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	10	167.	167.6	176.	160.	31.822	5.641	160.2	162.	172.5	175.8
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	10	245.	243.1	256.	231.	74.544	8.634	231.1	234.25	250.25	255.5
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/08/68-06/11/97	11	10.	9.182	11.	1.	8.164	2.857	2.4	9.	11.	11.
00945 SULFATE, TOTAL (MG/L AS SO4)		05/08/68-07/14/97	10	206.	204.5	218.	190.	75.389	8.683	190.6	196.75	211.	217.6

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Annual Analysis for 1976 - Station MNRR0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-08/26/97	5	9.9	10.28	12.4	7.3	4.177	2.044	**	**	**	**
00400 PH (STANDARD UNITS)		05/08/68-08/26/97	5	8.5	8.6	9.	8.1	0.155	0.394	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		05/08/68-08/26/97	5	8.5	8.466	9.	8.1	0.177	0.421	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/08/68-08/26/97	5	0.003	0.003	0.008	0.001	0.	0.003	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	1	170.	170.	170.	170.	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	1	239.	239.	239.	239.	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/08/68-06/11/97	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/08/68-07/14/97	1	199.	199.	199.	199.	0.	0.	**	**	**	**

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Annual Analysis for 1977 - Station MNRR0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-08/26/97	9	10.	9.956	12.4	7.6	3.42	1.849	7.6	8.15	11.7	12.4
00400 PH (STANDARD UNITS)		05/08/68-08/26/97	9	8.1	8.078	8.2	7.9	0.012	0.109	7.9	8.	8.2	8.2
00400 CONVERTED PH (STANDARD UNITS)		05/08/68-08/26/97	9	8.1	8.065	8.2	7.9	0.012	0.11	7.9	8.	8.2	8.2
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/08/68-08/26/97	9	0.008	0.009	0.013	0.006	0.	0.002	0.006	0.006	0.01	0.013

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Annual Analysis for 1979 - Station MNRR0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-08/26/97	5	8.7	9.96	13.1	7.5	7.418	2.724	**	**	**	**
00400 PH (STANDARD UNITS)		05/08/68-08/26/97	5	8.1	8.2	8.4	8.1	0.02	0.141	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		05/08/68-08/26/97	5	8.1	8.183	8.4	8.1	0.02	0.143	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/08/68-08/26/97	5	0.008	0.007	0.008	0.004	0.	0.002	**	**	**	**

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Annual Analysis for 1980 - Station MNRR0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-08/26/97	1	13.6	13.6	13.6	13.6	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)		05/08/68-08/26/97	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		05/08/68-08/26/97	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/08/68-08/26/97	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**

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Annual Analysis for 1981 - Station MNRR0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-08/26/97	2	10.45	10.45	12.8	8.1	11.045	3.323	**	**	**	**
00400 PH (STANDARD UNITS)		05/08/68-08/26/97	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		05/08/68-08/26/97	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/08/68-08/26/97	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**

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Annual Analysis for 1987 - Station MNRR0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-08/26/97	4	14.15	13.05	15.8	8.1	11.51	3.393	**	**	**	**
00400 PH (STANDARD UNITS)		05/08/68-08/26/97	4	7.5	7.55	7.8	7.4	0.03	0.173	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		05/08/68-08/26/97	4	7.5	7.527	7.8	7.4	0.031	0.175	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/08/68-08/26/97	4	0.032	0.03	0.04	0.016	0.	0.01	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	4	166.	167.25	176.	161.	40.25	6.344	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	4	238.5	241.75	271.	219.	472.917	21.747	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/08/68-07/14/97	2	234.	234.	244.	224.	200.	14.142	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station MNRR0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-08/26/97	4	6.8	6.975	8.4	5.9	1.143	1.069	**	**	**	**
00400 PH (STANDARD UNITS)		05/08/68-08/26/97	4	7.95	7.95	8.2	7.7	0.043	0.208	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		05/08/68-08/26/97	4	7.947	7.913	8.2	7.7	0.045	0.212	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/08/68-08/26/97	4	0.011	0.012	0.02	0.006	0.	0.006	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	4	162.	160.	171.	145.	124.	11.136	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	4	238.5	238.75	252.	226.	160.917	12.685	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/08/68-06/11/97	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/08/68-07/14/97	2	200.	200.	235.	165.	2450.	49.497	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station MNRR0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-08/26/97	6	7.55	7.767	9.4	5.9	1.667	1.291	**	**	**	**
00400 PH (STANDARD UNITS)		05/08/68-08/26/97	6	8.	8.067	8.5	7.8	0.063	0.25	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		05/08/68-08/26/97	6	8.	8.015	8.5	7.8	0.066	0.257	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/08/68-08/26/97	6	0.01	0.01	0.016	0.003	0.	0.004	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station MNRR0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	6	173.	175.333	188.	167.	65.467	8.091	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	6	244.	246.667	270.	228.	245.467	15.667	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/08/68-06/11/97	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/08/68-07/14/97	3	286.	291.667	316.	273.	486.333	22.053	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station MNRR0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-08/26/97	5	7.1	7.18	7.9	6.5	0.267	0.517	**	**	**	**
00400 PH (STANDARD UNITS)		05/08/68-08/26/97	5	8.1	8.1	8.3	7.9	0.025	0.158	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		05/08/68-08/26/97	5	8.1	8.077	8.3	7.9	0.026	0.16	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/08/68-08/26/97	5	0.008	0.008	0.013	0.005	0.	0.003	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	5	181.	192.	222.	172.	475.5	21.806	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	5	238.	237.6	265.	213.	352.8	18.783	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/08/68-06/11/97	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/08/68-07/14/97	3	182.	211.667	273.	180.	2822.333	53.126	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station MNRR0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-08/26/97	4	7.45	7.1	8.1	5.4	1.58	1.257	**	**	**	**
00400 PH (STANDARD UNITS)		05/08/68-08/26/97	4	8.4	8.425	8.8	8.1	0.083	0.287	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		05/08/68-08/26/97	4	8.4	8.359	8.8	8.1	0.088	0.297	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/08/68-08/26/97	4	0.004	0.004	0.008	0.002	0.	0.003	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	5	164.	164.	174.	155.	48.5	6.964	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	5	263.	257.6	269.	243.	114.8	10.714	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/08/68-06/11/97	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/08/68-07/14/97	3	194.	198.	224.	176.	588.	24.249	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station MNRR0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-08/26/97	4	8.55	8.525	9.6	7.4	0.822	0.907	**	**	**	**
00400 PH (STANDARD UNITS)		05/08/68-08/26/97	4	8.125	8.088	8.3	7.8	0.064	0.253	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		05/08/68-08/26/97	4	8.091	8.033	8.3	7.8	0.068	0.261	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/08/68-08/26/97	4	0.008	0.009	0.016	0.005	0.	0.005	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	3	153.	159.333	175.	150.	186.333	13.65	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	3	270.	264.	275.	247.	223.	14.933	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/08/68-06/11/97	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/08/68-07/14/97	2	245.5	245.5	283.	208.	2812.5	53.033	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station MNRR0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-08/26/97	4	7.8	8.175	10.4	6.7	2.896	1.702	**	**	**	**
00400 PH (STANDARD UNITS)		05/08/68-08/26/97	4	7.8	7.825	8.2	7.5	0.142	0.377	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		05/08/68-08/26/97	4	7.704	7.713	8.2	7.5	0.159	0.399	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/08/68-08/26/97	4	0.02	0.019	0.032	0.006	0.	0.014	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	4	154.5	155.75	164.	150.	38.917	6.238	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	4	287.5	287.5	289.	286.	1.667	1.291	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/08/68-06/11/97	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/08/68-07/14/97	2	209.5	209.5	218.	201.	144.5	12.021	**	**	**	**

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Annual Analysis for 1994 - Station MNRR0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-08/26/97	4	7.7	7.9	9.	7.2	0.6	0.775	**	**	**	**
00400 PH (STANDARD UNITS)		05/08/68-08/26/97	2	7.8	7.8	8.1	7.5	0.18	0.424	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		05/08/68-08/26/97	2	7.704	7.704	8.1	7.5	0.199	0.446	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/08/68-08/26/97	2	0.02	0.02	0.032	0.008	0.	0.017	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	5	161.	160.2	171.	147.	77.7	8.815	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	5	279.	297.	371.	265.	1876.	43.313	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/08/68-06/11/97	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/08/68-07/14/97	3	229.	223.667	232.	210.	142.333	11.93	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1995 - Station MNRR0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-08/26/97	5	8.6	8.5	9.6	7.6	0.67	0.819	**	**	**	**
00400 PH (STANDARD UNITS)		05/08/68-08/26/97	5	8.1	8.04	9.1	7.3	0.538	0.733	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		05/08/68-08/26/97	5	8.1	7.683	9.1	7.3	0.697	0.835	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/08/68-08/26/97	5	0.008	0.021	0.05	0.001	0.001	0.023	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	4	155.	154.25	166.	141.	107.583	10.372	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	4	288.	286.25	294.	275.	66.917	8.18	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/08/68-06/11/97	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/08/68-07/14/97	2	252.5	252.5	270.	235.	612.5	24.749	**	**	**	**

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Annual Analysis for 1996 - Station MNRR0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-08/26/97	4	9.05	9.175	10.8	7.8	1.563	1.25	**	**	**	**
00400 PH (STANDARD UNITS)		05/08/68-08/26/97	4	8.75	8.3	9.2	6.5	1.487	1.219	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		05/08/68-08/26/97	4	8.747	7.096	9.2	6.5	3.418	1.849	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/08/68-08/26/97	4	0.002	0.08	0.316	0.001	0.025	0.157	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	4	162.	161.5	173.	149.	96.333	9.815	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	4	282.5	285.25	298.	278.	78.25	8.846	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	05/08/68-06/11/97	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/08/68-07/14/97	2	230.5	230.5	244.	217.	364.5	19.092	**	**	**	**

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Annual Analysis for 1997 - Station MNRR0103

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-08/26/97	4	8.9	9.	11.	7.2	2.96	1.72	**	**	**	**
00400	PH (STANDARD UNITS)		05/08/68-08/26/97	4	8.6	8.625	8.9	8.4	0.049	0.222	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)		05/08/68-08/26/97	4	8.589	8.585	8.9	8.4	0.051	0.226	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/08/68-08/26/97	4	0.003	0.003	0.004	0.001	0.	0.001	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	4	158.5	159.5	184.	137.	509.667	22.576	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)		05/08/68-08/26/97	4	291.	293.5	318.	274.	501.667	22.398	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER	MG/L	05/08/68-06/11/97	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)		05/08/68-07/14/97	2	286.5	286.5	291.	282.	40.5	6.364	**	**	**	**

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Seasonal Analysis for Season #1: 11/20 to 1/14 - Station MNRR0103

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/20/70-08/26/97	5	3.5	3.4	7.	0.	6.425	2.535	**	**	**	**
00011 TEMPERATURE, WATER (DEGREES FAHRENHEIT)	05/04/65-12/31/75	350	35.95	37.801	57.6	32.7	22.713	4.766	33.4	34.1	41.	44.69
00065 STAGE, STREAM (FEET)	04/22/70-07/27/81	4	1234.5	1235.25	1238.	1234.	3.583	1.893	**	**	**	**
00076p TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/14/72-08/26/97	3	5.	5.333	9.	2.	12.333	3.512	**	**	**	**
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/14/69-08/26/97	3	700.	698.333	710.	685.	158.333	12.583	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/04/65-12/31/75	355	744.	753.037	920.	670.	2845.55	53.344	686.	710.	781.	850.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	05/04/65-08/26/97	353	11.8	10.65	14.5	1.	13.859	3.723	1.2	10.7	12.9	13.5
00400p PH (STANDARD UNITS)	05/08/68-08/26/97	7	8.39	8.513	9.2	8.1	0.145	0.381	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	05/08/68-08/26/97	7	8.39	8.399	9.2	8.1	0.16	0.4	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/08/68-08/26/97	7	0.004	0.004	0.008	0.001	0.	0.003	**	**	**	**
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	05/08/68-08/26/97	5	164.	158.8	168.	133.	210.7	14.516	**	**	**	**
00515p RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/08/68-07/14/97	3	516.	520.	532.	512.	112.	10.583	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/14/72-08/26/97	3	0.01	0.01	0.02	0.	0.	0.01	**	**	**	**
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	05/08/68-08/26/97	5	0.12	0.24	0.68	0.	0.071	0.267	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/14/72-10/24/79	2##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
00900p HARDNESS, TOTAL (MG/L AS CACO3)	05/08/68-08/26/97	5	236.	232.	245.	206.	226.5	15.05	**	**	**	**
00940p CHLORIDE,TOTAL IN WATER MG/L	05/08/68-06/11/97	5	9.	10.6	17.	8.	13.3	3.647	**	**	**	**
00945p SULFATE, TOTAL (MG/L AS SO4)	05/08/68-07/14/97	5	212.	208.6	241.	170.	736.8	27.144	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	01/07/74-10/11/95	3	2.	1.333	2.	0.	1.333	1.155	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 3/14 - Station MNRR0103

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/20/70-08/26/97	11	1.5	1.473	3.	0.	0.598	0.773	0.2	1.	2.	2.84
00011 TEMPERATURE, WATER (DEGREES FAHRENHEIT)	05/04/65-12/31/75	415	35.2	35.157	37.9	32.2	1.768	1.33	33.1	34.4	36.1	36.84
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/13/70-08/26/97	9	3.5	2.689	11.	-11.	37.034	6.086	0.	2.6	9.5	-11.
00032 CLOUD COVER (PERCENT)	04/08/76-08/26/97	3	90.	73.333	100.	30.	1433.333	37.859	**	**	**	**
00035 WIND VELOCITY (MILES PER HOUR)	10/26/76-07/14/97	3	7.	12.333	25.	5.	121.333	11.015	**	**	**	**
00065 STAGE, STREAM (FEET)	04/22/70-07/27/81	9	1233.	1233.197	1236.	1231.57	1.842	1.357	1231.57	1232.	1234.	1236.
00076p TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/14/72-08/26/97	5	2.	6.6	25.	0.	109.3	10.455	**	**	**	**
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/14/69-08/26/97	7	825.	778.286	890.	573.	13792.238	117.44	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/04/65-12/31/75	425	798.	797.231	1775.	667.	6088.81	78.031	715.	738.5	822.	910.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	05/04/65-08/26/97	422	13.3	12.998	15.8	8.3	1.698	1.303	11.7	12.9	13.6	14.07
00400p PH (STANDARD UNITS)	05/08/68-08/26/97	13	8.19	8.13	8.7	7.2	0.249	0.499	7.32	7.75	8.65	8.7
00400p CONVERTED PH (STANDARD UNITS)	05/08/68-08/26/97	13	8.19	7.855	8.7	7.2	0.331	0.575	7.32	7.75	8.65	8.7
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/08/68-08/26/97	13	0.006	0.014	0.063	0.002	0.	0.018	0.002	0.002	0.021	0.051
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	05/08/68-08/26/97	11	172.	167.727	184.	145.	185.018	13.602	145.	156.	176.	184.
00515p RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/08/68-07/14/97	6	541.	538.	566.	494.	680.	26.077	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/14/72-08/26/97	5	0.	0.008	0.02	0.	0.	0.011	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	04/27/78-07/14/97	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00619 AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	02/23/87-08/26/97	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	05/08/68-08/26/97	11	0.2	0.155	0.22	0.02	0.006	0.078	0.028	0.06	0.22	0.22
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/27/77-08/26/97	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00665p PHOSPHORUS, TOTAL (MG/L AS P)	05/08/68-08/26/97	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/14/72-10/24/79	5	0.003	0.005	0.01	0.	0.	0.005	**	**	**	**
00720 CYANIDE, TOTAL (MG/L AS CN) MG/L	01/30/80-10/11/95	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00900p HARDNESS, TOTAL (MG/L AS CACO3)	05/08/68-08/26/97	11	239.	242.	271.	215.	188.	13.711	219.	235.	250.	267.
00927 MAGNESIUM, TOTAL (MG/L AS MG)	02/10/76-08/26/97	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00929 SODIUM, TOTAL (MG/L AS NA)	02/10/76-08/26/97	1	72.	72.	72.	72.	0.	0.	**	**	**	**
00937 POTASSIUM, TOTAL MG/L AS K)	02/10/76-08/26/97	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00940p CHLORIDE,TOTAL IN WATER MG/L	05/08/68-06/11/97	11	10.	9.091	11.	1.	7.891	2.809	2.6	9.	11.	11.
00945p SULFATE, TOTAL (MG/L AS SO4)	05/08/68-07/14/97	9	210.	210.667	224.	199.	47.	6.856	199.	206.5	213.5	224.
39516 PCBS IN WHOLE WATER SAMPLE (UG/L)	01/30/80-08/26/97	2	0.	0.	0.	0.	0.	0.	**	**	**	**
70507p PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/22/70-08/26/97	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	01/07/74-10/11/95	4	0.	0.	0.001	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 7/14 - Station MNRR0103

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/20/70-08/26/97	52	16.	14.29	24.	1.	40.149	6.336	5.	9.	20.375	21.7
00011 TEMPERATURE, WATER (DEGREES FAHRENHEIT)	05/04/65-12/31/75	793	49.6	49.983	73.	33.5	124.43	11.155	36.3	39.2	60.2	65.2
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/13/70-08/26/97	54	21.75	21.489	37.	6.	54.513	7.383	8.75	17.	28.	31.25
00032 CLOUD COVER (PERCENT)	04/08/76-08/26/97	39	75.	57.462	100.	0.	1723.15	41.511	0.	15.	100.	100.
00035 WIND VELOCITY (MILES PER HOUR)	10/26/76-07/14/97	36	5.	8.097	25.	0.	30.94	5.562	3.	5.	10.	18.
00065 STAGE, STREAM (FEET)	04/22/70-07/27/81	23	1236.2	1183.922	1238.	236.7	43449.131	208.445	1137.	1234.	1237.	1237.6
00076p TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/14/72-08/26/97	37	3.	9.507	240.	0.	1526.147	39.066	0.41	2.	4.	5.36
00080 COLOR (PLATINUM-COBALT UNITS)	05/26/76-07/14/97	14	10.	10.071	15.	0.	25.302	5.03	2.5	5.75	15.	15.
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/14/69-08/26/97	38	706.5	705.316	870.	341.	10672.925	103.31	609.	648.75	771.75	840.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/04/65-12/31/75	824	777.	780.644	928.	612.	3848.101	62.033	702.5	725.25	826.	863.5
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	05/04/65-08/26/97	834	11.5	11.285	15.	5.4	2.963	1.721	8.9	10.1	12.5	13.45
00400p PH (STANDARD UNITS)	05/08/68-08/26/97	61	8.1	8.164	9.2	6.5	0.18	0.424	7.8	7.93	8.4	8.7
00400p CONVERTED PH (STANDARD UNITS)	05/08/68-08/26/97	61	8.1	7.858	9.2	6.5	0.275	0.524	7.8	7.93	8.4	8.7
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/08/68-08/26/97	61	0.008	0.014	0.316	0.001	0.002	0.04	0.002	0.004	0.012	0.016
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	05/08/68-08/26/97	58	157.5	161.759	222.	135.	265.379	16.29	145.9	151.	171.25	182.2
00515p RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/08/68-07/14/97	25	526.	456.	614.	5.	37479.25	193.596	8.8	494.	549.	602.2
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/23/78-07/14/97	17	5.	61.059	490.	0.	24665.684	157.053	1.6	2.	11.5	470.8
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/14/72-08/26/97	41	0.03	0.047	0.37	0.	0.004	0.065	0.01	0.01	0.055	0.1
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	04/27/78-07/14/97	14	0.003	0.006	0.04	0.	0.	0.011	0.	0.	0.006	0.03
00619 AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	02/23/87-08/26/97	28##	0.005	0.005	0.01	0.005	0.	0.001	0.005	0.005	0.005	0.006
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	05/08/68-08/26/97	50	0.085	0.125	0.46	0.	0.011	0.107	0.006	0.04	0.2	0.287
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/27/77-08/26/97	29	0.3	0.354	0.95	0.05	0.048	0.22	0.1	0.2	0.435	0.8
00665p PHOSPHORUS, TOTAL (MG/L AS P)	05/08/68-08/26/97	36	0.03	0.053	0.18	0.005	0.003	0.05	0.005	0.02	0.075	0.146
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/14/72-10/24/79	14	0.	0.002	0.009	0.	0.	0.003	0.	0.	0.004	0.007
00720 CYANIDE, TOTAL (MG/L AS CN) MG/L	01/30/80-10/11/95	5##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900p HARDNESS, TOTAL (MG/L AS CACO3)	05/08/68-08/26/97	57	246.	253.912	371.	213.	861.403	29.35	226.	232.	272.5	290.8
00916 CALCIUM, TOTAL (MG/L AS CA)	06/25/87-08/26/97	12	67.5	65.833	84.	49.	110.879	10.53	49.6	56.5	74.	81.3
00927 MAGNESIUM, TOTAL (MG/L AS MG)	02/10/76-08/26/97	12	24.	27.75	68.	20.	166.568	12.906	20.6	22.25	26.75	56.3
00929 SODIUM, TOTAL (MG/L AS NA)	02/10/76-08/26/97	12	75.	74.75	91.	53.	125.841	11.218	55.7	67.75	83.5	91.
00931 SODIUM ADSORPTION RATIO	06/25/87-08/26/97	11	2.	2.009	2.1	2.	0.001	0.03	2.	2.	2.	2.08
00937 POTASSIUM, TOTAL MG/L AS K)	02/10/76-08/26/97	12	5.5	5.833	8.	4.	1.606	1.267	4.3	5.	6.75	8.
00940p CHLORIDE,TOTAL IN WATER MG/L	05/08/68-06/11/97	38	10.	10.5	18.	7.	7.014	2.648	7.9	9.	11.25	16.
00945p SULFATE, TOTAL (MG/L AS SO4)	05/08/68-07/14/97	43	217.	219.512	316.	100.	1864.78	43.183	178.4	204.	244.	278.4
01002 ARSENIC, TOTAL (UG/L AS AS)	04/08/76-06/11/97	16##	1.	1.294	3.	0.7	0.514	0.717	0.91	1.	1.	3.
01007 BARIUM, TOTAL (UG/L AS BA)	04/08/76-06/11/97	19	35.	34.947	60.	20.	81.386	9.021	20.	31.	37.	43.
01012 BERYLLIUM, TOTAL (UG/L AS BE)	04/08/76-06/11/97	25##	1.	0.56	1.	0.	0.257	0.507	0.	0.	1.	1.
01022 BORON, TOTAL (UG/L AS B)	04/08/76-06/11/97	22	140.5	149.364	223.	100.	988.433	31.439	117.	127.75	161.75	206.1
01027 CADMIUM, TOTAL (UG/L AS CD)	06/25/87-06/11/97	14	0.35	0.557	3.	0.1	0.555	0.745	0.1	0.175	0.55	2.
01034 CHROMIUM, TOTAL (UG/L AS CR)	06/25/87-06/11/97	14##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01042 COPPER, TOTAL (UG/L AS CU)	06/25/87-06/11/97	13##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01045 IRON, TOTAL (UG/L AS FE)	06/25/87-08/26/97	14	82.	89.571	172.	20.	2484.879	49.849	32.5	47.75	129.75	169.5
01051 LEAD, TOTAL (UG/L AS PB)	06/25/87-06/11/97	14	10.5	18.143	63.	1.	439.209	20.957	1.	4.75	23.75	58.5
01055 MANGANESE, TOTAL (UG/L AS MN)	06/25/87-08/26/97	14	24.	25.5	50.	9.	195.346	13.977	9.5	13.75	34.75	48.5
01067 NICKEL, TOTAL (UG/L AS NI)	04/21/77-06/11/97	22	6.	6.341	16.	0.	15.962	3.995	2.5	2.5	9.25	12.1
01077 SILVER, TOTAL (UG/L AS AG)	06/25/87-06/11/97	12##	0.1	0.108	0.2	0.1	0.001	0.029	0.1	0.1	0.1	0.17
01092 ZINC, TOTAL (UG/L AS ZN)	07/19/77-06/11/97	14	4.5	33.786	400.	1.	11129.258	105.495	1.	2.75	9.5	208.5
01097 ANTIMONY, TOTAL (UG/L AS SB)	06/25/87-06/11/97	12##	1.	1.083	2.	1.	0.083	0.289	1.	1.	1.	1.7
01147 SELENIUM, TOTAL (UG/L AS SE)	06/25/87-07/14/97	16##	2.5	2.813	11.	1.	6.563	2.562	1.	1.	3.75	6.8
32730 PHENOLICS, TOTAL, RECOVERABLE (UG/L)	04/21/87-05/12/97	9##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
39033 ATRAZINE IN WHOLE WATER SAMPLE UG/L	06/25/87-08/26/97	9##	0.05	0.15	0.5	0.05	0.039	0.198	0.05	0.05	0.275	0.5
39055 SIMAZINE IN WHOLE WATER (UG/L)	06/25/87-08/26/97	9##	0.05	0.1	0.5	0.05	0.023	0.15	0.05	0.05	0.05	0.5
39330 ALDRIN IN WHOLE WATER SAMPLE (UG/L)	07/27/81-08/26/97	9##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
39350 CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	07/27/81-08/26/97	9##	0.02	0.02	0.02	0.02	0.	0.	0.02	0.02	0.02	0.02
39356 METOLACHLOR(DUAL) IN WHOLE WATER UG/L	06/25/87-08/26/97	9##	0.05	0.1	0.5	0.05	0.023	0.15	0.05	0.05	0.05	0.5
39365 DDE IN WHOLE WATER SAMPLE (UG/L)	07/27/81-08/26/97	9##	0.015	0.015	0.015	0.015	0.	0.	0.015	0.015	0.015	0.015
39370 DDT IN WHOLE WATER SAMPLE (UG/L)	07/27/81-08/26/97	9##	0.015	0.015	0.015	0.015	0.	0.	0.015	0.015	0.015	0.015
39380 DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/25/87-08/26/97	9##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
39390 ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/25/87-08/26/97	9##	0.015	0.015	0.015	0.015	0.	0.	0.015	0.015	0.015	0.015
39400 TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/25/87-08/26/97	9##	0.05	0.1	0.5	0.05	0.023	0.15	0.05	0.05	0.05	0.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 7/14 - Station MNRR0103

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/25/87-08/26/97	9##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/25/87-08/26/97	9##	0.02	0.02	0.02	0.02	0.	0.	0.02	0.02	0.02	0.02
39516 PCBS IN WHOLE WATER SAMPLE (UG/L)	01/30/80-08/26/97	9##	0.05	0.1	0.5	0.05	0.023	0.15	0.05	0.05	0.05	0.5
39570 DIAZINON IN WHOLE WATER SAMPLE (UG/L)	06/25/87-08/26/97	9##	0.05	0.096	0.5	0.015	0.023	0.152	0.015	0.05	0.05	0.5
39782 LINDANE IN WHOLE WATER SAMPLE (UG/L)	06/25/87-08/26/97	9##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
70507p PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/22/70-08/26/97	38	0.01	0.019	0.12	0.	0.001	0.024	0.005	0.005	0.02	0.06
71900 MERCURY, TOTAL (UG/L AS HG)	01/07/74-10/11/95	16	0.051	0.213	1.	0.	0.116	0.34	0.	0.	0.3	1.
77729 RAMROD WHOLE WATER,UG/L	06/25/87-08/26/97	9##	0.05	0.094	0.5	0.	0.023	0.153	0.	0.05	0.05	0.5
77825 ALACHLOR WHOLE WATER,UG/L	06/25/87-08/26/97	9##	0.05	0.1	0.5	0.05	0.023	0.15	0.05	0.05	0.05	0.5
81283 BENZENEHEXACHLORIDE (6H6CL6WHOLE WATER SAMPLE UG/L	07/27/81-08/26/97	9##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
81408 METRIBUZIN (SENCOR), WATER, WHOLE UG/L	06/25/87-08/26/97	9##	0.05	0.1	0.5	0.05	0.023	0.15	0.05	0.05	0.05	0.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 7/15 to 11/19 - Station MNRR0103

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/20/70-08/26/97	48	21.25	20.251	30.	0.07	31.599	5.621	11.85	17.25	24.75	26.
00011 TEMPERATURE, WATER (DEGREES FAHRENHEIT)	05/04/65-12/31/75	772	69.2	65.932	78.	41.5	92.183	9.601	50.6	58.3	73.9	75.8
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/13/70-08/26/97	45	24.	22.407	38.	0.	69.699	8.349	9.2	19.	28.25	31.46
00032 CLOUD COVER (PERCENT)	04/08/76-08/26/97	31	5.	26.097	100.	0.	1330.624	36.478	0.	0.	50.	100.
00035 WIND VELOCITY (MILES PER HOUR)	10/26/76-07/14/97	28	7.	9.036	28.	0.	42.184	6.495	2.7	5.	12.	20.
00065 STAGE, STREAM (FEET)	04/22/70-07/27/81	28	1237.5	1240.473	1328.	1234.25	295.553	17.192	1235.72	1236.475	1238.	1239.
00076p TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/14/72-08/26/97	27	3.	3.956	9.	0.	6.634	2.576	1.14	2.	5.	8.2
00080 COLOR (PLATINUM-COBALT UNITS)	05/26/76-07/14/97	12	10.	10.	25.	5.	37.091	6.09	5.	5.	12.25	22.6
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/14/69-08/26/97	31	720.	700.839	870.	275.	12829.273	113.266	584.4	665.	760.	828.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/04/65-12/31/75	800	750.	749.659	864.	445.	2319.309	48.159	692.	717.	788.	800.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	05/04/65-08/26/97	800	8.6	8.594	15.8	1.	1.343	1.159	7.3	8.	9.1	9.8
00400p PH (STANDARD UNITS)	05/08/68-08/26/97	61	8.1	8.196	9.1	7.3	0.135	0.367	7.9	8.	8.4	8.7
00400p CONVERTED PH (STANDARD UNITS)	05/08/68-08/26/97	61	8.1	8.048	9.1	7.3	0.157	0.396	7.9	8.	8.4	8.7
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/08/68-08/26/97	61	0.008	0.009	0.05	0.001	0.	0.009	0.002	0.004	0.01	0.013
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	05/08/68-08/26/97	52	159.5	159.5	181.	141.	71.941	8.482	147.2	154.25	164.75	171.7
00515p RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/08/68-07/14/97	27	500.	456.037	606.	2.	27652.114	166.289	8.2	482.	516.	576.8
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/23/78-07/14/97	16	4.5	5.438	18.	0.	22.663	4.761	0.7	2.	8.75	13.8
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/14/72-08/26/97	34	0.01	0.019	0.13	0.	0.001	0.025	0.	0.009	0.023	0.045
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	04/27/78-07/14/97	17	0.005	0.008	0.06	0.	0.	0.014	0.	0.	0.008	0.028
00619 AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	02/23/87-08/26/97	19##	0.005	0.005	0.01	0.005	0.	0.001	0.005	0.005	0.005	0.005
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	05/08/68-08/26/97	47	0.11	0.11	0.26	0.01	0.004	0.062	0.018	0.06	0.16	0.192
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/27/77-08/26/97	20	0.3	0.305	0.6	0.05	0.023	0.152	0.109	0.2	0.4	0.59
00665p PHOSPHORUS, TOTAL (MG/L AS P)	05/08/68-08/26/97	26	0.02	0.039	0.2	0.	0.002	0.044	0.005	0.018	0.043	0.105
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/14/72-10/24/79	14	0.	0.002	0.01	0.	0.	0.003	0.	0.	0.005	0.008
00720 CYANIDE, TOTAL (MG/L AS CN) MG/L	01/30/80-10/11/95	10##	0.005	0.004	0.005	0.	0.	0.002	0.	0.004	0.005	0.005
00900p HARDNESS, TOTAL (MG/L AS CACO3)	05/08/68-08/26/97	52	241.5	249.885	299.	222.	427.163	20.668	228.	235.	270.75	284.5
00916 CALCIUM, TOTAL (MG/L AS CA)	06/25/87-08/26/97	9	70.	66.444	76.	54.	71.778	8.472	54.	57.5	74.	76.
00927 MAGNESIUM, TOTAL (MG/L AS MG)	02/10/76-08/26/97	9	24.	23.444	26.	16.	9.028	3.005	16.	23.	25.5	26.
00929 SODIUM, TOTAL (MG/L AS NA)	02/10/76-08/26/97	9	77.	78.556	92.	66.	68.278	8.263	66.	71.5	85.5	92.
00931 SODIUM ADSORPTION RATIO	06/25/87-08/26/97	9	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
00937 POTASSIUM, TOTAL MG/L AS K)	02/10/76-08/26/97	9	6.	6.	8.	5.	0.75	0.866	5.	5.5	6.	8.
00940p CHLORIDE,TOTAL IN WATER MG/L	05/08/68-06/11/97	35	9.	9.134	12.	0.7	4.272	2.067	7.	8.	10.	11.4
00945p SULFATE, TOTAL (MG/L AS SO4)	05/08/68-07/14/97	43	214.	216.279	286.	165.	594.777	24.388	184.	200.	232.	247.
01002 ARSENIC, TOTAL (UG/L AS AS)	04/08/76-06/11/97	10	2.	2.4	4.	1.	0.711	0.843	1.1	2.	3.	3.9
01007 BARIUM, TOTAL (UG/L AS BA)	04/08/76-06/11/97	8	36.	37.875	50.	30.	66.982	8.184	**	**	**	**
01012 BERYLLIUM, TOTAL (UG/L AS BE)	04/08/76-06/11/97	21	0.	0.429	1.	0.	0.257	0.507	0.	0.	1.	1.
01022 BORON, TOTAL (UG/L AS B)	04/08/76-06/11/97	15	190.	183.947	260.	0.2	4489.528	67.004	78.08	151.	240.	254.6
01027 CADMIUM, TOTAL (UG/L AS CD)	06/25/87-06/11/97	8##	0.2	0.613	3.	0.1	0.981	0.991	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	06/25/87-06/11/97	8##	2.5	2.25	2.5	0.5	0.5	0.707	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	06/25/87-06/11/97	8##	2.5	4.875	17.	2.5	26.482	5.146	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

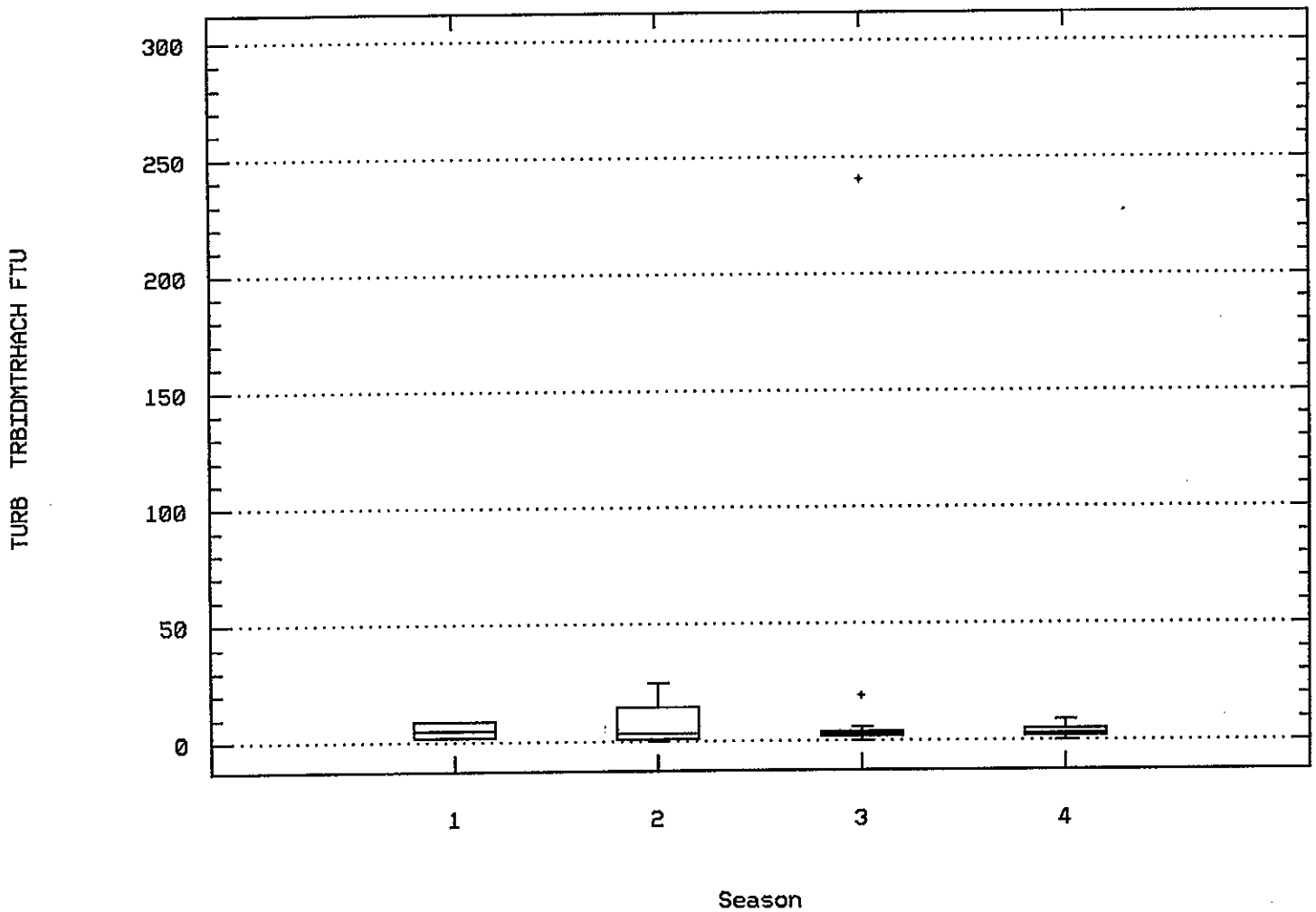
Seasonal Analysis for Season #4: 7/15 to 11/19 - Station MNRR0103

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045 IRON, TOTAL (UG/L AS FE)	06/25/87-08/26/97	15	83.	120.867	455.	5.	14962.552	122.322	15.2	29.	218.	330.2
01051 LEAD, TOTAL (UG/L AS PB)	06/25/87-06/11/97	8	6.	9.875	28.	2.	90.696	9.523	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	06/25/87-08/26/97	15	24.	33.267	88.	12.	491.924	22.179	12.	17.	52.	73.
01067 NICKEL, TOTAL (UG/L AS NI)	04/21/77-06/11/97	19	5.	6.421	13.	2.5	16.618	4.077	2.5	2.5	11.	12.
01077 SILVER, TOTAL (UG/L AS AG)	06/25/87-06/11/97	7	0.3	0.429	1.1	0.1	0.109	0.33	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	07/19/77-06/11/97	9	7.	7.222	16.	0.	36.444	6.037	0.	1.	13.	16.
01097 ANTIMONY, TOTAL (UG/L AS SB)	06/25/87-06/11/97	2##	1.	1.	1.	1.	0.	0.	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	06/25/87-07/14/97	2##	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
39033 ATRAZINE IN WHOLE WATER SAMPLE UG/L	06/25/87-08/26/97	9##	0.05	0.056	0.1	0.05	0.	0.017	0.05	0.05	0.05	0.1
39055 SIMAZINE IN WHOLE WATER (UG/L)	06/25/87-08/26/97	9##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
39330 ALDRIN IN WHOLE WATER SAMPLE (UG/L)	07/27/81-08/26/97	10##	0.005	0.005	0.005	0.	0.	0.002	0.001	0.005	0.005	0.005
39350 CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	07/27/81-08/26/97	10##	0.02	0.018	0.02	0.	0.	0.006	0.002	0.02	0.02	0.02
39356 METOLACHLOR(DUAL) IN WHOLE WATER UG/L	06/25/87-08/26/97	9##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
39365 DDE IN WHOLE WATER SAMPLE (UG/L)	07/27/81-08/26/97	10##	0.015	0.014	0.015	0.	0.	0.005	0.002	0.015	0.015	0.015
39370 DDT IN WHOLE WATER SAMPLE (UG/L)	07/27/81-08/26/97	10##	0.015	0.014	0.015	0.	0.	0.005	0.002	0.015	0.015	0.015
39380 DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/25/87-08/26/97	9##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
39390 ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/25/87-08/26/97	9##	0.015	0.015	0.015	0.015	0.	0.	0.015	0.015	0.015	0.015
39400 TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/25/87-08/26/97	9##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/25/87-08/26/97	9##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/25/87-08/26/97	9##	0.02	0.02	0.02	0.02	0.	0.	0.02	0.02	0.02	0.02
39516 PCBS IN WHOLE WATER SAMPLE (UG/L)	01/30/80-08/26/97	11##	0.05	0.041	0.05	0.	0.	0.02	0.	0.05	0.05	0.05
39570 DIAZINON IN WHOLE WATER SAMPLE (UG/L)	06/25/87-08/26/97	9##	0.05	0.172	0.9	0.05	0.081	0.285	0.05	0.05	0.175	0.9
39782 LINDANE IN WHOLE WATER SAMPLE (UG/L)	06/25/87-08/26/97	9##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
70507p PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/22/70-08/26/97	33	0.005	0.009	0.03	0.	0.	0.008	0.	0.003	0.02	0.02
71900 MERCURY, TOTAL (UG/L AS HG)	01/07/74-10/11/95	25	0.	0.06	0.25	0.	0.007	0.085	0.	0.	0.1	0.22
77729 RAMROD WHOLE WATER,UG/L	06/25/87-08/26/97	9##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
77825 ALACHLOR WHOLE WATER,UG/L	06/25/87-08/26/97	9##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
81283 BENZENEHEXACHLORIDE (6H6CL6WHOLE WATER SAMPLE UG/L	07/27/81-08/26/97	9##	0.01	0.009	0.01	0.	0.	0.003	0.	0.01	0.01	0.01
81408 METRIBUZIN (SENCOR), WATER, WHOLE UG/L	06/25/87-08/26/97	9##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

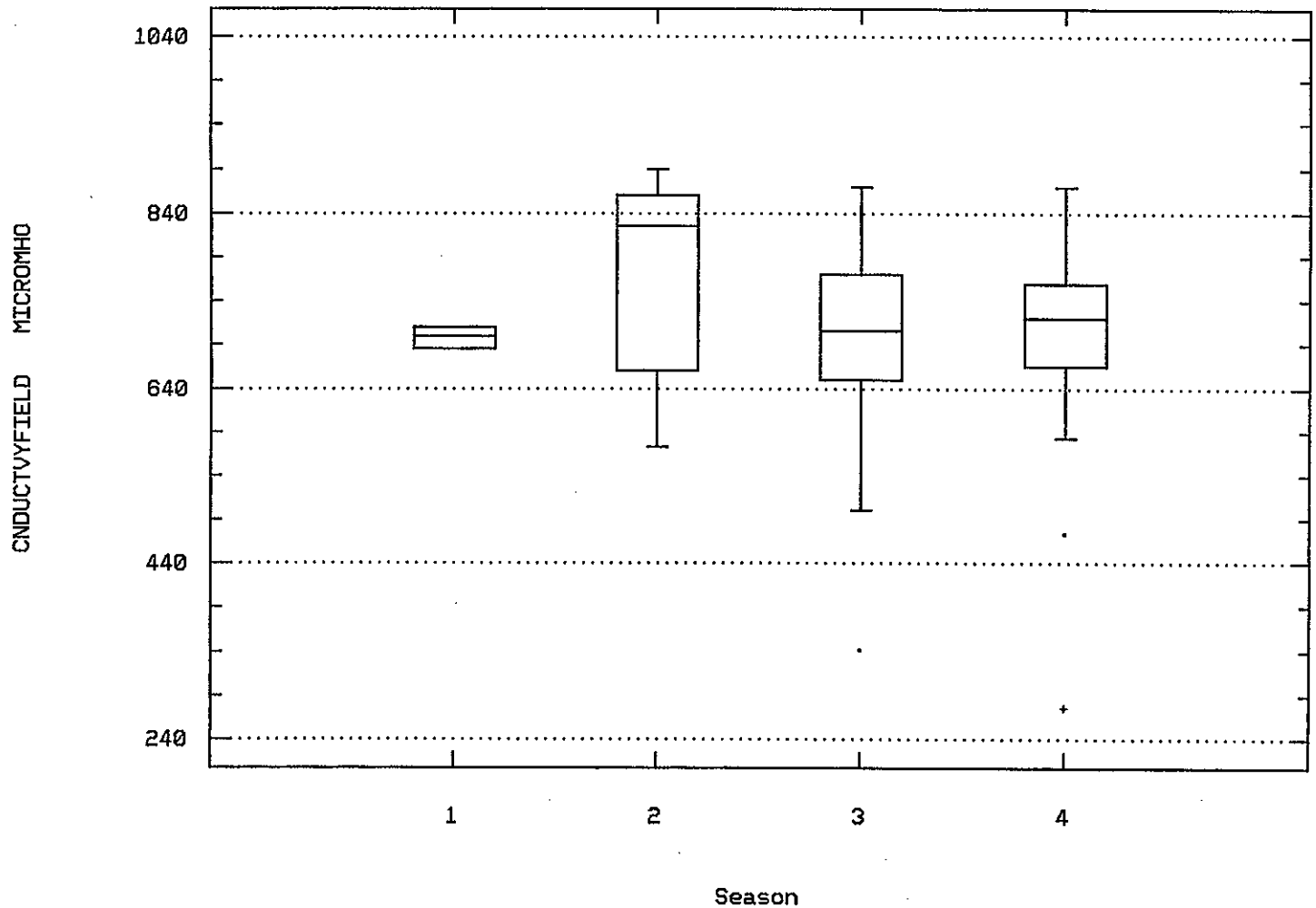
Station: MNRR0103 Parameter Code: 00076

TURBIDITY,HACH TURBIDIMETER (FORMAZIN T



Station: MNRR0103 Parameter Code: 00094

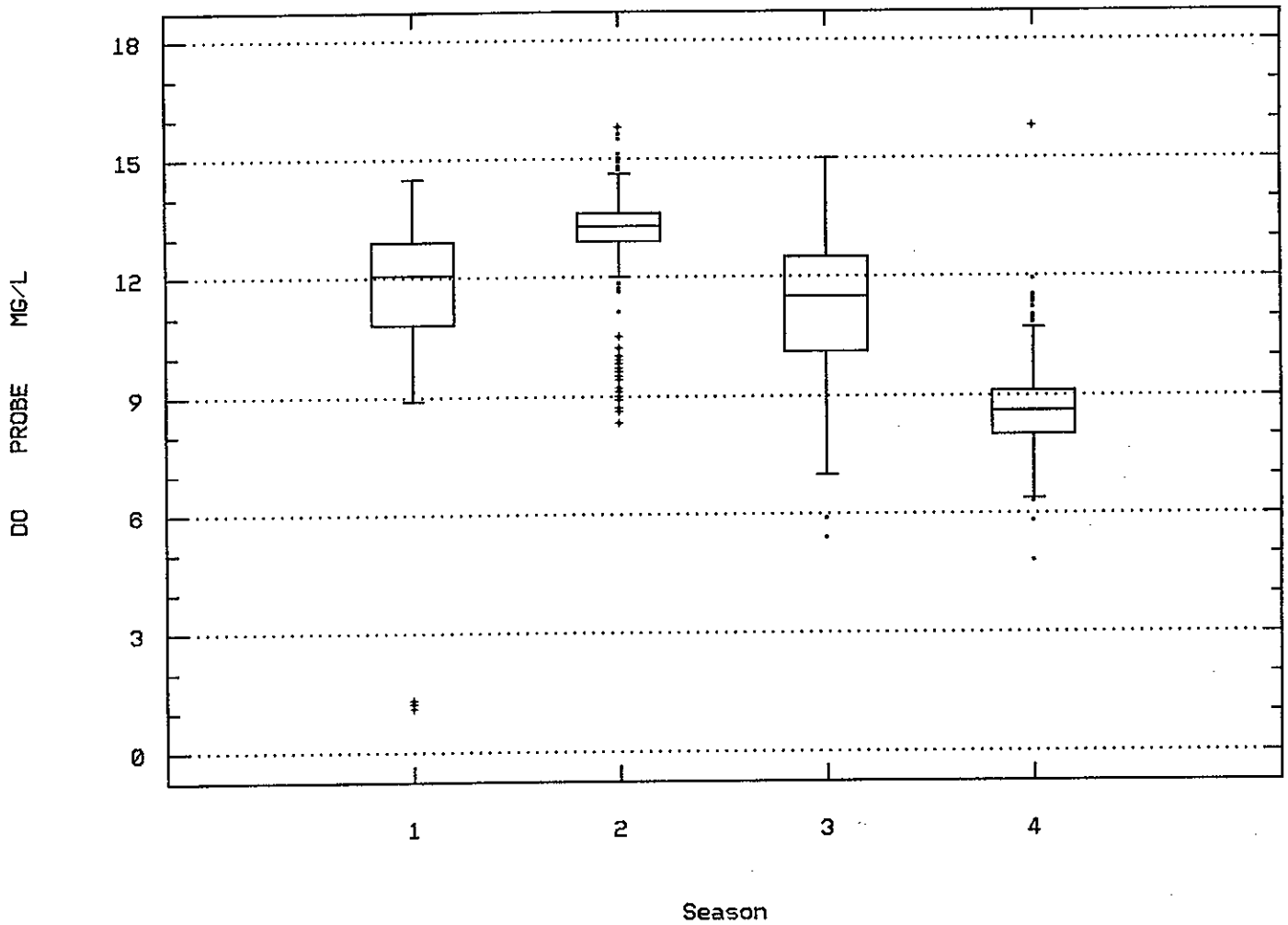
SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @



LAKE FRANCIS CASE RELEASES

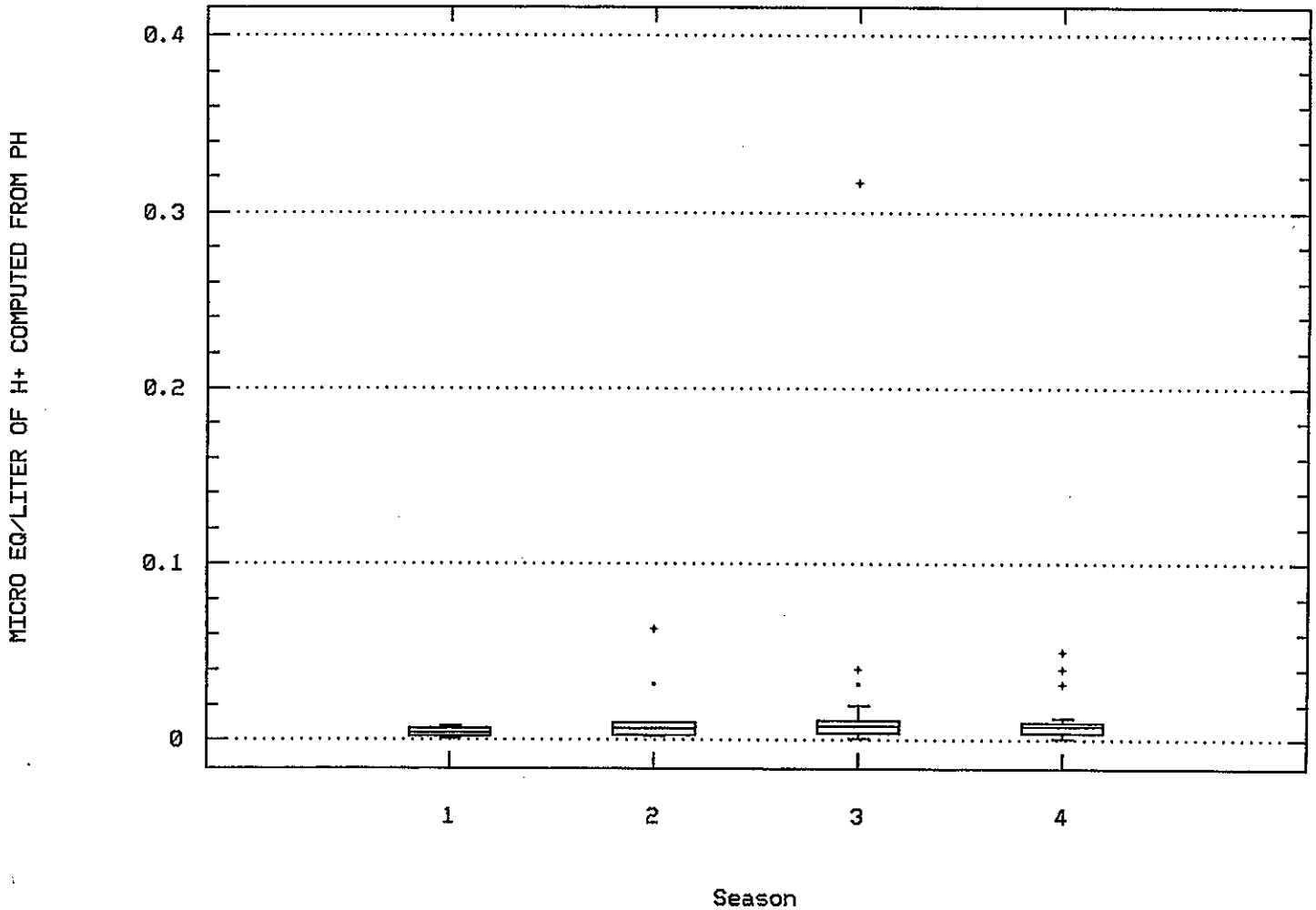
Station: MNRR0103 Parameter Code: 00299

OXYGEN ,DISSOLVED, ANALYSIS BY PROBE



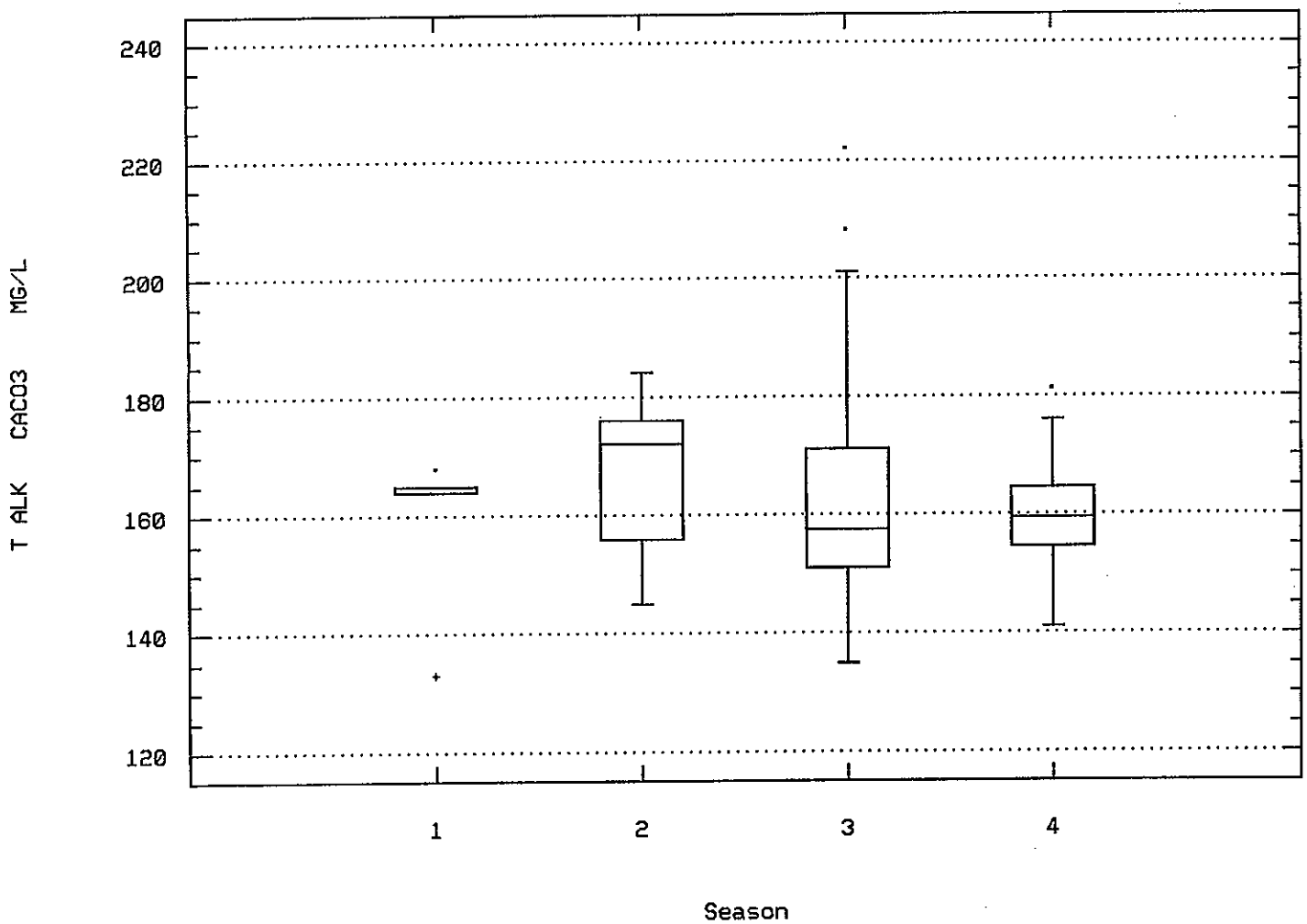
Station: MNRR0103 Parameter Code: 00400

MICRO EQ/LITER OF H+ COMPUTED FROM PH



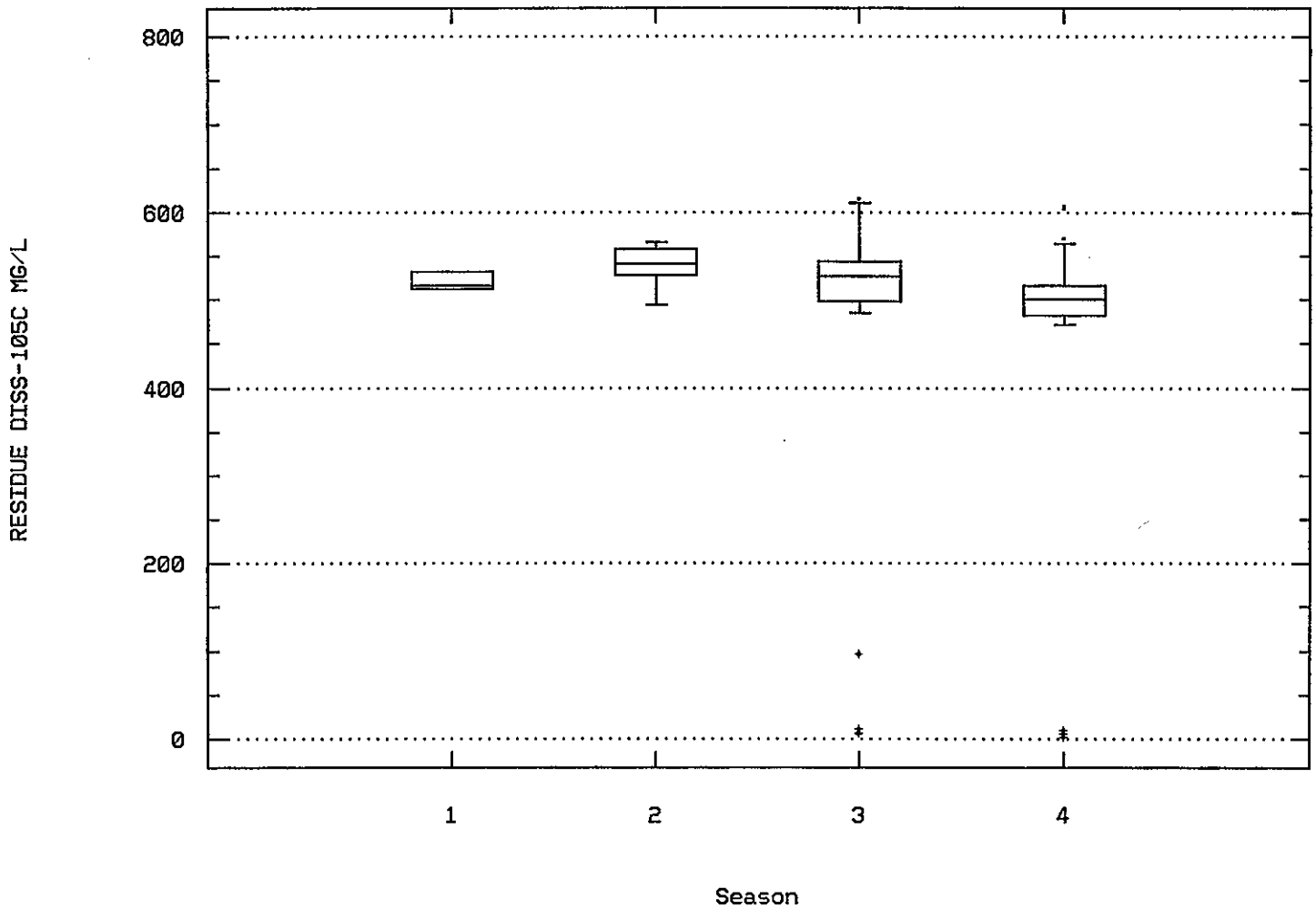
Station: MNRR0103 Parameter Code: 00410

ALKALINITY, TOTAL (MG/L AS CACO3)



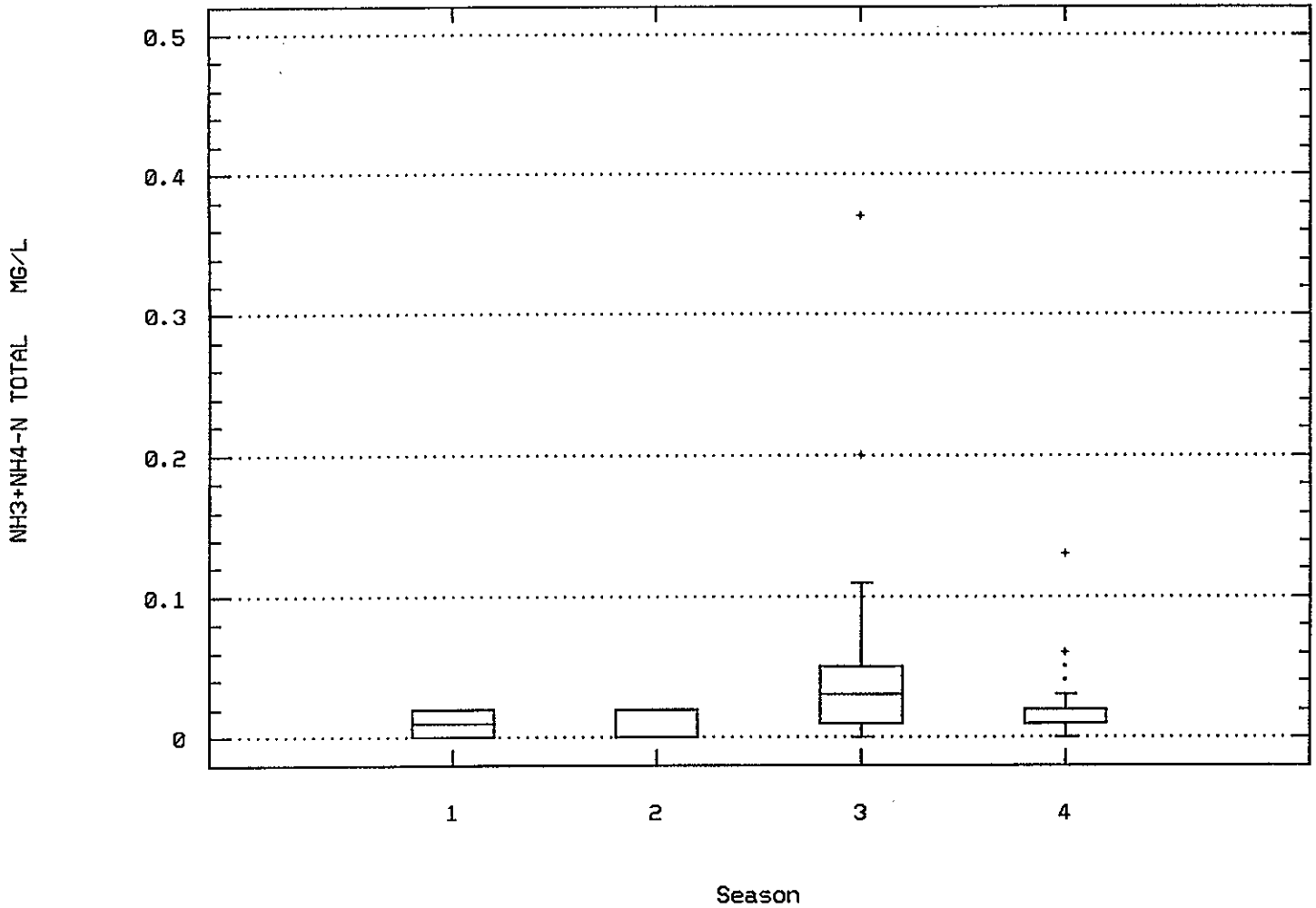
Station: MNRR0103 Parameter Code: 00515

RESIDUE, TOTAL FILTRABLE (DRIED AT 105



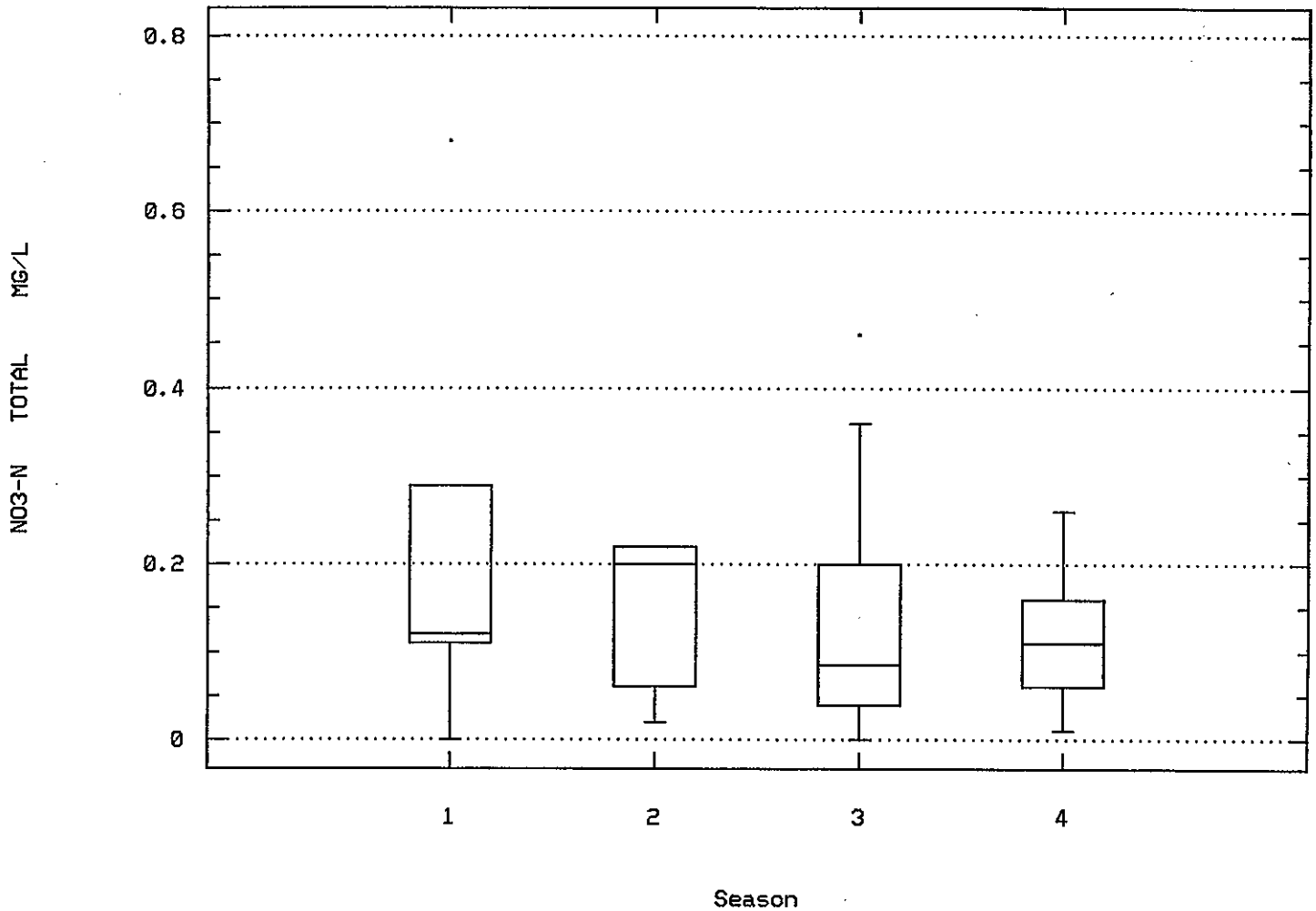
Station: MNRR0103 Parameter Code: 00610

NITROGEN, AMMONIA, TOTAL (MG/L AS N)



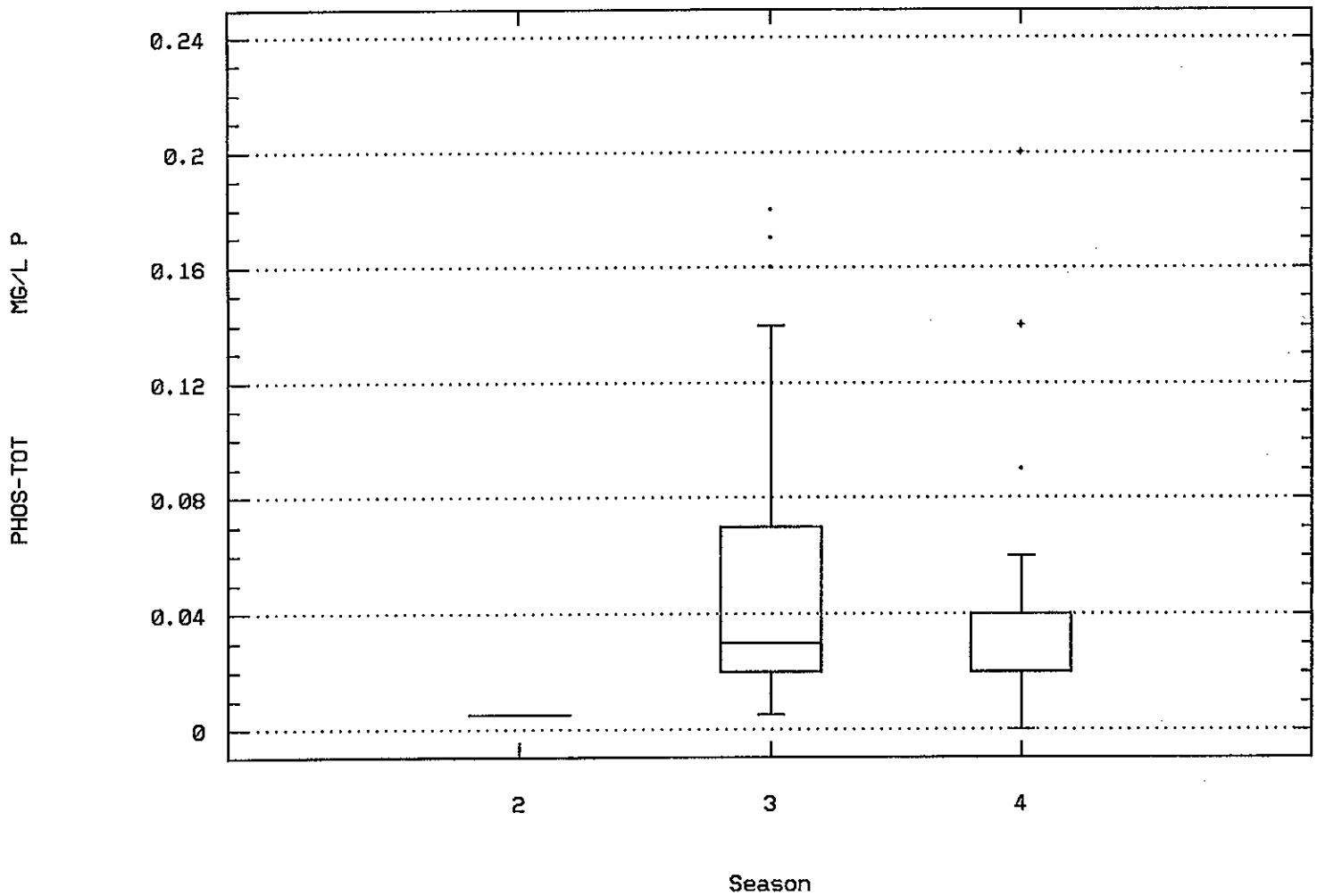
Station: MNRR0103 Parameter Code: 00620

NITRATE NITROGEN, TOTAL (MG/L AS N)



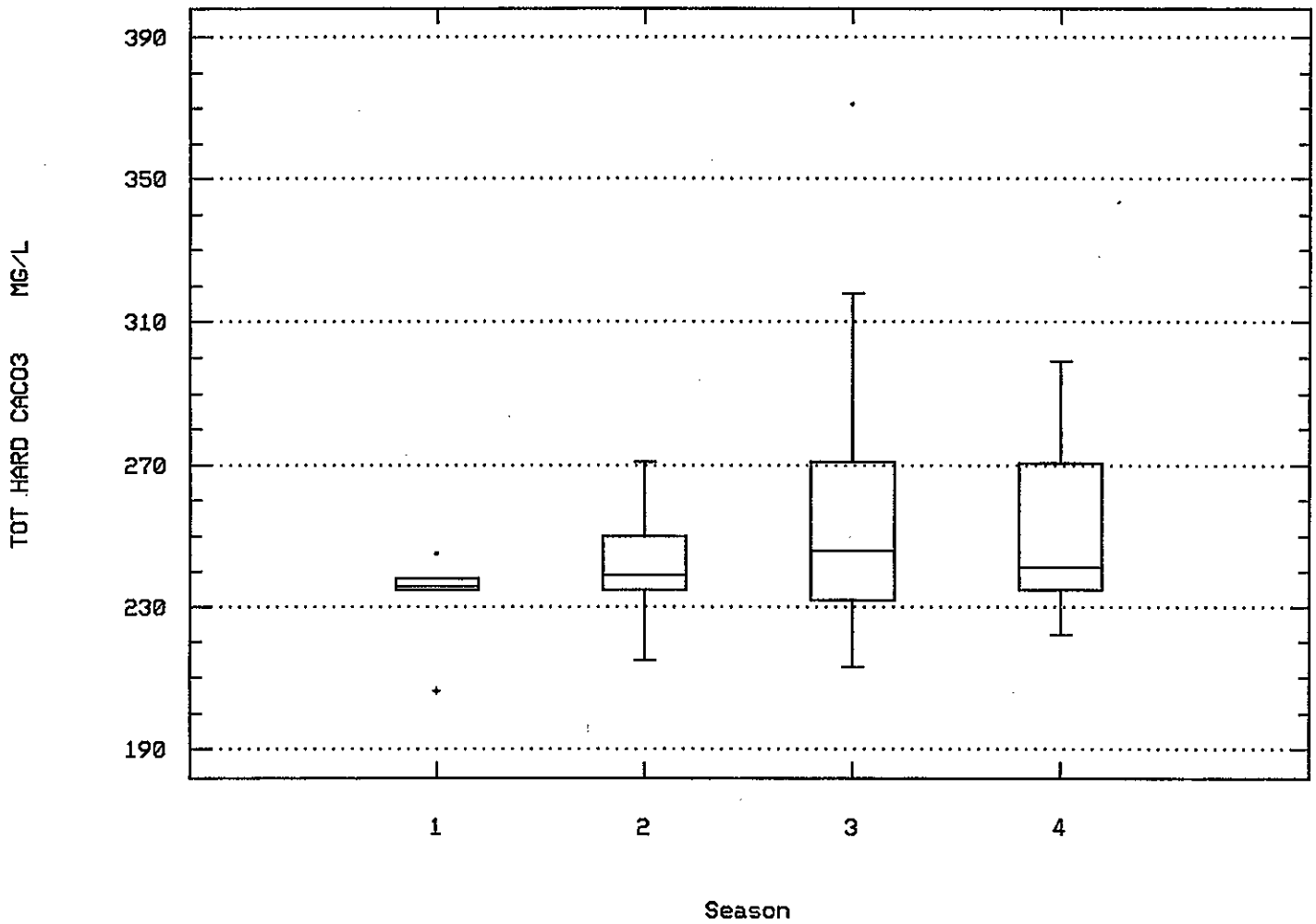
Station: MNRR0103 Parameter Code: 00665

PHOSPHORUS, TOTAL (MG/L AS P)



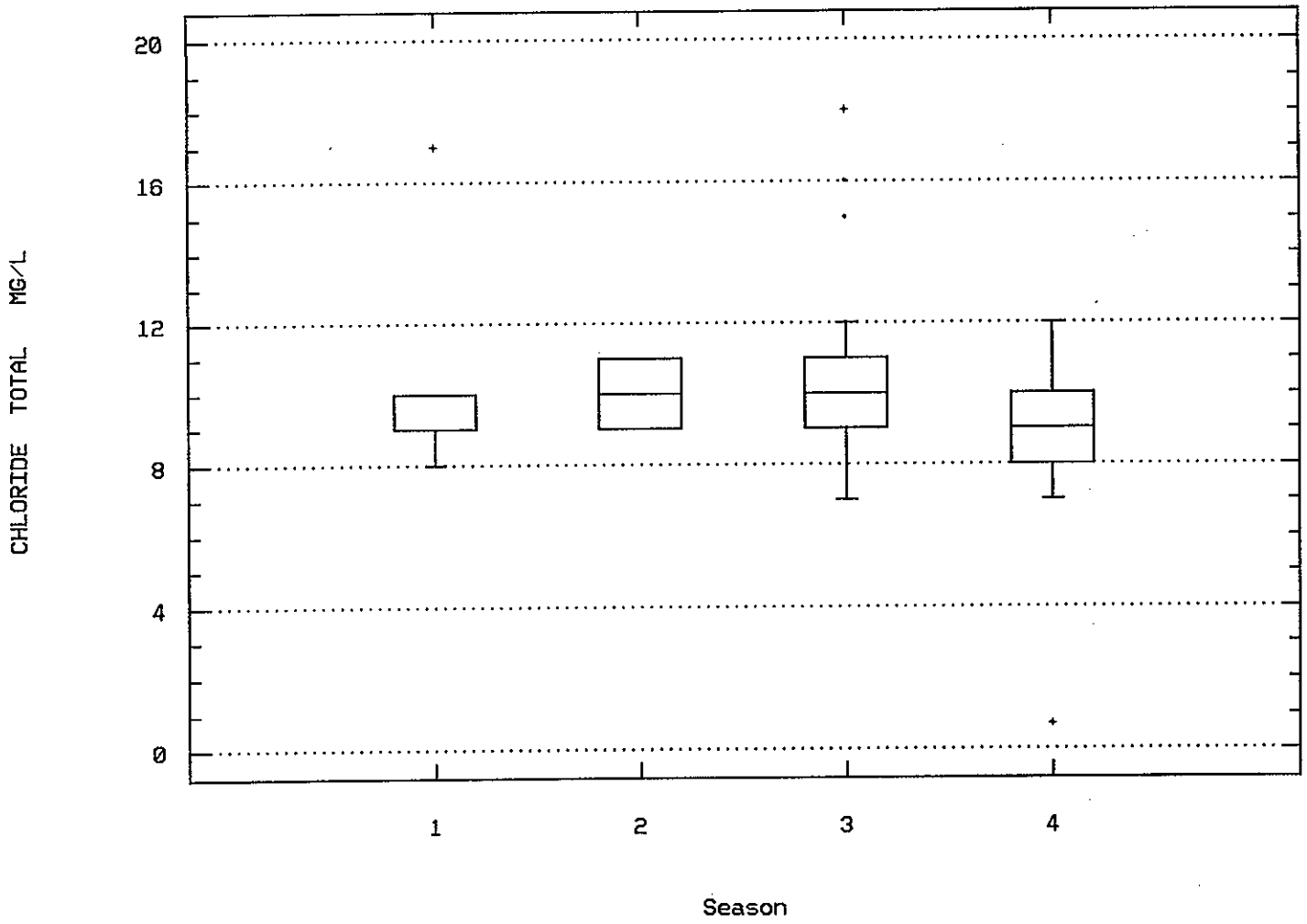
Station: MNRR0103 Parameter Code: 00900

HARDNESS, TOTAL (MG/L AS CACO3)



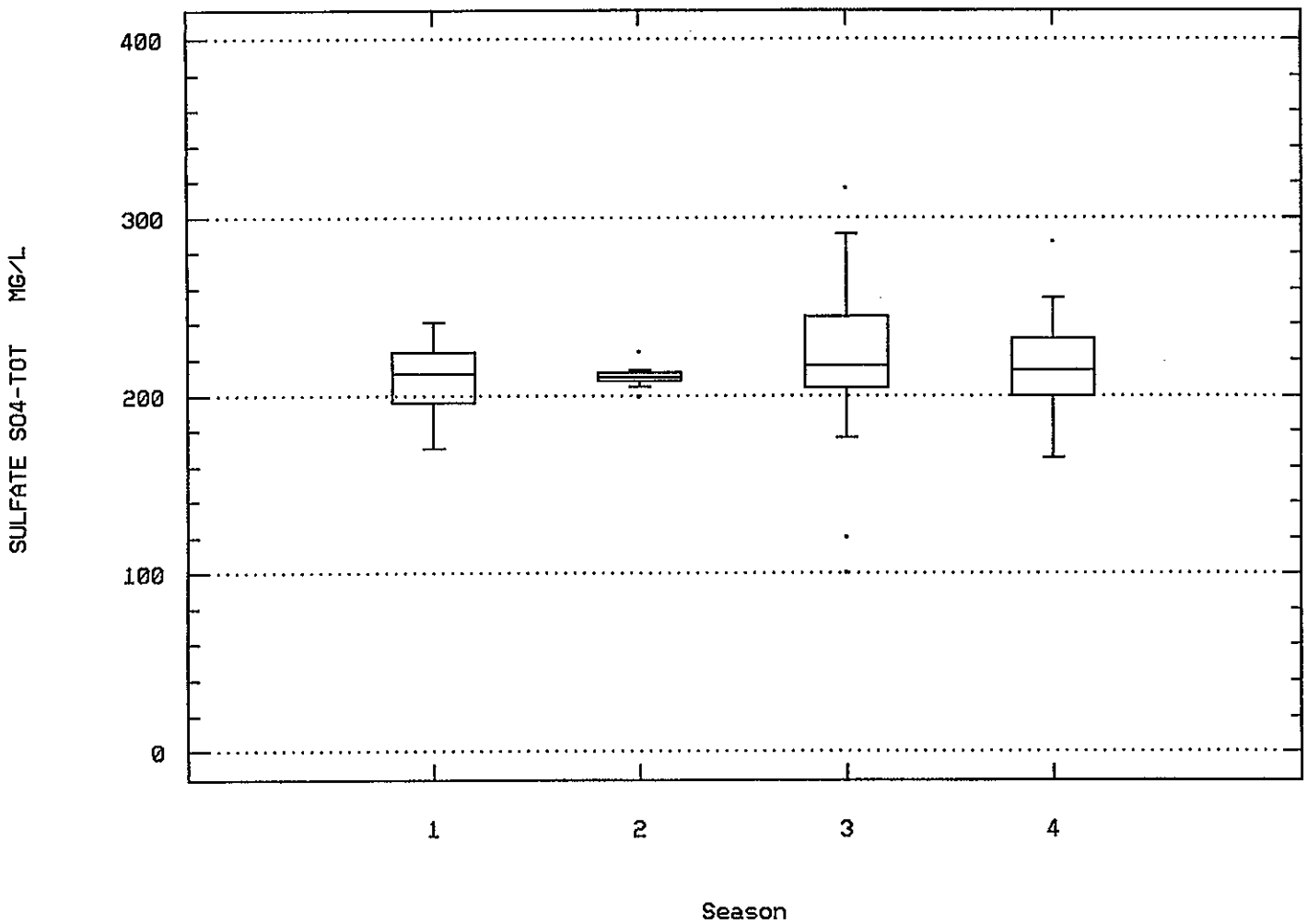
Station: MNRR0103 Parameter Code: 00940

CHLORIDE,TOTAL IN WATER



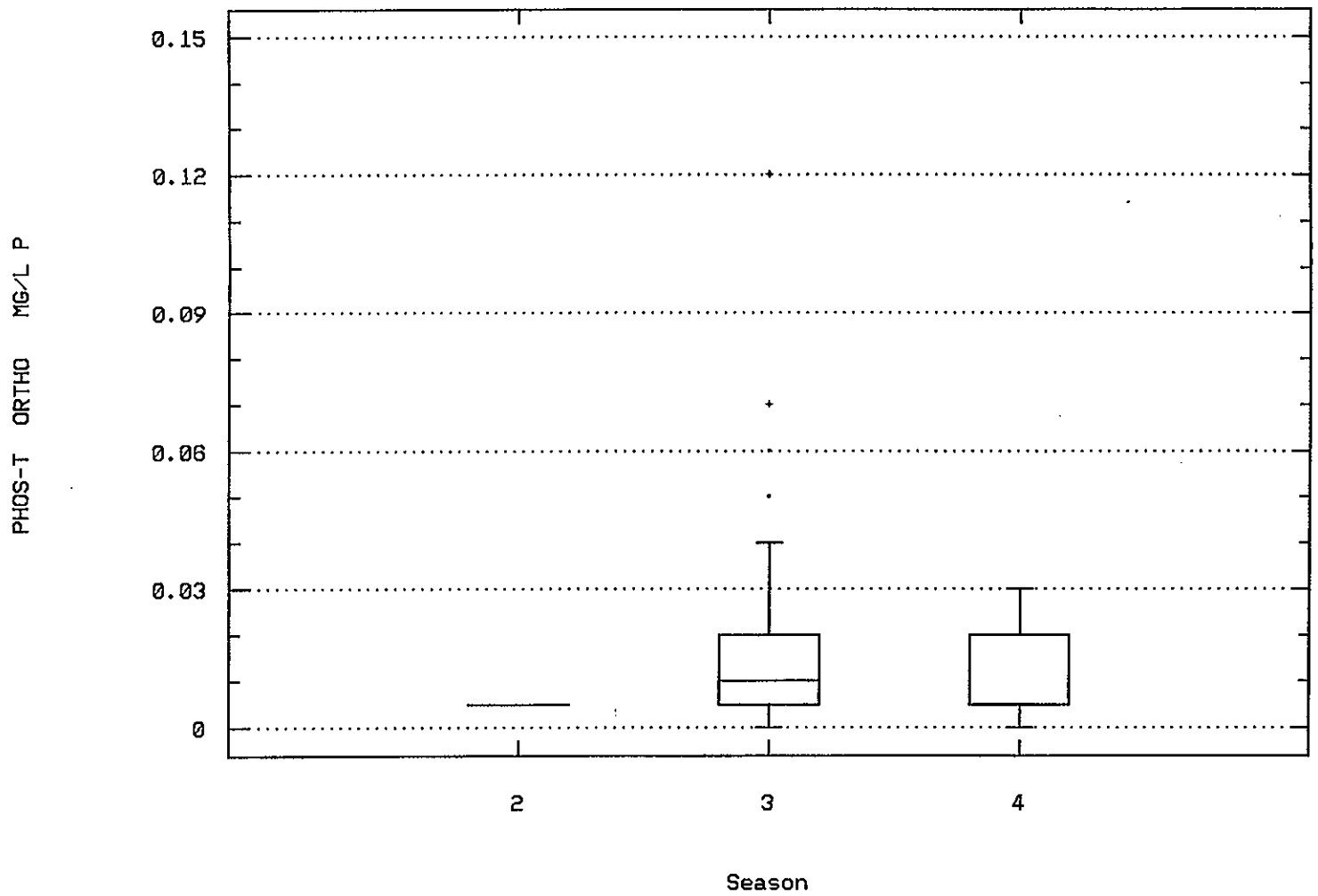
Station: MNRR0103 Parameter Code: 00945

SULFATE, TOTAL (MG/L AS SO4)



Station: MNRR0103 Parameter Code: 70507

PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/



Station Inventory for Station: MNRR0104

NPS Station ID: MNRR0104 LAT/LON: 43.109170/ -98.552226 Agency: 112WRD Date Created: 04/14/78
Location: 96N65W29BACC SVATOS FIPS State/County: 46023 SOUTH DAKOTA/CHARLES MIX
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 430633098330801
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 10140101 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 10140101 RF1 Mile Point: 0.000 Distance from RF1: 2.10 On/Off RF1:
RF3 Index: 10140101003503.53 RF3 Mile Point: 3.52 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: MNRR0104

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: MNRR0105

NPS Station ID: MNRR0105 LAT/LON: 43.065003/ -98.553059 Agency: 21SDAK01 Date Created: / /
Location: MISSOURI R. AT FORT RANDALL DAM FIPS State/County: 46023 SOUTH DAKOTA/CHARLES MIX
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 460673 /S.D. NO. 73
RMI-Indexes: 1021500 009490 Within Park Boundary: Yes
RMI-Miles: 1149.40 0879.80
HUC: 10170101 Depth of Water: 0 Aquifer:
Major Basin: MISSOURI RIVER BASIN Elevation: 0 Water Body Id:
Minor Basin: MISSOURI RIVER BASIN ECO Region:
RF1 Index: 10170101 RF1 Mile Point: 0.000 Distance from RF1: 1.50 On/Off RF1:
RF3 Index: 10140101000100.27 RF3 Mile Point: 0.26 Distance from RF3: 0.02 On/Off RF3:

Description:
MISSOURI RIVER AT FORT RANDALL DAM, SAMPLE OF GENERATOR INTAKE WATER. 4 03 54-98 33 11. T.95N., R.65W., NW1/4, NE1/4 SECTION 8. CHARLES MIX COUNTYK

Parameter Inventory for Station: MNRR0105

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		01/08/76-03/18/81	38	4.15	7.447	23.9	0.	50.548	7.11	1.59	2.8	10.425	21.27
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)		09/22/75-11/16/81	44	40.5	46.193	75.	29.	171.13	13.082	34.	37.	56.	71.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)		02/12/76-03/18/81	37	-8.9	6.395	23.3	-17.2	106.055	10.298	1.	4.15	18.05	15.86
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)		09/22/75-11/16/81	43	45.	44.535	74.	1.	361.636	19.017	15.4	33.	60.	69.2
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		11/25/75-01/08/76	2	68.	68.	68.	68.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		09/22/75-11/16/81	46	700.	723.435	900.	630.	4754.118	68.95	650.	673.75	773.75	845.3
00300	OXYGEN, DISSOLVED	MG/L	09/22/75-11/16/81	45	11.5	11.004	14.	7.5	4.664	2.16	7.86	8.7	13.05	13.5
00400	PH (STANDARD UNITS)		06/24/76-11/16/81	33	7.8	7.744	8.5	6.65	0.163	0.404	7.24	7.45	8.1	8.2
00400	CONVERTED PH (STANDARD UNITS)		06/24/76-11/16/81	33	7.8	7.538	8.5	6.65	0.207	0.455	7.24	7.45	8.1	8.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		06/24/76-11/16/81	33	0.016	0.029	0.224	0.003	0.002	0.04	0.006	0.008	0.036	0.058
00403	PH, LAB, STANDARD UNITS	SU	09/22/75-11/16/81	46	8.4	8.341	8.6	7.6	0.039	0.197	8.07	8.3	8.5	8.5
00403	CONVERTED PH, LAB, STANDARD UNITS		09/22/75-11/16/81	46	8.4	8.284	8.6	7.6	0.042	0.206	8.07	8.3	8.5	8.5
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		09/22/75-11/16/81	46	0.004	0.005	0.025	0.003	0.	0.004	0.003	0.003	0.005	0.009
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		09/22/75-08/18/77	24	153.	152.458	162.	140.	24.172	4.917	145.5	150.	155.	159.
00440	BICARBONATE ION (MG/L AS HCO3)		09/22/75-08/18/77	24	187.	186.042	198.	171.	36.303	6.025	177.5	183.	189.	194.
00500	RESIDUE, TOTAL (MG/L)		09/22/75-09/20/77	25	494.	497.6	606.	459.	748.667	27.362	473.6	483.	506.	521.2
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		09/22/75-11/16/81	46	488.	498.283	628.	445.	1339.941	36.605	461.5	473.75	507.5	556.7
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		09/22/75-11/16/81	45	8.	15.2	106.	0.	445.243	21.101	0.8	5.	20.	28.2
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)		10/15/75-11/16/81	21	0.03	0.033	0.05	0.01	0.	0.012	0.012	0.025	0.04	0.05
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		06/23/77-03/18/81	24	0.03	0.037	0.18	0.01	0.001	0.036	0.01	0.01	0.05	0.065
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)		01/19/77-03/18/81	29##	0.005	0.006	0.01	0.	0.	0.003	0.005	0.005	0.01	0.01
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		09/22/75-11/16/81	46##	0.075	0.227	0.5	0.03	0.045	0.212	0.05	0.05	0.5	0.5
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		11/16/81-11/16/81	1	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)		09/22/75-08/18/77	24	232.	240.417	422.	208.	1688.341	41.089	215.	228.25	235.75	263.5
00916	CALCIUM, TOTAL (MG/L AS CA)		09/22/75-08/18/77	24	56.5	57.463	77.5	51.8	22.91	4.786	52.45	56.	58.525	59.7
00927	MAGNESIUM, TOTAL (MG/L AS MG)		09/22/75-08/18/77	24	21.9	21.688	24.	18.7	1.24	1.114	19.85	21.15	22.4	22.6
00929	SODIUM, TOTAL (MG/L AS NA)		09/22/75-11/16/81	44	68.6	70.002	85.6	63.1	26.527	5.15	64.75	66.65	71.275	77.5
00937	POTASSIUM, TOTAL MG/L AS K)		09/22/75-08/18/77	24	4.65	4.692	5.1	4.2	0.055	0.234	4.35	4.525	4.9	5.
00940	CHLORIDE,TOTAL IN WATER	MG/L	09/22/75-11/16/81	45	12.	11.689	20.	6.	5.946	2.439	9.	10.	13.	15.
00945	SULFATE, TOTAL (MG/L AS SO4)		09/22/75-11/16/81	45	210.	212.756	257.	187.	261.962	16.185	195.2	201.	218.5	242.4
01055	MANGANESE, TOTAL (UG/L AS MN)		09/22/75-08/18/77	24	25.	35.	270.	10.	2626.087	51.245	10.	20.	30.	45.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		09/22/75-03/18/81	44##	1.5	3.42	80.	1.5	139.744	11.821	1.5	1.5	1.5	3.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		09/22/75-03/18/81	44##	0.176	0.243	1.903	0.176	0.073	0.271	0.176	0.176	0.176	0.477

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: MNRR0105

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		1.749								
31673 FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	09/22/75-09/20/77	25##	2.5	3.8	20.	2.5	17.771	4.216	2.5	2.5	2.5	9.
31673 LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	09/22/75-09/20/77	25##	0.398	0.477	1.301	0.398	0.056	0.238	0.398	0.398	0.398	0.89
31673 GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		GEOMETRIC MEAN =		3.001								
70506 PHOSPHATE,TOT SOL COLORIMETRIC METH (MG/L AS P)	11/16/81-11/16/81	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/22/75-03/18/81	44	0.008	0.016	0.2	0.001	0.001	0.032	0.003	0.003	0.016	0.026
74010 IRON, TOTAL (MG/L AS FE)	09/22/75-08/18/77	24	0.11	0.249	2.88	0.01	0.333	0.577	0.02	0.053	0.183	0.475

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: MNRR0105

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	45	0	0.00	11	0	0.00	11	0	0.00	12	0	0.00	11	0	0.00
00400 PH	Fresh Chronic	9.	33	0	0.00	6	0	0.00	9	0	0.00	9	0	0.00	9	0	0.00
	Other-Lo Lim.	6.5	33	0	0.00	6	0	0.00	9	0	0.00	9	0	0.00	9	0	0.00
00403 PH, LAB	Fresh Chronic	9.	46	0	0.00	11	0	0.00	12	0	0.00	12	0	0.00	11	0	0.00
	Other-Lo Lim.	6.5	46	0	0.00	11	0	0.00	12	0	0.00	12	0	0.00	11	0	0.00
00613 NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	29	0	0.00	7	0	0.00	11	0	0.00	8	0	0.00	3	0	0.00
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	46	0	0.00	11	0	0.00	12	0	0.00	12	0	0.00	11	0	0.00
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	45	0	0.00	10	0	0.00	12	0	0.00	12	0	0.00	11	0	0.00
	Drinking Water	250.	45	0	0.00	10	0	0.00	12	0	0.00	12	0	0.00	11	0	0.00
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	45	1	0.02	10	0	0.00	12	1	0.08	12	0	0.00	11	0	0.00
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	44	0	0.00	10	0	0.00	12	0	0.00	12	0	0.00	10	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 11/20 to 1/14 - Station MNRR0105

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)		09/22/75-11/16/81	11	39.	39.227	47.	29.	29.868	5.465	29.8	35.	42.5	46.8
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)		09/22/75-11/16/81	10	36.5	34.5	48.	15.	106.5	10.32	15.9	26.25	41.25	48.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		09/22/75-11/16/81	11	700.	730.727	900.	660.	5047.418	71.045	663.	680.	785.	880.2
00300	OXYGEN, DISSOLVED	MG/L	09/22/75-11/16/81	11	12.7	12.136	13.3	7.8	2.453	1.566	8.52	11.5	13.	13.28
00403	PH, LAB, STANDARD UNITS	SU	09/22/75-11/16/81	11	8.4	8.391	8.5	8.2	0.011	0.104	8.22	8.3	8.5	8.5
00403	CONVERTED PH, LAB, STANDARD UNITS		09/22/75-11/16/81	11	8.4	8.379	8.5	8.2	0.011	0.105	8.22	8.3	8.5	8.5
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		09/22/75-11/16/81	11	0.004	0.004	0.006	0.003	0.	0.001	0.003	0.003	0.005	0.006
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		09/22/75-11/16/81	11	502.	505.	554.	445.	1051.	32.419	451.2	480.	535.	553.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		09/22/75-11/16/81	11	12.	19.227	106.	0.5	872.668	29.541	0.8	5.	20.	89.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		09/22/75-11/16/81	11##	0.1	0.236	0.5	0.05	0.046	0.213	0.05	0.05	0.5	0.5
00929	SODIUM, TOTAL (MG/L AS NA)		09/22/75-11/16/81	10	69.6	70.09	75.8	66.	11.272	3.357	66.03	66.75	73.65	75.6
00940	CHLORIDE,TOTAL IN WATER	MG/L	09/22/75-11/16/81	10	12.	11.8	15.	8.	5.511	2.348	8.1	9.75	13.5	15.
00945	SULFATE, TOTAL (MG/L AS SO4)		09/22/75-11/16/81	10	214.	214.3	234.	196.	128.9	11.353	196.7	206.75	221.25	233.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 3/14 - Station MNRR0105

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)		09/22/75-11/16/81	12	36.5	36.583	40.	32.	7.174	2.678	32.	35.25	38.75	40.
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)		09/22/75-11/16/81	12	35.	30.333	60.	1.	364.061	19.08	2.8	9.25	43.75	58.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		09/22/75-11/16/81	12	755.	759.583	894.	670.	3966.811	62.983	679.	705.	800.75	868.8
00300	OXYGEN, DISSOLVED	MG/L	09/22/75-11/16/81	11	13.4	11.964	13.8	8.7	4.873	2.207	8.7	8.8	13.5	13.76
00403	PH, LAB, STANDARD UNITS	SU	09/22/75-11/16/81	12	8.35	8.267	8.5	7.8	0.041	0.202	7.86	8.2	8.4	8.47
00403	CONVERTED PH, LAB, STANDARD UNITS		09/22/75-11/16/81	12	8.347	8.217	8.5	7.8	0.043	0.208	7.86	8.2	8.4	8.47
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		09/22/75-11/16/81	12	0.004	0.006	0.016	0.003	0.	0.004	0.003	0.004	0.006	0.014
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		09/22/75-11/16/81	12	494.	512.833	628.	472.	2145.788	46.323	474.4	483.	527.75	612.7
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		09/22/75-11/16/81	12	5.	15.208	100.	0.5	757.339	27.52	0.65	1.75	17.25	76.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		09/22/75-11/16/81	12##	0.05	0.094	0.5	0.03	0.017	0.13	0.036	0.05	0.088	0.38
00929	SODIUM, TOTAL (MG/L AS NA)		09/22/75-11/16/81	11	70.9	72.045	83.5	66.6	24.945	4.994	66.84	68.	75.6	82.
00940	CHLORIDE,TOTAL IN WATER	MG/L	09/22/75-11/16/81	12	12.5	11.917	15.	8.	5.72	2.392	8.3	10.	14.	14.7
00945	SULFATE, TOTAL (MG/L AS SO4)		09/22/75-11/16/81	12	214.5	222.167	257.	200.	337.788	18.379	201.8	210.5	240.5	254.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 7/14 - Station MNRR0105

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)		09/22/75-11/16/81	12	44.	47.667	70.	37.	118.606	10.891	37.3	38.25	56.	67.9
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)		09/22/75-11/16/81	12	53.5	51.833	72.	25.	184.879	13.597	27.4	44.25	62.75	69.9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		09/22/75-11/16/81	12	680.	704.167	863.	630.	5377.242	73.33	636.	662.5	718.75	856.7
00300	OXYGEN, DISSOLVED	MG/L	09/22/75-11/16/81	12	11.55	11.183	14.	7.8	3.752	1.937	7.86	10.1	12.6	13.79
00403	PH, LAB, STANDARD UNITS	SU	09/22/75-11/16/81	12	8.3	8.225	8.4	7.6	0.055	0.234	7.72	8.125	8.4	8.4
00403	CONVERTED PH, LAB, STANDARD UNITS		09/22/75-11/16/81	12	8.3	8.148	8.4	7.6	0.061	0.247	7.72	8.125	8.4	8.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		09/22/75-11/16/81	12	0.005	0.007	0.025	0.004	0.	0.006	0.004	0.004	0.008	0.021
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		09/22/75-11/16/81	12	486.5	492.667	563.	456.	860.424	29.333	459.9	473.25	505.25	552.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		09/22/75-11/16/81	11	6.	10.364	27.	0.	96.055	9.801	0.	4.	19.	26.8
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		09/22/75-11/16/81	12##	0.175	0.25	0.5	0.05	0.047	0.216	0.05	0.05	0.5	0.5
00929	SODIUM, TOTAL (MG/L AS NA)		09/22/75-11/16/81	12	67.15	69.158	85.6	63.1	45.341	6.734	63.31	64.175	70.85	83.62
00940	CHLORIDE,TOTAL IN WATER	MG/L	09/22/75-11/16/81	12	11.5	11.75	20.	6.	12.023	3.467	6.9	10.	13.	18.5
00945	SULFATE, TOTAL (MG/L AS SO4)		09/22/75-11/16/81	12	204.	206.583	240.	191.	230.992	15.198	191.3	194.5	213.	236.7

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 7/15 to 11/19 - Station MNRR0105

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)		09/22/75-11/16/81	9	70.	65.556	75.	50.	79.278	8.904	50.	58.5	73.	75.
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)		09/22/75-11/16/81	9	65.	64.889	74.	53.	49.611	7.044	53.	58.5	71.	74.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		09/22/75-11/16/81	11	690.	697.727	853.	650.	3268.618	57.172	650.	650.	710.	825.4
00300	OXYGEN, DISSOLVED	MG/L	09/22/75-11/16/81	11	8.6	8.718	10.2	7.5	0.86	0.927	7.52	7.9	9.5	10.18
00403	PH, LAB, STANDARD UNITS	SU	09/22/75-11/16/81	11	8.5	8.5	8.6	8.4	0.006	0.077	8.4	8.4	8.6	8.6
00403	CONVERTED PH, LAB, STANDARD UNITS		09/22/75-11/16/81	11	8.5	8.494	8.6	8.4	0.006	0.078	8.4	8.4	8.6	8.6
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		09/22/75-11/16/81	11	0.003	0.003	0.004	0.003	0.	0.001	0.003	0.003	0.004	0.004
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		09/22/75-11/16/81	11	473.	481.818	571.	454.	1032.164	32.127	454.8	463.	483.	556.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		09/22/75-11/16/81	11	14.	16.	36.	5.	113.	10.63	5.	7.	22.	34.8
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		09/22/75-11/16/81	11##	0.5	0.336	0.5	0.05	0.052	0.227	0.05	0.05	0.5	0.5
00929	SODIUM, TOTAL (MG/L AS NA)		09/22/75-11/16/81	11	67.9	68.8	82.	64.5	22.056	4.696	64.76	66.	69.5	79.66
00940	CHLORIDE,TOTAL IN WATER	MG/L	09/22/75-11/16/81	11	11.	11.273	14.	10.	1.418	1.191	10.	10.	12.	13.6
00945	SULFATE, TOTAL (MG/L AS SO4)		09/22/75-11/16/81	11	205.	207.818	246.	187.	229.764	15.158	189.2	199.	215.	240.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: MNRR0106

NPS Station ID: MNRR0106 LAT/LON: 43.068003/ -98.553198 Agency: 121MBRCE Date Created: 06/30/79
Location: FORT RANDALL POWERHOUSE MONITOR FIPS State/County: 46023 SOUTH DAKOTA/CHARLES MIX
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 46FRM2
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 10140101 Depth of Water: 999 Aquifer:
Major Basin: MISSOURI RIVER Elevation: 0 Water Body Id:
Minor Basin: CENTRAL MISSOURI ECO Region:
RF1 Index: 10140101002 RF1 Mile Point: 1.360 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 10170101143103.16 RF3 Mile Point: 3.16 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: MNRR0106

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: MNRR0107

NPS Station ID: MNRR0107 LAT/LON: 43.065003/ -98.553059 Agency: 112WRD Date Created: / /
Location: MISSOURI RIVER AT FORT RANDALL DAM SD
FIPS State/County: 46023 SOUTH DAKOTA/CHARLES MIX
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 06453000
RMI-Indexes: 1021500 009490
Within Park Boundary: Yes
RMI-Miles: 1149.40 0879.80
HUC: 10170101 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 10170101 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 10170101013000.00 RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: MNRR0107

	Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/07/74-09/10/86	81	8.	9.756	25.	0.5	65.994	8.124	1.	2.25	17.25	22.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)		05/02/83-09/10/86	21	13.5	13.476	38.5	-20.	193.037	13.894	5.2	2.5	24.25	38.1
00025	BAROMETRIC PRESSURE (MM OF HG)		05/02/83-09/10/86	21	728.	729.238	748.	717.	58.19	7.628	718.4	724.	734.	739.6
00060	FLOW, STREAM, MEAN DAILY	CFS	05/22/80-05/22/80	1	33600.	33600.	33600.	33600.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS	CFS	10/07/74-09/10/86	81	32400.	31070.37	60000.	4000.	127547361.111	11293.687	15840.	21600.	38950.	43720.
00065	STAGE, STREAM (FEET)		05/02/83-09/10/86	6	1233.4	1233.192	1235.	1231.	2.328	1.526	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)		10/07/74-04/27/78	23	4.	6.696	55.	1.	118.312	10.877	2.	2.	6.	10.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		06/21/78-09/10/86	57	2.2	3.779	20.	0.3	18.34	4.283	0.9	1.4	4.25	10.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/07/74-09/10/86	79	770.	768.987	1000.	510.	8298.961	91.099	660.	720.	830.	880.
00300	OXYGEN, DISSOLVED	MG/L	10/27/77-09/10/86	55	11.	10.978	18.8	6.8	6.934	2.633	7.66	8.5	13.1	13.94
00400	PH (STANDARD UNITS)		10/07/74-09/10/86	79	8.2	8.204	12.3	7.2	0.35	0.591	7.7	7.9	8.5	8.6
00400	CONVERTED PH (STANDARD UNITS)		10/07/74-09/10/86	79	8.2	7.978	12.3	7.2	0.402	0.634	7.7	7.9	8.5	8.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/07/74-09/10/86	79	0.006	0.011	0.063	0.	0.	0.013	0.003	0.003	0.013	0.02
00403	PH, LAB, STANDARD UNITS	SU	10/20/80-09/10/86	36	8.3	8.306	8.5	7.6	0.029	0.169	8.1	8.2	8.4	8.5
00403	CONVERTED PH, LAB, STANDARD UNITS		10/20/80-09/10/86	36	8.3	8.262	8.5	7.6	0.03	0.175	8.1	8.2	8.4	8.5
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/20/80-09/10/86	36	0.005	0.005	0.025	0.003	0.	0.004	0.003	0.004	0.006	0.008
00405	CARBON DIOXIDE (MG/L AS CO2)		10/07/74-10/24/79	24	2.25	2.463	6.2	0.6	2.189	1.479	0.8	1.	3.725	4.4
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		10/07/74-07/09/86	54	160.	158.111	202.	90.	245.987	15.684	140.	150.	162.	173.
00417	ALKALINITY,FIXED ENDPOINT TITRATION, USGS LAB	MG/L	09/10/86-09/10/86	1	131.	131.	131.	131.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)		10/07/74-04/27/78	23	193.	188.87	205.	110.	369.573	19.224	171.2	189.	200.	201.2
00445	CARBONATE ION (MG/L AS CO3)		03/13/75-04/27/78	20	0.	0.05	1.	0.	0.05	0.224	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		04/22/80-08/24/81	8	10.	9.625	20.	0.	55.696	7.463	**	**	**	**
00572	BIOMASS, PERIPHYTON (GRAMS PER SQUARE METER)		03/13/75-03/13/75	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00573	BIOMASS, PERIPHYTON,DRY WEIGHT TOTAL (G/M2)		03/13/75-03/13/75	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)		10/07/74-05/20/81	46	0.435	0.573	3.7	0.05	0.3	0.548	0.201	0.318	0.627	0.93
00602	NITROGEN, DISSOLVED (MG/L AS N)		09/24/79-08/24/81	16	0.635	0.873	3.8	0.33	0.692	0.832	0.372	0.433	0.837	2.05
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)		09/19/77-11/20/85	31	0.36	0.512	3.6	0.1	0.393	0.627	0.132	0.2	0.54	0.856
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)		10/24/79-08/24/81	15	0.54	0.636	1.4	0.16	0.13	0.361	0.244	0.36	0.75	1.28
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)		10/24/79-09/10/86	45	0.05	0.083	0.43	0.005	0.007	0.085	0.01	0.03	0.115	0.214
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		09/19/77-09/10/86	40	0.03	0.035	0.12	0.005	0.001	0.028	0.01	0.01	0.04	0.08
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)		11/20/85-09/10/86	6##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)		10/27/77-08/24/81	32	0.35	0.451	1.5	0.01	0.123	0.351	0.133	0.213	0.6	1.144
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)		01/30/78-08/24/81	30	0.04	0.194	3.2	0.	0.342	0.584	0.	0.	0.145	0.488
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		10/07/74-09/10/86	77	0.4	0.519	3.6	0.02	0.218	0.467	0.19	0.28	0.595	0.92
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/07/74-08/24/81	50	0.08	0.081	0.17	0.01	0.002	0.042	0.02	0.05	0.12	0.129
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)		09/24/79-09/10/86	46	0.05	0.126	2.3	0.	0.11	0.332	0.044	0.05	0.1	0.2
00650	PHOSPHATE, TOTAL (MG/L AS PO4)		04/19/79-12/15/80	4	0.06	0.075	0.15	0.03	0.003	0.052	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)		03/02/82-01/28/83	5	0.06	0.06	0.09	0.03	0.001	0.03	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: MNRR0107

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665 PHOSPHORUS, TOTAL (MG/L AS P)	10/07/74-09/10/86	79	0.02	0.047	1.8	0.005	0.041	0.203	0.01	0.01	0.03	0.05
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)	09/19/77-09/10/86	63	0.01	0.018	0.1	0.	0.	0.018	0.005	0.005	0.02	0.04
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/19/81-09/10/86	30	0.01	0.018	0.06	0.005	0.	0.014	0.005	0.005	0.023	0.039
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	10/07/74-08/24/81	23	4.1	4.8	12.	2.7	5.032	2.243	2.88	3.3	5.3	8.4
00681 CARBON, DISSOLVED ORGANIC (MG/L AS C)	01/30/78-04/27/81	13	5.9	6.5	14.	3.4	9.228	3.038	3.48	3.9	7.85	12.4
00689 CARBON, SUSPENDED ORGANIC (MG/L AS C)	01/30/78-04/27/81	11	0.3	0.409	1.2	0.1	0.091	0.302	0.12	0.2	0.5	1.06
00900 HARDNESS, TOTAL (MG/L AS CACO3)	10/07/74-01/28/83	57	240.	244.912	280.	210.	268.296	16.38	220.	230.	260.	270.
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/07/74-12/15/80	45	87.	85.089	130.	44.	243.446	15.603	64.	75.	96.	100.
00915 CALCIUM, DISSOLVED (MG/L AS CA)	10/07/74-09/10/86	80	60.	67.325	600.	52.	3653.159	60.441	56.	58.	64.	66.
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	10/07/74-09/10/86	80	23.	23.213	27.	11.	5.056	2.248	21.	22.	24.75	26.
00930 SODIUM, DISSOLVED (MG/L AS NA)	10/07/74-09/10/86	80	74.	73.15	88.	57.	33.218	5.763	66.	69.	77.	81.
00931 SODIUM ADSORPTION RATIO	10/07/74-01/28/83	57	2.	2.049	2.5	1.7	0.032	0.179	1.8	1.9	2.2	2.3
00932 SODIUM, PERCENT	10/07/74-01/28/83	57	39.	39.474	52.	35.	14.325	3.785	36.	38.	40.	42.
00933 SODIUM,PLUS POTASSIUM (MG/L)	04/19/79-02/27/80	8	82.	81.875	90.	74.	20.411	4.518	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)	10/07/74-09/10/86	80	4.95	5.093	14.	2.5	1.287	1.134	4.5	4.7	5.2	5.7
00940 CHLORIDE,TOTAL IN WATER MG/L	10/07/74-09/10/86	80	11.	11.263	22.	6.	4.297	2.073	10.	10.	12.	13.
00945 SULFATE, TOTAL (MG/L AS SO4)	10/07/74-09/10/86	80	230.	229.75	280.	190.	615.127	24.802	200.	210.	250.	270.
00950 FLUORIDE, DISSOLVED (MG/L AS F)	10/07/74-09/10/86	80	0.5	0.489	0.6	0.2	0.005	0.067	0.4	0.5	0.5	0.6
00955 SILICA, DISSOLVED (MG/L AS SIO2)	10/07/74-09/10/86	80	5.5	6.516	80.	0.05	70.971	8.424	4.41	4.9	6.375	7.59
01000 ARSENIC, DISSOLVED (UG/L AS AS)	10/07/74-05/06/86	36	2.	2.	3.	1.	0.286	0.535	1.	2.	2.	3.
01001 ARSENIC, SUSPENDED (UG/L AS AS)	10/07/74-08/17/82	16	0.5	0.594	3.	0.	0.607	0.779	0.	0.	1.	1.6
01002 ARSENIC, TOTAL (UG/L AS AS)	10/07/74-08/17/82	21	2.	2.381	4.	1.	0.648	0.805	1.2	2.	3.	3.8
01005 BARIUM, DISSOLVED (UG/L AS BA)	01/30/78-05/06/86	32	42.	52.188	300.	34.	2076.157	45.565	38.3	40.	50.	50.
01006 BARIUM, SUSPENDED (UG/L AS BA)	01/30/78-01/18/82	14	0.	47.143	200.	0.	5191.209	72.05	0.	0.	70.	200.
01007 BARIUM, TOTAL (UG/L AS BA)	01/30/78-08/17/82	17##	50.	91.176	300.	0.	6948.529	83.358	0.	50.	150.	220.
01010 BERYLLIUM, DISSOLVED (UG/L AS BE)	11/15/82-05/06/86	15##	0.25	0.403	1.	0.25	0.081	0.285	0.25	0.25	0.5	1.
01025 CADMIUM, DISSOLVED (UG/L AS CD)	10/07/74-05/06/86	36##	0.5	1.181	23.	0.	14.245	3.774	0.	0.5	0.5	1.
01026 CADMIUM, SUSPENDED (UG/L AS CD)	10/07/74-01/30/80	12	0.5	2.	7.	0.	7.091	2.663	0.	0.	5.	6.4
01027 CADMIUM, TOTAL (UG/L AS CD)	10/07/74-08/17/82	21##	1.	3.857	23.	0.	36.179	6.015	0.	0.25	10.	10.
01030 CHROMIUM, DISSOLVED (UG/L AS CR)	10/07/74-05/06/86	36##	0.5	1.375	10.	0.	6.863	2.62	0.	0.	0.5	5.
01031 CHROMIUM, SUSPEND (UG/L AS CR)	10/07/74-04/27/81	17	0.	1.765	10.	0.	15.441	3.93	0.	0.	0.	10.
01034 CHROMIUM, TOTAL (UG/L AS CR)	10/07/74-08/17/82	21##	0.	3.81	10.	0.	22.262	4.718	0.	0.	10.	10.
01035 COBALT, DISSOLVED (UG/L AS CO)	10/07/74-05/06/86	36##	1.5	1.167	2.	0.	0.4	0.632	0.	0.75	1.5	1.5
01036 COBALT, SUSPENDED (UG/L AS CO)	10/07/74-01/30/80	12	0.	6.333	25.	0.	126.788	11.26	0.	0.	19.	25.
01037 COBALT, TOTAL (UG/L AS CO)	10/07/74-08/17/82	21##	1.	10.262	50.	0.	391.24	19.78	0.	0.	3.5	50.
01040 COPPER, DISSOLVED (UG/L AS CU)	10/07/74-05/06/86	36	2.	2.333	10.	0.	4.957	2.226	0.	0.625	3.	6.
01041 COPPER, SUSPENDED (UG/L AS CU)	10/07/74-08/17/82	20	2.5	4.5	29.	0.	43.842	6.621	0.1	1.	4.	12.7
01042 COPPER, TOTAL (UG/L AS CU)	10/07/74-08/17/82	21	5.	6.952	30.	1.	37.548	6.128	3.	3.5	10.	12.4
01044 IRON, SUSPENDED (UG/L AS FE)	07/11/78-07/13/82	10	130.	130.	240.	20.	5800.	76.158	22.	55.	205.	238.
01045 IRON, TOTAL (UG/L AS FE)	10/07/74-08/17/82	22	130.	206.364	1800.	30.	132138.528	363.509	33.	67.5	187.5	280.
01046 IRON, DISSOLVED (UG/L AS FE)	10/07/74-05/06/86	36	5.	9.486	80.	0.	201.207	14.185	1.5	4.25	9.	20.
01049 LEAD, DISSOLVED (UG/L AS PB)	10/07/74-05/06/86	36	1.	2.778	20.	0.	15.706	3.963	0.	0.5	3.75	7.2
01050 LEAD, SUSPENDED (UG/L AS PB)	10/07/74-07/13/82	19	2.	9.316	50.	0.	313.811	17.715	0.	0.	5.	48.5
01051 LEAD, TOTAL (UG/L AS PB)	10/07/74-08/17/82	21	6.	23.548	100.	0.	1471.398	38.359	0.1	2.	18.5	100.
01054 MANGANESE, SUSPENDED (UG/L AS MN)	10/07/74-08/17/82	21	20.	22.857	120.	0.	791.429	28.132	0.	10.	20.	68.
01055 MANGANESE, TOTAL (UG/L AS MN)	10/07/74-08/17/82	21	20.	50.952	280.	5.	4484.048	66.963	5.	20.	60.	170.
01056 MANGANESE, DISSOLVED (UG/L AS MN)	10/07/74-05/06/86	36	16.	33.25	220.	2.	2313.279	48.097	2.7	5.	40.	104.8
01060 MOLYBDENUM, DISSOLVED (UG/L AS MO)	11/15/82-05/06/86	15##	5.	6.	20.	5.	15.	3.873	5.	5.	5.	11.
01065 NICKEL, DISSOLVED (UG/L AS NI)	10/24/79-05/06/86	25	4.	4.8	14.	0.	10.667	3.266	0.6	3.	6.	10.4
01066 NICKEL, SUSPENDED (UG/L AS NI)	10/24/79-08/17/82	10	2.5	2.4	6.	0.	5.822	2.413	0.	0.	4.5	6.
01067 NICKEL, TOTAL (UG/L AS NI)	10/24/79-08/17/82	10	5.	6.	14.	3.	9.556	3.091	3.1	4.	7.	13.3
01075 SILVER, DISSOLVED (UG/L AS AG)	01/30/78-05/06/86	32##	0.5	0.359	2.	0.	0.165	0.406	0.	0.	0.5	0.5
01076 SILVER, SUSPENDED (UG/L AS AG)	01/30/78-01/18/82	14	0.	0.357	2.	0.	0.555	0.745	0.	0.	0.25	2.
01077 SILVER, TOTAL (UG/L AS AG)	01/30/78-08/17/82	19	0.	0.5	2.	0.	0.556	0.745	0.	0.	1.	2.
01080 STRONTIUM, DISSOLVED (UG/L AS SR)	11/15/82-05/06/86	15	590.	598.	660.	550.	717.143	26.78	562.	580.	620.	642.
01085 VANADIUM, DISSOLVED (UG/L AS V)	11/15/82-05/06/86	15##	3.	3.	3.	3.	0.	0.	3.	3.	3.	3.
01090 ZINC, DISSOLVED (UG/L AS ZN)	10/07/74-05/06/86	36	7.	7.431	21.	0.	22.674	4.762	1.5	4.25	10.	11.6
01091 ZINC, SUSPENDED (UG/L ZN)	10/07/74-08/17/82	21	3.	7.667	30.	0.	94.433	9.718	0.	0.	20.	20.
01092 ZINC, TOTAL (UG/L AS ZN)	10/07/74-08/17/82	21	10.	14.048	40.	5.	59.048	7.684	10.	10.	20.	20.
01106 ALUMINUM, DISSOLVED (UG/L AS AL)	11/15/82-05/06/86	15##	5.	9.333	30.	5.	49.524	7.037	5.	5.	10.	24.
01130 LITHIUM, DISSOLVED (UG/L AS LI)	11/15/82-05/06/86	15	58.	59.133	71.	52.	41.124	6.413	52.	53.	66.	69.8
01145 SELENIUM, DISSOLVED (UG/L AS SE)	10/07/74-05/06/86	36	2.	1.583	2.	0.5	0.293	0.541	1.	1.	2.	2.
01146 SELENIUM, SUSPENDED (UG/L AS SE)	10/07/74-08/17/82	21	0.	0.19	1.	0.	0.162	0.402	0.	0.	0.	1.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: MNRR0107

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01147 SELENIUM, TOTAL (UG/L AS SE)	10/07/74-08/17/82	21	2.	1.5	3.	0.	0.5	0.707	0.6	1.	2.	2.
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/11/75-09/17/76	10##	0.	0.3	1.	0.	0.233	0.483	0.	0.	1.	1.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/11/75-09/17/76	10##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		1.								
31625 FECAL COLIFORM, MF,M-FC, 0.7 UM	01/20/77-09/10/86	62	1.	3.694	53.	0.	73.429	8.569	0.	0.5	2.25	7.4
31625 LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	01/20/77-09/10/86	62	0.	0.237	1.724	-0.301	0.202	0.45	0.	-0.301	0.345	0.866
31625 GM FECAL COLIFORM, MF,M-FC, 0.7 UM		GEOMETRIC MEAN =		1.724								
31673 FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/20/77-09/10/86	61	3.	19.697	200.	0.	1070.919	32.725	0.	1.	33.	58.8
31673 LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/20/77-09/10/86	61	0.477	0.737	2.301	-0.301	0.555	0.745	0.	0.	1.518	1.769
31673 GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		GEOMETRIC MEAN =		5.456								
31679 FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	02/11/75-09/17/76	10##	0.	0.7	5.	0.	2.456	1.567	0.	0.	1.	4.6
31679 LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	02/11/75-09/17/76	10##	0.	0.07	0.699	0.	0.049	0.221	0.	0.	0.	0.629
31679 GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4		GEOMETRIC MEAN =		1.175								
32226 CHLOROPHYLL B, PERIPHYTON, SPECTRO, MG/M2	03/13/75-03/13/75	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
32228 CHLOROPHYLL A, PERIPHYTON, SPECTRO, MG/M2	03/13/75-03/13/75	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
60050 ALGAE, TOTAL (CELLS/ML)	10/07/74-05/20/81	25	360.	634.96	2900.	8.	531110.79	728.773	55.8	225.	725.	1940.
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/07/74-09/10/86	80	510.	511.688	607.	424.	1416.699	37.639	464.1	488.25	533.25	561.8
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/07/74-03/19/86	56	488.	499.821	593.	431.	1790.84	42.318	450.7	465.25	536.5	569.
70302 SOLIDS, DISSOLVED-TONS PER DAY	10/07/74-01/28/83	57	45600.	44131.053	81500.	5370.	238050141.729	15428.874	20700.	32650.	54300.	60700.
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/07/74-01/28/83	57	0.69	0.69	0.83	0.58	0.003	0.056	0.616	0.65	0.725	0.762
70331 SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	01/20/77-09/10/86	51	94.	90.529	100.	56.	123.214	11.1	77.2	86.	98.	100.
70342 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	05/22/80-04/27/81	4	92.	86.	100.	60.	315.333	17.758	**	**	**	**
70343 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	05/22/80-02/25/81	3	94.	89.667	97.	78.	104.333	10.214	**	**	**	**
70344 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	05/22/80-02/25/81	3	98.	96.	100.	90.	28.	5.292	**	**	**	**
70345 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	05/22/80-01/26/81	2	100.	100.	100.	100.	0.	0.	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/22/80-08/24/81	8	0.02	0.023	0.05	0.	0.	0.017	**	**	**	**
71845 NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	04/19/79-12/15/80	13	0.02	0.032	0.1	0.01	0.001	0.026	0.01	0.01	0.04	0.084
71846 NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/24/79-11/20/85	24	0.08	0.12	0.55	0.01	0.015	0.122	0.01	0.04	0.173	0.28
71886 PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/19/79-11/20/85	33	0.06	0.1	0.67	0.	0.013	0.115	0.03	0.045	0.12	0.18
71887 NITROGEN, TOTAL, AS NO3 - MG/L	10/07/74-05/20/81	46	1.9	2.526	16.	0.2	5.718	2.391	0.87	1.4	2.75	4.1
71890 MERCURY, DISSOLVED (UG/L AS HG)	10/07/74-05/06/86	36##	0.05	0.129	1.6	0.	0.07	0.264	0.	0.05	0.1	0.25
71895 MERCURY, SUSPENDED (UG/L AS HG)	10/07/74-07/13/82	19	0.	0.047	0.4	0.	0.01	0.102	0.	0.	0.1	0.2
71900 MERCURY, TOTAL (UG/L AS HG)	10/07/74-08/17/82	21##	0.1	0.131	0.4	0.	0.013	0.116	0.	0.05	0.25	0.29
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/07/74-09/10/86	67	54.	55.925	175.	3.	1284.585	35.841	9.6	30.	73.	102.
80155 SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/07/74-08/24/81	46	5249.995	6072.824	14900.	670.	11577495.945	3402.572	2676.	3322.5	7800.	11420.
82068 POTASSIUM 40, DISSOLVED, K-40 PC/LITER	01/26/81-05/20/81	4	3.5	3.525	3.7	3.4	0.016	0.126	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: MNRR0107

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	23	1	0.04	1	0	0.00	7	0	0.00	6	1	0.17	9	0	0.00
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	57	0	0.00	6	0	0.00	10	0	0.00	19	0	0.00	22	0	0.00
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	55	0	0.00	5	0	0.00	8	0	0.00	21	0	0.00	21	0	0.00
00400 PH	Fresh Chronic	9.	79	1	0.01	7	0	0.00	18	1	0.06	25	0	0.00	29	0	0.00
	Other-Lo Lim.	6.5	79	0	0.00	7	0	0.00	18	0	0.00	25	0	0.00	29	0	0.00
00403 PH, LAB	Fresh Chronic	9.	36	0	0.00	4	0	0.00	6	0	0.00	11	0	0.00	15	0	0.00
	Other-Lo Lim.	6.5	36	0	0.00	4	0	0.00	6	0	0.00	11	0	0.00	15	0	0.00
00613 NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	6	0	0.00	2	0	0.00				3	0	0.00	1	0	0.00
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	50	0	0.00	4	0	0.00	13	0	0.00	15	0	0.00	18	0	0.00
00631 NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	46	0	0.00	6	0	0.00	9	0	0.00	15	0	0.00	16	0	0.00
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	80	0	0.00	7	0	0.00	17	0	0.00	25	0	0.00	31	0	0.00
	Drinking Water	250.	80	0	0.00	7	0	0.00	17	0	0.00	25	0	0.00	31	0	0.00
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	80	24	0.30	7	2	0.29	17	7	0.41	25	6	0.24	31	9	0.29
00950 FLUORIDE, DISSOLVED AS F	Drinking Water	4.	80	0	0.00	7	0	0.00	17	0	0.00	25	0	0.00	31	0	0.00
01000 ARSENIC, DISSOLVED	Fresh Acute	360.	36	0	0.00	1	0	0.00	7	0	0.00	15	0	0.00	13	0	0.00
	Drinking Water	50.	36	0	0.00	1	0	0.00	7	0	0.00	15	0	0.00	13	0	0.00
01001 ARSENIC, SUSPENDED	Fresh Acute	360.	16	0	0.00				5	0	0.00	6	0	0.00	5	0	0.00
	Drinking Water	50.	16	0	0.00				5	0	0.00	6	0	0.00	5	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: MNRR0107

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
01002 ARSENIC, TOTAL	Fresh Acute	360.	21	0	0.00				6	0	0.00	8	0	0.00	7	0	0.00
	Drinking Water	50.	21	0	0.00				6	0	0.00	8	0	0.00	7	0	0.00
01005 BARIUM, DISSOLVED	Drinking Water	2000.	32	0	0.00	1	0	0.00	6	0	0.00	13	0	0.00	12	0	0.00
01006 BARIUM, SUSPENDED	Drinking Water	2000.	14	0	0.00				5	0	0.00	5	0	0.00	4	0	0.00
01007 BARIUM, TOTAL	Drinking Water	2000.	17	0	0.00				5	0	0.00	6	0	0.00	6	0	0.00
01010 BERYLLIUM, DISSOLVED	Fresh Acute	130.	15	0	0.00	1	0	0.00	1	0	0.00	7	0	0.00	6	0	0.00
	Drinking Water	4.	15	0	0.00	1	0	0.00	1	0	0.00	7	0	0.00	6	0	0.00
01025 CADMIUM, DISSOLVED	Fresh Acute	3.9	36	1	0.03	1	0	0.00	7	0	0.00	15	1	0.07	13	0	0.00
	Drinking Water	5.	36	1	0.03	1	0	0.00	7	0	0.00	15	1	0.07	13	0	0.00
01026 CADMIUM, SUSPENDED	Fresh Acute	3.9	9&	1	0.11				3	0	0.00	3	1	0.33	3	0	0.00
	Drinking Water	5.	9&	1	0.11				3	0	0.00	3	1	0.33	3	0	0.00
01027 CADMIUM, TOTAL	Fresh Acute	3.9	16&	1	0.06				5	0	0.00	5	1	0.20	6	0	0.00
	Drinking Water	5.	16&	1	0.06				5	0	0.00	5	1	0.20	6	0	0.00
01030 CHROMIUM, DISSOLVED	Drinking Water	100.	36	0	0.00	1	0	0.00	7	0	0.00	15	0	0.00	13	0	0.00
01031 CHROMIUM, SUSPENDED	Drinking Water	100.	17	0	0.00				5	0	0.00	7	0	0.00	5	0	0.00
01034 CHROMIUM, TOTAL	Drinking Water	100.	21	0	0.00				6	0	0.00	8	0	0.00	7	0	0.00
01040 COPPER, DISSOLVED	Fresh Acute	18.	36	0	0.00	1	0	0.00	7	0	0.00	15	0	0.00	13	0	0.00
	Drinking Water	1300.	36	0	0.00	1	0	0.00	7	0	0.00	15	0	0.00	13	0	0.00
01041 COPPER, SUSPENDED	Fresh Acute	18.	20	1	0.05				6	0	0.00	7	1	0.14	7	0	0.00
	Drinking Water	1300.	20	0	0.00				6	0	0.00	7	0	0.00	7	0	0.00
01042 COPPER, TOTAL	Fresh Acute	18.	21	1	0.05				6	0	0.00	8	1	0.13	7	0	0.00
	Drinking Water	1300.	21	0	0.00				6	0	0.00	8	0	0.00	7	0	0.00
01049 LEAD, DISSOLVED	Fresh Acute	82.	36	0	0.00	1	0	0.00	7	0	0.00	15	0	0.00	13	0	0.00
	Drinking Water	15.	36	1	0.03	1	0	0.00	7	0	0.00	15	0	0.00	13	1	0.08
01050 LEAD, SUSPENDED	Fresh Acute	82.	19	0	0.00				6	0	0.00	7	0	0.00	6	0	0.00
	Drinking Water	15.	16&	0	0.00				5	0	0.00	6	0	0.00	5	0	0.00
01051 LEAD, TOTAL	Fresh Acute	82.	17&	0	0.00				5	0	0.00	6	0	0.00	6	0	0.00
	Drinking Water	15.	17&	2	0.12				5	0	0.00	6	1	0.17	6	1	0.17
01065 NICKEL, DISSOLVED	Fresh Acute	1400.	25	0	0.00	1	0	0.00	4	0	0.00	10	0	0.00	10	0	0.00
	Drinking Water	100.	25	0	0.00	1	0	0.00	4	0	0.00	10	0	0.00	10	0	0.00
01066 NICKEL, SUSPENDED	Fresh Acute	1400.	10	0	0.00				3	0	0.00	3	0	0.00	4	0	0.00
	Drinking Water	100.	10	0	0.00				3	0	0.00	3	0	0.00	4	0	0.00
01067 NICKEL, TOTAL	Fresh Acute	1400.	10	0	0.00				3	0	0.00	3	0	0.00	4	0	0.00
	Drinking Water	100.	10	0	0.00				3	0	0.00	3	0	0.00	4	0	0.00
01075 SILVER, DISSOLVED	Fresh Acute	4.1	32	0	0.00	1	0	0.00	6	0	0.00	13	0	0.00	12	0	0.00
	Drinking Water	100.	32	0	0.00	1	0	0.00	6	0	0.00	13	0	0.00	12	0	0.00
01076 SILVER, SUSPENDED	Fresh Acute	4.1	14	0	0.00				5	0	0.00	5	0	0.00	4	0	0.00
	Drinking Water	100.	14	0	0.00				5	0	0.00	5	0	0.00	4	0	0.00
01077 SILVER, TOTAL	Fresh Acute	4.1	19	0	0.00	1	0	0.00	5	0	0.00	7	0	0.00	6	0	0.00
	Drinking Water	100.	19	0	0.00	1	0	0.00	5	0	0.00	7	0	0.00	6	0	0.00
01090 ZINC, DISSOLVED	Fresh Acute	120.	36	0	0.00	1	0	0.00	7	0	0.00	15	0	0.00	13	0	0.00
	Drinking Water	5000.	36	0	0.00	1	0	0.00	7	0	0.00	15	0	0.00	13	0	0.00
01091 ZINC, SUSPENDED	Fresh Acute	120.	21	0	0.00				6	0	0.00	8	0	0.00	7	0	0.00
	Drinking Water	5000.	21	0	0.00				6	0	0.00	8	0	0.00	7	0	0.00
01092 ZINC, TOTAL	Fresh Acute	120.	21	0	0.00				6	0	0.00	8	0	0.00	7	0	0.00
	Drinking Water	5000.	21	0	0.00				6	0	0.00	8	0	0.00	7	0	0.00
01145 SELENIUM, DISSOLVED	Fresh Acute	20.	36	0	0.00	1	0	0.00	7	0	0.00	15	0	0.00	13	0	0.00
	Drinking Water	50.	36	0	0.00	1	0	0.00	7	0	0.00	15	0	0.00	13	0	0.00
01146 SELENIUM, SUSPENDED	Fresh Acute	20.	21	0	0.00				6	0	0.00	8	0	0.00	7	0	0.00
	Drinking Water	50.	21	0	0.00				6	0	0.00	8	0	0.00	7	0	0.00
01147 SELENIUM, TOTAL	Fresh Acute	20.	21	0	0.00				6	0	0.00	8	0	0.00	7	0	0.00
	Drinking Water	50.	21	0	0.00				6	0	0.00	8	0	0.00	7	0	0.00
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	10	0	0.00				4	0	0.00	1	0	0.00	5	0	0.00
31625 FECAL COLIFORM, MF	Other-Hi Lim.	200.	62	0	0.00	6	0	0.00	13	0	0.00	23	0	0.00	20	0	0.00
71890 MERCURY, DISSOLVED	Fresh Acute	2.4	36	0	0.00	1	0	0.00	7	0	0.00	15	0	0.00	13	0	0.00
	Drinking Water	2.	36	0	0.00	1	0	0.00	7	0	0.00	15	0	0.00	13	0	0.00
71895 MERCURY, SUSPENDED	Fresh Acute	2.4	19	0	0.00				6	0	0.00	7	0	0.00	6	0	0.00
	Drinking Water	2.	19	0	0.00				6	0	0.00	7	0	0.00	6	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: MNRR0107

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
71900 MERCURY, TOTAL	Fresh Acute	2.4	21	0	0.00				6	0	0.00	8	0	0.00	7	0	0.00
	Drinking Water	2.	21	0	0.00				6	0	0.00	8	0	0.00	7	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 11/20 to 1/14 - Station MNRR0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/07/74-09/10/86	8	3.	3.063	7.	0.5	5.317	2.306	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/07/74-09/10/86	8	26750.	24762.5	37800.	12700.	83082678.571	9114.97	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/21/78-09/10/86	6	3.45	6.3	20.	0.6	51.92	7.206	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/07/74-09/10/86	7	760.	762.857	830.	680.	2757.143	52.509	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/27/77-09/10/86	5	12.	12.14	13.5	11.	1.198	1.095	**	**	**	**
00400	PH (STANDARD UNITS)	10/07/74-09/10/86	7	8.2	8.071	8.6	7.3	0.346	0.588	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/07/74-09/10/86	7	8.2	7.742	8.6	7.3	0.472	0.687	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/07/74-09/10/86	7	0.006	0.018	0.05	0.003	0.	0.022	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/07/74-07/09/86	6	163.5	163.5	174.	148.	91.9	9.586	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	10/07/74-05/20/81	2	0.79	0.79	0.93	0.65	0.039	0.198	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/24/79-09/10/86	6	0.035	0.029	0.05	0.005	0.	0.018	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/19/77-09/10/86	6	0.035	0.037	0.08	0.01	0.001	0.024	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/07/74-09/10/86	5	0.3	0.442	0.86	0.2	0.071	0.267	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/07/74-08/24/81	4	0.085	0.083	0.11	0.05	0.001	0.028	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/24/79-09/10/86	6##	0.06	0.065	0.09	0.05	0.	0.018	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/07/74-09/10/86	6	0.015	0.025	0.06	0.01	0.	0.021	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/19/77-09/10/86	6##	0.005	0.016	0.07	0.	0.001	0.027	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/07/74-01/28/83	4	250.	250.	260.	240.	66.667	8.165	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/07/74-09/10/86	7	60.	59.857	62.	58.	2.476	1.574	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/07/74-09/10/86	7	24.	23.857	26.	22.	1.81	1.345	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/07/74-09/10/86	7	75.	76.	85.	71.	20.667	4.546	**	**	**	**
00931	SODIUM ADSORPTION RATIO	10/07/74-01/28/83	4	2.2	2.2	2.3	2.1	0.007	0.082	**	**	**	**
00932	SODIUM, PERCENT	10/07/74-01/28/83	4	46.5	46.	52.	39.	48.667	6.976	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/07/74-09/10/86	7	4.9	5.043	6.1	4.2	0.5	0.707	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/07/74-09/10/86	7	11.	11.	12.	10.	0.667	0.816	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/07/74-09/10/86	7	230.	232.857	250.	220.	157.143	12.536	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/07/74-09/10/86	7	0.5	0.514	0.6	0.5	0.001	0.038	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SIO2)	10/07/74-09/10/86	7	6.3	6.271	7.8	4.9	0.726	0.852	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/07/74-05/06/86	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	01/30/78-05/06/86	1	39.	39.	39.	39.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/07/74-05/06/86	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/07/74-05/06/86	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	10/07/74-05/06/86	1##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	10/07/74-05/06/86	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/07/74-05/06/86	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	10/07/74-05/06/86	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/07/74-05/06/86	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/24/79-05/06/86	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	01/30/78-05/06/86	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/07/74-05/06/86	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/07/74-05/06/86	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	01/20/77-09/10/86	6	1.5	1.833	5.	0.	2.967	1.722	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	01/20/77-09/10/86	6	0.151	0.217	0.699	0.	0.078	0.278	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM		GEOMETRIC MEAN =		1.648								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/20/77-09/10/86	6	1.5	7.667	32.	1.	151.867	12.323	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/20/77-09/10/86	6	0.151	0.46	1.505	0.	0.399	0.632	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		GEOMETRIC MEAN =		2.884								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/07/74-09/10/86	7	502.	507.571	536.	476.	466.286	21.594	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/07/74-03/19/86	4	519.	518.5	542.	494.	497.	22.293	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/07/74-01/28/83	4	41850.	38675.	54700.	16300.	260415833.333	16137.405	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/07/74-01/28/83	4	0.695	0.693	0.73	0.65	0.001	0.035	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	01/20/77-09/10/86	5	95.	88.	100.	64.	216.5	14.714	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/07/74-05/20/81	2	3.5	3.5	4.1	2.9	0.72	0.849	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/07/74-05/06/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/07/74-09/10/86	7	76.	57.857	92.	6.	1227.81	35.04	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/07/74-08/24/81	5	6670.	5464.	7760.	2550.	5887780.	2426.475	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 3/14 - Station MNRR0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/07/74-09/10/86	18	1.	1.444	3.	0.5	0.82	0.906	0.5	0.5	2.5	3.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/07/74-09/10/86	18	21600.	22050.	35300.	13000.	46053235.294	6786.253	13540.	15700.	26375.	34040.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/21/78-09/10/86	10	1.15	1.73	5.4	0.3	2.371	1.54	0.36	0.9	2.	5.21
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/07/74-09/10/86	18	800.	777.222	960.	510.	13433.007	115.901	645.	685.	865.	897.
00300	OXYGEN, DISSOLVED MG/L	10/27/77-09/10/86	8	13.7	12.763	15.4	7.	6.82	2.611	**	**	**	**
00400	PH (STANDARD UNITS)	10/07/74-09/10/86	18	8.4	8.428	12.3	7.2	1.076	1.037	7.83	7.9	8.525	8.97
00400	CONVERTED PH (STANDARD UNITS)	10/07/74-09/10/86	18	8.389	8.02	12.3	7.2	1.252	1.119	7.83	7.9	8.525	8.97
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/07/74-09/10/86	18	0.004	0.01	0.063	0.	0.	0.014	0.002	0.003	0.013	0.018
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/07/74-07/09/86	11	159.	151.818	168.	90.	445.764	21.113	102.	150.	160.	166.4
00600	NITROGEN, TOTAL (MG/L AS N)	10/07/74-05/20/81	13	0.43	0.512	1.4	0.21	0.098	0.313	0.238	0.305	0.62	1.16
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/24/79-09/10/86	9	0.09	0.083	0.14	0.02	0.002	0.04	0.02	0.045	0.115	0.14
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/19/77-09/10/86	8	0.04	0.041	0.09	0.01	0.001	0.023	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/07/74-09/10/86	18	0.345	0.49	1.6	0.15	0.143	0.378	0.222	0.28	0.553	1.33
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/07/74-08/24/81	13	0.09	0.081	0.17	0.01	0.003	0.057	0.014	0.02	0.135	0.162
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/24/79-09/10/86	9	0.1	0.327	2.3	0.	0.55	0.742	0.	0.048	0.15	2.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/07/74-09/10/86	18	0.02	0.14	1.8	0.005	0.176	0.419	0.005	0.01	0.045	0.378
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/19/77-09/10/86	13	0.02	0.02	0.05	0.01	0.	0.013	0.01	0.01	0.025	0.046
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/07/74-01/28/83	15	250.	249.333	280.	220.	320.952	17.915	220.	240.	260.	274.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/07/74-09/10/86	17	63.	61.412	67.	52.	18.882	4.345	52.	59.	64.5	65.4
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/07/74-09/10/86	17	23.	23.765	27.	21.	3.316	1.821	21.	22.5	25.5	26.2
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/07/74-09/10/86	17	74.	72.412	83.	57.	40.632	6.374	65.	67.5	77.	81.4
00931	SODIUM ADSORPTION RATIO	10/07/74-01/28/83	15	2.	2.013	2.2	1.7	0.026	0.16	1.76	1.9	2.2	2.2
00932	SODIUM, PERCENT	10/07/74-01/28/83	15	38.	38.067	40.	36.	1.781	1.335	36.	37.	39.	40.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/07/74-09/10/86	17	4.9	4.9	6.6	3.9	0.276	0.526	4.38	4.65	5.	5.48
00940	CHLORIDE,TOTAL IN WATER MG/L	10/07/74-09/10/86	17	12.	11.706	18.	6.	7.221	2.687	7.6	10.	13.5	14.8
00945	SULFATE, TOTAL (MG/L AS SO4)	10/07/74-09/10/86	17	230.	235.882	280.	200.	750.735	27.4	200.	210.	250.	280.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/07/74-09/10/86	17	0.5	0.494	0.6	0.4	0.006	0.075	0.4	0.4	0.55	0.6
00955	SILICA, DISSOLVED (MG/L AS SIO2)	10/07/74-09/10/86	17	5.3	5.276	7.3	2.4	1.487	1.219	3.68	4.7	5.95	7.14
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/07/74-05/06/86	7	2.	1.571	2.	1.	0.286	0.535	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	01/30/78-05/06/86	6	47.5	45.667	50.	39.	26.667	5.164	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/07/74-05/06/86	7##	0.5	0.429	1.	0.	0.119	0.345	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/07/74-05/06/86	7##	0.	2.214	10.	0.	15.155	3.893	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	10/07/74-05/06/86	7##	1.5	1.071	1.5	0.	0.536	0.732	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	10/07/74-05/06/86	7	1.	2.357	10.	0.	12.56	3.544	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/07/74-05/06/86	7##	5.	6.429	10.	5.	5.952	2.44	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	10/07/74-05/06/86	7	3.	2.929	6.	0.5	3.369	1.835	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/07/74-05/06/86	7	40.	51.571	130.	7.	2011.286	44.847	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/24/79-05/06/86	4	4.	5.	11.	1.	18.667	4.32	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	01/30/78-05/06/86	6##	0.	0.25	1.	0.	0.175	0.418	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/07/74-05/06/86	7	6.	5.357	13.	0.	25.893	5.089	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/07/74-05/06/86	7	2.	1.571	2.	1.	0.286	0.535	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	01/20/77-09/10/86	13	0.5	0.846	3.	0.	0.933	0.966	0.	0.	1.5	2.6
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	01/20/77-09/10/86	13	-0.301	0.037	0.477	-0.301	0.048	0.218	0.	0.	0.151	0.407
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM		GEOMETRIC MEAN =		1.088								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/20/77-09/10/86	12	1.	11.458	70.	0.	573.794	23.954	0.	0.	6.5	65.2
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/20/77-09/10/86	12	0.	0.373	1.845	-0.301	0.521	0.722	0.	0.	0.753	1.811
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		GEOMETRIC MEAN =		2.363								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/07/74-09/10/86	17	523.	518.647	586.	429.	1338.368	36.584	472.2	495.	542.5	569.2
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/07/74-03/19/86	15	502.	508.333	580.	435.	1942.381	44.072	452.4	474.	538.	580.
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/07/74-01/28/83	15	29700.	31106.667	48100.	17900.	91032095.238	9541.074	19220.	20800.	40200.	46000.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/07/74-01/28/83	15	0.7	0.699	0.8	0.58	0.003	0.051	0.628	0.66	0.73	0.77
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	01/20/77-09/10/86	10	93.	86.9	100.	56.	266.767	16.333	56.2	79.	98.5	100.
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/07/74-05/20/81	13	1.9	2.269	6.4	0.9	2.064	1.437	1.02	1.35	2.75	5.24
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/07/74-05/06/86	7	0.1	0.136	0.3	0.	0.013	0.114	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/07/74-09/10/86	16	59.5	62.625	156.	3.	1339.983	36.606	4.4	43.	78.25	121.7
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/07/74-08/24/81	13	4140.	4609.23	14900.	1790.	10798389.708	3286.09	1954.	3075.	5120.	11099.996

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 7/14 - Station MNRR0107

	Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/07/74-09/10/86	25	9.	8.968	22.	0.5	38.176	6.179	1.5	4.	13.	20.2
00061	FLOW, STREAM, INSTANTANEOUS	CFS	10/07/74-09/10/86	25	30100.	28084.	43000.	4000.	81533900.	9029.612	16600.	20700.	33550.	41180.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		06/21/78-09/10/86	19	2.4	4.474	18.	0.4	23.535	4.851	0.9	1.6	5.4	15.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/07/74-09/10/86	25	780.	770.	940.	530.	6858.333	82.815	660.	750.	825.	866.
00300	OXYGEN, DISSOLVED	MG/L	10/27/77-09/10/86	21	12.6	11.552	14.5	7.1	5.422	2.328	7.7	10.05	13.35	13.92
00400	PH (STANDARD UNITS)		10/07/74-09/10/86	25	8.1	8.088	8.6	7.2	0.115	0.339	7.7	7.9	8.345	8.54
00400	CONVERTED PH (STANDARD UNITS)		10/07/74-09/10/86	25	8.1	7.946	8.6	7.2	0.136	0.369	7.7	7.9	8.345	8.54
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/07/74-09/10/86	25	0.008	0.011	0.063	0.003	0.	0.012	0.003	0.005	0.013	0.02
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		10/07/74-07/09/86	18	160.	161.778	202.	140.	256.536	16.017	140.	150.	167.75	187.6
00600	NITROGEN, TOTAL (MG/L AS N)		10/07/74-05/20/81	15	0.44	0.51	1.3	0.16	0.09	0.299	0.172	0.31	0.62	1.078
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)		10/24/79-09/10/86	15	0.05	0.111	0.43	0.01	0.015	0.121	0.01	0.03	0.16	0.334
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		09/19/77-09/10/86	14	0.03	0.041	0.12	0.005	0.001	0.035	0.008	0.01	0.065	0.105
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		10/07/74-09/10/86	25	0.44	0.49	1.3	0.15	0.082	0.287	0.178	0.275	0.665	0.962
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/07/74-08/24/81	15	0.07	0.082	0.15	0.01	0.002	0.043	0.016	0.05	0.12	0.132
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)		09/24/79-09/10/86	15	0.06	0.069	0.1	0.03	0.001	0.027	0.036	0.05	0.1	0.1
00665	PHOSPHORUS, TOTAL (MG/L AS P)		10/07/74-09/10/86	25	0.02	0.02	0.05	0.005	0.	0.013	0.008	0.01	0.03	0.04
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)		09/19/77-09/10/86	21	0.01	0.015	0.05	0.005	0.	0.013	0.005	0.005	0.02	0.038
00900	HARDNESS, TOTAL (MG/L AS CACO3)		10/07/74-01/28/83	17	250.	245.294	270.	210.	288.971	16.999	218.	230.	260.	262.
00915	CALCIUM, DISSOLVED (MG/L AS CA)		10/07/74-09/10/86	25	61.	61.64	73.	55.	18.573	4.31	56.	58.	65.	67.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		10/07/74-09/10/86	25	24.	22.92	27.	11.	9.91	3.148	19.6	22.	25.	25.4
00930	SODIUM, DISSOLVED (MG/L AS NA)		10/07/74-09/10/86	25	71.	72.32	88.	62.	35.477	5.956	65.	68.	76.	80.4
00931	SODIUM ADSORPTION RATIO		10/07/74-01/28/83	17	2.	2.035	2.4	1.8	0.036	0.19	1.8	1.9	2.2	2.4
00932	SODIUM, PERCENT		10/07/74-01/28/83	17	38.	38.588	42.	35.	3.132	1.77	35.8	38.	40.	41.2
00935	POTASSIUM, DISSOLVED (MG/L AS K)		10/07/74-09/10/86	25	5.	4.972	5.6	4.4	0.11	0.331	4.5	4.7	5.15	5.44
00940	CHLORIDE,TOTAL IN WATER	MG/L	10/07/74-09/10/86	25	11.	11.16	22.	9.	6.557	2.561	9.	10.	11.5	13.4
00945	SULFATE, TOTAL (MG/L AS SO4)		10/07/74-09/10/86	25	230.	228.	270.	190.	700.	26.458	190.	205.	245.	270.
00950	FLUORIDE, DISSOLVED (MG/L AS F)		10/07/74-09/10/86	25	0.5	0.476	0.6	0.2	0.007	0.083	0.36	0.5	0.5	0.54
00955	SILICA, DISSOLVED (MG/L AS SIO2)		10/07/74-09/10/86	25	5.2	8.216	80.	2.9	224.756	14.992	3.96	4.6	5.7	7.54
01000	ARSENIC, DISSOLVED (UG/L AS AS)		10/07/74-05/06/86	15	2.	1.933	3.	1.	0.21	0.458	1.	2.	2.	2.4
01005	BARIUM, DISSOLVED (UG/L AS BA)		01/30/78-05/06/86	13	42.	62.385	300.	34.	5120.256	71.556	35.6	40.	50.	200.
01025	CADMIUM, DISSOLVED (UG/L AS CD)		10/07/74-05/06/86	15##	0.5	2.067	23.	0.	34.031	5.834	0.	0.5	0.5	11.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)		10/07/74-05/06/86	15##	0.5	1.333	10.	0.	7.417	2.723	0.	0.	0.5	7.
01035	COBALT, DISSOLVED (UG/L AS CO)		10/07/74-05/06/86	15##	1.5	1.167	2.	0.	0.452	0.673	0.	0.5	1.5	1.7
01040	COPPER, DISSOLVED (UG/L AS CU)		10/07/74-05/06/86	15	2.	2.567	7.	0.	4.817	2.195	0.	1.	3.	6.4
01046	IRON, DISSOLVED (UG/L AS FE)		10/07/74-05/06/86	15	5.	9.167	40.	0.	106.702	10.33	0.9	3.	9.	28.
01049	LEAD, DISSOLVED (UG/L AS PB)		10/07/74-05/06/86	15	2.	3.267	10.	0.	12.245	3.499	0.3	0.5	6.	10.
01056	MANGANESE, DISSOLVED (UG/L AS MN)		10/07/74-05/06/86	15	17.	34.467	220.	2.	3051.124	55.237	2.6	4.	50.	125.2
01065	NICKEL, DISSOLVED (UG/L AS NI)		10/24/79-05/06/86	10	5.	5.4	10.	3.	5.822	2.413	3.	3.	7.25	9.8
01075	SILVER, DISSOLVED (UG/L AS AG)		01/30/78-05/06/86	13##	0.5	0.308	0.5	0.	0.064	0.253	0.	0.	0.5	0.5
01090	ZINC, DISSOLVED (UG/L AS ZN)		10/07/74-05/06/86	15	10.	9.267	21.	1.5	29.745	5.454	1.5	6.	10.	20.4
01145	SELENIUM, DISSOLVED (UG/L AS SE)		10/07/74-05/06/86	15	2.	1.467	2.	0.5	0.374	0.611	0.5	1.	2.	2.
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM		01/20/77-09/10/86	23	1.	3.022	27.	0.	39.738	6.304	0.	0.5	2.	12.8
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM		01/20/77-09/10/86	23	0.	0.154	1.431	-0.301	0.221	0.47	0.	-0.301	0.301	1.084
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM				GEOMETRIC MEAN =	1.425								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		01/20/77-09/10/86	22	3.	20.659	79.	0.	779.462	27.919	0.	1.	38.25	76.8
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		01/20/77-09/10/86	22	0.477	0.759	1.898	-0.301	0.616	0.785	0.	0.	1.578	1.885
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR				GEOMETRIC MEAN =	5.743								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L		10/07/74-09/10/86	25	513.	513.76	607.	430.	1730.357	41.598	452.4	489.5	529.5	574.6
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)		10/07/74-03/19/86	18	485.5	501.167	593.	431.	2429.324	49.288	443.6	462.75	550.25	575.9
70302	SOLIDS, DISSOLVED-TONS PER DAY		10/07/74-01/28/83	17	45600.	41704.118	54900.	5370.	164594288.235	12829.431	19794.	36250.	50650.	54340.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT		10/07/74-01/28/83	17	0.68	0.692	0.83	0.58	0.004	0.065	0.596	0.645	0.735	0.782
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM		01/20/77-09/10/86	19	95.	91.684	100.	61.	94.339	9.713	78.	86.	100.	100.
71887	NITROGEN, TOTAL, AS NO3 - MG/L		10/07/74-05/20/81	15	1.9	2.253	5.9	0.7	1.83	1.353	0.76	1.4	2.7	4.82
71890	MERCURY, DISSOLVED (UG/L AS HG)		10/07/74-05/06/86	15##	0.05	0.187	1.6	0.	0.158	0.398	0.03	0.05	0.1	0.79
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)		10/07/74-09/10/86	20	42.5	50.8	175.	3.	1703.537	41.274	10.1	17.25	71.	112.5
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)		10/07/74-08/24/81	12	4439.995	5506.665	14700.	670.	13129565.976	3623.474	1339.	3150.	7527.5	12791.997

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 7/15 to 11/19 - Station MNRR0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/07/74-09/10/86	30	19.5	17.183	25.	5.5	35.853	5.988	8.05	11.75	22.125	24.45
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/07/74-09/10/86	30	39400.	40653.333	60000.	18800.	73159126.437	8553.311	33150.	36600.	43925.	52380.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/21/78-09/10/86	22	2.5	3.423	14.	0.8	10.971	3.312	1.1	1.55	4.	9.81
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/07/74-09/10/86	29	770.	764.483	1000.	520.	8418.473	91.752	660.	720.	805.	870.
00300	OXYGEN, DISSOLVED MG/L	10/27/77-09/10/86	21	9.2	9.448	18.8	6.8	6.256	2.501	7.28	7.85	10.	11.56
00400	PH (STANDARD UNITS)	10/07/74-09/10/86	29	8.26	8.199	8.7	7.3	0.1	0.316	7.8	8.	8.4	8.6
00400	CONVERTED PH (STANDARD UNITS)	10/07/74-09/10/86	29	8.26	8.064	8.7	7.3	0.118	0.344	7.8	8.	8.4	8.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/07/74-09/10/86	29	0.005	0.009	0.05	0.002	0.	0.009	0.003	0.004	0.01	0.016
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/07/74-07/09/86	19	158.	156.579	196.	136.	159.035	12.611	140.	150.	162.	163.
00600	NITROGEN, TOTAL (MG/L AS N)	10/07/74-05/20/81	16	0.46	0.654	3.7	0.05	0.716	0.846	0.106	0.29	0.617	1.733
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/24/79-09/10/86	15	0.04	0.076	0.25	0.01	0.005	0.072	0.01	0.02	0.12	0.214
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/19/77-09/10/86	12	0.015	0.023	0.08	0.01	0.	0.021	0.01	0.01	0.03	0.068
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/07/74-09/10/86	29	0.42	0.575	3.6	0.02	0.418	0.647	0.14	0.275	0.7	1.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/07/74-08/24/81	18	0.08	0.081	0.12	0.01	0.001	0.034	0.037	0.05	0.113	0.12
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/24/79-09/10/86	16##	0.05	0.088	0.3	0.	0.006	0.078	0.032	0.05	0.098	0.23
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/07/74-09/10/86	30	0.02	0.02	0.08	0.005	0.	0.015	0.01	0.01	0.02	0.039
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/19/77-09/10/86	23	0.01	0.019	0.1	0.005	0.001	0.023	0.005	0.005	0.02	0.058
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/07/74-01/28/83	21	240.	240.476	280.	220.	244.762	15.645	220.	230.	250.	268.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/07/74-09/10/86	31	59.	76.839	600.	52.	9441.273	97.166	55.	57.	61.	66.8
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/07/74-09/10/86	31	23.	23.	27.	20.	2.867	1.693	21.	22.	24.	25.
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/07/74-09/10/86	31	74.	73.581	84.	65.	30.318	5.506	65.2	70.	77.	82.6
00931	SODIUM ADSORPTION RATIO	10/07/74-01/28/83	21	2.	2.057	2.5	1.8	0.037	0.191	1.82	1.9	2.2	2.38
00932	SODIUM, PERCENT	10/07/74-01/28/83	21	39.	39.952	52.	36.	18.148	4.26	36.2	38.	40.	50.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/07/74-09/10/86	31	5.	5.306	14.	2.5	2.972	1.724	4.7	4.8	5.4	5.8
00940	CHLORIDE,TOTAL IN WATER MG/L	10/07/74-09/10/86	31	11.	11.161	16.	9.	1.94	1.393	10.	10.	12.	13.
00945	SULFATE, TOTAL (MG/L AS SO4)	10/07/74-09/10/86	31	220.	227.097	270.	190.	594.624	24.385	200.	210.	250.	268.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/07/74-09/10/86	31	0.5	0.49	0.6	0.4	0.003	0.054	0.4	0.5	0.5	0.58
00955	SILICA, DISSOLVED (MG/L AS SIO2)	10/07/74-09/10/86	31	5.8	5.879	8.5	0.05	2.434	1.56	4.72	5.1	6.7	8.08
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/07/74-05/06/86	13	2.	2.308	3.	2.	0.231	0.48	2.	2.	3.	3.
01005	BARIUM, DISSOLVED (UG/L AS BA)	01/30/78-05/06/86	12	44.	45.5	60.	37.	42.455	6.516	37.6	40.25	50.	57.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/07/74-05/06/86	13##	0.5	0.577	1.	0.	0.077	0.277	0.2	0.5	0.75	1.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/07/74-05/06/86	13##	0.5	1.038	5.	0.	3.186	1.785	0.	0.	0.75	5.
01035	COBALT, DISSOLVED (UG/L AS CO)	10/07/74-05/06/86	13##	1.5	1.192	1.5	0.	0.356	0.596	0.	1.	1.5	1.5
01040	COPPER, DISSOLVED (UG/L AS CU)	10/07/74-05/06/86	13	2.	2.077	5.	0.	2.41	1.553	0.	1.	3.	4.6
01046	IRON, DISSOLVED (UG/L AS FE)	10/07/74-05/06/86	13	5.	11.154	80.	1.5	449.099	21.192	1.5	3.5	5.5	56.
01049	LEAD, DISSOLVED (UG/L AS PB)	10/07/74-05/06/86	13	0.5	2.192	20.	0.	29.106	5.395	0.	0.	1.5	12.8
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/07/74-05/06/86	13	9.	24.231	160.	2.	1824.692	42.716	2.	4.	29.	112.
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/24/79-05/06/86	10	4.	4.3	14.	0.	15.344	3.917	0.	2.25	5.25	13.2
01075	SILVER, DISSOLVED (UG/L AS AG)	01/30/78-05/06/86	12##	0.5	0.458	2.	0.	0.294	0.542	0.	0.	0.5	1.55
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/07/74-05/06/86	13	6.	6.462	10.	1.5	10.728	3.275	1.5	3.5	10.	10.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/07/74-05/06/86	13	2.	1.692	2.	1.	0.231	0.48	1.	1.	2.	2.
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	01/20/77-09/10/86	20	2.	6.875	53.	0.5	170.523	13.058	1.	1.25	4.75	31.5
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	01/20/77-09/10/86	20	0.301	0.468	1.724	-0.301	0.251	0.501	0.	0.075	0.675	1.474
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM		GEOMETRIC MEAN =		2.934								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/20/77-09/10/86	21	8.	26.833	200.	0.5	1902.133	43.613	1.2	2.5	35.5	57.6
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/20/77-09/10/86	21	0.903	1.	2.301	-0.301	0.457	0.676	0.06	0.389	1.55	1.759
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		GEOMETRIC MEAN =		10.006								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/07/74-09/10/86	31	506.	507.129	586.	424.	1482.849	38.508	461.6	476.	538.	560.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/07/74-03/19/86	19	474.	487.895	569.	450.	1294.211	35.975	451.	464.	502.	561.
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/07/74-01/28/83	21	55000.	56438.095	81500.	29700.	134857476.19	11612.815	42880.	50400.	61900.	78160.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/07/74-01/28/83	21	0.68	0.681	0.8	0.58	0.003	0.057	0.606	0.635	0.72	0.768
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	01/20/77-09/10/86	17	95.	92.118	100.	77.	60.235	7.761	78.6	86.	98.5	100.
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/07/74-05/20/81	16	2.05	2.869	16.	0.2	13.364	3.656	0.48	1.25	2.7	7.53
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/07/74-05/06/86	13##	0.05	0.065	0.25	0.	0.004	0.063	0.	0.05	0.075	0.19
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/07/74-09/10/86	24	53.5	55.167	128.	6.	1028.928	32.077	9.5	37.	75.5	102.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/07/74-08/24/81	16	7495.	7876.871	13300.	2730.	9187316.665	3031.059	3549.	5499.99	10524.995	12180.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: MNRR0108

NPS Station ID: MNRR0108 LAT/LON: 43.065003/ -98.553337 Agency: 121MBRCE Date Created: 05/31/80
Location: MONITOR AT FT RANDALL POWER HOUSE FIPS State/County: 46023 SOUTH DAKOTA/CHARLES MIX
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 46RAM1 /FTRANDALLMON
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 10140101 Depth of Water: 121 Aquifer:
Major Basin: MISSOURI RIVER Elevation: 0 Water Body Id:
Minor Basin: S CENTRAL MISSOURI SPRING CREEK TO NIORO ECO Region:
RF1 Index: 10140101002 RF1 Mile Point: 0.700 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 10140101110200.00 RF3 Mile Point: 0.54 Distance from RF3: 0.06 On/Off RF3:
Description:

Parameter Inventory for Station: MNRR0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		01/28/83-05/01/97	1519	9.2	10.553	25.5	0.	63.216	7.951	1.5	2.7	17.3	23.
00011 TEMPERATURE, WATER (DEGREES FAHRENHEIT)		04/23/79-11/16/81	1187	50.5	52.054	78.5	32.	194.675	13.953	35.5	39.	65.	72.5
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		04/23/79-05/01/97	2430	756.	759.474	857.	6.	1733.202	41.632	720.	730.	790.	811.9
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/04/65-12/31/75	2329	764.	769.357	928.	445.	3517.564	59.309	701.	725.	805.	842.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-05/01/97	4633	9.9	10.065	16.1	1.	6.171	2.484	7.1	8.4	12.1	13.3
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION	%	05/20/92-12/13/95	909	87.7	87.082	116.5	51.2	130.978	11.445	69.4	81.15	94.4	100.7
00400 PH (STANDARD UNITS)		04/23/79-05/01/97	1481	8.38	8.306	9.17	6.6	0.093	0.305	7.95	8.21	8.49	8.57
00400 CONVERTED PH (STANDARD UNITS)		04/23/79-05/01/97	1481	8.38	8.109	9.17	6.6	0.132	0.363	7.95	8.21	8.49	8.57
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/23/79-05/01/97	1481	0.004	0.008	0.251	0.001	0.	0.017	0.003	0.003	0.006	0.011

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

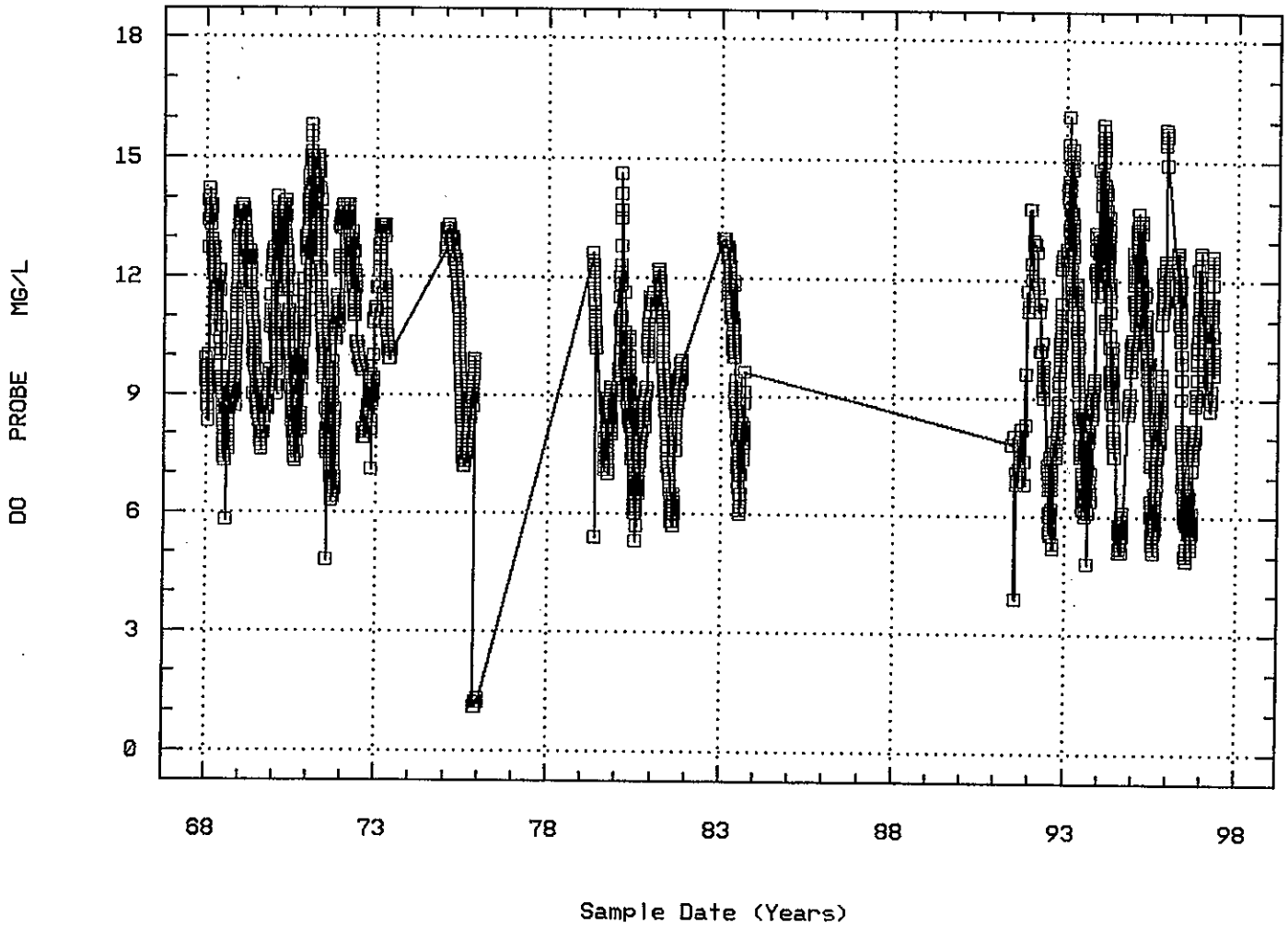
EPA Water Quality Criteria Analysis for Station: MNRR0108

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4633	47	0.01	595	42	0.07	667	0	0.00	1718	0	0.00	1653	5	0.00
00400 PH	Fresh Chronic	9.	1481	1	0.00	207	0	0.00	252	1	0.00	536	0	0.00	486	0	0.00
	Other-Lo Lim.	6.5	1481	0	0.00	207	0	0.00	252	0	0.00	536	0	0.00	486	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: MNRR0108 Parameter Code: 00299

OXYGEN ,DISSOLVED, ANALYSIS BY PROBE



MONITOR AT FT RANDALL POWER HOUSE

Annual Analysis for 1968 - Station MNRR0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/04/65-12/31/75	366	808.	812.022	887.	730.	1391.961	37.309	761.7	778.	845.	860.3
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-05/01/97	366	9.7	10.461	14.2	5.8	3.544	1.883	8.6	8.9	11.9	13.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1969 - Station MNRR0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/04/65-12/31/75	365	793.	819.441	928.	724.	4554.912	67.49	744.	768.	910.	918.8
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-05/01/97	365	10.4	10.64	13.8	7.6	4.205	2.051	8.	8.6	12.5	13.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1970 - Station MNRR0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/04/65-12/31/75	365	734.	731.321	761.	686.	189.554	13.768	710.	722.	742.	746.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-05/01/97	365	10.8	10.922	14.	7.3	3.703	1.924	8.3	9.2	12.8	13.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station MNRR0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/04/65-12/31/75	365	782.	775.17	858.	699.	1346.471	36.694	727.	740.	808.	824.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-05/01/97	365	11.2	11.415	15.8	4.8	7.043	2.654	7.6	9.5	13.9	14.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station MNRR0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/04/65-12/31/75	366	782.	763.842	840.	678.	2291.23	47.867	695.	709.5	805.	812.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-05/01/97	366	10.3	10.758	13.8	7.1	3.899	1.975	8.	9.	12.9	13.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station MNRR0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/04/65-12/31/75	153	707.	711.34	755.	688.	283.239	16.83	692.	701.	718.	740.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-05/01/97	153	11.7	11.838	13.3	9.9	1.556	1.247	10.1	10.55	13.2	13.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station MNRR0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/04/65-12/31/75	349	717.	737.155	850.	445.	4523.361	67.256	648.	686.	807.	828.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-05/01/97	349	9.2	9.112	13.3	1.	14.069	3.751	1.2	7.5	12.6	13.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station MNRR0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		04/23/79-05/01/97	296	740.	739.966	770.	50.	1963.05	44.306	720.	730.	760.	770.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-05/01/97	171	9.	9.456	12.6	5.4	2.57	1.603	7.62	8.3	10.7	12.
00400 PH (STANDARD UNITS)		04/23/79-05/01/97	72	8.2	8.117	8.9	7.4	0.134	0.366	7.6	7.725	8.3	8.5
00400 CONVERTED PH (STANDARD UNITS)		04/23/79-05/01/97	72	8.2	7.961	8.9	7.4	0.158	0.398	7.6	7.725	8.3	8.5
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/23/79-05/01/97	72	0.006	0.011	0.04	0.001	0.	0.01	0.003	0.005	0.019	0.025

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station MNRR0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		04/23/79-05/01/97	541	750.	755.813	820.	700.	1128.782	33.597	715.	727.5	790.	810.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-05/01/97	414	8.7	8.816	14.6	5.3	2.411	1.553	6.8	7.8	9.8	10.95
00400 PH (STANDARD UNITS)		04/23/79-05/01/97	116	8.	8.018	8.55	7.6	0.052	0.228	7.7	7.85	8.2	8.35
00400 CONVERTED PH (STANDARD UNITS)		04/23/79-05/01/97	116	8.	7.961	8.55	7.6	0.055	0.235	7.7	7.85	8.2	8.35
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/23/79-05/01/97	116	0.01	0.011	0.025	0.003	0.	0.005	0.004	0.006	0.014	0.02

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station MNRR0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		04/23/79-05/01/97	311	800.	806.077	835.	785.	198.11	14.075	790.	795.	815.	830.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-05/01/97	252	9.1	9.015	12.2	5.7	3.884	1.971	6.2	7.1	11.1	11.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station MNRR0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		01/28/83-05/01/97	226	9.	10.358	25.5	1.5	70.942	8.423	2.	2.375	17.	24.5
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-05/01/97	226	10.4	10.104	13.	6.	4.744	2.178	7.2	8.	12.5	12.83

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station MNRR0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		01/28/83-05/01/97	22	19.65	15.341	24.4	1.6	74.537	8.633	1.93	6.425	23.075	23.9
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		04/23/79-05/01/97	22	749.5	751.	806.	708.	838.667	28.96	709.3	728.	775.25	793.5
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-05/01/97	22	7.8	8.277	13.8	3.9	4.452	2.11	6.8	7.175	8.625	11.58

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station MNRR0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400 PH (STANDARD UNITS)		04/23/79-05/01/97	22	7.15	7.175	7.91	6.6	0.148	0.385	6.692	6.898	7.493	7.813
00400 CONVERTED PH (STANDARD UNITS)		04/23/79-05/01/97	22	7.147	7.035	7.91	6.6	0.169	0.411	6.692	6.897	7.492	7.813
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/23/79-05/01/97	22	0.071	0.092	0.251	0.012	0.005	0.069	0.016	0.032	0.129	0.203

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station MNRR0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		01/28/83-05/01/97	140	13.6	13.133	21.8	0.	45.247	6.727	3.86	7.875	20.6	21.2
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		04/23/79-05/01/97	140	747.5	752.429	816.	729.	395.182	19.879	730.	735.	768.	775.8
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-05/01/97	140	8.5	8.936	13.8	5.2	5.147	2.269	5.72	7.2	10.625	12.4
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION	%	05/20/92-12/13/95	120	85.25	83.381	101.8	57.4	113.03	10.632	65.35	79.975	88.6	95.96
00400 PH (STANDARD UNITS)		04/23/79-05/01/97	140	8.45	8.272	8.67	6.87	0.246	0.496	7.232	8.38	8.53	8.6
00400 CONVERTED PH (STANDARD UNITS)		04/23/79-05/01/97	140	8.45	7.815	8.67	6.87	0.455	0.675	7.232	8.38	8.53	8.6
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/23/79-05/01/97	140	0.004	0.015	0.135	0.002	0.001	0.031	0.003	0.003	0.004	0.059

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station MNRR0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		01/28/83-05/01/97	291	9.	9.289	22.4	0.9	41.32	6.428	1.72	2.8	14.6	18.4
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		04/23/79-05/01/97	291	740.	737.715	768.	665.	484.053	22.001	704.	728.	758.	761.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-05/01/97	272	9.6	10.253	16.1	4.8	7.19	2.681	6.7	7.925	12.7	13.37
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION	%	05/20/92-12/13/95	272	91.1	89.299	116.5	51.2	148.465	12.185	69.33	84.225	97.2	104.27
00400 PH (STANDARD UNITS)		04/23/79-05/01/97	291	8.51	8.457	8.87	7.95	0.034	0.184	8.152	8.37	8.58	8.65
00400 CONVERTED PH (STANDARD UNITS)		04/23/79-05/01/97	291	8.51	8.412	8.87	7.95	0.036	0.19	8.152	8.37	8.58	8.65
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/23/79-05/01/97	291	0.003	0.004	0.011	0.001	0.	0.002	0.002	0.003	0.004	0.007

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station MNRR0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		01/28/83-05/01/97	209	5.2	8.348	23.8	0.6	62.553	7.909	1.2	1.85	11.85	23.2
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		04/23/79-05/01/97	198	752.5	743.828	785.	681.	546.346	23.374	713.8	720.	761.	769.1
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-05/01/97	209	10.3	10.441	15.9	5.1	8.119	2.849	5.7	8.95	12.6	13.9
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION	%	05/20/92-12/13/95	209	86.8	86.343	110.4	61.2	145.428	12.059	69.2	77.05	95.55	102.3
00400 PH (STANDARD UNITS)		04/23/79-05/01/97	209	8.46	8.414	9.17	7.65	0.053	0.23	7.96	8.38	8.51	8.66
00400 CONVERTED PH (STANDARD UNITS)		04/23/79-05/01/97	209	8.46	8.342	9.17	7.65	0.058	0.241	7.96	8.38	8.51	8.66
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/23/79-05/01/97	209	0.003	0.005	0.022	0.001	0.	0.003	0.002	0.003	0.004	0.011

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1995 - Station MNRR0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		01/28/83-05/01/97	308	9.15	11.043	25.4	1.	69.849	8.358	1.7	2.925	19.275	23.72
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		04/23/79-05/01/97	308	757.	762.763	853.	696.	1650.533	40.627	720.9	726.	788.	826.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-05/01/97	308	10.4	9.955	15.8	5.1	6.261	2.502	6.1	8.	11.9	12.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1995 - Station MNRR0108

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION %	05/20/92-12/13/95	308	87.95	87.068	115.8	58.8	103.906	10.193	71.79	82.55	92.9	98.3
00400 PH (STANDARD UNITS)	04/23/79-05/01/97	308	8.345	8.313	8.62	7.68	0.033	0.183	8.109	8.23	8.445	8.52
00400 CONVERTED PH (STANDARD UNITS)	04/23/79-05/01/97	308	8.345	8.267	8.62	7.68	0.035	0.188	8.109	8.23	8.445	8.52
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/23/79-05/01/97	308	0.005	0.005	0.021	0.002	0.	0.003	0.003	0.004	0.006	0.008

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1996 - Station MNRR0108

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/83-05/01/97	255	14.4	13.671	24.5	1.2	62.24	7.889	2.1	6.7	22.4	23.8
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/23/79-05/01/97	255	775.	775.949	857.	6.	3933.45	62.717	733.6	748.	800.	846.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	05/04/65-05/01/97	241	7.9	8.427	12.7	4.9	5.722	2.392	5.7	6.1	10.9	11.8
00400 PH (STANDARD UNITS)	04/23/79-05/01/97	255	8.38	8.368	8.53	8.12	0.007	0.085	8.24	8.32	8.43	8.48
00400 CONVERTED PH (STANDARD UNITS)	04/23/79-05/01/97	255	8.38	8.36	8.53	8.12	0.007	0.086	8.24	8.32	8.43	8.48
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/23/79-05/01/97	255	0.004	0.004	0.008	0.003	0.	0.001	0.003	0.004	0.005	0.006

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

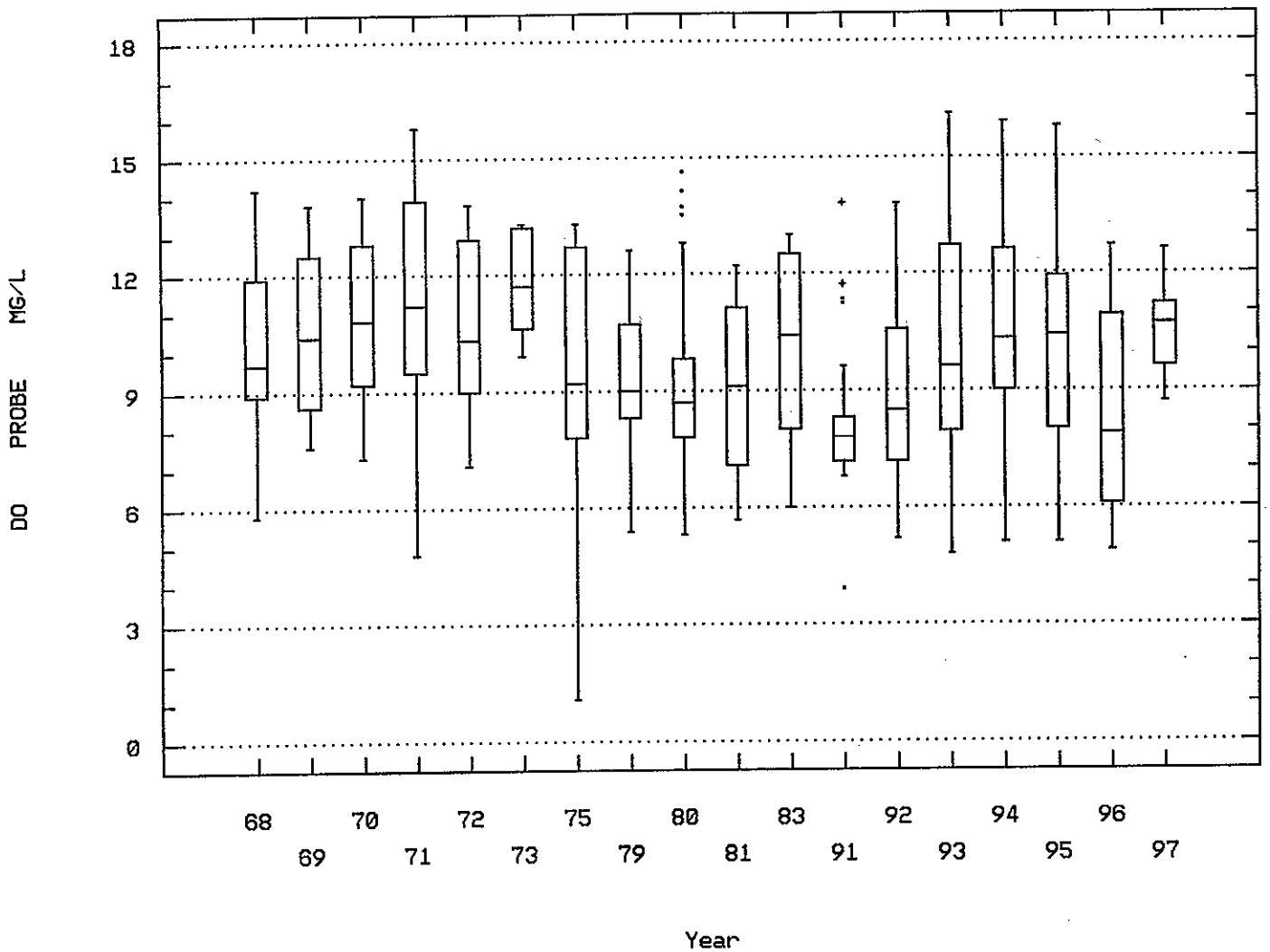
Annual Analysis for 1997 - Station MNRR0108

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/83-05/01/97	68	2.3	2.607	6.4	1.2	1.902	1.379	1.3	1.4	3.1	5.04
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/23/79-05/01/97	68	740.	739.618	804.	695.	657.643	25.645	706.8	717.5	757.75	771.2
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	05/04/65-05/01/97	49	10.7	10.516	12.6	8.7	1.168	1.081	9.	9.45	11.25	11.9
00400 PH (STANDARD UNITS)	04/23/79-05/01/97	68	8.195	8.186	8.42	8.02	0.007	0.086	8.079	8.12	8.24	8.301
00400 CONVERTED PH (STANDARD UNITS)	04/23/79-05/01/97	68	8.195	8.178	8.42	8.02	0.007	0.086	8.079	8.12	8.24	8.301
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/23/79-05/01/97	68	0.006	0.007	0.01	0.004	0.	0.001	0.005	0.006	0.008	0.008

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: MNRR0108 Parameter Code: 00299

OXYGEN ,DISSOLVED, ANALYSIS BY PROBE



MONITOR AT FT RANDALL POWER HOUSE

Seasonal Analysis for Season #1: 11/20 to 1/14 - Station MNRR0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		01/28/83-05/01/97	207	3.	3.55	9.9	0.6	5.745	2.397	1.1	1.4	5.1	7.56
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		04/23/79-05/01/97	374	755.	757.503	820.	704.	637.816	25.255	726.5	742.75	770.	797.5
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/04/65-12/31/75	350	744.	753.391	920.	671.	2849.087	53.377	686.2	710.	781.25	850.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-05/01/97	595	11.5	11.035	15.8	1.	9.057	3.009	9.1	10.7	12.7	13.4
00400 PH (STANDARD UNITS)		04/23/79-05/01/97	207	8.34	8.298	8.87	6.68	0.136	0.369	7.888	8.15	8.58	8.66
00400 CONVERTED PH (STANDARD UNITS)		04/23/79-05/01/97	207	8.34	8.016	8.87	6.68	0.216	0.465	7.888	8.15	8.58	8.66
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/23/79-05/01/97	207	0.005	0.01	0.209	0.001	0.001	0.024	0.002	0.003	0.007	0.013

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 3/14 - Station MNRR0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		01/28/83-05/01/97	221	1.7	1.718	2.9	0.	0.233	0.483	1.2	1.4	2.	2.5
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		04/23/79-05/01/97	352	755.	754.446	816.	676.	617.057	24.841	724.	735.	765.	790.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/04/65-12/31/75	415	798.	796.027	920.	686.	3760.871	61.326	716.	740.	822.	910.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-05/01/97	667	13.1	12.852	16.1	8.3	1.789	1.338	11.08	12.4	13.5	14.2
00400 PH (STANDARD UNITS)		04/23/79-05/01/97	252	8.24	8.223	9.17	6.87	0.11	0.332	7.9	8.1	8.43	8.557
00400 CONVERTED PH (STANDARD UNITS)		04/23/79-05/01/97	252	8.24	8.026	9.17	6.87	0.15	0.387	7.9	8.1	8.43	8.557
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/23/79-05/01/97	252	0.006	0.009	0.135	0.001	0.	0.018	0.003	0.004	0.008	0.013

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 7/14 - Station MNRR0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		01/28/83-05/01/97	547	8.5	8.705	22.9	1.5	26.738	5.171	2.5	3.7	12.5	15.64
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		04/23/79-05/01/97	874	730.	744.525	854.	665.	1398.827	37.401	710.	720.	760.	805.5
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/04/65-12/31/75	796	780.	781.737	928.	688.	3840.254	61.97	702.7	727.	827.	864.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-05/01/97	1718	10.5	10.51	15.3	5.	3.822	1.955	7.8	9.1	12.	12.9
00400 PH (STANDARD UNITS)		04/23/79-05/01/97	536	8.35	8.272	8.9	6.91	0.082	0.287	7.9	8.182	8.44	8.513
00400 CONVERTED PH (STANDARD UNITS)		04/23/79-05/01/97	536	8.35	8.128	8.9	6.91	0.103	0.321	7.9	8.182	8.44	8.513
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/23/79-05/01/97	536	0.004	0.007	0.123	0.001	0.	0.011	0.003	0.004	0.007	0.013

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

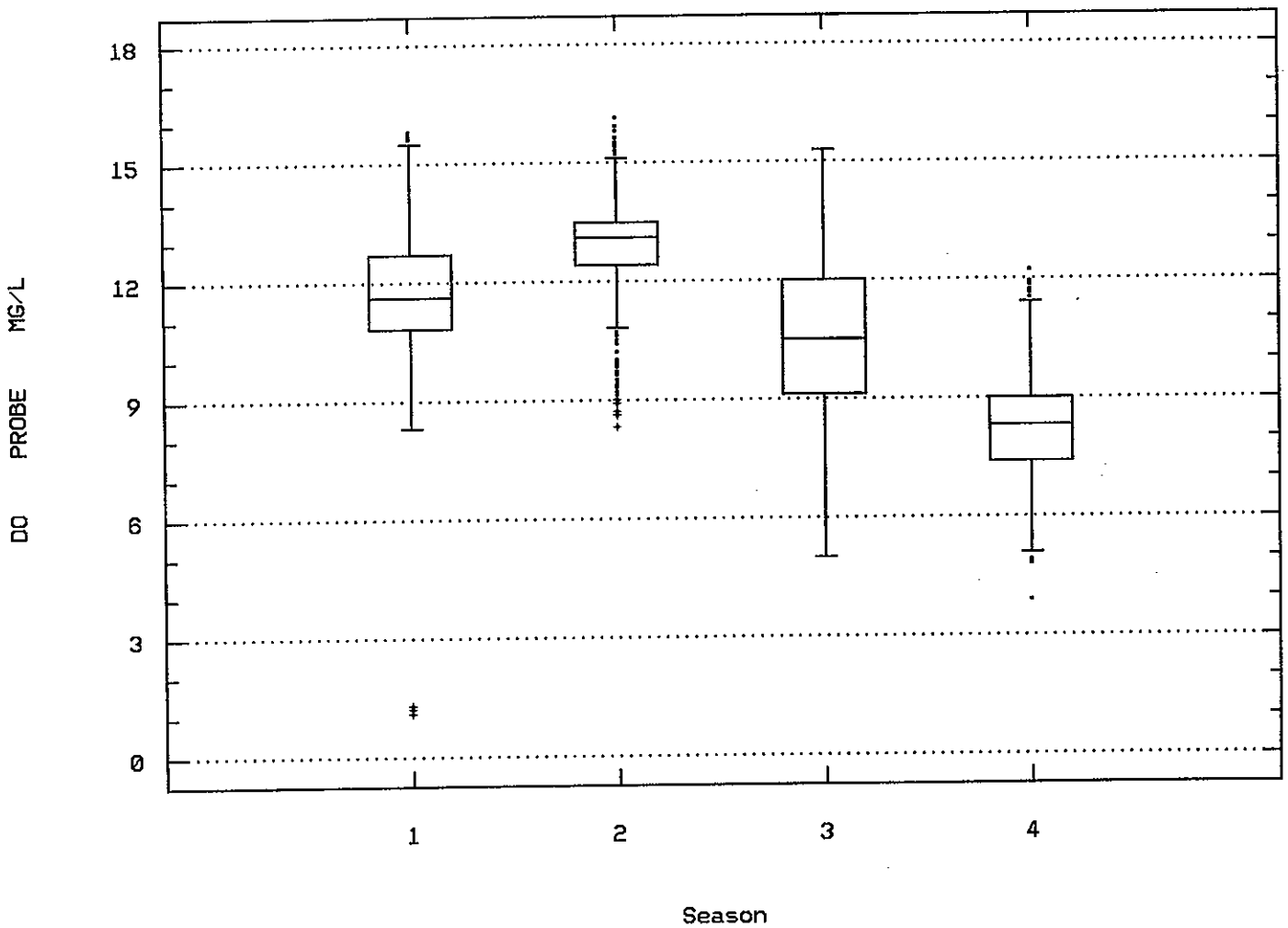
Seasonal Analysis for Season #4: 7/15 to 11/19 - Station MNRR0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		01/28/83-05/01/97	544	20.45	18.665	25.5	5.6	27.735	5.266	10.45	14.6	23.375	24.25
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		04/23/79-05/01/97	830	773.	778.236	857.	6.	2456.504	49.563	739.	756.	805.	829.9
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		05/04/65-12/31/75	768	750.	749.391	846.	445.	2310.288	48.065	692.	717.	788.	800.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/04/65-05/01/97	1653	8.3	8.13	12.2	1.	1.925	1.388	6.1	7.4	9.	9.7
00400 PH (STANDARD UNITS)		04/23/79-05/01/97	486	8.44	8.389	8.68	6.6	0.066	0.258	8.237	8.36	8.51	8.56
00400 CONVERTED PH (STANDARD UNITS)		04/23/79-05/01/97	486	8.44	8.186	8.68	6.6	0.108	0.329	8.237	8.36	8.51	8.56
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/23/79-05/01/97	486	0.004	0.007	0.251	0.002	0.	0.019	0.003	0.003	0.004	0.006

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: MNRR0108 Parameter Code: 00299

OXYGEN ,DISSOLVED, ANALYSIS BY PROBE



MONITOR AT FT RANDALL POWER HOUSE

Station Inventory for Station: MNRR0109

NPS Station ID: MNRR0109 LAT/LON: 43.068059/ -98.553337 Agency: 121MBRCE Date Created: 12/29/76
Location: LAKE FRANCIS CASE NR DAM FIPS State/County: 46023 SOUTH DAKOTA/CHARLES MIX
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 46CER1
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 10140101 Depth of Water: 100 Aquifer:
Major Basin: CENTRAL MISSOURI Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 10140101002 RF1 Mile Point: 1.360 Distance from RF1: 0.40 On/Off RF1: OFF
RF3 Index: 10140101003302.00 RF3 Mile Point: 2.00 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: MNRR0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/13/76-08/26/97	1005	18.	16.485	28.	0.	46.849	6.845	6.	12.25	22.5	24.
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)		04/13/76-08/26/97	121	21.	20.019	49.	2.	56.871	7.541	9.2	15.25	25.	28.8
00025 BAROMETRIC PRESSURE (MM OF HG)		04/23/80-10/07/81	11	726.	727.545	737.	722.	21.473	4.634	722.	724.	731.	735.8
00032 CLOUD COVER (PERCENT)		04/13/76-08/26/97	122	30.	43.336	100.	0.	1695.415	41.175	0.	0.	95.	100.
00035 WIND VELOCITY (MILES PER HOUR)		09/21/76-07/14/97	113	7.	8.996	57.	0.	53.62	7.323	2.	5.	13.5	15.
00060 FLOW, STREAM, MEAN DAILY	CFS	07/21/76-07/21/76	1	39100.	39100.	39100.	39100.	0.	0.	**	**	**	**
00062 ELEVATION, RESERVOIR SURFACE WATER IN FEET		06/20/80-09/18/81	6	1355.	1354.9	1355.7	1354.	0.348	0.59	**	**	**	**
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		04/13/76-08/26/97	114	2.	3.164	70.	0.	44.708	6.686	0.27	1.	3.	5.
00077 TRANSPARENCY, SECCHI DISC (INCHES)		04/13/76-08/24/82	35	84.	89.086	180.	2.	3112.845	55.793	7.2	60.	144.	168.
00078 TRANSPARENCY, SECCHI DISC (METERS)		05/17/83-08/26/97	72	4.	4.652	29.	1.	13.912	3.73	2.	2.275	6.	8.7
00080 COLOR (PLATINUM-COBALT UNITS)		04/13/76-07/14/97	41	7.	8.098	20.	0.	21.74	4.663	3.	5.	10.	15.
00090 OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)		06/24/92-06/24/92	11	0.2	0.2	0.2	0.2	0.	0.	0.2	0.2	0.2	0.2
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		04/13/76-08/26/97	866	759.	754.383	1228.	450.	9901.381	99.506	625.	704.	812.25	861.
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	04/13/76-08/26/97	917	8.4	8.76	18.2	2.	4.74	2.177	6.6	7.5	10.	11.8
00335 COD, .025N K2CR2O7	MG/L	04/13/76-10/04/79	35	8.	7.849	18.	3.	11.906	3.45	3.	5.	10.	12.4
00339 COD, BOTTOM DEPOSITS, DRY WEIGHT	MG/KG	09/15/77-09/15/77	1	51700.	51700.	51700.	51700.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)		04/13/76-08/26/97	589	8.15	8.075	10.	5.1	0.234	0.484	7.4	7.9	8.3	8.5
00400 CONVERTED PH (STANDARD UNITS)		04/13/76-08/26/97	589	8.15	7.465	10.	5.1	0.607	0.779	7.4	7.9	8.3	8.5
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/13/76-08/26/97	589	0.007	0.034	7.943	0.	0.114	0.337	0.003	0.005	0.013	0.04
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/26/76-08/26/97	115	164.	166.748	360.	32.	800.085	28.286	147.6	157.	172.	182.4
00440 BICARBONATE ION (MG/L AS HCO3)		05/26/76-02/22/79	17	195.	197.059	212.	176.	76.684	8.757	185.6	193.	204.	210.4
00502 INVALID PARAMETER		02/22/79-02/22/79	1	515.	515.	515.	515.	0.	0.	**	**	**	**
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		05/26/76-07/14/97	72	535.	549.944	1538.	406.	17363.969	131.772	453.2	502.5	573.5	604.2
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		01/27/77-07/14/97	72	4.	18.958	614.	0.	7115.026	84.351	1.3	2.	7.	12.7
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/13/76-08/26/97	139	0.03	0.048	0.37	0.	0.004	0.062	0.	0.01	0.05	0.11
00611 NITROGEN, AMMONIA, BOTTOM DEPOSITS (MG/KG-N)		09/15/77-09/15/77	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		09/10/80-07/14/97	38	0.005	0.011	0.1	0.	0.	0.022	0.	0.	0.006	0.025
00616 NITRITE NITROGEN, BOTTOM DEPOS. (MG/KG-N DRY WGT)		09/15/77-09/15/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00619 AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)		05/21/80-08/26/97	92##	0.005	0.005	0.03	0.	0.	0.005	0.	0.	0.005	0.01
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		04/13/76-08/26/97	136	0.04	0.068	0.36	0.	0.005	0.071	0.004	0.02	0.1	0.17
00621 NITRATE NITROGEN, BOTTOM DEPOS. (MG/KG-N DRY WGT)		09/15/77-09/15/77	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/13/76-08/26/97	117	0.4	0.582	17.7	0.	2.636	1.624	0.2	0.2	0.5	0.8
00627 NITROGEN KJELDAHL TOTAL BOTTOM DEP DRY WT MG/KG		09/15/77-09/15/77	1	1070.	1070.	1070.	1070.	0.	0.	**	**	**	**
00650 PHOSPHATE, TOTAL (MG/L AS PO4)		04/13/76-09/21/76	4	0.02	0.018	0.03	0.	0.	0.013	**	**	**	**
00660 PHOSPHATE, ORTHO (MG/L AS PO4)		05/26/76-05/26/76	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		05/26/76-08/26/97	134	0.02	0.039	0.6	0.	0.004	0.064	0.005	0.01	0.04	0.09
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)		10/25/77-10/04/79	23	0.01	0.013	0.07	0.	0.	0.016	0.	0.	0.02	0.03
00668 PHOSPHORUS,TOTAL,BOTTOM DEPOSIT (MG/KG-P DRY WGT)		09/15/77-09/15/77	1	650.	650.	650.	650.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: MNRR0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/25/77-10/04/79	26	0.	0.002	0.03	0.	0.	0.006	0.	0.	0.	0.003
00678	PHOSPHORUS,HYDROLYZABLE + ORTHO,TOT,AUTOANALYZER	05/18/77-10/04/79	36	0.01	0.014	0.09	0.	0.	0.016	0.	0.01	0.02	0.03
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/20/77-10/04/79	38	4.	3.855	6.	0.	1.179	1.086	3.	3.	4.	5.1
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	08/13/80-10/11/95	26##	0.005	0.003	0.005	0.	0.	0.002	0.	0.	0.005	0.005
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/21/78-08/26/97	103	255.	258.35	317.	201.	484.72	22.016	230.8	245.	272.	286.
00916	CALCIUM, TOTAL (MG/L AS CA)	05/01/79-08/26/97	52	62.	63.077	83.	46.	47.131	6.865	56.3	59.	67.75	73.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/01/79-08/26/97	52	24.	24.604	36.	17.	11.298	3.361	21.3	23.	25.	30.
00929	SODIUM, TOTAL (MG/L AS NA)	05/01/79-08/26/97	43	75.	73.402	92.	30.	127.262	11.281	61.82	68.	80.	84.6
00931	SODIUM ADSORPTION RATIO	07/09/80-08/26/97	37	2.	1.984	2.4	1.	0.081	0.284	1.7	2.	2.1	2.3
00937	POTASSIUM, TOTAL MG/L AS K)	05/01/79-08/26/97	37	5.	5.765	10.	3.	1.802	1.342	4.88	5.	6.	8.
00940	CHLORIDE,TOTAL IN WATER MG/L	02/23/78-06/11/97	44	11.	11.114	16.	3.	6.243	2.499	9.	10.	12.	14.5
00945	SULFATE, TOTAL (MG/L AS SO4)	05/26/76-07/14/97	77	222.	225.442	360.	150.	1499.881	38.728	178.4	199.	250.	270.2
00951	FLUORIDE, TOTAL (MG/L AS F)	04/13/76-10/04/79	20	0.5	0.514	0.7	0.2	0.014	0.118	0.4	0.42	0.597	0.676
01002	ARSENIC, TOTAL (UG/L AS AS)	04/13/76-06/11/97	65	2.	1.762	11.	0.5	1.852	1.361	1.	1.	2.	3.
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/15/77-09/15/77	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	07/20/78-09/10/80	3	30.	30.	40.	20.	100.	10.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	04/13/76-06/11/97	40	33.	31.425	58.	0.	150.969	12.287	8.3	29.25	36.75	43.
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	09/15/77-09/15/77	1	232.	232.	232.	232.	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	04/13/76-06/11/97	66	0.	0.5	2.	0.	0.285	0.533	0.	0.	1.	1.
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	09/15/77-09/15/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01018	IRON,TOTAL IN BOTTOM DEPOSITS (MG/KG WT WGT-FE)	09/15/77-09/15/77	1	25100.	25100.	25100.	25100.	0.	0.	**	**	**	**
01019	CADMIUM (CD), BOTTOM DEPOSITS, TOTAL, WET WT,MG/KG	09/15/77-09/15/77	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	04/13/76-06/11/97	53	148.	162.396	378.	1.	3883.859	62.321	109.4	128.	186.	242.
01024	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,WET WGT)	09/15/77-09/15/77	1	48.	48.	48.	48.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/13/76-06/11/97	68	1.	1.525	10.	0.	3.99	1.997	0.	0.2	2.	4.1
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/13/76-06/11/97	65	2.5	2.346	17.	0.	10.906	3.302	0.	0.	2.5	7.4
01037	COBALT, TOTAL (UG/L AS CO)	04/13/76-10/04/79	24	3.	2.625	10.	0.	6.418	2.533	0.	0.	4.	5.
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/15/77-09/15/77	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01039	COPPER, TOTAL IN BOTTOM DEPOSITS (MG/KG,WT WGT)	09/15/77-09/15/77	1	44.	44.	44.	44.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/13/76-06/11/97	68	5.	5.684	26.	0.	20.163	4.49	2.	2.5	7.	9.1
01045	IRON, TOTAL (UG/L AS FE)	04/13/76-08/26/97	75	90.	157.093	2450.	0.	92126.707	303.524	31.	58.	157.	261.6
01049	LEAD, DISSOLVED (UG/L AS PB)	07/15/81-07/15/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/13/76-06/11/97	64	11.	16.391	305.	0.	1431.004	37.829	0.	4.5	19.	30.
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/15/77-09/15/77	1	39.	39.	39.	39.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/15/77-09/15/77	1	1330.	1330.	1330.	1330.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/13/76-08/26/97	74	12.	19.757	104.	0.	360.789	18.994	6.	9.	23.5	42.5
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	01/27/77-02/22/79	11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	04/13/76-10/04/79	21	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	09/15/77-09/15/77	1	39.	39.	39.	39.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/13/76-06/11/97	64	6.	5.875	18.	0.	15.254	3.906	0.	2.5	9.75	11.
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/15/77-09/15/77	1	68.	68.	68.	68.	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	04/13/76-06/11/97	63	0.1	0.543	5.	0.	1.212	1.101	0.	0.	1.	1.
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	09/15/77-09/15/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01087	VANADIUM, TOTAL (UG/L AS V)	04/13/76-10/04/79	22	0.	1.227	27.	0.	33.136	5.756	0.	0.	0.	0.
01092	ZINC, TOTAL (UG/L AS ZN)	04/13/76-06/11/97	69	12.	43.319	752.	1.	11772.632	108.502	4.	7.5	28.5	58.
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/15/77-09/15/77	1	127.	127.	127.	127.	0.	0.	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	06/08/82-06/11/97	25##	1.	6.62	70.	0.	303.11	17.41	0.	1.	1.25	28.8
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/13/76-07/15/81	30	98.5	125.733	940.	0.	30792.133	175.477	0.	20.75	175.	249.
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	09/15/77-09/15/77	1	26300.	26300.	26300.	26300.	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	04/13/76-07/15/81	30	47.	47.333	62.	40.	27.471	5.241	40.1	43.75	49.	57.3
01133	LITHIUM IN BOTTOM DEPOSITS (MG/KG AS LI DRY WGT)	09/15/77-09/15/77	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	04/20/77-10/25/77	5	2.	1.8	2.	1.	0.2	0.447	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	04/13/76-07/14/97	55	1.	1.418	4.	0.	0.535	0.731	1.	1.	2.	2.
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/15/77-09/15/77	1	10.	10.	10.	10.	0.	0.	**	**	**	**
10094	INVALID PARAMETER	01/27/77-01/27/77	1	390.	390.	390.	390.	0.	0.	**	**	**	**
30295	PROPACHLOR, WATER, WHOLE, RECOVERABLE, UG/L	06/07/89-06/07/89	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	08/24/82-08/26/97	40	0.5	4.063	25.	0.	34.856	5.904	0.	0.5	6.	14.9
32216	CHLOROPHYLL,TOTAL UG/L TRICHROMATIC UNCORRECTED	10/25/77-10/07/81	31	6.	10.274	65.	0.	181.929	13.488	0.	2.	13.	29.968
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/15/87-08/26/97	28##	0.5	5.732	47.	0.5	121.657	11.03	0.5	0.5	6.75	16.4
32230	CHLOROPHYLL A (MG/L)	04/23/81-04/23/81	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/08/82-05/12/97	15##	5.	4.667	5.	0.	1.667	1.291	3.	5.	5.	5.
34292	N-BUTYL BENZYL PHTHALATE,WHOLE WATER,UG/L	06/13/84-08/11/86	7##	0.17	0.17	0.17	0.17	0.	0.	**	**	**	**
34336	DIETHYL PHTHALATE TOTWUG/L	06/13/84-08/11/86	7##	0.245	0.245	0.245	0.245	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: MNRR0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34341	DIMETHYL PHTHALATE TOTWUG/L	06/13/84-08/11/86	7##	0.145	0.145	0.145	0.145	0.	0.	**	**	**	**
34361	ENDOSULFAN, ALPHA TOTWUG/L	06/08/82-06/12/95	26##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
34596	DI-N-OCTYL PHTHALATE TOTWUG/L	06/13/84-08/11/86	7##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39026	STROBANE,2,3,6-TRICHLOROPHEYLACETIC ACID UG/L	06/08/82-08/20/91	20##	0.05	0.19	0.4	0.05	0.031	0.176	0.05	0.05	0.4	0.4
39033	ATRAZINE IN WHOLE WATER SAMPLE UG/L	06/24/87-08/26/97	21##	0.05	0.088	0.5	0.05	0.011	0.105	0.05	0.05	0.05	0.2
39055	SIMAZINE IN WHOLE WATER (UG/L)	06/24/87-08/26/97	21##	0.05	0.071	0.5	0.05	0.01	0.098	0.05	0.05	0.05	0.05
39100	BIS(2-ETHYLHEXYL) PHTHALATE,WHOLE WATER,UG/L	06/13/84-08/11/86	7##	1.	1.	1.	1.	0.	0.	**	**	**	**
39110	DI-N-BUTYL PHTHALATE,WHOLE WATER,UG/L	06/13/84-08/11/86	7##	0.18	0.18	0.18	0.18	0.	0.	**	**	**	**
39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	06/08/82-08/11/86	10##	0.013	0.013	0.015	0.013	0.	0.001	0.013	0.013	0.013	0.015
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/82-08/26/97	31##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	06/07/89-08/09/89	2##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	06/08/82-08/26/97	32##	0.02	0.032	0.42	0.01	0.005	0.071	0.02	0.02	0.02	0.02
39356	METOLACHLOR(DUAL) IN WHOLE WATER UG/L	06/24/87-08/26/97	21##	0.05	0.071	0.5	0.05	0.01	0.098	0.05	0.05	0.05	0.05
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	06/08/82-08/26/97	31##	0.015	0.014	0.015	0.013	0.	0.001	0.013	0.013	0.015	0.015
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	06/08/82-08/26/97	31##	0.015	0.014	0.015	0.013	0.	0.001	0.013	0.013	0.015	0.015
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/82-08/26/97	31##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	08/28/95-08/26/97	5##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/82-08/26/97	31##	0.015	0.014	0.015	0.01	0.	0.001	0.013	0.013	0.015	0.015
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/08/82-08/26/97	31##	0.05	0.155	0.5	0.05	0.028	0.168	0.05	0.05	0.4	0.4
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/08/82-08/26/97	31##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/82-08/26/97	31##	0.02	0.02	0.02	0.02	0.	0.	0.02	0.02	0.02	0.02
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	08/13/80-08/26/97	35##	0.05	0.217	0.5	0.05	0.049	0.221	0.05	0.05	0.5	0.5
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	06/24/87-08/26/97	21##	0.05	0.16	1.9	0.015	0.169	0.411	0.05	0.05	0.05	0.42
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	06/08/82-08/26/97	31##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
60050	ALGAE, TOTAL (CELLS/ML)	01/27/77-10/08/80	26	180.	587.192	5370.	2.	1480929.602	1216.935	12.9	43.75	365.	2127.
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/23/80-08/26/97	94	0.005	0.012	0.14	0.	0.	0.021	0.	0.	0.01	0.03
70509	PHOSPHORUS,SOLUBLE,BOT. DEPOS.(MG/KG-P DRY WT)	09/15/77-09/15/77	1	6.	6.	6.	6.	0.	0.	**	**	**	**
70511	PHOSPHORUS,ORTHO,IN BOTTOM DEPOS.(MG/KG-P DRY WT)	09/15/77-09/15/77	1	5.	5.	5.	5.	0.	0.	**	**	**	**
71000	COUNT LEVEL OF MOST ABNDNT ALGAE1ST DOMINANT /ML	01/27/77-10/08/80	24	102.	551.792	4650.	2.	1309670.085	1144.408	9.5	25.75	339.	2395.
71001	COUNT LEVEL OF MOST ABNDNT ALGAE2ND DOMINANT /ML	01/27/77-10/08/80	20	18.	42.545	360.	0.9	6191.541	78.686	2.	3.75	53.	80.7
71002	COUNT LEVEL OF MOST ABNDNT ALGAE3RD DOMINANT /ML	01/27/77-10/08/80	14	13.	43.057	360.	0.9	8685.213	93.194	0.9	6.5	31.25	214.5
71003	COUNT LEVEL OF MOST ABNDNT ALGAE4TH DOMINANT /ML	07/01/77-10/08/80	10	7.5	81.98	710.	0.9	48930.935	221.203	0.9	1.725	27.25	644.2
71004	COUNT LEVEL OF MOST ABNDNT ALGAE5TH DOMINANT /ML	05/18/78-09/14/78	5	10.	9.4	17.	1.	60.3	7.765	**	**	**	**
71005	COUNT LEVEL OF MOST ABNDNT ALGAE6TH DOMINANT /ML	05/18/78-09/14/78	5	8.	7.38	17.	0.9	45.622	6.754	**	**	**	**
71006	COUNT LEVEL OF MOST ABNDNT ALGAE7TH DOMINANT /ML	07/06/78-09/14/78	4	9.	8.95	17.	0.8	44.41	6.664	**	**	**	**
71007	COUNT LEVEL OF MOST ABNDNT ALGAE8TH DOMINANT /ML	07/06/78-09/14/78	3	8.	8.6	17.	0.8	65.88	8.117	**	**	**	**
71008	COUNT LEVEL OF MOST ABNDNT ALGAE9TH DOMINANT /ML	07/06/78-09/14/78	2	12.5	12.5	17.	8.	40.5	6.364	**	**	**	**
71009	COUNT LEVEL OF MOST ABNDNT ALGAE10TH DOMINANT /ML	07/06/78-09/14/78	2	12.5	12.5	17.	8.	40.5	6.364	**	**	**	**
71010	GENUS OF MOST ABUNDANT ALGAE 1ST DOMINANT /ML	01/27/77-10/08/80	24	68.	52.083	84.	1.	991.906	31.495	2.	15.	77.	84.
71011	GENUS OF MOST ABUNDANT ALGAE 2ND DOMINANT /ML	01/27/77-10/08/80	20	68.	60.8	92.	12.	440.063	20.978	22.7	48.	70.5	86.
71012	GENUS OF MOST ABUNDANT ALGAE 3RD DOMINANT /ML	01/27/77-10/08/80	14	68.	67.071	92.	28.	363.148	19.056	36.	55.75	85.	92.
71013	GENUS OF MOST ABUNDANT ALGAE 4TH DOMINANT /ML	07/01/77-08/29/79	9	68.	69.556	87.	38.	206.778	14.38	38.	66.5	81.5	87.
71014	GENUS OF MOST ABUNDANT ALGAE 5TH DOMINANT /ML	05/18/78-09/14/78	5	59.	64.6	92.	28.	670.3	25.89	**	**	**	**
71015	GENUS OF MOST ABUNDANT ALGAE 6TH DOMINANT /ML	05/18/78-09/14/78	5	88.	82.	92.	57.	215.5	14.68	**	**	**	**
71016	GENUS OF MOST ABUNDANT ALGAE 7TH DOMINANT /ML	07/06/78-09/14/78	4	82.	81.25	92.	69.	105.583	10.275	**	**	**	**
71017	GENUS OF MOST ABUNDANT ALGAE 8TH DOMINANT /ML	07/06/78-09/14/78	3	57.	52.	77.	22.	775.	27.839	**	**	**	**
71018	GENUS OF MOST ABUNDANT ALGAE 9TH DOMINANT /ML	07/06/78-09/14/78	2	74.	74.	87.	61.	338.	18.385	**	**	**	**
71019	GENUS OF MOST ABUNDANT ALGAE 10TH DOMINANT /ML	07/06/78-09/14/78	2	59.	59.	59.	59.	0.	0.	**	**	**	**
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	04/13/76-09/21/76	4	0.045	0.05	0.08	0.03	0.	0.022	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	04/13/76-10/11/95	56	0.2	0.292	1.5	0.	0.094	0.307	0.	0.025	0.4	0.63
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/15/77-09/15/77	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
72030	ELEVATION OF RESERVOIR POOL (FT ABOVE MSL)	04/13/66-10/10/78	24	1355.	1355.458	1362.	1345.	11.65	3.413	1351.5	1354.	1357.75	1359.5
77729	RAMROD WHOLE WATER,UG/L	06/24/87-08/26/97	20##	0.05	0.068	0.5	0.	0.011	0.103	0.005	0.05	0.05	0.05
77825	ALACHLOR WHOLE WATER,UG/L	06/24/87-08/26/97	21##	0.05	0.071	0.5	0.05	0.01	0.098	0.05	0.05	0.05	0.05
81283	BENZENEHEXACHLORIDE (6H6CL6WHOLE WATER SAMPLE UG/L	06/08/82-08/26/97	29##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
81284	TRIFLURALIN(C13H16F3N3O4) WHOLE WATER SAMPLE UG/L	08/15/94-08/26/97	7##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81408	METRIBUZIN (SENCOR), WATER, WHOLE UG/L	06/24/87-08/26/97	20##	0.05	0.073	0.5	0.05	0.01	0.101	0.05	0.05	0.05	0.05
82052	BANVEL (DICAMBA) WHOLE WATER,UG/L	08/15/94-08/26/97	7##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82611	METRIBUZIN, WHOLE WATER, TOTAL RECOVERABLE UG/L	06/07/89-06/07/89	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: MNRR0109

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	114	1	0.01				4	0	0.00	61	1	0.02	49	0	0.00
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	917	24	0.03				31	0	0.00	521	8	0.02	365	16	0.04
00400 PH	Fresh Chronic	9.	589	13	0.02				22	0	0.00	307	10	0.03	260	3	0.01
	Other-Lo Lim.	6.5	589	3	0.01				22	0	0.00	307	3	0.01	260	0	0.00
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	38	0	0.00				1	0	0.00	19	0	0.00	18	0	0.00
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	136	0	0.00				5	0	0.00	69	0	0.00	62	0	0.00
00720 CYANIDE, TOTAL	Fresh Acute	0.022	26	0	0.00							13	0	0.00	13	0	0.00
	Drinking Water	0.2	26	0	0.00							13	0	0.00	13	0	0.00
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	44	0	0.00				2	0	0.00	20	0	0.00	22	0	0.00
	Drinking Water	250.	44	0	0.00				2	0	0.00	20	0	0.00	22	0	0.00
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	77	20	0.26				3	0	0.00	42	12	0.29	32	8	0.25
00951 FLUORIDE, TOTAL AS F	Drinking Water	4.	20	0	0.00				3	0	0.00	9	0	0.00	8	0	0.00
01002 ARSENIC, TOTAL	Fresh Acute	360.	65	0	0.00				3	0	0.00	31	0	0.00	31	0	0.00
	Drinking Water	50.	65	0	0.00				3	0	0.00	31	0	0.00	31	0	0.00
01005 BARIUM, DISSOLVED	Drinking Water	2000.	3	0	0.00										3	0	0.00
01007 BARIUM, TOTAL	Drinking Water	2000.	40	0	0.00				3	0	0.00	27	0	0.00	10	0	0.00
01012 BERYLLIUM, TOTAL	Fresh Acute	130.	66	0	0.00				3	0	0.00	31	0	0.00	32	0	0.00
	Drinking Water	4.	66	0	0.00				3	0	0.00	31	0	0.00	32	0	0.00
01027 CADMIUM, TOTAL	Fresh Acute	3.9	68	8	0.12				3	1	0.33	31	5	0.16	34	2	0.06
	Drinking Water	5.	68	6	0.09				3	1	0.33	31	4	0.13	34	1	0.03
01034 CHROMIUM, TOTAL	Drinking Water	100.	65	0	0.00				3	0	0.00	31	0	0.00	31	0	0.00
01042 COPPER, TOTAL	Fresh Acute	18.	68	3	0.04				3	0	0.00	31	2	0.06	34	1	0.03
	Drinking Water	1300.	68	0	0.00				3	0	0.00	31	0	0.00	34	0	0.00
01049 LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00										1	0	0.00
	Drinking Water	15.	1	0	0.00										1	0	0.00
01051 LEAD, TOTAL	Fresh Acute	82.	64	1	0.02				3	0	0.00	31	1	0.03	30	0	0.00
	Drinking Water	15.	64	20	0.31				3	2	0.67	31	11	0.35	30	7	0.23
01067 NICKEL, TOTAL	Fresh Acute	1400.	64	0	0.00				3	0	0.00	28	0	0.00	33	0	0.00
	Drinking Water	100.	64	0	0.00				3	0	0.00	28	0	0.00	33	0	0.00
01077 SILVER, TOTAL	Fresh Acute	4.1	60&	0	0.00				3	0	0.00	28	0	0.00	29	0	0.00
	Drinking Water	100.	63	0	0.00				3	0	0.00	28	0	0.00	32	0	0.00
01092 ZINC, TOTAL	Fresh Acute	120.	69	5	0.07				3	0	0.00	32	3	0.09	34	2	0.06
	Drinking Water	5000.	69	0	0.00				3	0	0.00	32	0	0.00	34	0	0.00
01097 ANTIMONY, TOTAL	Fresh Acute	88.	25	0	0.00							16	0	0.00	9	0	0.00
	Drinking Water	6.	23&	2	0.09							16	0	0.00	7	2	0.29
01145 SELENIUM, DISSOLVED	Fresh Acute	20.	5	0	0.00							3	0	0.00	2	0	0.00
	Drinking Water	50.	5	0	0.00							3	0	0.00	2	0	0.00
01147 SELENIUM, TOTAL	Fresh Acute	20.	55	0	0.00				2	0	0.00	32	0	0.00	21	0	0.00
	Drinking Water	50.	55	0	0.00				2	0	0.00	32	0	0.00	21	0	0.00
34361 ENDOSULFAN, ALPHA	Fresh Acute	0.22	26	0	0.00							12	0	0.00	14	0	0.00
39033 ATRAZINE IN WHOLE WATER SAMPLE	Drinking Water	3.	21	0	0.00							11	0	0.00	10	0	0.00
39055 SIMAZINE IN WHOLE WATER	Drinking Water	4.	21	0	0.00							11	0	0.00	10	0	0.00
39100 BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	Fresh Acute	2000.	7	0	0.00							2	0	0.00	5	0	0.00
	Drinking Water	6.	7	0	0.00							2	0	0.00	5	0	0.00
39330 ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	31	0	0.00							14	0	0.00	17	0	0.00
39350 CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	32	0	0.00							15	0	0.00	17	0	0.00
	Drinking Water	2.	32	0	0.00							15	0	0.00	17	0	0.00
39365 DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	31	0	0.00							14	0	0.00	17	0	0.00
39370 DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	31	0	0.00							14	0	0.00	17	0	0.00
39380 DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	31	0	0.00							14	0	0.00	17	0	0.00
39388 ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	5	0	0.00							2	0	0.00	3	0	0.00
39390 ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	31	0	0.00							14	0	0.00	17	0	0.00
	Drinking Water	2.	31	0	0.00							14	0	0.00	17	0	0.00
39400 TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	31	0	0.00							14	0	0.00	17	0	0.00
	Drinking Water	3.	31	0	0.00							14	0	0.00	17	0	0.00
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	31	0	0.00							14	0	0.00	17	0	0.00
	Drinking Water	0.2	31	0	0.00							14	0	0.00	17	0	0.00
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	31	0	0.00							14	0	0.00	17	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: MNRR0109

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
39782 LINDANE IN WHOLE WATER SAMPLE	Fresh Acute	2.	31	0	0.00							14	0	0.00	17	0	0.00
	Drinking Water	0.2	31	0	0.00							14	0	0.00	17	0	0.00
71900 MERCURY, TOTAL	Fresh Acute	2.4	56	0	0.00				3	0	0.00	23	0	0.00	30	0	0.00
	Drinking Water	2.	56	0	0.00				3	0	0.00	23	0	0.00	30	0	0.00
81283 BENZENEHEXACHLORIDE, WHOLE WATER	Fresh Acute	100.	29	0	0.00							13	0	0.00	16	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1976 - Station MNRR0109

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/13/76-08/26/97	31	13.	17.829	25.5	5.	44.587	6.677	12.8	12.8	25.	25.2
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/13/76-08/26/97	6	19.5	20.667	30.	17.	24.267	4.926	**	**	**	**
00032 CLOUD COVER (PERCENT)	04/13/76-08/26/97	8	62.5	56.25	100.	0.	1562.5	39.528	**	**	**	**
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/13/76-08/26/97	6	662.5	679.833	752.	625.	3468.567	58.895	**	**	**	**
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	04/13/76-08/26/97	20	8.45	8.975	12.4	8.	1.638	1.28	8.1	8.2	9.4	12.11
00400p PH (STANDARD UNITS)	04/13/76-08/26/97	6	8.35	8.4	8.7	8.3	0.024	0.155	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	04/13/76-08/26/97	6	8.347	8.38	8.7	8.3	0.024	0.156	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/13/76-08/26/97	6	0.004	0.004	0.005	0.002	0.	0.001	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/76-08/26/97	4	0.045	0.05	0.08	0.03	0.	0.022	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/76-08/26/97	3	0.04	0.053	0.09	0.03	0.001	0.032	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-08/26/97	3	0.02	0.013	0.02	0.	0.	0.012	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station MNRR0109

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/13/76-08/26/97	53	13.	13.226	23.	1.	56.698	7.53	1.4	6.	22.	23.
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/13/76-08/26/97	5	19.	18.2	28.	6.	62.2	7.887	**	**	**	**
00032 CLOUD COVER (PERCENT)	04/13/76-08/26/97	5	100.	61.	100.	0.	2855.	53.432	**	**	**	**
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/13/76-08/26/97	51	720.	682.353	770.	490.	8610.353	92.792	492.	660.	740.	750.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	04/13/76-08/26/97	53	9.	9.258	14.2	5.4	4.492	2.119	6.74	7.55	9.75	12.76
00400p PH (STANDARD UNITS)	04/13/76-08/26/97	48	8.3	8.281	8.6	8.	0.036	0.19	8.	8.1	8.475	8.5
00400p CONVERTED PH (STANDARD UNITS)	04/13/76-08/26/97	48	8.3	8.241	8.6	8.	0.038	0.194	8.	8.1	8.475	8.5
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/13/76-08/26/97	48	0.005	0.006	0.01	0.003	0.	0.003	0.003	0.003	0.008	0.01
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/76-08/26/97	10	0.03	0.025	0.05	0.	0.	0.019	0.	0.	0.035	0.05
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/76-08/26/97	8	0.04	0.041	0.07	0.	0.001	0.023	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-08/26/97	9	0.01	0.018	0.07	0.	0.001	0.023	0.	0.	0.03	0.07

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Annual Analysis for 1978 - Station MNRR0109

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/13/76-08/26/97	68	18.	13.797	24.3	0.	86.151	9.282	0.5	3.	22.	23.5
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/13/76-08/26/97	9	20.	18.	27.	2.5	58.938	7.677	2.5	12.25	23.5	27.
00032 CLOUD COVER (PERCENT)	04/13/76-08/26/97	9	40.	50.	100.	0.	1593.75	39.922	0.	15.	92.5	100.
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/13/76-08/26/97	44	716.5	716.818	764.	642.	1063.268	32.608	663.	700.	740.	757.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	04/13/76-08/26/97	57	9.2	10.121	14.6	3.8	8.248	2.872	6.4	7.7	12.4	14.4
00400p PH (STANDARD UNITS)	04/13/76-08/26/97	44	8.2	8.136	8.7	7.6	0.101	0.318	7.6	7.85	8.4	8.5
00400p CONVERTED PH (STANDARD UNITS)	04/13/76-08/26/97	44	8.2	8.016	8.7	7.6	0.116	0.341	7.6	7.85	8.4	8.5
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/13/76-08/26/97	44	0.006	0.01	0.025	0.002	0.	0.008	0.003	0.004	0.014	0.025
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/76-08/26/97	17	0.03	0.037	0.13	0.	0.001	0.03	0.	0.02	0.045	0.074
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/76-08/26/97	17	0.1	0.1	0.18	0.	0.002	0.047	0.024	0.09	0.125	0.18
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-08/26/97	15	0.02	0.023	0.1	0.	0.001	0.024	0.	0.01	0.02	0.07

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Annual Analysis for 1979 - Station MNRR0109

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/13/76-08/26/97	84	19.5	15.473	25.	0.	70.802	8.414	0.5	6.375	22.75	24.5
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/13/76-08/26/97	9	27.	22.722	49.	5.	186.444	13.654	5.	10.5	29.	49.

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Annual Analysis for 1979 - Station MNRR0109

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00032 CLOUD COVER (PERCENT)	04/13/76-08/26/97	9	15.	46.556	100.	0.	2055.528	45.338	0.	10.	99.5	100.
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/13/76-08/26/97	55	765.	726.727	790.	581.	4997.276	70.691	600.	725.	775.	780.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	04/13/76-08/26/97	64	10.7	10.444	13.5	3.3	5.385	2.321	7.4	9.4	12.5	12.8
00400p PH (STANDARD UNITS)	04/13/76-08/26/97	65	8.1	8.131	8.5	7.8	0.022	0.149	8.	8.	8.2	8.4
00400p CONVERTED PH (STANDARD UNITS)	04/13/76-08/26/97	65	8.1	8.107	8.5	7.8	0.023	0.151	8.	8.	8.2	8.4
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/13/76-08/26/97	65	0.008	0.008	0.016	0.003	0.	0.002	0.004	0.006	0.01	0.01
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/76-08/26/97	12	0.04	0.048	0.11	0.01	0.001	0.034	0.013	0.02	0.073	0.11
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/76-08/26/97	12	0.04	0.058	0.15	0.01	0.002	0.044	0.013	0.023	0.1	0.138
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-08/26/97	11	0.02	0.022	0.03	0.01	0.	0.006	0.012	0.02	0.03	0.03

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Annual Analysis for 1980 - Station MNRR0109

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/13/76-08/26/97	60	21.3	18.715	25.5	5.5	39.283	6.268	6.5	16.825	23.5	24.
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/13/76-08/26/97	9	21.	19.678	29.	6.	39.847	6.312	6.	17.	23.	29.
00032 CLOUD COVER (PERCENT)	04/13/76-08/26/97	9	10.	25.556	100.	0.	1396.528	37.37	0.	2.5	50.	100.
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/13/76-08/26/97	42	790.	786.19	830.	660.	1483.573	38.517	735.	760.	817.	829.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	04/13/76-08/26/97	42	8.	9.2	13.6	4.9	7.13	2.67	6.5	7.2	12.6	13.
00400p PH (STANDARD UNITS)	04/13/76-08/26/97	35	8.3	8.243	8.6	7.7	0.05	0.223	8.	8.1	8.4	8.54
00400p CONVERTED PH (STANDARD UNITS)	04/13/76-08/26/97	35	8.3	8.187	8.6	7.7	0.053	0.23	8.	8.1	8.4	8.54
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/13/76-08/26/97	35	0.005	0.007	0.02	0.003	0.	0.004	0.003	0.004	0.008	0.01
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/76-08/26/97	10	0.02	0.03	0.09	0.	0.001	0.033	0.	0.	0.05	0.089
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/76-08/26/97	10	0.01	0.018	0.07	0.	0.	0.02	0.	0.008	0.023	0.066
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-08/26/97	10	0.025	0.04	0.19	0.01	0.003	0.055	0.01	0.01	0.038	0.177

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Annual Analysis for 1981 - Station MNRR0109

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/13/76-08/26/97	60	19.6	18.367	24.3	7.2	26.557	5.153	7.41	14.4	22.75	23.5
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/13/76-08/26/97	9	24.	21.222	25.5	13.	24.444	4.944	13.	16.5	25.	25.5
00032 CLOUD COVER (PERCENT)	04/13/76-08/26/97	9	70.	56.444	100.	0.	1703.778	41.277	0.	10.	99.	100.
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/13/76-08/26/97	42	832.	826.167	851.	790.	318.24	17.839	795.	817.5	836.	845.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	04/13/76-08/26/97	42	7.6	8.181	11.4	4.1	2.758	1.661	6.86	7.4	9.1	11.4
00400p PH (STANDARD UNITS)	04/13/76-08/26/97	42	8.2	8.224	8.4	7.8	0.016	0.125	8.1	8.2	8.3	8.4
00400p CONVERTED PH (STANDARD UNITS)	04/13/76-08/26/97	42	8.2	8.205	8.4	7.8	0.016	0.126	8.1	8.2	8.3	8.4
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/13/76-08/26/97	42	0.006	0.006	0.016	0.004	0.	0.002	0.004	0.005	0.006	0.008
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/76-08/26/97	9	0.02	0.059	0.22	0.	0.007	0.081	0.	0.	0.12	0.22
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/76-08/26/97	9	0.	0.002	0.01	0.	0.	0.004	0.	0.	0.005	0.01
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-08/26/97	9	0.01	0.079	0.6	0.	0.038	0.196	0.	0.01	0.025	0.6

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Annual Analysis for 1982 - Station MNRR0109

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/13/76-08/26/97	25	17.5	18.988	25.	14.	16.476	4.059	14.62	15.5	24.	24.7
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/13/76-08/26/97	3	20.5	20.833	22.	20.	1.083	1.041	**	**	**	**
00032 CLOUD COVER (PERCENT)	04/13/76-08/26/97	3	95.	81.667	100.	50.	758.333	27.538	**	**	**	**
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	04/13/76-08/26/97	25	5.9	6.028	9.	3.2	4.472	2.115	3.2	3.8	8.6	8.8

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Annual Analysis for 1982 - Station MNRR0109

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/76-08/26/97	3	0.	0.077	0.23	0.	0.018	0.133	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/76-08/26/97	3	0.01	0.013	0.03	0.	0.	0.015	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-08/26/97	3	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**

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Annual Analysis for 1983 - Station MNRR0109

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/13/76-08/26/97	37	19.5	17.832	28.	7.8	33.238	5.765	7.98	14.5	21.5	25.2
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/13/76-08/26/97	5	22.5	21.9	33.5	8.	83.925	9.161	**	**	**	**
00032 CLOUD COVER (PERCENT)	04/13/76-08/26/97	5	5.	28.	100.	0.	1832.5	42.808	**	**	**	**
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/13/76-08/26/97	37	825.	838.892	970.	750.	3344.044	57.828	777.2	800.	900.	924.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	04/13/76-08/26/97	37	8.1	8.189	11.8	4.3	4.489	2.119	4.9	7.25	8.85	11.56
00400p PH (STANDARD UNITS)	04/13/76-08/26/97	2	8.45	8.45	8.5	8.4	0.005	0.071	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	04/13/76-08/26/97	2	8.447	8.447	8.5	8.4	0.005	0.071	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/13/76-08/26/97	2	0.004	0.004	0.004	0.003	0.	0.001	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/76-08/26/97	5	0.03	0.036	0.08	0.	0.001	0.03	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/76-08/26/97	5	0.04	0.056	0.14	0.02	0.002	0.048	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-08/26/97	5	0.01	0.026	0.09	0.	0.001	0.036	**	**	**	**

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Annual Analysis for 1984 - Station MNRR0109

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/13/76-08/26/97	41	15.2	16.017	26.	4.5	51.269	7.16	4.8	12.	22.75	26.
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/13/76-08/26/97	5	22.	18.8	28.	7.	79.7	8.927	**	**	**	**
00032 CLOUD COVER (PERCENT)	04/13/76-08/26/97	5	90.	62.	100.	10.	2270.	47.645	**	**	**	**
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/13/76-08/26/97	33	707.	763.788	1228.	573.	34806.547	186.565	581.	581.	847.5	1114.2
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	04/13/76-08/26/97	41	10.	10.21	12.6	7.8	2.253	1.501	8.3	8.6	11.6	12.2
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/76-08/26/97	5	0.06	0.094	0.21	0.	0.009	0.095	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/76-08/26/97	5	0.04	0.042	0.08	0.	0.001	0.03	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-08/26/97	5	0.02	0.028	0.08	0.01	0.001	0.029	**	**	**	**

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Annual Analysis for 1985 - Station MNRR0109

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/13/76-08/26/97	47	18.7	15.904	24.	0.	48.538	6.967	2.4	9.	22.	23.
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/13/76-08/26/97	6	19.5	16.667	26.	2.	87.067	9.331	**	**	**	**
00032 CLOUD COVER (PERCENT)	04/13/76-08/26/97	6	7.5	21.667	100.	0.	1526.667	39.073	**	**	**	**
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/13/76-08/26/97	47	713.	707.787	791.	483.	3421.997	58.498	621.	666.	750.	765.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	04/13/76-08/26/97	47	8.5	8.651	18.2	3.5	11.437	3.382	4.	7.4	9.5	12.66
00400p PH (STANDARD UNITS)	04/13/76-08/26/97	35	8.2	8.186	8.4	7.75	0.014	0.12	8.06	8.15	8.25	8.34
00400p CONVERTED PH (STANDARD UNITS)	04/13/76-08/26/97	35	8.2	8.168	8.4	7.75	0.015	0.122	8.06	8.15	8.25	8.34
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/13/76-08/26/97	35	0.006	0.007	0.018	0.004	0.	0.002	0.005	0.006	0.007	0.009
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/76-08/26/97	6	0.035	0.052	0.14	0.005	0.003	0.054	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/76-08/26/97	6##	0.018	0.033	0.09	0.005	0.001	0.036	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-08/26/97	6	0.04	0.06	0.2	0.01	0.005	0.07	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1986 - Station MNRR0109

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/13/76-08/26/97	35	10.	11.82	21.	3.	45.175	6.721	3.2	3.5	18.	21.
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/13/76-08/26/97	4	17.	17.25	24.	11.	30.917	5.56	**	**	**	**
00032 CLOUD COVER (PERCENT)	04/13/76-08/26/97	4	62.5	56.25	100.	0.	2422.917	49.223	**	**	**	**
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/13/76-08/26/97	35	754.	744.714	839.	670.	1475.563	38.413	696.	708.	770.	782.8
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	04/13/76-08/26/97	35	8.7	9.083	12.2	5.2	4.648	2.156	5.82	7.9	11.6	12.
00400p PH (STANDARD UNITS)	04/13/76-08/26/97	26	7.275	7.575	8.6	6.9	0.379	0.616	7.	7.15	8.4	8.5
00400p CONVERTED PH (STANDARD UNITS)	04/13/76-08/26/97	26	7.274	7.308	8.6	6.9	0.453	0.673	7.	7.15	8.4	8.5
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/13/76-08/26/97	26	0.053	0.049	0.126	0.003	0.001	0.037	0.003	0.004	0.071	0.1
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/76-08/26/97	6	0.03	0.04	0.1	0.02	0.001	0.03	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/76-08/26/97	6	0.045	0.039	0.06	0.005	0.001	0.022	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-08/26/97	6	0.04	0.038	0.07	0.005	0.001	0.023	**	**	**	**

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Annual Analysis for 1987 - Station MNRR0109

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/13/76-08/26/97	50	14.	15.2	24.	3.	66.286	8.142	3.	7.75	23.5	24.
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/13/76-08/26/97	6	19.	21.333	41.	11.	109.867	10.482	**	**	**	**
00032 CLOUD COVER (PERCENT)	04/13/76-08/26/97	6	40.	48.333	100.	0.	1896.667	43.551	**	**	**	**
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/13/76-08/26/97	50	805.	809.74	910.	690.	4809.258	69.349	690.	759.	872.5	908.9
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	04/13/76-08/26/97	50	8.9	9.152	12.1	7.	3.182	1.784	7.21	7.5	10.325	12.1
00400p PH (STANDARD UNITS)	04/13/76-08/26/97	50	7.4	7.575	9.	6.55	0.515	0.718	6.65	7.25	8.2	8.78
00400p CONVERTED PH (STANDARD UNITS)	04/13/76-08/26/97	50	7.4	7.155	9.	6.55	0.695	0.834	6.65	7.25	8.2	8.78
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/13/76-08/26/97	50	0.04	0.07	0.282	0.001	0.007	0.086	0.002	0.006	0.057	0.224
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/76-08/26/97	6	0.025	0.03	0.06	0.01	0.	0.018	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/76-08/26/97	6	0.045	0.059	0.2	0.005	0.005	0.072	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-08/26/97	6	0.025	0.032	0.09	0.005	0.001	0.032	**	**	**	**

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Annual Analysis for 1988 - Station MNRR0109

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/13/76-08/26/97	42	17.25	17.2	25.	7.	44.815	6.694	7.5	11.75	24.125	25.
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/13/76-08/26/97	5	22.	20.	29.	8.	67.5	8.216	**	**	**	**
00032 CLOUD COVER (PERCENT)	04/13/76-08/26/97	5	0.	0.	0.	0.	0.	0.	**	**	**	**
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/13/76-08/26/97	42	780.	762.929	899.	633.	4732.946	68.796	646.7	711.75	802.5	851.4
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	04/13/76-08/26/97	42	7.55	8.169	11.2	2.	3.891	1.973	6.6	6.975	9.4	11.2
00400p PH (STANDARD UNITS)	04/13/76-08/26/97	29	8.2	8.155	8.5	7.7	0.033	0.18	8.	8.	8.3	8.4
00400p CONVERTED PH (STANDARD UNITS)	04/13/76-08/26/97	29	8.2	8.118	8.5	7.7	0.034	0.184	8.	8.	8.3	8.4
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/13/76-08/26/97	29	0.006	0.008	0.02	0.003	0.	0.003	0.004	0.005	0.01	0.01
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/76-08/26/97	5	0.03	0.075	0.27	0.01	0.012	0.11	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/76-08/26/97	5##	0.05	0.073	0.16	0.005	0.003	0.059	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-08/26/97	5	0.03	0.045	0.1	0.005	0.001	0.036	**	**	**	**

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Annual Analysis for 1989 - Station MNRR0109

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/13/76-08/26/97	40	17.25	15.588	24.	7.	37.37	6.113	8.	9.25	22.	22.9
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/13/76-08/26/97	5	15.	16.9	27.	10.5	39.05	6.249	**	**	**	**

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Annual Analysis for 1989 - Station MNRR0109

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00032 CLOUD COVER (PERCENT)	04/13/76-08/26/97	5	90.	70.	100.	20.	1400.	37.417	**	**	**	**
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/13/76-08/26/97	40	840.	853.65	1075.	750.	3235.926	56.885	800.5	825.	889.	918.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	04/13/76-08/26/97	40	8.9	8.95	10.5	7.	1.328	1.152	7.12	8.325	10.	10.5
00400p PH (STANDARD UNITS)	04/13/76-08/26/97	40	7.85	7.943	8.9	7.5	0.078	0.279	7.7	7.725	8.1	8.3
00400p CONVERTED PH (STANDARD UNITS)	04/13/76-08/26/97	40	7.847	7.875	8.9	7.5	0.083	0.287	7.7	7.725	8.1	8.3
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/13/76-08/26/97	40	0.014	0.013	0.032	0.001	0.	0.006	0.005	0.008	0.019	0.02
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/76-08/26/97	6##	0.008	0.024	0.06	0.005	0.001	0.028	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/76-08/26/97	6	0.04	0.048	0.11	0.02	0.001	0.032	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-08/26/97	6	0.03	0.037	0.09	0.005	0.001	0.034	**	**	**	**

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Annual Analysis for 1990 - Station MNRR0109

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/13/76-08/26/97	43	20.	17.488	24.	7.5	35.863	5.989	8.	13.	23.	23.
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/13/76-08/26/97	5	17.	18.24	31.	6.	99.088	9.954	**	**	**	**
00032 CLOUD COVER (PERCENT)	04/13/76-08/26/97	5	70.	61.	100.	15.	1380.	37.148	**	**	**	**
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/13/76-08/26/97	43	861.	880.581	1008.	819.	2659.487	51.57	830.4	840.	910.	961.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	04/13/76-08/26/97	43	8.1	8.212	11.	6.3	1.18	1.086	6.94	7.1	9.	9.4
00400p PH (STANDARD UNITS)	04/13/76-08/26/97	43	8.1	8.263	9.8	7.8	0.258	0.508	7.84	8.	8.3	9.4
00400p CONVERTED PH (STANDARD UNITS)	04/13/76-08/26/97	43	8.1	8.101	9.8	7.8	0.285	0.534	7.84	8.	8.3	9.4
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/13/76-08/26/97	43	0.008	0.008	0.016	0.	0.	0.005	0.	0.005	0.01	0.015
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/76-08/26/97	5##	0.01	0.072	0.31	0.01	0.018	0.133	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/76-08/26/97	5	0.18	0.184	0.27	0.08	0.007	0.082	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-08/26/97	5	0.04	0.034	0.05	0.02	0.	0.013	**	**	**	**

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Annual Analysis for 1991 - Station MNRR0109

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/13/76-08/26/97	45	21.	18.267	24.	5.	40.882	6.394	7.	13.5	23.	24.
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/13/76-08/26/97	5	20.	17.8	29.	7.	83.7	9.149	**	**	**	**
00032 CLOUD COVER (PERCENT)	04/13/76-08/26/97	5	10.	19.	65.	0.	730.	27.019	**	**	**	**
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/13/76-08/26/97	45	800.	816.133	1050.	700.	8622.936	92.86	700.	750.	852.5	1005.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	04/13/76-08/26/97	35	8.5	9.026	11.4	7.	1.778	1.334	7.62	8.3	9.3	11.3
00400p PH (STANDARD UNITS)	04/13/76-08/26/97	45	8.	7.951	8.5	7.1	0.172	0.415	7.2	7.65	8.3	8.4
00400p CONVERTED PH (STANDARD UNITS)	04/13/76-08/26/97	45	8.	7.732	8.5	7.1	0.221	0.47	7.2	7.65	8.3	8.4
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/13/76-08/26/97	45	0.01	0.019	0.079	0.003	0.	0.021	0.004	0.005	0.023	0.063
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/76-08/26/97	5##	0.01	0.044	0.18	0.01	0.006	0.076	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/76-08/26/97	5	0.14	0.14	0.28	0.005	0.018	0.135	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-08/26/97	5	0.01	0.014	0.03	0.005	0.	0.011	**	**	**	**

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Annual Analysis for 1992 - Station MNRR0109

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/13/76-08/26/97	40	14.5	15.903	22.2	8.	15.198	3.898	11.	13.9	19.8	20.59
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/13/76-08/26/97	4	24.	24.25	29.	20.	13.583	3.686	**	**	**	**
00032 CLOUD COVER (PERCENT)	04/13/76-08/26/97	4	20.	20.	30.	10.	133.333	11.547	**	**	**	**
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/13/76-08/26/97	40	747.	715.025	806.	585.	4337.051	65.856	600.3	645.	768.25	780.

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Annual Analysis for 1992 - Station MNRR0109

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	04/13/76-08/26/97	40	8.3	8.662	10.2	7.2	1.029	1.014	7.5	7.8	10.	10.2
00400p PH (STANDARD UNITS)	04/13/76-08/26/97	20	8.215	8.138	8.74	7.2	0.12	0.346	7.51	8.09	8.288	8.445
00400p CONVERTED PH (STANDARD UNITS)	04/13/76-08/26/97	20	8.215	7.961	8.74	7.2	0.153	0.391	7.51	8.09	8.288	8.445
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/13/76-08/26/97	20	0.006	0.011	0.063	0.002	0.	0.014	0.004	0.005	0.008	0.031
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/76-08/26/97	3	0.04	0.04	0.07	0.01	0.001	0.03	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/76-08/26/97	3	0.07	0.077	0.15	0.01	0.005	0.07	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-08/26/97	3	0.05	0.103	0.24	0.02	0.014	0.119	**	**	**	**

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Annual Analysis for 1993 - Station MNRR0109

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/13/76-08/26/97	40	17.5	16.32	25.5	5.	44.854	6.697	6.82	9.975	23.	24.9
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/13/76-08/26/97	4	23.	22.25	26.	17.	20.25	4.5	**	**	**	**
00032 CLOUD COVER (PERCENT)	04/13/76-08/26/97	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/13/76-08/26/97	40	637.5	659.35	900.	450.	28839.977	169.823	450.	504.	825.	885.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	04/13/76-08/26/97	40	7.7	7.628	10.6	3.9	2.59	1.609	4.73	7.05	8.85	9.8
00400p PH (STANDARD UNITS)	04/13/76-08/26/97	12	7.95	7.933	8.3	7.6	0.061	0.246	7.6	7.65	8.175	8.27
00400p CONVERTED PH (STANDARD UNITS)	04/13/76-08/26/97	12	7.947	7.87	8.3	7.6	0.065	0.255	7.6	7.65	8.175	8.27
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/13/76-08/26/97	12	0.011	0.013	0.025	0.005	0.	0.008	0.005	0.007	0.023	0.025
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/76-08/26/97	4##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/76-08/26/97	4##	0.053	0.055	0.11	0.005	0.003	0.058	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-08/26/97	4	0.015	0.015	0.02	0.01	0.	0.006	**	**	**	**

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Annual Analysis for 1994 - Station MNRR0109

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/13/76-08/26/97	46	20.	19.913	24.	14.	9.014	3.002	15.7	17.	23.	23.
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/13/76-08/26/97	5	24.	22.8	32.	12.	52.7	7.259	**	**	**	**
00032 CLOUD COVER (PERCENT)	04/13/76-08/26/97	5	50.	45.6	98.	0.	2026.8	45.02	**	**	**	**
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/13/76-08/26/97	46	708.	695.065	813.	561.	3643.04	60.358	607.6	657.25	735.	773.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	04/13/76-08/26/97	36	7.8	7.433	8.2	3.8	0.845	0.919	6.36	7.125	8.1	8.13
00400p PH (STANDARD UNITS)	04/13/76-08/26/97	6	7.7	7.517	7.8	6.7	0.186	0.431	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	04/13/76-08/26/97	6	7.689	7.284	7.8	6.7	0.251	0.501	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/13/76-08/26/97	6	0.02	0.052	0.2	0.016	0.005	0.073	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/76-08/26/97	6##	0.01	0.033	0.1	0.01	0.001	0.038	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/76-08/26/97	6	0.02	0.023	0.03	0.02	0.	0.005	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-08/26/97	6	0.015	0.015	0.02	0.01	0.	0.005	**	**	**	**

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Annual Analysis for 1995 - Station MNRR0109

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/13/76-08/26/97	47	16.	15.819	26.	6.	41.418	6.436	6.	11.	20.	25.
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/13/76-08/26/97	4	17.5	19.	26.	15.	23.333	4.83	**	**	**	**
00032 CLOUD COVER (PERCENT)	04/13/76-08/26/97	5	0.	8.4	40.	0.	312.8	17.686	**	**	**	**
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/13/76-08/26/97	47	749.	749.957	840.	679.	1383.172	37.191	708.	720.	780.	800.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	04/13/76-08/26/97	47	8.1	8.436	10.2	5.	1.541	1.241	6.96	7.5	9.5	10.02
00400p PH (STANDARD UNITS)	04/13/76-08/26/97	15	8.5	8.367	10.	7.4	0.647	0.804	7.46	7.6	9.	9.7

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Annual Analysis for 1995 - Station MNRR0109

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p CONVERTED PH (STANDARD UNITS)	04/13/76-08/26/97	15	8.5	7.899	10.	7.4	0.881	0.938	7.46	7.6	9.	9.7
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/13/76-08/26/97	15	0.003	0.013	0.04	0.	0.	0.014	0.	0.001	0.025	0.035
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/76-08/26/97	4	0.045	0.048	0.09	0.01	0.001	0.033	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/76-08/26/97	4	0.095	0.11	0.22	0.03	0.006	0.08	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-08/26/97	4	0.04	0.048	0.08	0.03	0.	0.022	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1996 - Station MNRR0109

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/13/76-08/26/97	39	21.	18.308	24.	9.	31.482	5.611	10.	12.	24.	24.
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/13/76-08/26/97	4	23.	22.	24.	18.	8.	2.828	**	**	**	**
00032 CLOUD COVER (PERCENT)	04/13/76-08/26/97	4	50.	46.25	80.	5.	956.25	30.923	**	**	**	**
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/13/76-08/26/97	39	732.	741.564	880.	675.	1808.042	42.521	700.	715.	759.	798.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	04/13/76-08/26/97	39	8.2	8.008	10.3	3.5	2.552	1.598	5.9	7.2	9.8	10.
00400p PH (STANDARD UNITS)	04/13/76-08/26/97	12	8.8	8.025	9.1	5.1	2.155	1.468	5.31	6.6	8.9	9.07
00400p CONVERTED PH (STANDARD UNITS)	04/13/76-08/26/97	12	8.789	6.056	9.1	5.1	6.383	2.527	5.31	6.6	8.9	9.07
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/13/76-08/26/97	12	0.002	0.879	7.943	0.001	5.213	2.283	0.001	0.001	0.751	6.036
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/76-08/26/97	4	0.125	0.158	0.37	0.01	0.029	0.17	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/76-08/26/97	4	0.15	0.158	0.21	0.12	0.002	0.041	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-08/26/97	4	0.125	0.128	0.17	0.09	0.002	0.043	**	**	**	**

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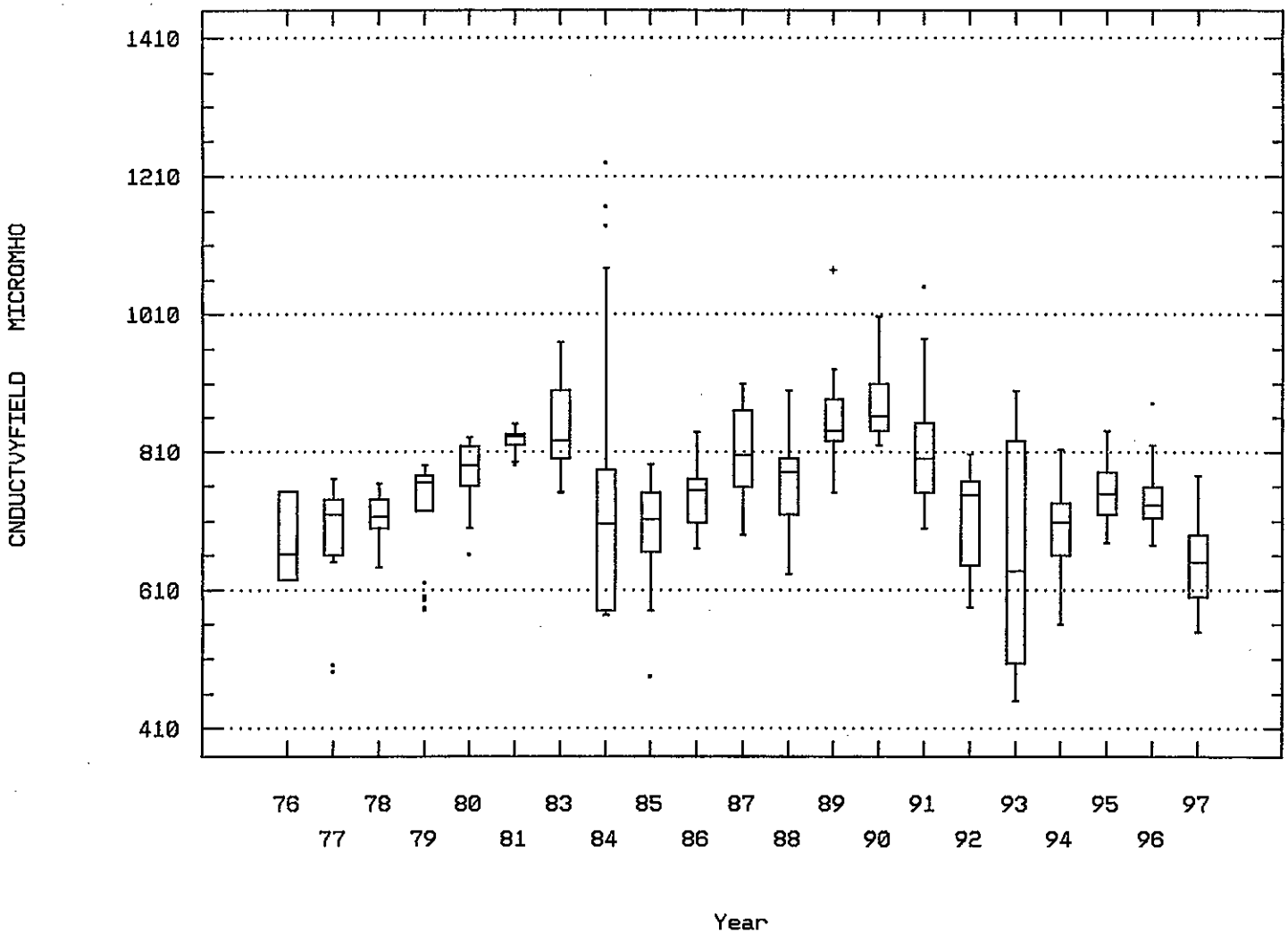
Annual Analysis for 1997 - Station MNRR0109

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/13/76-08/26/97	32	19.	17.391	21.	10.	10.883	3.299	12.5	14.25	20.	21.
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/13/76-08/26/97	4	20.5	20.25	28.	12.	56.25	7.5	**	**	**	**
00032 CLOUD COVER (PERCENT)	04/13/76-08/26/97	3	100.	100.	100.	100.	0.	0.	**	**	**	**
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/13/76-08/26/97	42	650.5	648.31	775.	550.	3490.414	59.08	572.	599.5	691.5	741.9
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	04/13/76-08/26/97	42	8.3	7.983	10.8	3.2	4.688	2.165	3.89	6.75	9.525	10.6
00400p PH (STANDARD UNITS)	04/13/76-08/26/97	14	8.35	8.336	8.8	7.9	0.098	0.313	7.9	8.05	8.625	8.75
00400p CONVERTED PH (STANDARD UNITS)	04/13/76-08/26/97	14	8.347	8.234	8.8	7.9	0.109	0.33	7.9	8.05	8.625	8.75
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/13/76-08/26/97	14	0.004	0.006	0.013	0.002	0.	0.004	0.002	0.002	0.009	0.013
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/76-08/26/97	4	0.05	0.06	0.13	0.01	0.003	0.053	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/76-08/26/97	4	0.21	0.235	0.36	0.16	0.009	0.093	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-08/26/97	4	0.11	0.103	0.12	0.07	0.001	0.024	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: MNRR0109 Parameter Code: 00094

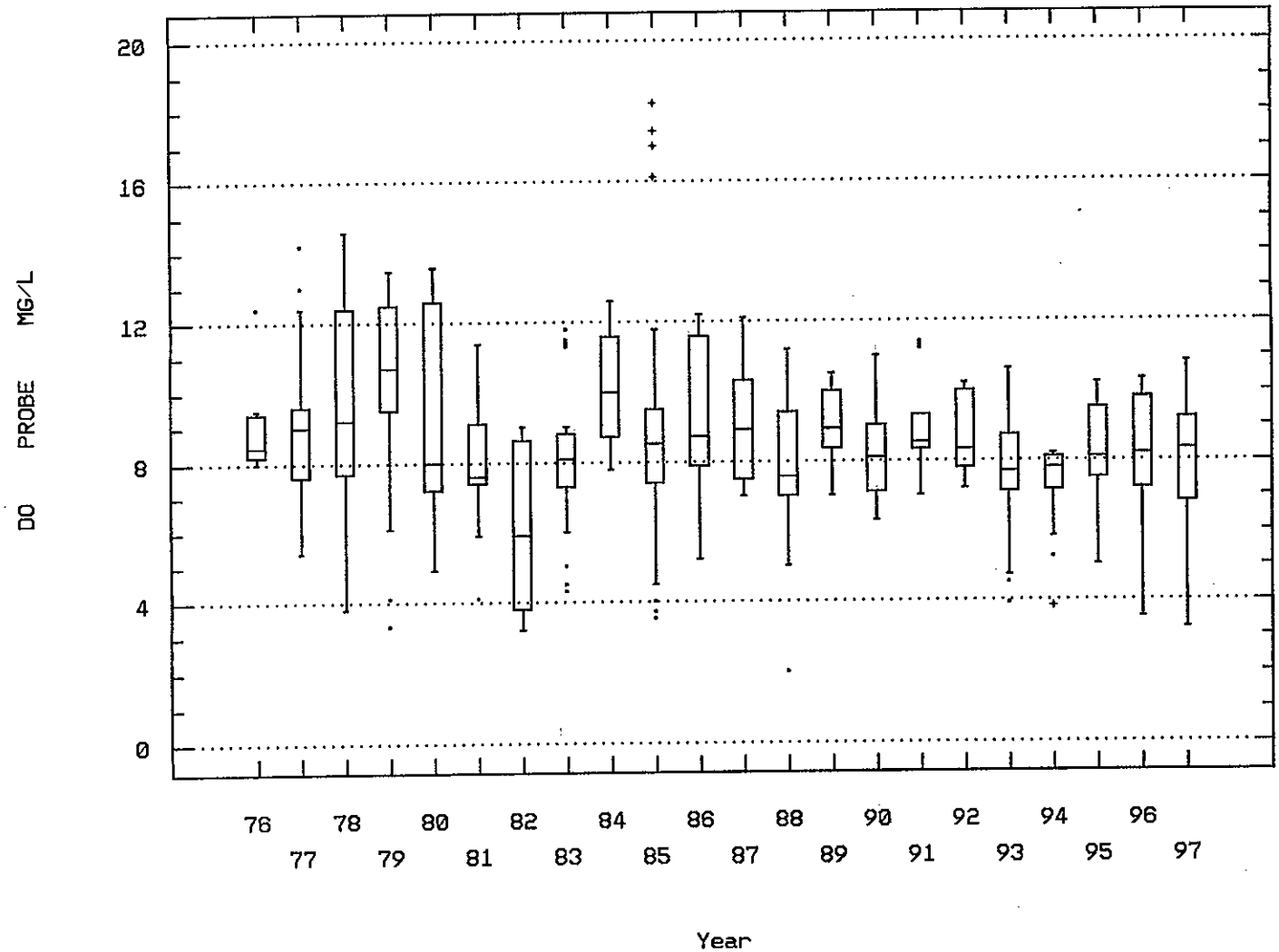
SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @



LAKE FRANCIS CASE NR DAM

Station: MNRR0109 Parameter Code: 00299

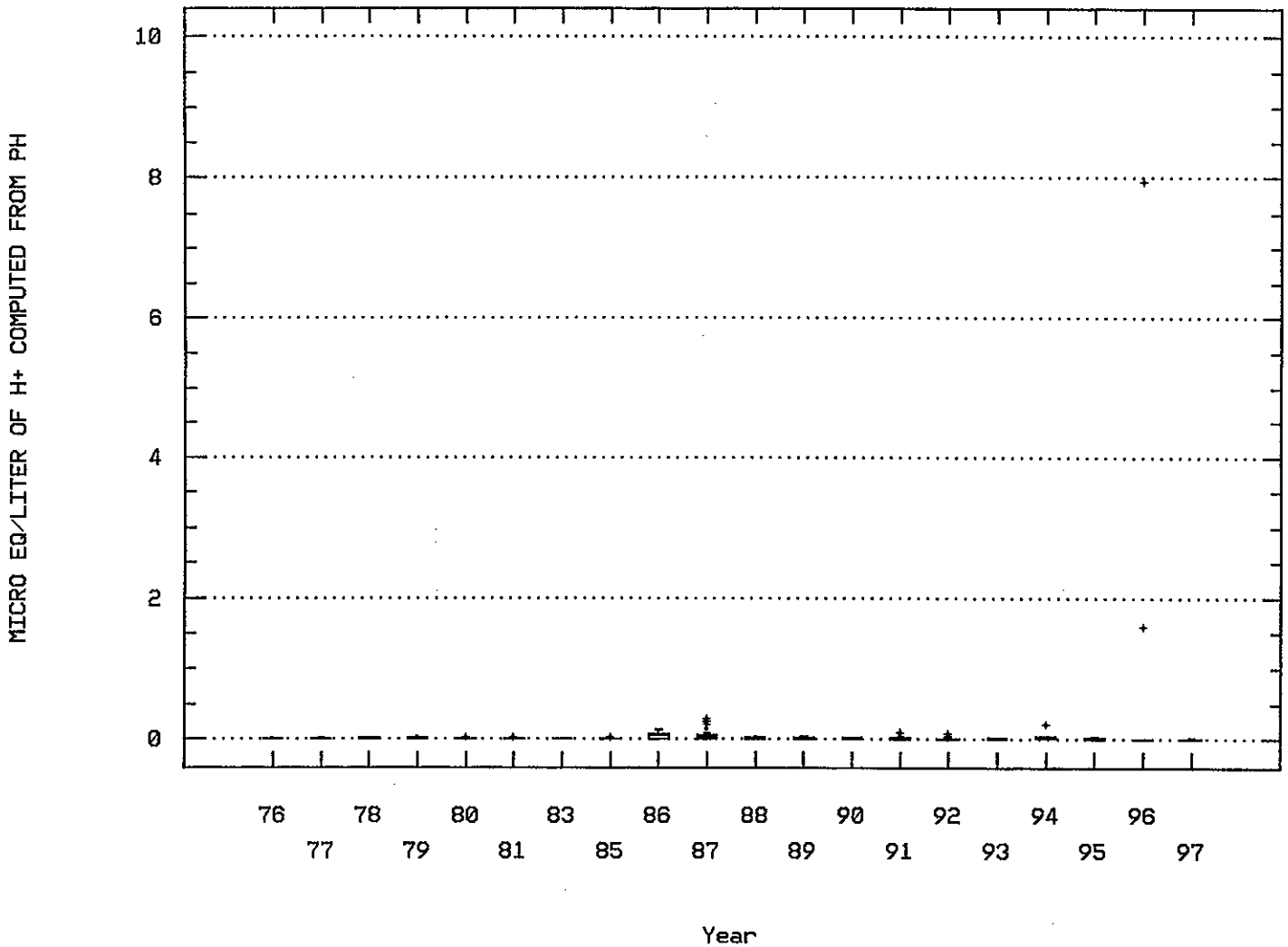
OXYGEN ,DISSOLVED, ANALYSIS BY PROBE



LAKE FRANCIS CASE NR DAM

Station: MNRR0109 Parameter Code: 00400

MICRO EQ/LITER OF H+ COMPUTED FROM PH



LAKE FRANCIS CASE NR DAM

Seasonal Analysis for Season #2: 1/15 to 3/14 - Station MNRR0109

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/13/76-08/26/97	32	0.75	1.081	11.4	0.	4.212	2.052	0.	0.	1.	2.35
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/13/76-08/26/97	3	2.5	3.167	5.	2.	2.583	1.607	**	**	**	**
00032 CLOUD COVER (PERCENT)	04/13/76-08/26/97	3	20.	40.	100.	0.	2800.	52.915	**	**	**	**
00035 WIND VELOCITY (MILES PER HOUR)	09/21/76-07/14/97	3	5.	5.	10.	0.	25.	5.	**	**	**	**
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/13/76-08/26/97	4	1.25	1.875	5.	0.	5.063	2.25	**	**	**	**
00077 TRANSPARENCY, SECCHI DISC (INCHES)	04/13/76-08/24/82	2	12.5	12.5	13.	12.	0.5	0.707	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	05/17/83-08/26/97	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)	04/13/76-07/14/97	3	10.	11.667	15.	10.	8.333	2.887	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/13/76-08/26/97	32	680.5	671.75	770.	483.	6973.097	83.505	581.9	600.	750.	767.
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	04/13/76-08/26/97	31	12.6	13.035	18.2	9.1	3.904	1.976	11.62	12.3	14.2	16.82
00400 PH (STANDARD UNITS)	04/13/76-08/26/97	22	8.	8.059	8.3	7.6	0.033	0.182	7.83	8.	8.225	8.3
00400 CONVERTED PH (STANDARD UNITS)	04/13/76-08/26/97	22	8.	8.021	8.3	7.6	0.035	0.186	7.83	8.	8.225	8.3
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/13/76-08/26/97	22	0.01	0.01	0.025	0.005	0.	0.005	0.005	0.006	0.01	0.015
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/76-08/26/97	4	172.	178.	200.	168.	221.333	14.877	**	**	**	**
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/26/76-07/14/97	3	504.	518.	556.	494.	1108.	33.287	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/27/77-07/14/97	3	5.	5.667	8.	4.	4.333	2.082	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/76-08/26/97	6	0.04	0.05	0.14	0.	0.002	0.047	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	09/10/80-07/14/97	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00619 AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	05/21/80-08/26/97	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/76-08/26/97	5	0.1	0.078	0.15	0.	0.004	0.061	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/76-08/26/97	5	0.4	0.36	0.5	0.1	0.028	0.167	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-08/26/97	6	0.02	0.035	0.1	0.02	0.001	0.032	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	04/21/78-08/26/97	2	250.	250.	255.	245.	50.	7.071	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	02/23/78-06/11/97	2	11.	11.	11.	11.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	05/26/76-07/14/97	3	204.	186.667	206.	150.	1009.333	31.77	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	04/13/76-06/11/97	3	2.	1.667	2.	1.	0.333	0.577	**	**	**	**
01007 BARIUM, TOTAL (UG/L AS BA)	04/13/76-06/11/97	3	36.	32.	40.	20.	112.	10.583	**	**	**	**
01012 BERYLLIUM, TOTAL (UG/L AS BE)	04/13/76-06/11/97	3	0.	0.	0.	0.	0.	0.	**	**	**	**
01022 BORON, TOTAL (UG/L AS B)	04/13/76-06/11/97	3	193.	197.667	250.	150.	2516.333	50.163	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	04/13/76-06/11/97	3	1.	2.333	5.	1.	5.333	2.309	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	04/13/76-06/11/97	3	0.	0.	0.	0.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	04/13/76-06/11/97	3	6.	6.333	8.	5.	2.333	1.528	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	04/13/76-08/26/97	3	60.	143.667	340.	31.	29120.333	170.647	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	04/13/76-06/11/97	3	20.	21.333	30.	14.	65.333	8.083	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	04/13/76-08/26/97	3	35.	34.667	42.	27.	56.333	7.506	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	04/13/76-06/11/97	3	7.	7.667	10.	6.	4.333	2.082	**	**	**	**
01077 SILVER, TOTAL (UG/L AS AG)	04/13/76-06/11/97	3	0.	0.667	2.	0.	1.333	1.155	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	04/13/76-06/11/97	3	51.	38.	52.	11.	547.	23.388	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	04/13/76-07/14/97	2	0.5	0.5	1.	0.	0.5	0.707	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/23/80-08/26/97	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	04/13/76-10/11/95	3	0.4	0.3	0.5	0.	0.07	0.265	**	**	**	**
72030 ELEVATION OF RESERVOIR POOL (FT ABOVE MSL)	04/13/66-10/10/78	1	1351.	1351.	1351.	1351.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 7/14 - Station MNRR0109

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/13/76-08/26/97	539	13.7	13.617	26.	2.5	37.109	6.092	6.	8.	19.	21.3
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/13/76-08/26/97	65	19.5	19.115	41.	6.	52.389	7.238	8.	15.	24.	28.4
00032 CLOUD COVER (PERCENT)	04/13/76-08/26/97	63	50.	51.063	100.	0.	1654.706	40.678	0.	10.	98.	100.
00035 WIND VELOCITY (MILES PER HOUR)	09/21/76-07/14/97	61	8.	8.911	57.	0.	64.733	8.046	0.4	5.	10.5	15.
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/13/76-08/26/97	61	2.	3.471	70.	0.	77.645	8.812	0.232	1.	3.	4.8
00077 TRANSPARENCY, SECCHI DISC (INCHES)	04/13/76-08/24/82	17	84.	85.941	180.	2.	2921.309	54.049	2.8	57.	117.	170.4
00078 TRANSPARENCY, SECCHI DISC (METERS)	05/17/83-08/26/97	43	4.	4.907	29.	1.2	19.905	4.461	2.	2.	7.	9.
00080 COLOR (PLATINUM-COBALT UNITS)	04/13/76-07/14/97	20	10.	9.1	15.	0.	19.147	4.376	3.2	5.5	13.75	15.
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/13/76-08/26/97	486	759.	757.44	1075.	490.	8552.127	92.478	650.	702.	806.	870.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 7/14 - Station MNRR0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	04/13/76-08/26/97	521	9.	9.218	14.6	3.2	4.174	2.043	7.	7.9	10.5	11.8
00400	PH (STANDARD UNITS)	04/13/76-08/26/97	307	8.1	8.034	10.	5.1	0.355	0.596	7.2	7.8	8.4	8.6
00400	CONVERTED PH (STANDARD UNITS)	04/13/76-08/26/97	307	8.1	7.253	10.	5.1	0.968	0.984	7.2	7.8	8.4	8.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/13/76-08/26/97	307	0.008	0.056	7.943	0.	0.217	0.466	0.003	0.004	0.016	0.063
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/76-08/26/97	62	163.5	170.726	360.	133.	1064.104	32.621	149.	157.	176.	190.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/26/76-07/14/97	34	526.	532.353	700.	406.	3834.841	61.926	452.	496.5	570.5	607.5
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/27/77-07/14/97	37	5.	32.784	614.	0.	13621.508	116.711	0.8	2.	7.5	25.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/76-08/26/97	69	0.03	0.056	0.37	0.	0.005	0.071	0.	0.01	0.07	0.18
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/10/80-07/14/97	19	0.005	0.013	0.1	0.	0.001	0.026	0.	0.	0.01	0.07
00619	AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	05/21/80-08/26/97	52##	0.005	0.005	0.03	0.	0.	0.005	0.	0.005	0.005	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/76-08/26/97	69	0.05	0.076	0.36	0.	0.006	0.078	0.005	0.02	0.11	0.18
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/76-08/26/97	61	0.4	0.411	1.5	0.1	0.065	0.254	0.2	0.2	0.5	0.74
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-08/26/97	67	0.02	0.046	0.6	0.	0.006	0.08	0.005	0.01	0.05	0.1
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	08/13/80-10/11/95	13##	0.005	0.003	0.005	0.	0.	0.002	0.	0.	0.005	0.005
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/21/78-08/26/97	56	256.	259.554	317.	209.	488.07	22.092	231.1	246.25	278.5	287.9
00916	CALCIUM, TOTAL (MG/L AS CA)	05/01/79-08/26/97	25	63.	63.4	81.	52.	44.583	6.677	55.2	59.	67.5	73.8
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/01/79-08/26/97	25	24.	24.576	36.	20.	12.661	3.558	21.	22.5	25.	30.
00929	SODIUM, TOTAL (MG/L AS NA)	05/01/79-08/26/97	20	72.	69.2	91.	30.	187.508	13.693	47.2	62.75	77.675	83.9
00931	SODIUM ADSORPTION RATIO	07/09/80-08/26/97	17	2.	1.876	2.3	1.	0.128	0.358	1.	1.8	2.	2.22
00937	POTASSIUM, TOTAL MG/L AS K)	05/01/79-08/26/97	18	5.	5.322	8.	3.	1.199	1.095	3.9	4.975	6.	7.1
00940	CHLORIDE,TOTAL IN WATER MG/L	02/23/78-06/11/97	20	11.	11.85	16.	8.	5.503	2.346	10.	10.	13.5	16.
00945	SULFATE, TOTAL (MG/L AS SO4)	05/26/76-07/14/97	42	222.5	227.786	360.	165.	1706.026	41.304	175.9	197.	250.5	274.8
01002	ARSENIC, TOTAL (UG/L AS AS)	04/13/76-06/11/97	31	1.	1.403	3.	0.5	0.407	0.638	1.	1.	2.	2.
01007	BARIUM, TOTAL (UG/L AS BA)	04/13/76-06/11/97	27	32.	30.741	58.	0.	135.738	11.651	7.	30.	36.	42.2
01012	BERYLLIUM, TOTAL (UG/L AS BE)	04/13/76-06/11/97	31##	1.	0.516	1.	0.	0.258	0.508	0.	0.	1.	1.
01022	BORON, TOTAL (UG/L AS B)	04/13/76-06/11/97	28	137.5	146.	368.	1.	3733.704	61.104	97.	120.25	169.75	214.7
01027	CADMIUM, TOTAL (UG/L AS CD)	04/13/76-06/11/97	31	1.	1.784	10.	0.	6.303	2.511	0.1	0.1	2.	6.6
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/13/76-06/11/97	31	2.5	2.081	10.	0.	5.285	2.299	0.	0.	2.5	5.
01042	COPPER, TOTAL (UG/L AS CU)	04/13/76-06/11/97	31	5.	5.79	20.	0.	20.013	4.474	2.5	2.5	7.	9.8
01045	IRON, TOTAL (UG/L AS FE)	04/13/76-08/26/97	34	79.	184.735	2450.	0.	186135.413	431.434	29.	59.	111.75	263.
01051	LEAD, TOTAL (UG/L AS PB)	04/13/76-06/11/97	31	12.	21.839	305.	0.	2850.74	53.392	0.2	7.	20.	29.6
01055	MANGANESE, TOTAL (UG/L AS MN)	04/13/76-08/26/97	34	10.5	13.353	50.	0.	95.872	9.791	6.	7.75	16.	25.5
01067	NICKEL, TOTAL (UG/L AS NI)	04/13/76-06/11/97	28	6.5	5.893	11.	0.	11.358	3.37	2.25	2.5	8.	11.
01077	SILVER, TOTAL (UG/L AS AG)	04/13/76-06/11/97	28	0.1	0.264	1.	0.	0.142	0.377	0.	0.	0.35	1.
01092	ZINC, TOTAL (UG/L AS ZN)	04/13/76-06/11/97	32	10.	59.094	752.	1.	22302.604	149.341	3.3	8.	27.5	246.3
01097	ANTIMONY, TOTAL (UG/L AS SB)	06/08/82-06/11/97	16##	1.	0.813	1.	0.	0.163	0.403	0.	1.	1.	1.
01147	SELENIUM, TOTAL (UG/L AS SE)	04/13/76-07/14/97	32	1.	1.453	4.	0.5	0.603	0.776	1.	1.	2.	2.7
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	08/24/82-08/26/97	11	0.5	2.636	8.	0.	8.555	2.925	0.	0.5	6.	7.6
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/15/87-08/26/97	7	2.	2.357	7.	0.5	5.476	2.34	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/08/82-05/12/97	13##	5.	4.615	5.	0.	1.923	1.387	2.	5.	5.	5.
34361	ENDOSULFAN, ALPHA TOTWUG/L	06/08/82-06/12/95	12##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
39026	STROBANE,2,3,6-TRICHLOROPHEYLACETIC ACID UG/L	06/08/82-08/20/91	8##	0.05	0.138	0.4	0.05	0.026	0.162	**	**	**	**
39033	ATRAZINE IN WHOLE WATER SAMPLE UG/L	06/24/87-08/26/97	11##	0.05	0.105	0.5	0.05	0.019	0.139	0.05	0.05	0.05	0.44
39055	SIMAZINE IN WHOLE WATER (UG/L)	06/24/87-08/26/97	11##	0.05	0.091	0.5	0.05	0.018	0.136	0.05	0.05	0.05	0.41
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/82-08/26/97	14##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	06/08/82-08/26/97	15##	0.02	0.047	0.42	0.02	0.011	0.103	0.02	0.02	0.02	0.18
39356	METOLACHLOR(DUAL) IN WHOLE WATER UG/L	06/24/87-08/26/97	11##	0.05	0.091	0.5	0.05	0.018	0.136	0.05	0.05	0.05	0.41
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	06/08/82-08/26/97	14##	0.015	0.015	0.015	0.013	0.	0.001	0.013	0.015	0.015	0.015
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	06/08/82-08/26/97	14##	0.015	0.015	0.015	0.013	0.	0.001	0.013	0.015	0.015	0.015
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/82-08/26/97	14##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/82-08/26/97	14##	0.015	0.014	0.015	0.01	0.	0.001	0.011	0.015	0.015	0.015
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/08/82-08/26/97	14##	0.05	0.132	0.5	0.05	0.027	0.165	0.05	0.05	0.138	0.45
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/08/82-08/26/97	14##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/82-08/26/97	14##	0.02	0.02	0.02	0.02	0.	0.	0.02	0.02	0.02	0.02
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	08/13/80-08/26/97	15##	0.05	0.17	0.5	0.05	0.042	0.206	0.05	0.05	0.5	0.5
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	06/24/87-08/26/97	11##	0.05	0.088	0.5	0.015	0.019	0.137	0.022	0.05	0.05	0.41
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	06/08/82-08/26/97	14##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/23/80-08/26/97	52	0.005	0.01	0.09	0.	0.	0.016	0.	0.001	0.01	0.03
71900	MERCURY, TOTAL (UG/L AS HG)	04/13/76-10/11/95	23	0.1	0.183	0.9	0.	0.057	0.239	0.	0.	0.3	0.56

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 7/14 - Station MNRR0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
72030	ELEVATION OF RESERVOIR POOL (FT ABOVE MSL)	04/13/66-10/10/78	10	1356.5	1357.	1362.	1354.	8.667	2.944	1354.	1354.	1359.25	1361.8
77729	RAMROD WHOLE WATER.UG/L	06/24/87-08/26/97	10##	0.05	0.09	0.5	0.	0.021	0.145	0.005	0.05	0.05	0.455
77825	ALACHLOR WHOLE WATER.UG/L	06/24/87-08/26/97	11##	0.05	0.091	0.5	0.05	0.018	0.136	0.05	0.05	0.05	0.41
81283	BENZENEHEXACHLORIDE (6H6CL6WHOLE WATER SAMPLE UG/L	06/08/82-08/26/97	13##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
81408	METRIBUZIN (SENCOR). WATER, WHOLE UG/L	06/24/87-08/26/97	10##	0.05	0.095	0.5	0.05	0.02	0.142	0.05	0.05	0.05	0.455

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 7/15 to 11/19 - Station MNRR0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/13/76-08/26/97	434	22.55	21.183	28.	13.	12.33	3.511	15.	19.5	24.	24.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/13/76-08/26/97	53	23.	22.081	49.	7.	44.923	6.702	12.72	18.75	25.25	29.
00032	CLOUD COVER (PERCENT)	04/13/76-08/26/97	56	10.	34.821	100.	0.	1619.968	40.249	0.	0.	75.	100.
00035	WIND VELOCITY (MILES PER HOUR)	09/21/76-07/14/97	49	7.	9.347	27.	0.	42.023	6.483	2.	5.	15.	17.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/13/76-08/26/97	49	2.	2.888	14.	0.	7.542	2.746	1.	1.85	3.	6.
00077	TRANSPARENCY, SECCHI DISC (INCHES)	04/13/76-08/24/82	16	102.	102.	180.	2.	2968.533	54.484	7.6	63.	153.	171.6
00078	TRANSPARENCY, SECCHI DISC (METERS)	05/17/83-08/26/97	28	3.95	4.213	9.	1.	5.25	2.291	1.5	2.5	5.75	8.1
00080	COLOR (PLATINUM-COBALT UNITS)	04/13/76-07/14/97	18	5.	6.389	20.	0.	22.252	4.717	1.8	5.	6.25	15.5
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/13/76-08/26/97	348	770.	757.713	1228.	450.	11451.998	107.014	624.5	710.	826.75	861.
00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	04/13/76-08/26/97	365	7.8	7.744	12.6	2.	2.752	1.659	5.9	7.1	8.5	9.44
00400	PH (STANDARD UNITS)	04/13/76-08/26/97	260	8.175	8.125	9.1	6.7	0.105	0.324	7.7	8.	8.3	8.4
00400	CONVERTED PH (STANDARD UNITS)	04/13/76-08/26/97	260	8.174	7.967	9.1	6.7	0.13	0.361	7.7	8.	8.3	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/13/76-08/26/97	260	0.007	0.011	0.2	0.001	0.	0.016	0.004	0.005	0.01	0.02
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/76-08/26/97	49	163.	160.796	197.	32.	466.916	21.608	146.	156.5	171.	175.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/26/76-07/14/97	35	550.	569.771	1538.	406.	31668.652	177.957	449.6	508.	580.	614.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/27/77-07/14/97	32	4.	4.219	13.	0.	7.402	2.721	1.3	2.	5.75	7.7
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/76-08/26/97	64	0.02	0.038	0.31	0.	0.003	0.052	0.	0.01	0.048	0.085
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/10/80-07/14/97	18##	0.005	0.009	0.08	0.	0.	0.018	0.	0.	0.006	0.026
00619	AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	05/21/80-08/26/97	39##	0.005	0.004	0.02	0.	0.	0.004	0.	0.	0.005	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/76-08/26/97	62	0.04	0.059	0.27	0.	0.004	0.062	0.002	0.01	0.093	0.137
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/76-08/26/97	51	0.4	0.808	17.7	0.	5.944	2.438	0.168	0.2	0.6	0.88
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-08/26/97	61	0.02	0.032	0.24	0.	0.002	0.042	0.001	0.01	0.03	0.084
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	08/13/80-10/11/95	13##	0.005	0.003	0.005	0.	0.	0.003	0.	0.	0.005	0.005
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/21/78-08/26/97	45	258.	257.222	306.	201.	506.131	22.497	229.2	243.	271.5	284.8
00916	CALCIUM, TOTAL (MG/L AS CA)	05/01/79-08/26/97	27	62.	62.778	83.	46.	51.103	7.149	56.2	58.	68.	73.2
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/01/79-08/26/97	27	24.	24.63	32.	17.	10.473	3.236	21.8	23.	26.	30.2
00929	SODIUM, TOTAL (MG/L AS NA)	05/01/79-08/26/97	23	76.	77.057	92.	64.	51.001	7.141	65.6	73.	82.3	87.4
00931	SODIUM ADSORPTION RATIO	07/09/80-08/26/97	20	2.	2.075	2.4	1.7	0.026	0.162	2.	2.	2.175	2.39
00937	POTASSIUM, TOTAL MG/L AS K)	05/01/79-08/26/97	19	6.	6.184	10.	5.	2.089	1.445	5.	5.	7.	9.
00940	CHLORIDE,TOTAL IN WATER MG/L	02/23/78-06/11/97	22	11.	10.455	13.	3.	6.831	2.614	5.5	10.	12.25	13.
00945	SULFATE, TOTAL (MG/L AS SO4)	05/26/76-07/14/97	32	223.5	226.	329.	150.	1202.387	34.675	182.4	207.25	249.75	264.9
01002	ARSENIC, TOTAL (UG/L AS AS)	04/13/76-06/11/97	31	2.	2.129	11.	1.	3.249	1.803	1.	1.	2.	3.
01007	BARIUM, TOTAL (UG/L AS BA)	04/13/76-06/11/97	10	38.	33.1	50.	2.	232.544	15.249	3.8	20.	44.75	50.
01012	BERYLLIUM, TOTAL (UG/L AS BE)	04/13/76-06/11/97	32	0.5	0.531	2.	0.	0.322	0.567	0.	0.	1.	1.
01022	BORON, TOTAL (UG/L AS B)	04/13/76-06/11/97	22	171.	178.455	378.	100.	3770.736	61.406	116.	140.	192.75	271.
01027	CADMIUM, TOTAL (UG/L AS CD)	04/13/76-06/11/97	34	1.	1.218	6.	0.	1.828	1.352	0.	0.275	1.625	3.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/13/76-06/11/97	31	1.5	2.839	17.	0.	17.106	4.136	0.	0.	2.5	10.
01042	COPPER, TOTAL (UG/L AS CU)	04/13/76-06/11/97	34	5.	5.529	26.	0.	22.529	4.747	1.	2.5	7.25	10.
01045	IRON, TOTAL (UG/L AS FE)	04/13/76-08/26/97	38	109.	133.421	700.	5.	15374.413	123.994	39.1	57.75	160.	255.
01051	LEAD, TOTAL (UG/L AS PB)	04/13/76-06/11/97	30	9.5	10.267	31.	0.	82.133	9.063	0.	1.	14.25	29.
01055	MANGANESE, TOTAL (UG/L AS MN)	04/13/76-08/26/97	37	17.	24.432	104.	0.	560.863	23.683	6.4	10.5	29.	63.2
01067	NICKEL, TOTAL (UG/L AS NI)	04/13/76-06/11/97	33	6.	5.697	18.	0.	19.843	4.455	0.	2.5	10.	11.
01077	SILVER, TOTAL (UG/L AS AG)	04/13/76-06/11/97	32	0.1	0.775	5.	0.	2.086	1.444	0.	0.	1.	3.8
01092	ZINC, TOTAL (UG/L AS ZN)	04/13/76-06/11/97	34	14.5	28.941	239.	1.	2817.815	53.083	3.5	7.	26.5	40.5
01097	ANTIMONY, TOTAL (UG/L AS SB)	06/08/82-06/11/97	9##	2.	16.944	70.	0.	721.653	26.864	0.	1.	33.5	70.
01147	SELENIUM, TOTAL (UG/L AS SE)	04/13/76-07/14/97	21	1.	1.452	2.5	0.	0.398	0.631	1.	1.	2.	2.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 7/15 to 11/19 - Station MNRR0109

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32211 CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	08/24/82-08/26/97	29	0.5	4.603	25.	0.	44.392	6.663	0.	0.5	7.5	16.
32218 PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/15/87-08/26/97	21##	0.5	6.857	47.	0.5	157.279	12.541	0.5	0.5	7.5	33.2
32730 PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/08/82-05/12/97	2##	5.	5.	5.	5.	0.	0.	**	**	**	**
34361 ENDOSULFAN, ALPHA TOTWUG/L	06/08/82-06/12/95	14##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
39026 STROBANE,2,3,6-TRICHLOROPHEYLACETIC ACID UG/L	06/08/82-08/20/91	12##	0.225	0.225	0.4	0.05	0.033	0.183	0.05	0.05	0.4	0.4
39033 ATRAZINE IN WHOLE WATER SAMPLE UG/L	06/24/87-08/26/97	10##	0.05	0.07	0.2	0.05	0.002	0.048	0.05	0.05	0.063	0.19
39055 SIMAZINE IN WHOLE WATER (UG/L)	06/24/87-08/26/97	10##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
39330 ALDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/82-08/26/97	17##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
39350 CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	06/08/82-08/26/97	17##	0.02	0.019	0.02	0.01	0.	0.002	0.018	0.02	0.02	0.02
39356 METOLACHLOR(DUAL) IN WHOLE WATER UG/L	06/24/87-08/26/97	10##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
39365 DDE IN WHOLE WATER SAMPLE (UG/L)	06/08/82-08/26/97	17##	0.015	0.014	0.015	0.013	0.	0.001	0.013	0.013	0.015	0.015
39370 DDT IN WHOLE WATER SAMPLE (UG/L)	06/08/82-08/26/97	17##	0.015	0.014	0.015	0.013	0.	0.001	0.013	0.013	0.015	0.015
39380 DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/82-08/26/97	17##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
39390 ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/82-08/26/97	17##	0.015	0.014	0.015	0.013	0.	0.001	0.013	0.013	0.015	0.015
39400 TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/08/82-08/26/97	17##	0.05	0.174	0.4	0.05	0.03	0.172	0.05	0.05	0.4	0.4
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/08/82-08/26/97	17##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/82-08/26/97	17##	0.02	0.02	0.02	0.02	0.	0.	0.02	0.02	0.02	0.02
39516 PCBS IN WHOLE WATER SAMPLE (UG/L)	08/13/80-08/26/97	20##	0.05	0.253	0.5	0.05	0.053	0.23	0.05	0.05	0.5	0.5
39570 DIAZINON IN WHOLE WATER SAMPLE (UG/L)	06/24/87-08/26/97	10##	0.05	0.24	1.9	0.05	0.34	0.583	0.05	0.05	0.063	1.72
39782 LINDANE IN WHOLE WATER SAMPLE (UG/L)	06/08/82-08/26/97	17##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/23/80-08/26/97	41	0.005	0.014	0.14	0.	0.001	0.026	0.	0.	0.02	0.028
71900 MERCURY, TOTAL (UG/L AS HG)	04/13/76-10/11/95	30	0.3	0.375	1.5	0.	0.114	0.338	0.1	0.1	0.5	0.97
72030 ELEVATION OF RESERVOIR POOL (FT ABOVE MSL)	04/13/66-10/10/78	13	1355.	1354.615	1359.	1345.	11.423	3.38	1347.8	1354.	1356.5	1358.2
77729 RAMROD WHOLE WATER,UG/L	06/24/87-08/26/97	10##	0.05	0.045	0.05	0.	0.	0.016	0.005	0.05	0.05	0.05
77825 ALACHLOR WHOLE WATER,UG/L	06/24/87-08/26/97	10##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
81283 BENZENEHEXACHLORIDE (6H6CL6WHOLE WATER SAMPLE UG/L	06/08/82-08/26/97	16##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
81408 METRIBUZIN (SENCOR), WATER, WHOLE UG/L	06/24/87-08/26/97	10##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05

EPA Water Quality Criteria Analysis for Entire MNRR Study Area

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1167	276	0.24	140	12	0.09	169	22	0.13	424	149	0.35	434	93	0.21
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	896	60	0.07	33	4	0.12	106	8	0.08	423	34	0.08	334	14	0.04
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	14338	197	0.01	1759	84	0.05	1869	3	0.00	5642	54	0.01	5068	56	0.01
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2154	5	0.00	260	0	0.00	316	1	0.00	732	1	0.00	846	3	0.00
00400 PH	Fresh Chronic	9.	8762	119	0.01	1009	11	0.01	1105	27	0.02	3424	48	0.01	3224	33	0.01
	Other-Lo Lim.	6.5	8762	43	0.00	1009	1	0.00	1105	10	0.01	3424	14	0.00	3224	18	0.01
00403 PH, LAB	Fresh Chronic	9.	3916	2	0.00	550	1	0.00	648	0	0.00	1349	1	0.00	1369	0	0.00
	Other-Lo Lim.	6.5	3916	0	0.00	550	0	0.00	648	0	0.00	1349	0	0.00	1369	0	0.00
00613 NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	124	1	0.01	20	1	0.05	26	0	0.00	40	0	0.00	38	0	0.00
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	335	0	0.00	6	0	0.00	57	0	0.00	137	0	0.00	135	0	0.00
00618 NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	50	1	0.02	6	1	0.17	7	0	0.00	15	0	0.00	22	0	0.00
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	943	0	0.00	32	0	0.00	94	0	0.00	446	0	0.00	371	0	0.00
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	996	1	0.00	115	0	0.00	155	0	0.00	344	0	0.00	382	1	0.00
00631 NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	173	0	0.00	17	0	0.00	28	0	0.00	63	0	0.00	65	0	0.00
00720 CYANIDE, TOTAL	Fresh Acute	0.022	169	0	0.00				5	0	0.00	82	0	0.00	82	0	0.00
	Drinking Water	0.2	169	0	0.00				5	0	0.00	82	0	0.00	82	0	0.00
00722 CYANIDE, FREE (AMENABLE TO CHLORINATION)	Fresh Acute	0.022	1	0	0.00										1	0	0.00
	Drinking Water	0.2	1	0	0.00										1	0	0.00
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2294	0	0.00	255	0	0.00	332	0	0.00	845	0	0.00	862	0	0.00
	Drinking Water	250.	2294	0	0.00	255	0	0.00	332	0	0.00	845	0	0.00	862	0	0.00
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1413	278	0.20	107	15	0.14	174	25	0.14	601	146	0.24	531	92	0.17
00950 FLUORIDE, DISSOLVED AS F	Drinking Water	4.	283	0	0.00	28	0	0.00	47	0	0.00	106	0	0.00	102	0	0.00
00951 FLUORIDE, TOTAL AS F	Drinking Water	4.	86	1	0.01	7	0	0.00	12	0	0.00	31	1	0.03	36	0	0.00
01000 ARSENIC, DISSOLVED	Fresh Acute	360.	140	0	0.00	13	0	0.00	21	0	0.00	55	0	0.00	51	0	0.00
	Drinking Water	50.	138&	0	0.00	13	0	0.00	21	0	0.00	53	0	0.00	51	0	0.00
01001 ARSENIC, SUSPENDED	Fresh Acute	360.	29	0	0.00	1	0	0.00	7	0	0.00	11	0	0.00	10	0	0.00
	Drinking Water	50.	29	0	0.00	1	0	0.00	7	0	0.00	11	0	0.00	10	0	0.00
01002 ARSENIC, TOTAL	Fresh Acute	360.	460	0	0.00	12	0	0.00	60	0	0.00	193	0	0.00	195	0	0.00
	Drinking Water	50.	460	0	0.00	12	0	0.00	60	0	0.00	193	0	0.00	195	0	0.00
01005 BARIUM, DISSOLVED	Drinking Water	2000.	132	0	0.00	12	0	0.00	21	0	0.00	48	0	0.00	51	0	0.00
01006 BARIUM, SUSPENDED	Drinking Water	2000.	27	0	0.00	2	0	0.00	7	0	0.00	10	0	0.00	8	0	0.00
01007 BARIUM, TOTAL	Drinking Water	2000.	258	0	0.00	10	0	0.00	19	0	0.00	169	0	0.00	60	0	0.00
01010 BERYLLIUM, DISSOLVED	Fresh Acute	130.	69	0	0.00	10	0	0.00	8	0	0.00	27	0	0.00	24	0	0.00
	Drinking Water	4.	69	0	0.00	10	0	0.00	8	0	0.00	27	0	0.00	24	0	0.00
01012 BERYLLIUM, TOTAL	Fresh Acute	130.	414	0	0.00	7	0	0.00	42	0	0.00	181	0	0.00	184	0	0.00
	Drinking Water	4.	414	0	0.00	7	0	0.00	42	0	0.00	181	0	0.00	184	0	0.00
01025 CADMIUM, DISSOLVED	Fresh Acute	3.9	103&	1	0.01	6	0	0.00	19	0	0.00	38	1	0.03	40	0	0.00
	Drinking Water	5.	103&	1	0.01	6	0	0.00	19	0	0.00	38	1	0.03	40	0	0.00
01026 CADMIUM, SUSPENDED	Fresh Acute	3.9	20&	4	0.20	2	0	0.00	4	0	0.00	7	2	0.29	7	2	0.29
	Drinking Water	5.	20&	3	0.15	2	0	0.00	4	0	0.00	7	2	0.29	7	1	0.14
01027 CADMIUM, TOTAL	Fresh Acute	3.9	434&	28	0.06	11	1	0.09	54	5	0.09	180	14	0.08	189	8	0.04
	Drinking Water	5.	434&	25	0.06	11	1	0.09	54	4	0.07	180	13	0.07	189	7	0.04
01030 CHROMIUM, DISSOLVED	Drinking Water	100.	130	0	0.00	12	0	0.00	22	0	0.00	49	0	0.00	47	0	0.00
01031 CHROMIUM, SUSPENDED	Drinking Water	100.	32	0	0.00	2	0	0.00	7	0	0.00	13	0	0.00	10	0	0.00
01034 CHROMIUM, TOTAL	Drinking Water	100.	454	0	0.00	13	0	0.00	61	0	0.00	191	0	0.00	189	0	0.00
01040 COPPER, DISSOLVED	Fresh Acute	18.	127&	7	0.06	12	4	0.33	21	0	0.00	49	1	0.02	45	2	0.04
	Drinking Water	1300.	128	0	0.00	12	0	0.00	21	0	0.00	49	0	0.00	46	0	0.00
01041 COPPER, SUSPENDED	Fresh Acute	18.	36	3	0.08	2	0	0.00	8	1	0.13	14	2	0.14	12	0	0.00
	Drinking Water	1300.	36	0	0.00	2	0	0.00	8	0	0.00	14	0	0.00	12	0	0.00
01042 COPPER, TOTAL	Fresh Acute	18.	463&	24	0.05	12	2	0.17	58	3	0.05	190	14	0.07	203	5	0.02
	Drinking Water	1300.	468	0	0.00	12	0	0.00	58	0	0.00	195	0	0.00	203	0	0.00
01049 LEAD, DISSOLVED	Fresh Acute	82.	125	1	0.01	11	0	0.00	21	0	0.00	48	0	0.00	45	1	0.02
	Drinking Water	15.	110&	6	0.05	6	0	0.00	21	0	0.00	41	0	0.00	42	6	0.14
01050 LEAD, SUSPENDED	Fresh Acute	82.	31	1	0.03	1	0	0.00	8	0	0.00	12	0	0.00	10	1	0.10
	Drinking Water	15.	26&	2	0.08	1	0	0.00	7	0	0.00	9	0	0.00	9	2	0.22
01051 LEAD, TOTAL	Fresh Acute	82.	428&	5	0.01	11	0	0.00	59	0	0.00	184	4	0.02	174	1	0.01
	Drinking Water	15.	427&	80	0.19	11	5	0.45	59	12	0.20	183	38	0.21	174	25	0.14
01057 THALLIUM, DISSOLVED	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
	Drinking Water	2.	1	1	1.00							1	1	1.00			
01059 THALLIUM, TOTAL	Fresh Acute	1400.	2	0	0.00							1	0	0.00	1	0	0.00
	Drinking Water	2.	1&	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Entire MNRR Study Area

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
01065 NICKEL, DISSOLVED	Fresh Acute	1400.	100	0	0.00	10	0	0.00	15	0	0.00	38	0	0.00	37	0	0.00
	Drinking Water	100.	100	0	0.00	10	0	0.00	15	0	0.00	38	0	0.00	37	0	0.00
01066 NICKEL, SUSPENDED	Fresh Acute	1400.	16	0	0.00				5	0	0.00	5	0	0.00	6	0	0.00
	Drinking Water	100.	16	0	0.00				5	0	0.00	5	0	0.00	6	0	0.00
01067 NICKEL, TOTAL	Fresh Acute	1400.	399	0	0.00	7	0	0.00	21	0	0.00	172	0	0.00	199	0	0.00
	Drinking Water	100.	399	0	0.00	7	0	0.00	21	0	0.00	172	0	0.00	199	0	0.00
01075 SILVER, DISSOLVED	Fresh Acute	4.1	125	0	0.00	12	0	0.00	20	0	0.00	47	0	0.00	46	0	0.00
	Drinking Water	100.	125	0	0.00	12	0	0.00	20	0	0.00	47	0	0.00	46	0	0.00
01076 SILVER, SUSPENDED	Fresh Acute	4.1	26	0	0.00	2	0	0.00	7	0	0.00	9	0	0.00	8	0	0.00
	Drinking Water	100.	26	0	0.00	2	0	0.00	7	0	0.00	9	0	0.00	8	0	0.00
01077 SILVER, TOTAL	Fresh Acute	4.1	416&	0	0.00	14	0	0.00	56	0	0.00	168	0	0.00	178	0	0.00
	Drinking Water	100.	433	0	0.00	14	0	0.00	56	0	0.00	172	0	0.00	191	0	0.00
01090 ZINC, DISSOLVED	Fresh Acute	120.	132	0	0.00	12	0	0.00	22	0	0.00	51	0	0.00	47	0	0.00
	Drinking Water	5000.	132	0	0.00	12	0	0.00	22	0	0.00	51	0	0.00	47	0	0.00
01091 ZINC, SUSPENDED	Fresh Acute	120.	35	1	0.03	2	0	0.00	8	0	0.00	14	0	0.00	11	1	0.09
	Drinking Water	5000.	35	0	0.00	2	0	0.00	8	0	0.00	14	0	0.00	11	0	0.00
01092 ZINC, TOTAL	Fresh Acute	120.	474	13	0.03	12	0	0.00	60	1	0.02	199	9	0.05	203	3	0.01
	Drinking Water	5000.	474	0	0.00	12	0	0.00	60	0	0.00	199	0	0.00	203	0	0.00
01095 ANTIMONY, DISSOLVED	Fresh Acute	88.	1	0	0.00										1	0	0.00
	Drinking Water	6.	1	0	0.00										1	0	0.00
01097 ANTIMONY, TOTAL	Fresh Acute	88.	158	1	0.01							107	0	0.00	51	1	0.02
	Drinking Water	6.	145&	14	0.10							101	2	0.02	44	12	0.27
01113 CADMIUM,TOTAL RECOVERABLE IN WATER AS CD	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
	Drinking Water	5.	1	0	0.00							1	0	0.00			
01145 SELENIUM, DISSOLVED	Fresh Acute	20.	136	2	0.01	6	0	0.00	22	0	0.00	54	1	0.02	54	1	0.02
	Drinking Water	50.	136	0	0.00	6	0	0.00	22	0	0.00	54	0	0.00	54	0	0.00
01146 SELENIUM, SUSPENDED	Fresh Acute	20.	37	0	0.00	2	0	0.00	8	0	0.00	15	0	0.00	12	0	0.00
	Drinking Water	50.	37	0	0.00	2	0	0.00	8	0	0.00	15	0	0.00	12	0	0.00
01147 SELENIUM, TOTAL	Fresh Acute	20.	351&	0	0.00	12	0	0.00	30	0	0.00	209	0	0.00	100	0	0.00
	Drinking Water	50.	352	0	0.00	12	0	0.00	30	0	0.00	210	0	0.00	100	0	0.00
13501 STRONTIUM 90, TOTAL	Drinking Water	8.	17	0	0.00	3	0	0.00				9	0	0.00	5	0	0.00
22703 URANIUM, NATURAL DISSOLVED	Drinking Water	20.	2	0	0.00				1	0	0.00				1	0	0.00
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	106	33	0.31	19	0	0.00	11	0	0.00	23	3	0.13	53	30	0.57
31503 COLIFORM,TOT,MEMBRANE FILTR,DELAY. M-END	Other-Hi Lim.	1000.	418	15	0.04	51	1	0.02	71	1	0.01	144	4	0.03	152	9	0.06
31505 COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	2	0	0.00										2	0	0.00
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	9	1	0.11							7	0	0.00	2	1	0.50
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	932	270	0.29	113	17	0.15	159	10	0.06	317	115	0.36	343	128	0.37
31625 FECAL COLIFORM, MF	Other-Hi Lim.	200.	260	64	0.25	30	1	0.03	43	1	0.02	97	31	0.32	90	31	0.34
32003 CARBON CHLOROFORM AND CARBON ALCOHOL EXT	Fresh Acute	28900.	150	0	0.00	23	0	0.00	27	0	0.00	49	0	0.00	51	0	0.00
	Drinking Water	100.	150	135	0.90	23	22	0.96	27	26	0.96	49	47	0.96	51	40	0.78
32005 CARBON CHLOROFORM EXTRACTABLES	Fresh Acute	28900.	150	0	0.00	23	0	0.00	27	0	0.00	49	0	0.00	51	0	0.00
	Drinking Water	100.	150	3	0.02	23	0	0.00	27	0	0.00	49	3	0.06	51	0	0.00
32021 CARBON CHLOROFORM EXTRACTS, ETHER INSOLU	Fresh Acute	28900.	52	0	0.00	9	0	0.00	10	0	0.00	14	0	0.00	19	0	0.00
	Drinking Water	100.	52	0	0.00	9	0	0.00	10	0	0.00	14	0	0.00	19	0	0.00
32022 CARBON CHLOROFORM EXTRACTS, WATER SOLUBL	Fresh Acute	28900.	52	0	0.00	9	0	0.00	10	0	0.00	14	0	0.00	19	0	0.00
	Drinking Water	100.	52	0	0.00	9	0	0.00	10	0	0.00	14	0	0.00	19	0	0.00
34361 ENDOSULFAN, ALPHA	Fresh Acute	0.22	180	0	0.00				2	0	0.00	85	0	0.00	93	0	0.00
34363 ENDOSULFAN, ALPHA	Fresh Acute	0.22	1	0	0.00										1	0	0.00
38437 DIBROMOCHLOROPROPANE, WATER	Drinking Water	0.2	1	0	0.00							1	0	0.00			
38865 OXAMYL, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
38932 CHLORPYRIFOS, TOTAL RECOVERABLE	Fresh Acute	0.083	5	0	0.00				1	0	0.00	3	0	0.00	1	0	0.00
39033 ATRAZINE IN WHOLE WATER SAMPLE	Drinking Water	3.	149	0	0.00	1	0	0.00				76	0	0.00	72	0	0.00
39053 ALDICARB IN WHOLE WATER	Drinking Water	3.	1	0	0.00							1	0	0.00			
39055 SIMAZINE IN WHOLE WATER	Drinking Water	4.	149	0	0.00							76	0	0.00	73	0	0.00
39100 BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	Fresh Acute	2000.	47	0	0.00							22	0	0.00	25	0	0.00
	Drinking Water	6.	47	0	0.00							22	0	0.00	25	0	0.00
39300 P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	4	0	0.00				1	0	0.00	2	0	0.00	1	0	0.00
39310 P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	4	0	0.00				1	0	0.00	2	0	0.00	1	0	0.00
39320 P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	6	0	0.00				3	0	0.00	2	0	0.00	1	0	0.00
39330 ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	224	0	0.00				3	0	0.00	102	0	0.00	119	0	0.00
39340 GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	9	0	0.00				1	0	0.00	3	0	0.00	5	0	0.00
	Drinking Water	0.2	9	0	0.00				1	0	0.00	3	0	0.00	5	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Entire MNRR Study Area

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	11/20- 1/14 Obs	11/20- 1/14 Exceed	11/20- 1/14 Prop.	1/15- 3/14 Obs	1/15- 3/14 Exceed	1/15- 3/14 Prop.	3/15- 7/14 Obs	3/15- 7/14 Exceed	3/15- 7/14 Prop.	7/15-11/19 Obs	7/15-11/19 Exceed	7/15-11/19 Prop.
39350 CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	229	0	0.00				3	0	0.00	110	0	0.00	116	0	0.00
	Drinking Water	2.	229	0	0.00				3	0	0.00	110	0	0.00	116	0	0.00
39360 DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	4	0	0.00										4	0	0.00
39365 DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	220	0	0.00				2	0	0.00	100	0	0.00	118	0	0.00
39370 DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	220	0	0.00				2	0	0.00	100	0	0.00	118	0	0.00
39380 DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	223	0	0.00				3	0	0.00	102	0	0.00	118	0	0.00
39388 ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	35	0	0.00							15	0	0.00	20	0	0.00
39390 ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	224	0	0.00				3	0	0.00	103	0	0.00	118	0	0.00
	Drinking Water	2.	224	0	0.00				3	0	0.00	103	0	0.00	118	0	0.00
39400 TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	218&	0	0.00				1	0	0.00	103	0	0.00	114	0	0.00
	Drinking Water	3.	220	0	0.00				3	0	0.00	103	0	0.00	114	0	0.00
39410 HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	8	0	0.00				1	0	0.00	2	0	0.00	5	0	0.00
	Drinking Water	0.4	8	0	0.00				1	0	0.00	2	0	0.00	5	0	0.00
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	222	2	0.01				3	2	0.67	102	0	0.00	117	0	0.00
	Drinking Water	0.2	222	2	0.01				3	2	0.67	102	0	0.00	117	0	0.00
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	218	0	0.00				1	0	0.00	103	0	0.00	114	0	0.00
39540 PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	2	0	0.00	1	0	0.00				1	0	0.00			
39630 ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	2	0	0.00							2	0	0.00			
39730 2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	1	0	0.00							1	0	0.00			
39760 SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	1	0	0.00							1	0	0.00			
39782 LINDANE IN WHOLE WATER SAMPLE	Fresh Acute	2.	215	0	0.00				2	0	0.00	100	0	0.00	113	0	0.00
	Drinking Water	0.2	215	0	0.00				2	0	0.00	100	0	0.00	113	0	0.00
50060 CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	2&	1	0.50							2	1	0.50			
71850 NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	32	0	0.00	3	0	0.00	7	0	0.00	15	0	0.00	7	0	0.00
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	39	0	0.00	4	0	0.00	6	0	0.00	11	0	0.00	18	0	0.00
71856 NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	33	0	0.00	4	0	0.00	5	0	0.00	10	0	0.00	14	0	0.00
71890 MERCURY, DISSOLVED	Fresh Acute	2.4	102	1	0.01	5	0	0.00	20	0	0.00	37	1	0.03	40	0	0.00
	Drinking Water	2.	102	1	0.01	5	0	0.00	20	0	0.00	37	1	0.03	40	0	0.00
71895 MERCURY, SUSPENDED	Fresh Acute	2.4	44	0	0.00	2	0	0.00	11	0	0.00	15	0	0.00	16	0	0.00
	Drinking Water	2.	44	0	0.00	2	0	0.00	11	0	0.00	15	0	0.00	16	0	0.00
71900 MERCURY, TOTAL	Fresh Acute	2.4	451&	2	0.00	20	1	0.05	52	0	0.00	160	0	0.00	219	1	0.00
	Drinking Water	2.	451&	4	0.01	20	3	0.15	52	0	0.00	160	0	0.00	219	1	0.00
81283 BENZENEHEXACHLORIDE, WHOLE WATER	Fresh Acute	100.	201	0	0.00							94	0	0.00	107	0	0.00
81403 DURSBAN (CHLOROPYRIFOS) WHOLE WATER SAMP	Fresh Acute	0.083	2	0	0.00	1	0	0.00				1	0	0.00			
81405 CARBOFURAN (EURADAN) WHOLE WATER SAMPLE	Drinking Water	40.	1	0	0.00							1	0	0.00			
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	3508	7	0.00	498	0	0.00	583	0	0.00	1207	7	0.01	1220	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Missing Level I Groups

There is STORET Data for Every Level I I&M Parameter Group Within the MNRR Study Area

NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Present Level I Groups

STORET Data Within the MNRR Study Area Exist for These Groups:

Alkalinity	Total Obs.	01/01/85 to 10/22/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	5950	4142	496	1312	40
00415 ALKALINITY, PHENOLPHTHALEIN (MG/L)	3560	3524	20	16	7
00440 BICARBONATE ION (MG/L AS HCO3)	280	0	183	97	14
00445 CARBONATE ION (MG/L AS CO3)	84	0	52	32	6
	9874	7666	751	1457	67 (40)

pH	Total Obs.	01/01/85 to 10/22/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00400 PH (STANDARD UNITS)	8762	6021	1387	1354	47
00403 PH, LAB (STANDARD UNITS)	3916	3713	181	22	17
	12678	9734	1568	1376	64 (49)

Conductivity	Total Obs.	01/01/85 to 10/22/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9198	6110	3086	2	11
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	15901	547	2838	12516	54
	25099	6657	5924	12518	65 (60)

Dissolved Oxygen	Total Obs.	01/01/85 to 10/22/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	23687	6118	5684	11885	10
00300 OXYGEN, DISSOLVED (MG/L)	2201	421	593	1187	48
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION	2623	2258	365	0	6
	28511	8797	6642	13072	64 (55)

Water Temperature	Total Obs.	01/01/85 to 10/22/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	15222	10583	3335	1304	66
00011 TEMPERATURE, WATER (DEGREES FAHRENHEIT)	9256	142	3136	5978	16
	24478	10725	6471	7282	82 (71)

Flow	Total Obs.	01/01/85 to 10/22/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00060 FLOW, STREAM, MEAN DAILY CFS	1142	0	179	963	18
00061 FLOW, STREAM, INSTANTANEOUS CFS	977	391	552	34	35
00065 STAGE, STREAM (FEET)	743	11	609	123	11
74069 FLOW, ESTIMATED STREAM, CFS	1	0	1	0	1
	2863	402	1341	1120	65 (47)

Clarity/Turbidity		Total Obs.	01/01/85 to 10/22/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00070	TURBIDITY, (JACKSON CANDLE UNITS)	1167	0	252	915	14
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	257	0	35	222	5
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	896	510	333	53	10
00077	TRANSPARENCY, SECCHI DISC (INCHES)	76	7	69	0	5
00078	TRANSPARENCY, SECCHI DISC (METERS)	389	319	70	0	8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	1079	480	430	169	31
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	3508	3508	0	0	2
		7372	4824	1189	1359	75 (38)

Nitrate/Nitrogen		Total Obs.	01/01/85 to 10/22/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00600	NITROGEN, TOTAL (MG/L AS N)	181	0	156	25	4
00602	NITROGEN, DISSOLVED (MG/L AS N)	36	0	36	0	2
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	179	5	143	31	5
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	37	0	37	0	2
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	197	48	112	37	7
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	1867	718	662	487	33
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	50	0	4	46	6
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	945	461	283	201	10
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	74	1	73	0	3
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	1091	603	447	41	20
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	996	207	434	355	29
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	173	53	79	41	8
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	56	0	56	0	8
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	67	3	50	14	3
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	32	0	0	32	1
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	39	0	0	39	5
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	33	0	1	32	2
		6053	2099	2573	1381	148 (41)

Phosphate/Phosphorus		Total Obs.	01/01/85 to 10/22/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	310	0	47	263	15
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	205	1	142	62	18
00665	PHOSPHORUS, TOTAL (MG/L AS P)	1375	729	503	143	23
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	350	50	213	87	13
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	330	165	116	49	14
70505	PHOSPHORUS, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	124	10	104	10	5
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	791	475	257	59	17
		3485	1430	1382	673	105 (37)

Chlorophyll		Total Obs.	01/01/85 to 10/22/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
32211	CHLOROPHYLL A (UG/L) SPECTROPHOTOMETRIC ACID METH.	210	174	36	0	5
32228	CHLOROPHYLL A (MG/M2) PERIPHYTON SPECTRO.	7	0	7	0	2
32230	CHLOROPHYLL A (MG/L)	3	0	3	0	2
		220	174	46	0	9 (7)

Sulfates/Total Dissolved Solids/Hardness		Total Obs.	01/01/85 to 10/22/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00900	HARDNESS, TOTAL (MG/L AS CACO3)	5897	4052	480	1365	37
00945	SULFATE, TOTAL (MG/L AS SO4)	1414	351	492	571	36
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	524	188	207	129	11
		7835	4591	1179	2065	84 (44)

Bacteria		Total Obs.	01/01/85 to 10/22/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
31501	COLIFORM, TOT, MEMBRANE FILTER,IMMED.M-ENDOMED,35C	106	0	0	106	3
31503	COLIFORM, TOT, MEMBRANE FILTER,DELAY,M-ENDOMED,35C	420	0	0	420	1
31505	COLIFORM, TOT, MPN, CONFIRMED TEST,35C(TUBE 31506)	2	0	0	2	1
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	9	0	0	9	2
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	946	218	377	351	27
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	261	86	175	0	5
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	316	86	216	14	8
		2060	390	768	902	47 (30)

Toxic Elements		Total Obs.	01/01/85 to 10/22/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	1	1	0	0	1
01097	ANTIMONY, TOTAL (UG/L AS SB)	158	124	34	0	9
01000	ARSENIC, DISSOLVED (UG/L AS AS)	140	38	77	25	8
01001	ARSENIC, SUSPENDED (UG/L AS AS)	29	0	28	1	2
01002	ARSENIC, TOTAL (UG/L AS AS)	460	277	182	1	15
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	69	32	18	19	3
01012	BERYLLIUM, TOTAL (UG/L AS BE)	414	240	174	0	10
01025	CADMIUM, DISSOLVED (UG/L AS CD)	127	36	63	28	7
01026	CADMIUM, SUSPENDED (UG/L AS CD)	24	0	23	1	2
01027	CADMIUM, TOTAL (UG/L AS CD)	464	276	187	1	16
01113	CADMIUM, TOTAL RECOVERABLE IN WATER AS CD (UG/L)	1	1	0	0	1
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	130	37	64	29	8
01031	CHROMIUM, SUSPENDED (UG/L AS CR)	32	0	31	1	2
01034	CHROMIUM, TOTAL (UG/L AS CR)	454	276	176	2	17
01040	COPPER, DISSOLVED (UG/L AS CU)	128	36	64	28	7
01041	COPPER, SUSPENDED (UG/L AS CU)	36	0	35	1	2
01042	COPPER, TOTAL (UG/L AS CU)	468	272	186	10	18
01049	LEAD, DISSOLVED (UG/L AS PB)	125	36	62	27	9
01050	LEAD, SUSPENDED (UG/L AS PB)	31	0	30	1	2
01051	LEAD, TOTAL (UG/L AS PB)	437	257	178	2	16
71890	MERCURY, DISSOLVED (UG/L AS HG)	102	35	63	4	4
71895	MERCURY, SUSPENDED (UG/L AS HG)	44	0	41	3	3
71900	MERCURY, TOTAL (UG/L AS HG)	452	141	289	22	18
01065	NICKEL, DISSOLVED (UG/L AS NI)	100	46	34	20	5
01066	NICKEL, SUSPENDED (UG/L AS NI)	16	0	16	0	2
01067	NICKEL, TOTAL (UG/L AS NI)	399	202	197	0	15
01145	SELENIUM, DISSOLVED (UG/L AS SE)	136	47	81	8	10
01146	SELENIUM, SUSPENDED (UG/L AS SE)	37	0	36	1	2
01147	SELENIUM, TOTAL (UG/L AS SE)	352	186	165	1	16
01075	SILVER, DISSOLVED (UG/L AS AG)	125	43	61	21	5
01076	SILVER, SUSPENDED (UG/L AS AG)	26	0	26	0	2
01077	SILVER, TOTAL (UG/L AS AG)	434	250	184	0	13
01057	THALLIUM, DISSOLVED (UG/L AS TL)	1	0	0	1	1
01059	THALLIUM, TOTAL (UG/L AS TL)	2	1	1	0	2
01090	ZINC, DISSOLVED (UG/L AS ZN)	132	39	64	29	10
01091	ZINC, SUSPENDED (UG/L ZN)	35	0	34	1	2
01092	ZINC, TOTAL (UG/L AS ZN)	476	275	186	15	21
00720	CYANIDE, TOTAL (MG/L AS CN)	169	120	49	0	8
00722	CYANIDE, FREE (AMENABLE TO CHLORINATION) (MG/L)	1	0	1	0	1
32003	CARBON CHLOROFORM AND CARBON ALCOHOL EXT. (UG/L)	150	0	0	150	1
32005	CARBON CHLOROFORM EXTRACTABLES (UG/L)	150	0	0	150	1
32021	CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLE (UG/L)	52	0	0	52	1
32022	CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES (UG/L)	52	0	0	52	1
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER (UG/L)	47	29	18	0	6
34292	N-BUTYL BENZYL PHTHALATE, WHOLE WATER (UG/L)	47	29	18	0	6
34336	DIETHYL PHTHALATE, TOTAL (UG/L)	47	29	18	0	6
34341	DIMETHYL PHTHALATE, TOTAL (UG/L)	48	29	19	0	7
39110	DI-N-BUTYL PHTHALATE, WHOLE WATER (UG/L)	47	29	18	0	6
34596	DI-N-OCTYL PHTHALATE, TOTAL (UG/L)	47	29	18	0	6
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	224	181	39	4	11
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	15	15	0	0	9
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	2	2	0	0	2
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	9	5	0	4	3
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	215	177	38	0	9
34259	DELTA BENZENE HEXACHLORIDE, TOTAL (UG/L)	2	2	0	0	2

Toxic Elements - Continued ...		Total Obs.	01/01/85 to 10/22/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	229	183	45	1	13
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	4	4	0	0	1
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	220	177	39	4	10
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	6	6	0	0	3
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	220	177	39	4	10
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	4	4	0	0	1
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	4	0	0	4	1
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	223	181	38	4	11
34361	ENDOSULFAN, ALPHA, TOTAL (UG/L)	180	142	38	0	9
34363	ENDOSULFAN, ALPHA, SUSPENDED (UG/L)	1	0	1	0	1
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	224	182	38	4	12
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	8	4	0	4	2
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	223	181	38	4	11
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE (UG/L)	7	7	0	0	4
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE (UG/L)	7	7	0	0	4
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE (UG/L)	7	7	0	0	4
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE (UG/L)	7	7	0	0	4
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE (UG/L)	5	5	0	0	2
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE (UG/L)	7	7	0	0	4
34671	PCB - 1016, TOTAL (UG/L)	7	7	0	0	4
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	220	182	38	0	11
		9734	5350	3640	744	494 (30)

NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Park Summary: Level I Group Currentness and Distribution

Parameter Group	Total Obs.	Obs. Since 1985	% Obs. Since 1985	Stations Measuring This Group	% of Total Stations Measuring This Group	Obs. Per Station Measuring This Group	Period of Record For This Group	Observations Per Year of Period of Record
Alkalinity	9874	7666	77.6	40	44.4	246.9	10/01/56-10/22/97	240.5
pH	12678	9734	76.8	49	54.4	258.7	10/01/56-10/22/97	308.8
Conductivity	25099	6657	26.5	60	66.7	418.3	10/01/56-10/22/97	611.3
Dissolved Oxygen	28511	8797	30.9	55	61.1	518.4	12/16/57-10/22/97	715.4
Water Temperature	24478	10725	43.8	71	78.9	344.8	12/16/57-10/22/97	614.2
Flow	2863	402	14.0	47	52.2	60.9	12/07/48-05/28/97	59.1
Clarity/Turbidity	7372	4824	65.4	38	42.2	194.0	12/16/57-10/22/97	185.0
Nitrate/Nitrogen	6053	2099	34.7	41	45.6	147.6	10/01/56-10/22/97	147.4
Phosphate/Phosphorus	3485	1430	41.0	37	41.1	94.2	04/11/61-10/22/97	95.4
Chlorophyll	220	174	79.1	7	7.8	31.4	03/13/75-10/02/97	9.8
Sulfates/Total Dissolved Solids/Hardness	7835	4591	58.6	44	48.9	178.1	10/01/56-10/22/97	190.8
Bacteria	2060	390	18.9	30	33.3	68.7	01/27/58-09/24/97	51.9
Toxic Elements	9734	5350	55.0	30	33.3	324.5	10/28/57-10/02/97	243.8

Water Quality Observations
Outside STORET Edit Criteria for MNRR

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter			Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
MNRR0026	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)		850815	1500	2323.0000000	112WRD	06467500	X
MNRR0026	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		721219	1430	83000.0000000	112WRD	06467500	X
MNRR0030	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)		740712	0900	84.0000000	21NEB001	301198	X
MNRR0040	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)		710414	0840	7.0000000	121MBRCE	300200	X
MNRR0072	00070	TURBIDITY, (JACKSON CANDLE UNITS)		610810	0000	1600.0000000	21NEB001	300901	
MNRR0072	00070	TURBIDITY, (JACKSON CANDLE UNITS)		620607	0000	3630.0000000	21NEB001	300901	
MNRR0072	00070	TURBIDITY, (JACKSON CANDLE UNITS)		620717	0000	2280.0000000	21NEB001	300901	
MNRR0072	00070	TURBIDITY, (JACKSON CANDLE UNITS)		710608	0745	4100.0000000	21NEB001	300901	
MNRR0079	00070	TURBIDITY, (JACKSON CANDLE UNITS)		690407	1650	4180.0000000	21NEB001	300917	
MNRR0079	00070	TURBIDITY, (JACKSON CANDLE UNITS)		690717	1515	4250.0000000	21NEB001	300917	
MNRR0079	00070	TURBIDITY, (JACKSON CANDLE UNITS)		700413	1630	1855.0000000	21NEB001	300917	
MNRR0079	00070	TURBIDITY, (JACKSON CANDLE UNITS)		700511	1615	9020.0000000	21NEB001	300917	
MNRR0079	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		721004	1405	1485.0000000	21NEB001	300917	X
MNRR0082	00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)		680930		1100.0000000	121MBRCE	300202	
MNRR0082	00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)		681113	1515	1260.0000000	121MBRCE	300202	
MNRR0082	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		720317	1340	5000.0000000	121MBRCE	300202	
MNRR0082	00440	BICARBONATE ION (MG/L AS HCO3)		780912	1045	1635.0000000	121MBRCE	300202	X
MNRR0082	01105	ALUMINUM, TOTAL (UG/L AS AL)		780912	1045	51500.0000000	121MBRCE	300202	X
MNRR0082	01105	ALUMINUM, TOTAL (UG/L AS AL)		790410	1100	29000.0000000	121MBRCE	300202	X
MNRR0086	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		870311	1410	0.0000000	112WRD	06465500	X
MNRR0086	00400	PH (STANDARD UNITS)		910819	1230	0.0000000	112WRD	06465500	X
MNRR0086	00403	PH, LAB, STANDARD UNITS	SU	880824	1045	0.0000000	112WRD	06465500	X
MNRR0103	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)		690525	0001	9.9000000	121MBRCE	460001	X
MNRR0103	00035	WIND VELOCITY (MILES PER HOUR)		970512	0900	570.0000000	121MBRCE	460001	X
MNRR0105	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)		751216	0920	29.0000000	21SDAK01	460673	
MNRR0107	00400	PH (STANDARD UNITS)		810126	1200	12.3000000	112WRD	06453000	
MNRR0109	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		970512	0810	80.0000000	121MBRCE	46CER1	X
MNRR0109	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		970512	0810	80.0000000	121MBRCE	46CER1	X
MNRR0109	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		970512	0810	80.0000000	121MBRCE	46CER1	X
MNRR0109	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		970512	0810	80.0000000	121MBRCE	46CER1	X
MNRR0109	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		970512	0810	80.0000000	121MBRCE	46CER1	X
MNRR0109	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		970512	0810	70.0000000	121MBRCE	46CER1	X
MNRR0109	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		970512	0810	70.0000000	121MBRCE	46CER1	X
MNRR0109	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		970512	0810	70.0000000	121MBRCE	46CER1	X
MNRR0109	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		970512	0810	70.0000000	121MBRCE	46CER1	X
MNRR0109	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		970512	0810	70.0000000	121MBRCE	46CER1	X
MNRR0109	01055	MANGANESE, TOTAL (UG/L AS MN)		900814	0930	7950.0000000	121MBRCE	46CER1	X

APPENDICES

Appendix A

Computer Files Transmitted With

Park Baseline Water Quality Data Inventory and Analysis

Computer disk(s) accompanying this report include up to six (depending on the presence or absence of certain data elements) compressed (ZIP) files containing digital copies of nearly all the tables, figures, and other materials used to produce this report. To decompress these files, you must use the commonly available shareware program PKUNZIP. The command to type at the DOS prompt is:

PKUNZIP -E *COMPRESS.ZIP FILENAME.EXT*

where COMPRESS.ZIP is the name of one of the six compressed (ZIP) files listed below and FILENAME.EXT is the name of the file you wish to extract. If you want to decompress all of the files in COMPRESS.ZIP, simply omit the FILENAME.EXT. To obtain a listing of all the files compressed into a particular ZIP file, type the following:

PKUNZIP -V *COMPRESS.ZIP* |MORE

where COMPRESS.ZIP is the name of one of the six compressed ZIP files listed below. If a ZIP file spans multiple disks, use the last disk of the series (span) when obtaining a listing of all the files compressed into a particular ZIP file. Once you see the file you wish to obtain, substitute this file name for FILENAME.EXT in the first command line above to extract and decompress this particular file.

Included on one of the disk(s) accompanying this report is a program named PRINTZIP. This program will decompress ZIP files which don't span multiple disks and print certain files to a Hewlett-Packard (or compatible) Laser Printer. To use PRINTZIP, however, you must still have a copy of PKUNZIP in a directory listed in your path or in the same directory as the PRINTZIP program. PRINTZIP provides an easy, menu-driven interface for using PKUNZIP to decompress files and then send them to the printer. PRINTZIP allows you to send individual files, groups of files, or all files to the printer. PRINTZIP will not work with ZIP files that span multiple disks.

The following compressed (ZIP) files are included on the disk(s) accompanying this report:

(1) <u>MNRRTABS.ZIP</u>

This compressed file contains all the tables presented in the report. The files compressed into this file include:

(a) MNRRSITE.DOC - Descriptive listing of select fields from the industrial facilities discharges, drinking water intakes, and EPA-USGS stream gages databases.

(b) MNRRAGNC.DOC - Contacts for agencies whose data were retrieved within the study area.

(c) MNRRAGNQ.DOC - Number of stations, observations, and parameters retrieved by agency code within the study area and park.

(d) MNRROV0.DOC - Overview of park and retrieved data.

(e) MNRROV1.DOC - Station period of record table.

(f) MNRROV2.DOC - Parameter period of record table.

(g) MNRROV3.DOC - Station/parameter period of record table.

(h) MNRRINV.DOC - Station by station descriptive statistics over the entire period of record and comparison against EPA Water Quality Criteria for each station.

(i) MNRRSEAN.DOC - Seasonal and annual water quality descriptive statistics at stations with water quality data meeting the default seasonal and annual criteria.

(j) MNRREPAS.DOC - EPA Water Quality Criteria comparison for data at all stations combined within the study area.

(k) MNRRIDEA.DOC - Comparison of downloaded STORET data with NPS Servicewide Inventory and Monitoring Program "Level I" water quality parameters.

(l) MNRRBAD.DOC - Water quality observation values that were outside the range of one of 190 STORET edit criteria and were either discarded or retained.

All these compressed document files are in ASCII format and contain printer codes appropriate to Hewlett-Packard (or compatible) Laser Printers. While at the DOS prompt, any of these document files may be printed directly to a Hewlett-Packard (or compatible) Laser Printer by using the PRINT command. For example, if the document MNRROV1.DOC is in the subdirectory C:\WATER, you could type: PRINT C:\WATER\MNRROV1.DOC. This will print the file to your local or networked Hewlett-Packard (or compatible) Laser Printer attached to parallel port one (LPT1:). Alternatively, you can use the PRINTZIP program to decompress and print any of these files provided the ZIP file doesn't span multiple disks. These ASCII files can also be imported into word-processed documents, but the printer codes will then have to be removed.

(2) MNRRFIGS.ZIP

This compressed file contains graphics files for all the statistical figures (time series plots; annual box and whiskers plots; seasonal box and whiskers plots) in the report in two different formats: Computer Graphic Metafile (CGM) and Hewlett-Packard Printer Control Language (PCL). The files are named with the last three digits of the Station Name followed by the five digit STORET code. The file name extension begins with either a 1 (time series), 2 (annual), or 3 (seasonal) and then either GM for CGM or CL for PCL. For example, 00100300.2GM would denote the file contains an annual box and whiskers plot in CGM format for parameter 00300 (dissolved oxygen) at station MNRR0001. While at the DOS prompt, any PCL file can be printed directly to a Hewlett-Packard (or compatible) Laser Printer by using the COPY command. For example, if the graphic 00100300.2CL (an annual box and whiskers plot of parameter 00300, dissolved oxygen, at station MNRR0001) is in the subirectory C:\WATER, you would type: COPY C:\WATER\00100300.2CL LPT1: /B. This will print the file to your local or networked Hewlett-Packard (or compatible) Laser Printer attached to parallel port one (LPT1:). The /B is necessary because the PCL file is in a binary format. Alternatively, you can use the PRINTZIP program to decompress and print any of the PCL files provided the ZIP file doesn't span multiple disks. The CGM files can be imported and/or edited in most graphics packages, including WordPerfect.

(3) MNRRPARM.ZIP

This file compresses MNRRPARM.DBF which contains all the actual values (raw data) of all the water quality data downloaded from STORET and summarized in the report. The detailed database structure for this file is contained in Appendix B.

(4) MNRRSITE.ZIP

This compressed file contains up to five geo-referenced, DBASE III+ compatible site (point location) files documenting the location in the study area of water quality monitoring stations, industrial facilities discharges, drinking water intakes, water gages, and water impoundments. These files include:

(a) MNRRWQ.DBF - All water quality monitoring station locations within the project's study area downloaded from STORET.

(b) MNRRIFD.DBF - All municipal and industrial facility discharges within the project's study area downloaded from the IFD database.

(c) MNRRDRIN.DBF - All drinking water intakes within the project's study area downloaded from the DRINKS database.

(d) MNRRGAGE.DBF - All water gages within the project's study area downloaded from the GAGES database.

(e) MNRRDAMS.DBF - All water impoundments within the project's study area downloaded from the DAMS database.

The absence of any of these files indicates that none of the particular sites were found within the study area. Detailed database structures for each of these files are contained in Appendix B.

(5) MNRRMISC.ZIP

This compressed file contains a variety of graphic and document files that are contained in the report. They are grouped into this miscellaneous compressed (ZIP) file because they don't fit neatly into any of the other compressed files. The files contained in this compressed file include:

(a) MNRREXEC.DOC - WordPerfect Ver. 5.1 copy of the Executive Summary in the report.

(b) MNRRTOC.DOC - WordPerfect Ver. 5.1 copy of the report's Table of Contents.

(c) INTRO.DOC - WordPerfect Ver. 5.1 copy of all the text in the report from the Introduction through the Interpretive Guide to Water Quality Results.

(d) APPENDIX.DOC - WordPerfect Ver. 5.1 copy of all the Appendices in the report.

(e) MNRRREGI - PCL and CLP (Windows Clipboard) copies of map displaying the regional location of the park and study area.

(f) MNRRWQ - PCL and CLP (Windows Clipboard) copies of park maps displaying water quality station locations within the park's study area. If, due to scaling and aesthetic concerns, multiple maps were needed, these files will have alphabetically ordered suffixes (MNRRWQA, MNRRWQB,

MNRRWQC, etc.) and the index map name will end with an ampersand (&).

(g) MNRRIDG - PCL and CLP (Windows Clipboard) copies of park maps displaying locations of industrial facilities discharges, drinking water intakes, and stream gages within the park's study area. If, due to scaling and aesthetic concerns, multiple maps were needed, these files will have alphabetically ordered suffixes (MNRRIDGA, MNRRIDGB, MNRRIDGC, etc.) and the index map name will end with an ampersand (&). If no industrial facilities discharges, drinking water intakes, water gages, or water impoundments exist within the park's study area, these files will not be in the compressed (ZIP) file.

(h) MNRRSEHY - PCL and CLP (Windows Clipboard) copies of the hydrographs or other materials used by WRD staff as the basis for a first attempt at a seasonal analysis of the park's water quality data.

Other materials may also be included in this miscellaneous compressed (ZIP) file as warranted by conditions at the park. As with MNRRFIGS.ZIP and MNRRTABS.ZIP, you can use the PRINTZIP program to print any of the PCL files in MNRRMISC.ZIP provided the ZIP file doesn't span multiple disks. You should not, however, use PRINTZIP to print the WordPerfect document files. The CLP (Windows Clipboard) files can be imported (pasted) and/or edited in most Windows-based word processors and graphics packages.

(6) MNRRRF3.ZIP

This compressed file contains the Environmental Protection Agency's River Reach File Ver. 3.0 provisional data for the USGS catalog unit(s) encompassing the study area. The attribute data exist in both ASCII and DBASE III+ format, while the geographic traces exist in ASCII format. This compressed file contains four files for each catalog unit that touches the study area. Catalog units are identified by unique 8-character numeric names which identify the region, subregion, accounting unit, and catalog unit. Examples (your 8-character numeric names will be different) of the file types included in this compressed file are:

(a) 12345678.RF3 - ASCII formatted attribute file from the River Reach File for all hydrographic traces within the catalog unit.

(b) 12345678.DBF - DBASE III+ formatted attribute file from the River Reach File for all hydrographic traces within the catalog unit.

(c) 12345678.TRC - ASCII formatted geographic file from the River Reach File containing digital, geo-referenced descriptions of all hydrographic traces within the catalog unit at a scale of 1:100,000 suitable for import into a geographic information system.

(d) 12345678.CUB - ASCII formatted geographic file from the River Reach File containing a digital, geo-referenced description of the catalog unit boundary suitable for import into a geographic information system.

Detailed database structures for RF3-related files are contained in Appendix B.

Appendix B

Water Quality Database File Structures

The following table provides the DBASE III+ database field structure for all the water quality parameter data downloaded from STORET. This data will allow parks or other interested parties to replicate the statistical analyses and graphics contained in this report; perform more sophisticated analyses; or to establish a baseline park water quality database.

Parameter Data File: MNRRPARM.DBF in MNRRPARM.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
NPSSTATID	1	8	8	NPS Station ID (NPS park code + 4 digit sequence number)
BEGDATE	9	14	6	Measurement Start Date [yymmdd]
BEGTIME	15	18	4	Measurement Start Time [hhmm]
PARMCODE	19	23	5	STORET Parameter Code
PARMVALU	24	39	16.7	Parameter Value
REMARK	40	40	1	Parameter Remark Value
				A=Value is Mean of 2 or More Determinations
				B=Results Based Upon Colony Counts Outside Acceptable Range
				C=Value Calculated
				D=Field Measurement
				E=Extra Sample Taken in Compositing Process
				F=Female Species
				G=Maximum of 2 or More Determinations
				H=Based on Field Kit Determination
				I=Value is Less Than Practical Quantitation Limit and Greater Than or Equal to the Method Detection Limit
				J=Estimated, Not the Result of Analytic Measurement
				K=Off-scale Low, Actual Value Not Known, But Known to be Less Than Value Shown
				L=Off-scale High, Actual Value Not Known, But Known to be Greater Than Value Shown

Parameter Data File: MNRRPARM.DBF in MNRRPARM.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
				M=Presence Verified, But Not Quantified, Below Quantification Limit; For Species, Male; For Oxygen Reduction Potential, Indicates a Negative Value
				N=Presumptive Evidence of Presence
				O=Analysis Lost
				P=Too Numerous to Count
				Q=Exceeded Normal Holding Time
				R=Significant Rain in Last 48 Hours
				S=Laboratory test
				T=Less Than Detection Criteria
				U=Analyzed For But Not Detected, Value is Detection Limit For Process Used; If Species, Undetermined
				V=Analyte was Detected in Sample and Method Blank
				W=Less Than Lowest Value Reportable Under Remark "T"
				X=Quasi Vertically-Integrated Sample
				Y=Analysis of Unpreserved Sample
				Z=Too Many Colonies Were Present to Count (TNTC), Value Represents Filtration Value
				$=Calculated By Retrieval Software
MEDIA	41	46	6	Sample Media
DEPTH	47	55	9.3	Depth of Sample [in feet]
ENDDATE	56	61	6	Measurement End Date [yymmdd] [all composite samples]
ENDTIME	62	65	4	Measurement End Time [hhmm] [all composite samples]
SAMPTYPE	66	69	4	Type of Sample ["sophisticated" composite samples]
				C=Continuous Collection
				G=Collection of Individual Grab Samples
				GNxx=xx is the Number of Individual Grab Samples
				B=N/A

Parameter Data File: MNRRPARM.DBF in MNRRPARM.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
COMPTYPE	70	70	1	Composite Value Type ["sophisticated" composite samples]
				A=Average
				H=Maximum
				L=Minimum
				N=Number of Observations
				#=Number of Observations
				S=Standard Deviation
				U=Sum of Squares
				V=Variance
				C=Coefficient of Error
				X=Coefficient of Variance
				E=Skewness
				F=Kurtosis
				Z=Number of Observations That Exceed an Established Limit
				%=Precision
				$=Accuracy
				B=N/A
				D=Indicates Replicate Sample
COMPST	71	71	1	Composite Space/Time Indicator
				S=Space
				T=Time
				B=Space and Time
				F=Flow Proportional
				1-9=Replicate Number

Note: DBASE III+ record lengths will be one greater than the last stop column displayed (71 here) because DBASE III+ reserves the first space/column of every record for a deletion flag. Hence, DBASE III+ will display a record length of 72 for this database.

The following table provides the DBASE III+ database field structure for all the water quality station locations downloaded from STORET. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Water Quality Station Data File: MNRRWQ.DBF in MNRRSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
NPSSTATID	1	8	8	NPS Station ID (NPS park code + 4 digit sequence number)
AGENCY	9	16	8	Agency Code of Station Owner
STORIDP	17	31	15	STORET Primary Station Code
STORIDS1	32	43	12	STORET First Secondary Station Code
STORIDS2	44	55	12	STORET Second Secondary Station Code
STORIDS3	56	65	10	STORET Third Secondary Station Code
LATITUDE	66	73	8	Station Latitude [degrees:minutes:seconds]
LONGITUDE	74	82	9	Station Longitude [degrees:minutes:seconds]
LAT	83	93	11.6	Station Latitude [decimal degrees, (-) below equator]
LON	94	104	11.6	Station Longitude [decimal degrees, (-) western hemisphere]
LLPREC	105	105	1	Latitude/Longitude Precision Code
RMI	106	329	224	River Mile Index
STATLOC	330	377	48	Station Location Description
CNTYCODE	378	382	5	FIPS State/County Code
STNAME	383	398	16	State Name
CNTYNAME	399	418	20	County Name
HYDUNIT	419	426	8	Hydrologic Unit Code (MAJ/MIN/SUB = Catalog Unit)
MAJBASN	427	450	24	Major Basin Name
MINBASN	451	490	40	Minor Basin Name
STATTYPE	491	550	60	Station Type
STORDATE	551	556	6	Date Station was Stored in STORET
RF1INDEX	557	567	11	RF1 Reach Number Location [2]
RF1MILE	568	575	8.3	Mile Point on RF1 Reach [2]
RF1LOC	576	578	3	Indicates the Location as ON or OFF RF1 Reach [2]
RF1DIST	579	584	6.2	Distance From RF1 Reach

Water Quality Station Data File: MNRRWQ.DBF in MNRRSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
RF3INDEX	585	601	17	RF3 Reach Number Location [3]
RF3MILE	602	607	6.2	Mile point on RF3 Reach [3]
RF3LOC	608	610	3	Indicates the Location as ON or OFF RF3 Reach [2]
RF3DIST	611	616	6.2	Distance From RF3 Reach
DEPH2O	617	620	4	Depth of Water at Station Location [in feet]
ELEV	621	625	5	Station Elevation
ECOREG	626	628	3	ECO Region
H2OBODY	629	678	50	Waterbody ID
AQUIFERS	679	718	40	Aquifer Description
STATDESC1	719	790	72	Station Sentence Description
STATDESC2	791	862	72	Station Sentence Description
STATDESC3	863	934	72	Station Sentence Description
STATDESC4	935	1006	72	Station Sentence Description
STATDESC5	1007	1078	72	Station Sentence Description
STATDESC6	1079	1150	72	Station Sentence Description
STATDESC7	1151	1222	72	Station Sentence Description
STATDESC8	1223	1294	72	Station Sentence Description
STATDESC9	1295	1366	72	Station Sentence Description
STATDESC10	1367	1438	72	Station Sentence Description
STATDESC11	1439	1510	72	Station Sentence Description
STATDESC12	1511	1582	72	Station Sentence Description
STATDESC13	1583	1654	72	Station Sentence Description
STATDESC14	1655	1726	72	Station Sentence Description
STATDESC15	1727	1798	72	Station Sentence Description

The following table provides the DBASE III+ database field structures for the EPA Industrial Facilities Discharge database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Industrial Facilities Discharges File: MNRRIFD.DBF in MNRRSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
SITEID	1	9	9	Site Identifier (NPDES Number)
LATITUDE	10	17	8	Facility Latitude (Degrees:Minutes:Seconds)
LONGITUDE	18	26	9	Facility Longitude (Degrees:Minutes:Seconds)
LAT	27	37	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	38	48	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	49	59	11	RF1 Reach Number Location
RF1MILE	60	65	6.2	Mile Point on RF1 Reach
RF1DIST	66	71	6.2	Distance From RF1 Reach
RF3INDEX	72	88	17	RF3 Reach Number Location
RF3MILE	89	94	6.2	Mile Point on RF3 Reach
RF3DIST	95	100	6.2	Distance From RF3 Reach
ADR	101	125	25	Address
BFL	126	132	7.2	Total Direct Combined C&P Flow (1000 GPD)
CCFLG	133	133	1	Coastal County Flag "Y"/"N"/"E"=Estuary
CC1	134	138	5	City Code #1 (EPA Code)
CFL	139	145	7.2	Total Direct Cooling Flow (1000 GPD)
CNC	146	148	3	County Code (FIPS)
CTY	149	168	20	City Name
CZIP	169	177	9	Canadian Zip Code
DNB	178	186	9	Dunn & Bradstreet Number
DNBFLG	187	187	1	Dunn & Bradstreet PCS Source Flag
EGF	188	202	15.4	Flow From Effluent Guidelines (1000 GPD)
EGS	203	208	6	Effluent Guidelines Subcategory
EXPDT	209	216	8	Expiration Date (mm/dd/yy)
E308SN	217	220	4	Effluent Guidelines Survey Number

Industrial Facilities Discharges File: MNRRIFD.DBF in MNRRSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
FAC	221	229	9	SCS Facility Identifier (Cross-Reference)
FDS	230	232	3	Facility Data Source
FFL	233	239	7.2	Total Facility Flow (1000 GPD)
FHF	240	240	1	Fac. Hit Flag (Reach File) V=Versar Assumed
FLOTYP	241	243	3	I=Blow Down, R=Bottom Ash, S=Fly Ash
FLR	244	250	7.2	Flow Recvd-Industrial (1000 GPD) Permit Data
FRDS	251	259	9	FRDS ID# - XREF To Water Supply
FRW	260	289	30	Facility Receiving Water Name
FS1	290	293	4	Facility SIC Code (From PCS)
FS2	294	297	4	Facility SIC Code #1
FS3	298	301	4	Facility SIC Code #2
FS4	302	305	4	Facility SIC Code #3
FS5	306	309	4	Facility SIC Code #4
FUD	310	317	8	Facility Level Last Date Updated (mm/dd/yy)
IACC	318	318	1	Inactive/Active Indicator ("I" or "A")
ICAT	319	320	2	WQAB Industrial Category
ICAT2	321	322	2	WQAB Industrial Category 2
ICAT3	323	324	2	WQAB Industrial Category 3
IFL	325	331	7	Total Indirect Flow (1000 GPD)
IFT	332	332	1	Illinois Facility Type (A thru Z)
IG1	333	334	2	Facility Industrial Group #1
IG2	335	336	2	Facility Industrial Group #2
IJCN	337	346	10	Canadian Record Identifier
INACT	347	353	7	Inactive/Rescinded P=Based on Permit;A=Actual
INDCNT	354	357	4	Computed Number of Indirect Dischargers
LATLON	358	372	15	Polygon Retrieval Lat/Long.
MAJ	373	373	1	Major-Minor Flag (From PCS)
MAPID	374	377	4	Map Identifier

Industrial Facilities Discharges File: MNRRIFD.DBF in MNRRSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
MJMN	378	381	4	Major/Minor Basin (EPA-STORET)
NAM	382	441	60	Facility Name
NDC	442	444	3	Number of Discharges (Pipes)
NDSFLO	445	451	7.2	NEEDS Flow (1000 GPD)
NDSIFLO	452	458	7.2	NEEDS Industrial Flow (1000 GPD)
NID	459	462	4	Number of Indirect Dischargers
NPC	463	463	1	NEEDS Pre-Treatment Code "Y"=Yes, "N"=No
NPS	464	464	1	NPDES Facility Source/Status
NSN	465	473	9	NEEDS Survey Number
NTC	474	474	1	NEEDS Treatment Code
OCP	475	480	6	Organic Chemical Producers ID Number
ODESCC	481	481	1	ODES Coastal County "Y"=Yes; "N"=No
OFL	482	488	7.2	Total Non-Direct Other Flow (1000 GPD)
OWN	489	491	3	Ownership Code
PFL	492	498	7.2	Total Direct Process Flow (1000 GPD)
REG	499	500	2	EPA Region
REGKEY	501	504	4	Region Key
RSLOFLO	505	511	7.2	Receiving Stream Low Flow
RSMNFLO	512	518	7.2	Receiving Stream Mean Flow
STA	519	520	2	State Postal Abbreviation
STAID	521	535	15	State Identifier
STC	536	537	2	State Code (FIPS)
STCITY	538	544	7	State/City Code
TFLOW	545	551	7.2	Type Flow (1000 GPD)
UFL	552	558	7.2	Total Direct Undefined Flow (1000 GPD)
XEGS	559	561	3	Effluent Guidelines Subcat Index
XKEY	562	562	1	"1","2","3","4","5","6","7","8","9"
XNME	563	565	3	GLP,DIR,F2C,ENF,CET,LAG,PPB,M85,M86

Industrial Facilities Discharges File: MNRRIFD.DBF in MNRRSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
ZIP	566	570	5	Zip Code

The following table provides the DBASE III+ database field structures for drinking water intakes from the EPA DRINKS database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Drinking Water Intakes File: MNRRDRIN.DBF in MNRRSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
SITEID	1	20	20	Site Identifier
LATITUDE	21	28	8	Facility Latitude (Degrees:Minutes:Seconds)
LONGITUDE	29	37	9	Facility Longitude (Degrees:Minutes:Seconds)
LAT	38	48	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	49	59	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	60	70	11	RF1 Reach Number Location
RF1MILE	71	76	6.2	Mile Point on RF1 Reach
RF1DIST	77	82	6.2	Distance From RF1 Reach
RF3INDEX	83	99	17	RF3 Reach Number Location
RF3MILE	100	105	6.2	Mile Point on RF3 Reach
RF3DIST	106	111	6.2	Distance From RF3 Reach
AQCD	112	115	4	Aquifer Code
ASC	116	138	23	STORET Agency/Station Code
AVGD	139	142	4	Average Depth
BUY	143	143	1	Purchase Code
CC1	144	148	5	City Code #1 (EPA Code)
CNC	149	151	3	County Code (FIPS)
CNME	152	166	15	Contact Name
CNN	167	186	20	County Name
CTITLE	187	201	15	Contact Title
CTY	202	221	20	City Name
DUD	222	229	8	Date of Update
FRDS	230	238	9	FRDS ID# - Cross-Reference
GEOAG	239	258	20	Geologic Age
GEOCDE	259	261	3	Geologic Age Code

Drinking Water Intakes File: MNRRDRIN.DBF in MNRRSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
IDAT	262	269	8	Date (mm/dd/yy)
INTAKET	270	270	1	Type Source G/S/B
INTRVWR	271	285	15	Interviewer
MAXD	286	289	4	Maximum Depth
MILES	290	296	7.2	Miles
MIND	297	300	4	Minimum Depth
NAME	301	320	20	Name
NPD	321	329	9	NPDES# XREF to IFD Database
NWLS	330	332	3	Number of Wells
OWN	333	335	3	Ownership
PAVGF	336	342	7.2	Production Avg. Daily (Gal/Day)
PCTSUP	343	345	3	%Surface / %Ground
PHONE	346	355	10	Telephone Number
PMAXF	356	362	7.2	Production Max. Daily (Gal/Day)
POPSV	363	371	9	Population Served
REG	372	373	2	EPA Region
SHLAT	374	379	6	Sitehelp Latitude (DDMMSS)
SHLNG	380	386	7	Sitehelp Longitude (DDDMMSS)
SHMILES	387	393	7.2	Sitehelp Miles
SHNME	394	403	10	Sitehelp Source Name
SHPCT	404	410	7.2	Sitehelp Percent of Reach Miles
SRC	411	413	3	Sitehelp Source Code
STA	414	415	2	State Abbreviation
STC	416	417	2	State Code (FIPS)
TUF	418	424	7.2	Total Utility Flow
TYPCDE	425	425	1	Type Code
UHF	426	426	1	Utility Hit Flag (Reach File)
VCDE	427	427	1	Versar Code='V'=>25K; '*'=<25K POPSVD

Drinking Water Intakes File: MNRRDRIN.DBF in MNRRSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
WFPC	428	428	1	Wellfield Precision Code
WFTYP	429	429	1	Well Type (Cassing,Artesian,Infiltration,etc.)
WUN	430	449	20	Water Utility Name

The following table provides the DBASE III+ database field structures for the Water Gage database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Water Gage File: MNRRGAGE.DBF in MNRRSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
SITEID	1	20	20	Site Identifier
LATITUDE	21	28	8	Facility Latitude (DDMMSS)
LONGITUDE	29	37	9	Facility Longitude (DDDMMSS)
LAT	38	48	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	49	59	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	60	70	11	RF1 Reach Number Location
RF1MILE	71	76	6.2	Mile Point on RF1 Reach
RF1DIST	77	82	6.2	Distance From RF1 Reach
RF3INDEX	83	99	17	RF3 Reach Number Location
RF3MILE	100	105	6.2	Mile Point on RF3 Reach
RF3DIST	106	111	6.2	Distance From RF3 Reach
JAN	112	118	7.2	Monthly Flow - January
FEB	119	125	7.2	Monthly Flow - February
MAR	126	132	7.2	Monthly Flow - March
APR	133	139	7.2	Monthly Flow - April
MAY	140	146	7.2	Monthly Flow - May
JUN	147	153	7.2	Monthly Flow - June
JUL	154	160	7.2	Monthly Flow - July
AUG	161	167	7.2	Monthly Flow - August
SEP	168	174	7.2	Monthly Flow - September
OCT	175	181	7.2	Monthly Flow - October
NOV	182	188	7.2	Monthly Flow - November
DEC	189	195	7.2	Monthly Flow - December
RGN	196	197	2	Region Code
AREA	198	204	7.2	Drainage Area (SQ.MI.)

Water Gage File: MNRRGAGE.DBF in MNRRSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
DUD	205	212	8	Date of Update
FBCF	213	213	1	Flag - Basic Characteristic File ('Y')
FDFF	214	214	1	Flag - Daily Flows File ('Y')
FQMINV	215	224	10	IHS Pt. Files Index
GHF	225	225	1	Hit Flag (Reach File)
ICDE	226	226	1	Integrity Code
LFVEL	227	233	7.2	Low Flow Velocity
METHOD	234	236	3	Calculation Method Code
MFVEL	237	243	7.2	Mean Flow Velocity
MNFLO	244	250	7.2	USGS Mean Annual Flow
NME	251	298	48	Station Name
SHLAT	299	304	6	Sitehelp Latitude (DDMMSS)
SHLNG	305	311	7	Sitehelp Longitude (DDDMMSS)
SHMILES	312	318	7.2	Sitehelp Miles
SHNME	319	328	10	Sitehelp Source Name
SHPCT	329	335	7.2	Sitehelp Percent of Reach Miles
SITE	336	337	2	Site Location
SRC	338	340	3	Sitehelp Source Code
STCTY	341	345	5	State/County Numeric Code
SVTEN	346	352	7.2	USGS 7-10 Year Flow
BEG_WYR	353	356	4	Beginning Water Year
END_WYR	357	359	4	Ending Water Year
ELEV	361	368	8.2	Elevation (Feet)
WELL_DP	369	376	8.2	Well Depth (Feet)

The following table provides the DBASE III+ database field structures for the Water Impoundment database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Water Impoundment File: MNRRDAMS.DBF in MNRRSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
SITEID	1	7	7	Site Identifier
SOURCE	8	10	3	Source of Data
ST1	11	12	2	Primary State Code Abbreviation
STCTY1	13	17	5	State/County Numeric Code
NAME	18	47	30	Official Name of Dam
LATITUDE	48	53	6	Facility Latitude (DDMMSS)
LONGITUDE	54	60	7	Facility Longitude (DDDMMSS)
LAT	61	70	10.6	Facility Latitude (decimal degrees, (-) below equator)
LON	71	81	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
INME	82	111	30	Impoundment Name
RNME	112	139	28	River, Stream, or Tributary Name on Which Dam Built
CUSEGMI	140	149	10	Catalog Unit, Segment, and Segment Length
REGN	150	151	2	Water Resources Council Region Code
RGBSN	152	155	4	Water Resources Region/Basin Code
CU	156	163	8	Catalog Unit
SEG	164	166	3	Reach Segment of Dam
SEGL	167	171	5.2	Reach Segment Length
PURP	172	172	1	Major Purpose of Dam
				I=Irrigation
				H=Hydroelectric
				N=Navigation
				S=Water Supply
				R=Recreation
				P=Stock/Farm Pond
				D=Debris Control

Water Impoundment File: MNRRDAMS.DBF in MNRRSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
				F=Flood Control
				O=Other
FRF3	173	189	17	RF3 Reach Number Location
FRF3MI	190	194	5	Mile Point on RF3 Reach
PURPKEY	195	195	1	Purpose Key
PUR2	196	196	1	Purpose of Dam 2 (See Above)
PUR3	197	197	1	Purpose of Dam 3 (See Above)
PUR4	198	198	1	Purpose of Dam 4 (See Above)
PUR5	199	199	1	Purpose of Dam 5 (See Above)
PUR6	200	200	1	Purpose of Dam 6 (See Above)
PUR7	201	201	1	Purpose of Dam 7 (See Above)
PUR8	202	202	1	Purpose of Dam 8 (See Above)
PUR9	203	203	1	Purpose of Dam 9 (See Above)
PUR10	204	204	1	Purpose of Dam 10 (See Above)
TYPDAM	205	206	2	Major Dam Portion Type
				RE=Earth
				VA=Vaulted Arch
				CD=Buttress
				PG=Gravity
				ER=Rockfill
				MV=Multi-Arch
				OT=Other
YRCMP	207	210	4	Year Dam Completed
SHGT	211	214	4	Structural Height (Feet)
HHGT	215	218	4	Hydraulic Height (Feet)
VNORM	219	236	8	Normal Storage of Impoundment (Acre-Feet)
VMAX	227	234	8	Maximum Storage of Impoundment (Acre-Feet)
LCRST	235	239	5	Crest Length of Dam (Feet)

Water Impoundment File: MNRRDAMS.DBF in MNRRSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
TSPL	240	240	1	Spillway Type
				C=Controlled
				U=Uncontrolled
				N=None
				X=Unknown
WSPL	241	244	4	Dam Spillway Width (Feet)
QMAX	245	251	7	Maximum Spillway Discharge (CFS)
PINS	252	258	7.2	Quantity of Installed Power (Megawatts)
PPRO	259	265	7.2	Quantity of Proposed Power (Megawatts)
LOCK	266	266	1	Number of Navigational Locks
OWNR	267	290	24	Name of Impoundment Owner
PFOWN	291	291	1	Ownership Code
				N=Non-Federal
				G=Federal Government Agency
				C=Corps of Engineers
				X=Unknown
FEDR	292	292	1	Federally Regulated (Y=Yes, N=No, X=Unknown)
FLND	293	293	1	Private Dam on Federal Land (Y=Yes, N=No, X=Unknown)
SCSA	294	294	1	Type of Soil Conservation Service Assistance
				N=No Assistance
				T=Technical Assistance
				F=Financial Assistance
				B=Both Technical and Financial Assistance
				X=Unknown
DHAZ	295	295	1	Degree of Downstream Hazard
				1=High (More than a Few Lives Lost; Excessive Economic Loss)
				2=Significant (A Few Lives Lost; Appreciable Economic Loss)

Water Impoundment File: MNRRDAMS.DBF in MNRRSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
				3=Low (No Lives Expected Lost; Minimal Economic Loss)
DCITY	296	319	24	Nearest Downstream City
POP	320	326	7	Population of Downstream City
DMILE	327	331	5.2	Distance of Downstream City From Dam (Miles)
RET	332	342	11.2	Retention Coefficient (Dimensionless)
MIX	343	353	11.2	Mixing Coefficient (Dimensionless)
SAREA	354	361	8	Surface Area of Impoundment (Acres)
SAFLG	362	362	1	Surface Area Flag (C=Calc., M=Measured, O=Other)
ILNTH	363	367	5	Length of Impoundment (Feet)
ILFLG	368	368	1	Impoundment Length Flag (C=Calc., M=Measured, O=Other)
UPKEY	369	374	6	Update Key (YYMMDD)

The following table provides the ASCII and DBASE III+ database field structures for the EPA River Reach File Ver. 3.0 (1:100,000 scale hydrography) attributes. The actual numeric file names will vary depending on the catalog unit(s). This information can be readily incorporated into the park's Geographic Information System.

RF3 Structure File: 12345678.RF3 and 12345678.DBF in MNRRRF3.ZIP				
Field Name	Start	Stop	Length	Field Description
CATUNIT	1	8	8	Cataloging Unit (CU)
SEGM	9	12	4	Segment Number (SEG)
MI	13	17	5.2	Mile Point (MI)
UPMI	18	22	5.2	Upstream Mile Pt.
SEQNO	23	33	11.6	Hydro Sequence No.
RFLAG	34	34	1	Reach Flag (0,1)
OWFLAG	35	35	1	Open Water Flag (0,1)
TFLAG	36	36	1	Terminal Flag (0,1)
SFLAG	37	37	1	Start Flag (0,1)
RCHTYPE	38	38	1	Reach Type Code
LEV	39	40	2	Stream Level
JUNC	41	42	2	Level of Downstream Reach
DIVERGENCE	43	43	1	Divergence Code
STARTCU	44	51	8	Start CU
STRTSG	52	55	4	Start SEG
STOPCU	56	63	8	Stop CU
STOPSG	64	67	4	Stop SEG
USDIR	68	68	1	Upstream Direction
TERMID	69	73	5	Terminal Stream ID
TRMBLV	74	74	1	Terminal Base Level
PNAME	75	104	30	Primary Name
PNMCD	105	115	11	Primary Name Code
CNAME	116	145	30	Complement Name
CNMCD	146	156	11	Complement Name Code

RF3 Structure File: 12345678.RF3 and 12345678.DBF in MNRRRF3.ZIP				
Field Name	Start	Stop	Length	Field Description
OWNAME	157	186	30	Open Water Name
OWNMCD	187	197	11	Open Water Name Code
DSCU	198	205	8	Downstream CU
DSSEG	206	209	4	Downstream SEG
DSMI	210	214	5.2	Downstream MI
CCU	215	222	8	Complement CU
CSEG	223	226	4	Complement SEG
CMILE	227	231	5.2	Complement MI
CDIR	232	232	1	Complement Direction
ULCU	233	240	8	Upstream Left CU
ULSEG	241	244	4	Upstream Left SEG
ULMI	245	249	5.2	Upstream Left MI
URCU	250	257	8	Upstream Right CU
URSEG	258	261	4	Upstream Right SEG
URMI	262	266	5.2	Upstream Right MI
SEGL	267	272	6.2	Reach Length (Miles)
RFORGFLAG	273	273	1	RF Orgin flag(1,2,3)
ALTPNMCD	274	281	8	Alt. Primary Name Code
ALTOWNMC	282	289	8	Alt. OW Name Code
DLAT	290	297	8.4	Downstream Latitude
DLONG	298	305	8.4	Downstream Longitude
ULAT	306	313	8.4	Upstream Latitude
ULONG	314	321	8.4	Upstream Longitude
MINLAT	322	329	8.4	Minimum Latitude
MINLONG	330	337	8.4	Minimum Longitude
MAXLAT	338	345	8.4	Maximum Latitude
MAXLONG	346	353	8.4	Maximum Longitude
NDLGREC	354	357	4	No. of DLG Records

RF3 Structure File: 12345678.RF3 and 12345678.DBF in MNRRRF3.ZIP				
Field Name	Start	Stop	Length	Field Description
LL1KEY1	358	367	10	Starting DLG LL Key1
LL2KEY1	368	377	10	Ending DLG LL Key1
LL1KEY2	378	387	10	Starting DLG LL Key2
LL2KEY2	388	497	10	Ending DLG LL Key2
LL1KEY3	398	407	10	Starting DLG LL Key3
LL2KEY3	408	417	10	Ending DLG LL Key3
LL1KEY4	418	427	10	Starting DLG LL Key4
LL2KEY4	428	437	10	Ending DLG LL Key4
LL1KEY5	438	447	10	Starting DLG LL Key5
LL2KEY5	448	457	10	Ending DLG LL Key5
LL1KEY6	458	467	10	Starting DLG LL Key6
LL2KEY6	468	477	10	Ending DLG LL Key6
LL1KEY7	478	487	10	Starting DLG LL Key7
LL2KEY7	488	597	10	Ending DLG LL Key7
LL1KEY8	498	507	10	Starting DLG LL Key8
LL2KEY8	508	517	10	Ending DLG LL Key8
LL1KEY9	518	527	10	Starting DLG LL Key9
LL2KEY9	528	537	10	Ending DLG LL Key9
LL1KEY10	538	547	10	Start DLG LL Key 10
LL2KEY10	548	557	10	Ending DLG LL Key10
LN1AT2	558	561	4	DLG Line Attr. 1
LN2AT2	562	565	4	DLG Line Attr. 2
AREA1	566	569	4	DLG Area ID 1
AREA2	570	573	4	DLG Area ID 2
AR1AT2	574	577	4	DLG Area Attribute
AR1AT4	578	581	4	DLG Area Attribute
AR2AT2	582	585	4	DLG Area Attribute
AR2AT4	586	589	4	DLG Area Attribute

RF3 Structure File: 12345678.RF3 and 12345678.DBF in MNRRRF3.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
UPDATE1	590	595	6	Update Date #1 (mmddyy)
UPDTCD1	596	603	8	Update Type Code #1
UPDTSRC1	604	611	8	Update Source #1
UPDATE2	612	617	6	Update Date #2 (mmddyy)
UPDTCD2	618	625	8	Update Type Code#2
UPDTSRC2	626	633	8	Update Source #2
UPDATE3	634	639	6	Update Date #3 (mmddyy)
UPDTCD3	640	647	8	Update Type Code #3
UPDTSRC3	648	655	8	Update Source #3
DIVCU	656	663	8	Divergent CU
DIVSEG	664	667	4	Divergent SEG
DIVMILE	668	672	5.2	Divergent MI
DLGID	673	678	6	DLG Number Special Use For Internal State Codes
FILLER	678	685	7	Filler: Future Use

Note: The structure for the .DBF file varies slightly from the RF3 structure displayed here in that the fields UPDATE1, UPDATE2, and UPDATE3 have a width of 8 and the last two fields, DLGID and FILLER, have been replaced with a field named ID of length 17. This ID field combines the CATUNIT, SEGM, and MI fields.

The following table provides the ASCII database field structures for the EPA River Reach File Ver. 3.0 (1:100,000 scale hydrography) traces. The actual numeric file names will vary depending on the catalog unit(s). This file contains the actual hydrographic network and is suitable for conversion into a variety of Geographic Information System formats.

RF3 Trace File: 12345678.TRC in MNRRRF3.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
(Header Record)				
CATUNIT	1	8	8	Cataloging Unit
SEGM	9	12	4	Segment Number
MI	13	17	5.2	Mile Point
NPTS	18	21	4	Number of Lat/Lon Coordinates
(Coordinate Record)				
LATITUDE	1	8	8.4	Latitude in Decimal
LONGITUDE	9	16	8.4	Longitude in Decimal
FILLER	17	21	5	

The following table provides the ASCII database field structures for the EPA River Reach File Ver. 3.0 (1:100,000 scale hydrography) catalog unit boundary file. The actual numeric file names will vary depending on the catalog unit(s). This file contains the actual catalog unit boundary and is suitable for conversion into a variety of Geographic Information System formats.

Catalog Unit Boundary File: 12345678.CUB in MNRRRF3.ZIP
First Line = Catalog Unit Number (8 Characters)
Subsequent Lines:
L=DDMMSS,L=DDDMMSS,L=DDMMSS,L=DDDMMSS,L=DDMMSS,L=DDDMMSS, ...
Example:
02070010
L=391259,L=0770809,L=391220,L=0770749,L=391147,L=0770715,L=391120,L=0770633,
L=391058,L=0770535,L=391042,L=0770520,L=391016,L=0770427,L=390948,L=0770416,
L=390526,L=0765331,L=390500,L=0765149,L=390456,L=0765139,L=390357,L=0765123,
...
L=390744,L=0771007,L=390826,L=0771022,L=390910,L=0771022,L=390950,L=0771003,
L=391107,L=0770922,
There can be as many as four latitude/longitude pairs per line.

The following table provides the DBASE III+ database field structure of the Water Resources Division's "encyclopedia" file that documents the minimum and maximum parameter values found and the park(s) where they occurred. This file is intended for Water Resources Division internal use, but will be available to anyone upon request after Baseline Water Quality Data Inventory and Analysis reports have been completed for all parks.

Encyclopedia File: WRD File For Internal Use Only				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
PARM	1	5	5	STORET Parameter Code
PARMNAME	6	45	40	Parameter Name
MINVAL	46	61	16.7	Minimum Value
MINVALPARK	62	65	4	Park Unit with Minimum Value
MAXVAL	66	71	16.7	Maximum Value
MAXVALPARK	72	75	4	Park Unit with Maximum Value

Appendix C

STORET Water Quality Control/Edit Checking

The following table provides the high and low values used by STORET since November 1983 for 190 common water quality parameters to screen or error check data. Data entered into STORET prior to November 1983, however, were not subjected to this edit/bounds check. Additionally, data from the USGS WATSTORE system that is loaded into STORET is never subjected to these edit criteria and agencies entering data in STORET can override these edit criteria to enter data values that fall outside a range. As a consequence, all data downloaded from STORET for the purposes of this project were filtered through these edit criteria to document values outside the generally accepted ranges. Decisions were then made on a case-by-case basis to retain or discard obviously incorrect data. Refer to the Water Quality Observations Outside STORET Edit Criteria section of the Interpretive Guide To Water Quality Results chapter for more information on this subject.

STORET Code	STORET Parameter Description	High Value	Low Value
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	37.0	-2.0
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	98.0	31.0
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	52.0	-40.0
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	125.0	-40.0
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE	1990.9	1977.0
00032	CLOUD COVER (PERCENT)	101.0	0.0
00035	WIND VELOCITY (MILES PER HOUR)	85.0	0.0
00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	361.0	0.0
00045	PRECIPITATION, TOTAL (INCHES PER DAY)	15.0	0.0
00070	TURBIDITY, (JACKSON CANDLE UNITS)	1500.0	0.0
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	101.0	0.0
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	500.0	0.0
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	1000.0	0.0
00077	TRANSPARENCY, SECCHI DISC (INCHES)	600.0	0.0
00080	COLOR (PLATINUM-COBALT UNITS)	500.0	0.0
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	500.0	0.0
00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	250.0	0.0
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	60000.0	1.0
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	60000.0	1.0

STORET Code	STORET Parameter Description	High Value	Low Value
00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE (MG/L)	30.0	0.0
00300	OXYGEN, DISSOLVED (MG/L)	30.0	0.0
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION%	200.0	0.0
00310	BOD, 5 DAY, 20 DEG C (MG/L)	150.0	0.0
00335	COD, .025N K2CR2O7 (MG/L)	1000.0	0.0
00340	COD, .25N K2CR2O7 (MG/L)	1000.0	0.0
00365	CHLORINE DEMAND, 15 MINUTE (MG/L)	15.0	0.0
00400	PH (STANDARD UNITS)	12.0	0.9
00403	PH, LAB, STANDARD UNITS, (STANDARD UNITS)	12.0	0.9
00405	CARBON DIOXIDE (MG/L AS CO2)	100.0	0.0
00406	PH, FIELD (STANDARD UNITS)	12.0	0.9
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	1000.0	0.0
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	750.0	0.0
00435	ACIDITY, TOTAL (MG/L AS CACO3)	1000.0	0.0
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	1000.0	0.0
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	750.0	0.0
00440	BICARBONATE ION (MG/L AS HCO3)	450.0	0.0
00445	CARBONATE ION (MG/L AS CO3)	100.0	0.0
00480	SALINITY - PARTS PER THOUSAND	40.0	0.0
00500	RESIDUE, TOTAL (MG/L)	15000.0	0.0
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10000.0	0.0
00510	RESIDUE, TOTAL FIXED (MG/L)	10000.0	0.0
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), (MG/L)	20000.0	0.0
00520	RESIDUE, VOLATILE FILTRABLE (MG/L)	10000.0	0.0
00525	RESIDUE, FIXED FILTRABLE (MG/L)	10000.0	0.0
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10000.0	0.0
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10000.0	0.0
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10000.0	0.0
00545	RESIDUE, SETTLEABLE (ML/L)	1000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00546	RESIDUE, SETTLEABLE (MG/L)	1000.0	0.0
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC., (MG/L)	250.0	0.0
00600	NITROGEN, TOTAL (MG/L AS N)	100.0	0.0
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	15.0	0.0
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	25.0	0.0
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	20.0	0.0
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	5.0	0.0
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	50.0	0.0
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	50.0	0.0
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	55.0	0.0
00635	NITROGEN, AMMONIA & ORG., TOTAL 1 DET (MG/L AS N)	70.0	0.0
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	30.0	0.0
00653	PHOSPHATE, TOTAL SOLUBLE (MG/L)	30.0	0.0
00655	PHOSPHATE, POLY (MG/L AS PO4)	30.0	0.0
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	30.0	0.0
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10.0	0.0
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10.0	0.0
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	100.0	0.0
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	100.0	0.0
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	100.0	0.0
00690	CARBON, TOTAL (MG/L AS C)	150.0	0.0
00720	CYANIDE, TOTAL (MG/L AS CN)	10.0	0.0
00745	SULFIDE, TOTAL (MG/L AS S)	1500.0	0.0
00746	SULFIDE, DISSOLVED (MG/L AS S)	1500.0	0.0
00760	SULFITE WASTE LIQUOR, PEARL BENSON INDEX (MG/L)	150.0	0.0
00900	HARDNESS, TOTAL (MG/L AS CACO3)	5000.0	0.0
00910	CALCIUM (MG/L AS CACO3)	3000.0	0.0
00915	CALCIUM, DISSOLVED (MG/L AS CA)	1000.0	0.0
00916	CALCIUM, TOTAL (MG/L AS CA)	1000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00920	MAGNESIUM (MG/L AS CACO3)	3000.0	0.0
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	1000.0	0.0
00927	MAGNESIUM, TOTAL (MG/L AS MG)	1000.0	0.0
00929	SODIUM, TOTAL (MG/L AS NA)	5000.0	0.0
00930	SODIUM, DISSOLVED (MG/L AS NA)	5000.0	0.0
00931	SODIUM ADSORPTION RATIO	50.0	0.0
00935	POTASSIUM, DISSOLVED (MG/L AS K)	175.0	0.0
00937	POTASSIUM, TOTAL MG/L AS K)	175.0	0.0
00940	CHLORIDE, TOTAL IN WATER, (MG/L)	22000.0	0.0
00945	SULFATE, TOTAL (MG/L AS SO4)	2500.0	0.0
00946	SULFATE, DISSOLVED (MG/L AS SO4)	2500.0	0.0
00950	FLUORIDE, DISSOLVED (MG/L AS F)	15.0	0.0
00951	FLUORIDE, TOTAL (MG/L AS F)	15.0	0.0
00955	SILICA, DISSOLVED (MG/L AS SI02)	2000.0	0.0
00956	SILICA, TOTAL (MG/L AS SI02)	2000.0	0.0
01000	ARSENIC, DISSOLVED (UG/L AS AS)	5000.0	0.0
01002	ARSENIC, TOTAL (UG/L AS AS)	5000.0	0.0
01005	BARIUM, DISSOLVED (UG/L AS BA)	2000.0	0.0
01007	BARIUM, TOTAL (UG/L AS BA)	2000.0	0.0
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	2000.0	0.0
01012	BERYLLIUM, TOTAL (UG/L AS BE)	2000.0	0.0
01020	BORON, DISSOLVED (UG/L AS B)	5000.0	0.0
01022	BORON, TOTAL (UG/L AS B)	5000.0	0.0
01025	CADMIUM, DISSOLVED (UG/L AS CD)	500.0	0.0
01027	CADMIUM, TOTAL (UG/L AS CD)	500.0	0.0
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	2000.0	0.0
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	2000.0	0.0
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	2000.0	0.0
01034	CHROMIUM, TOTAL (UG/L AS CR)	2000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
01040	COPPER, DISSOLVED (UG/L AS CU)	2000.0	0.0
01042	COPPER, TOTAL (UG/L AS CU)	5000.0	0.0
01045	IRON, TOTAL (UG/L AS FE)	56000.0	0.0
01046	IRON, DISSOLVED (UG/L AS FE)	56000.0	0.0
01047	IRON, FERROUS (UG/L AS FE)	56000.0	0.0
01049	LEAD, DISSOLVED (UG/L AS PB)	1000.0	0.0
01051	LEAD, TOTAL (UG/L AS PB)	1000.0	0.0
01055	MANGANESE, TOTAL (UG/L AS MN)	5000.0	0.0
01056	MANGANESE, DISSOLVED (UG/L AS MN)	5000.0	0.0
01065	NICKEL, DISSOLVED (UG/L AS NI)	2000.0	0.0
01067	NICKEL, TOTAL (UG/L AS NI)	2000.0	0.0
01075	SILVER, DISSOLVED (UG/L AS AG)	5000.0	0.0
01077	SILVER, TOTAL (UG/L AS AG)	5000.0	0.0
01090	ZINC, DISSOLVED (UG/L AS ZN)	25000.0	0.0
01092	ZINC, TOTAL (UG/L AS ZN)	25000.0	0.0
01105	ALUMINUM, TOTAL (UG/L AS AL)	20000.0	0.0
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	20000.0	0.0
01145	SELENIUM, DISSOLVED (UG/L AS SE)	100.0	0.0
01501	ALPHA, TOTAL	200.0	0.0
01503	ALPHA, DISSOLVED	75.0	0.0
01505	ALPHA, SUSPENDED	150.0	0.0
03501	BETA, TOTAL	3500.0	0.0
03503	BETA, DISSOLVED	3000.0	0.0
03505	BETA, SUSPENDED	1500.0	0.0
09503	RADIUM 226, DISSOLVED	500.0	0.0
13501	STRONTIUM 90, TOTAL	500.0	0.0
22703	URANIUM, NATURAL, DISSOLVED	500.0	0.0
31501	COLIFORM, TOT,MEMBRANE FILTER,IMMED.M-ENDO MED, 35C	24000000.0	0.0
31502	COLIFORM, TOTAL, 10/ML	24000000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
31503	COLIFORM, TOT,MEMBR FILTER, DELAYED,M-ENDO MED, 35C	24000000.0	0.0
31504	COLIFORM, TOT,MEMBR FILTER,IMMED,LES ENDO AGAR, 35C	24000000.0	0.0
31613	FECAL COLIFORM, MEMBR FILTER, M-FC AGAR,44.5C, 24HR	10000000.0	0.0
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	10000000.0	0.0
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH, 44.5C	10000000.0	0.0
31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48HR	500000.0	0.0
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	500000.0	0.0
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	500000.0	0.0
31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR,35C,48H	500000.0	0.0
31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	99999999.0	0.0
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	99999999.0	0.0
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	500.0	0.0
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	750.0	0.0
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	1000.0	0.0
32214	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	200.0	0.0
32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	500.0	0.0
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	200.0	0.0
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	2.0	0.0
32221	CHLOROPHYLL A,% OF(PHEOPHYTIN A+CHL A),SPEC-ACID.	101.0	0.0
32230	CHLOROPHYLL A (MG/L)	0.5	0.0
32231	CHLOROPHYLL B (MG/L)	0.8	0.0
32232	CHLOROPHYLL C (MG/L)	0.2	0.0
32234	CHLOROPHYLL, TOTAL (A+B+C) (MG/L)	1.0	0.0
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	5.0	0.0
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	1500.0	0.0
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10.0	0.0
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39340	GAMMA-BHC(LINDANE),WHOLE WATER, (UG/L)	20.0	0.0
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER, (UG/L)	20.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	5.0	0.0
60050	ALGAE, TOTAL (CELLS/ML)	700000.0	0.0
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	4000.0	0.0
70505	PHOSPHATE, TOTAL,COLORIMETRIC METHOD (MG/L AS P)	10.0	0.0
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10.0	0.0
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	65.0	0.0
71886	PHOSPHORUS, TOTAL, AS PO4 - (MG/L)	30.0	0.0
71890	MERCURY, DISSOLVED (UG/L AS HG)	10.0	0.0
71895	MERCURY, SUSPENDED (UG/L AS HG)	10.0	0.0
71900	MERCURY, TOTAL (UG/L AS HG)	10.0	0.0
74010	IRON, TOTAL (MG/L AS FE)	56000.0	0.0

Appendix D

STORET Administrative Parameters

STORET Code	Description of STORET Administrative Parameters
00022	LENGTH OF EXPOSURE OF SAMPLE OR TEST - DAYS
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00073	SAMPLE LOC CODE DEFINED BY THERMAL STRUCT & DEPTH
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
00116	INTENSIVE SURVEY IDENTIFICATION NUMBER
00145	TOTAL PRODUCTION OF PRODUCT MANUFACTURED TONS/DAY
01273	TOTAL ACID PRIORITY POLLUTANTS MG/L
01274	TOTAL BASE-NEUTRAL PRIORITY POLLUTANTS MG/L
01275	TOTAL VOLATILE PRIORITY POLLUTANTS MG/L
01365	ANALYSIS DATE (DIOXIN) (YYMMDD)
04177	SAMPLE STABILIZATION, RECOVERY TEST CODE
04178	FIELD PROTOCOL(CONFDNCE ASSIGNED FIELD SAMPLE) CODE
04179	SAMPLE STATION LOCKED CODE
04180	CONDITION OF STATION SITE CODE
04181	LABORATORY QA/QC PLAN CONFIDENCE CODE
04182	SAMPLE TYPE CODE
04183	SAMPLE REMARKS CODE
30333	BAG MESH SIZE, BEDLOAD SAMPLER, MM
34772	NPDES NUMBER, CROSS REFERENCE CODE
34785	GAGE TYPE, METHOD CODE

STORET Code	Description of STORET Administrative Parameters
45575	GC MAKE AND MODEL INFORMATION CODE
45576	GC DETECTOR TYPE CODE
45577	GC COLUMN TYPE CODE
45580	METHOD OF ANALYSIS CODE
45581	LABORATORY LOCATION CODE
46107	SAMPLE LOCATION CODE (TREATMENT PLANT OPERATION)
46390	TOXICITY CHARACTERISTIC LEACHING PROCEDURE P OR F
46396	PROCESS TO SIGNIFICANTLY REDUCE PATHOGENS YES OR NO
46397	PROCESS TO FURTHER REDUCE PATHOGENS YES OR NO
47001	PERMIT EXPIRATION DATE (JULIAN CALENDAR)
47044	OBSERVATIONS,WASTE SITE-SEVERITY OF PROBLEMS CODE
47460	SUBSAMPLE - DECIMAL FRACTION OF WHOLE NUMBER
47477	COMPOSITION AND/OR DISPOSITION OF CATCH NUM CODE
70231	CURRENT DIRECTION (DEGREES FROM DOWNSTREAM FLOW)
71999	SAMPLE PURPOSE CODE
72032	NUMBER OF SPILLWAY GATES OPEN
73672	DATE OF ANALYSIS YYMMDD
73673	DATE OF EXTRACTION YYMMDD
74031	GRANT, PROJECT COST ELIGIBLE FOR CONSTRUCTION
74032	GRANT, AMOUNT OF PL 660 GRANT FOR THIS PROJECT
74033	GRANT, FEDERAL, OTHER THAN PL 660 GRANT
74034	GRANT, FUTURE PL 660 WHICH MAY APPLY TO THIS PROJ
74035	GRANT, TOTAL FEDERAL, WHICH APPLIES TO THIS PROJ
74036	GRANT, PROJ NUMBER ASSIGNED TO THIS APPLICATION
74037	GRANT, TYPE OF PROJECT TO WHICH GRANT APPLIES
74038	GRANT, STATUS OF PROJECT TO WHICH GRANT APPLIES
74039	PCS/STORET WATER QUALITY FILE INTERFACE YR/MO/DAY
74040	SURVEY NUMBER YYMMNO
74041	STORET STORAGE TRANSACTION DATE YR/MO/DAY

STORET Code	Description of STORET Administrative Parameters
74050	RADIOACTIVITY, GENERAL (PERMIT)
74051	ALGICIDES, GENERAL (PERMIT)
74052	CHLORINATED HYDROCARBONS, GENERAL (PERMIT)
74053	PESTICIDES, GENERAL (PERMIT)
74056	COLIFORM, TOTAL, GENERAL (PERMIT)
74065	STREAM FLOW CLASS
74066	ANNUAL RUNOFF
74067	SOIL CLASSIFICATION
74068	WATER QUALITY DESIGNATED USE CLASSIFICATION (IA)
74100	PRIMARY 1972 SIC CODE
74101	SECONDARY 1972 SIC CODE
74102	SECONDARY 1972 SIC CODE
74103	SECONDARY 1972 SIC CODE
74200	SAMPLE PRESERVATION METHODS ONE OR MORE IN COMB.
74205	LAND RESOURCE AREA (IOWA)
74206	SOIL EROSION POTENTIAL (IOWA)
74209	WATER QUALITY INDEX - STATE OF ILLINOIS, EPA
74210	FOREST STREAM WATER QUALITY INDEX CALC. NUMBER
74990	FISH SPECIES NUMERIC CODE - F&W SERVICE
74995	ANATOMY CODE
75000	SPECIES CODE-REMARK=SEX (M=MALE,F=FEMALE,U=UNK.)
81028	WITHDRAWAL OF GROUNDWATER (MILLION GAL/DAY)
82258	WATER CLASSIFICATION CODE (1-9) CODE
82292	DATA RELAY GROUND STATION SOURCE NODE CODE, CODE
82309	CONTAMINATION SOURCE POSSIBLE CODES NUMERIC CODE
82310	DEPTH CONFIDENCE IN REPORTED VALUES NUMERIC CODES
82373	FREQUENCY OF SAMPLING M=MON,Q=QUAR,Y=YR,R=RNFFCODE
82519	DRILLER REGISTRATION NUMBER ALPHA-NUMERIC CODE
82562	NARRATIVE REQUIREMENT EXCEEDANCES INTEGER

STORET Code	Description of STORET Administrative Parameters
82576	DAILY EXCURSION TIME, WATER MIN
82577	MONTHLY EXCURSION TIME, WATER TOTAL MIN
82578	DAY/MAXIMUM EXCURSION TIME, WATER MIN
82579	CODE NUMBER FOR PERSON COLLECTING SAMPLE
84002	CODE, GENERAL INFORMATION - ALPHA, NUMERIC CODE
84003	WATER SHED ID NUMBER (IOWA)
84005	FISH SPECIES CODE-FISH & WILDLIFE SER
84006	OWNERSHIP CLASSIFICATION OF LAKE, ILLINOIS SYSTEM
84010	PUBLIC ACCESS TO LAKE ILLINOIS SYSTEM
84011	CONFIDENCE CODE FOR GLC CONFIRMATION CODE
84012	PATIENT PARAMETERS (AGE, SEX, WT, ETC.) CODE
84013	SAMPLE PARAMETERS D=DESIGN SPECIMEN, S=SURPLUS
84027	CODE NUMBER FOR AGENCY COLLECTING SAMPLE
84028	CODE NO FOR AGENCY ANALYZING SAMPLE
84029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE FIELD
84033	EGD ANALYTICAL DATA COMPLETENESS Y=YES N=NO CODE
84034	EGD SMPL NO.(SMPL.IDENT) NUMERIC=SCS ALPH+4NUM=JRB
84035	EGD SAMPLE CLASSIFICATION CATEGORY ALPHA CODE
84036	EGD INDUSTRIAL CATEGORY NUMERIC CODE
84037	EGD INDUSTRIAL CATEGORY NAME ALPHA CODE
84038	EGD LABORATORY NUMERIC CODE
84039	EGD LABORATORY NAME ALPHA CODE
84040	EGD SAMPLE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84041	EGD ACID STATUS (1-5,9,AND BLANK) NUMERIC CODE
84042	EGD BASE STATUS (1-5,9AND BLANK) NUMERIC CODE
84043	EGD PESTICIDE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84044	EGD VOA FRACT. STATUS INDICATOR (1-5,9,BLANK) CODE
84045	EGD ACID EXTRACT DATE (YYMMDD) NUMERIC CODE
84046	EGD BASE EXTRACTION DATE (YYMMDD) NUMERIC CODE

STORET Code	Description of STORET Administrative Parameters
84047	EGD PESTICIDE EXTRACTION DATE (YYMMDD) NUMERIC CODE
84048	EGD VOA FRACTION INJECTION DATE YYMMDD NUMERIC CODE
84049	EGD ACID CONC. FACTOR (FIVE NUMERIC DIGITS) CODE
84050	EGD BASE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84051	EGD PESTICIDE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84052	EGD VOA FRACTION CONC. FACTOR (5 NUMERIC DIGITS) CODE
84053	SAMPLE TYPE AND FREQUENCY OF COLLECTION CODE
84054	LITHOLOGY ALPHA-NUMERIC CODE
84055	AVAILABLE LOGS ALPHA-NUMERIC CODE
84056	WATER USE CATEGORY ALPHA-NUMERIC CODE
84057	INSPECTION TYPE ALPHA-NUMERIC CODE
84058	HYDROGEOLOGIC SYSTEM ALPHA-NUMERIC CODE
84059	WELL OWNERSHIP ALPHA-NUMERIC CODE
84060	TOPOGRAPHY ALPHA-NUMERIC CODE
84061	WELL USE ALPHA-NUMERIC CODE
84062	MEASURING POINT DESCRIPTION ALPHA-NUMERIC CODE
84063	DRILLING METHOD ALPHA-NUMERIC CODE
84064	WELL DATA AVAILABILITY ALPHA-NUMERIC CODE
84065	PERMIT COMPLIANCE DATA ALPHA-NUMERIC CODE
84067	NATURE OF MONITORING ALPHA-NUMERIC CODE
84073	REPLACES EXISTING WELL ALPHA-NUMERIC CODE
84074	AQUIFER TYPE (SEE USGS HANDBOOK) ALPHA CODE
84075	WELL PERMIT NUMBER ALPHA-NUMERIC CODE
84076	TSD MONITORING WELL TYPE ALPHA CODE
84077	TSD MONITORING WELL SAMPLING METHOD ALPHA CODE
84083	POLLUTION VERIFICATION ALPHA CODE
84084	WELL SAMPLE PURPOSE ALPHA CODE
84090	SAMPLE FILE CONTROL PROJECT IDENTIFICATION A-CODE
84091	INFILTRATION DATE/BEGINNING 'YYMMDD'

STORET Code	Description of STORET Administrative Parameters
84092	INFILTRATION DATE/ENDING 'YYMMDD'
84093	ENFORCEMENT FORM #2-C,DATA IDENTIFICATION CODE
84102	SAMPLE SPECIES-SUB ID ALPHA CODE
84103	DIOXIN LABORATORY ALPHA CODE
84104	DIOXIN STUDY ALPHA CODE
84112	SOURCE OF GEOHYDROLOGIC DATA CODE
84119	SOURCE OF EVACUATION DATA CODE
84121	REGULATING AGENCY CODE
84122	SAMPLE PURPOSE CODE
84126	SOURCE OF DEPTH DATA CODE
84127	METHOD OF DEPTH MEASUREMENT CODE
84128	SOURCE OF WATER-LEVEL DATA CODE
84129	DATA QUALITY
84141	LAKE, PHYSICAL CONDITION AT SAMPLE TIME, 1-5, CODE
84142	LAKE,RECREATIONAL SUITABILITY @ SMPL TIME,1-5, CODE
84164	SAMPLER TYPE, CODE
85300	PROBLEM CODE NES SURVEY
85327	WATER LEVEL AT SAMPLE COLLECTION TIME-CODE-NES
85332	CLOUD COVER AT SAMPLE COLLECTION TIME-CODE-NES
85553	WELL COMPLETION DATE (MONTH/YEAR)
85554	WELL WORKOVER DATE, LATEST (MONTH/YEAR)

Appendix E

STORET Parameters Not Suitable for Statistical Analysis

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00001	X-SEC. LOC., HORIZ (FT. FROM R BANK LOOK UPSTR.)
00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)
00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)
00006	DISTANCE FROM LOCATION IN X MILES
00007	DISTANCE FROM LOCATION IN Y MILES
00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00009	X-SEC. LOC.(FT FROM LEFT BANK LOOKING DOWNSTRM)
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00033	WEATHER CODE FOR OCEAN-OBSERV. (WMO CODE 4677)
00037	WIND FORCE (BEAUFORT UNITS)
00038	WIND DIRECTION (WMO CODES 0885 + 0887)
00041	WEATHER (WMO CODE 4501)
00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL
00043	CLOUD TYPE (WMO CODE 0500)
00044	CLOUD AMOUNT (WMO CODE 2700)
00047	TOTAL PARTIAL PRESSURE DISSOLVED GASES (MM HG)
00048	TOTAL PARTIAL PRESSURE DISSOLVED GASES (% SAT)
00049	SURFACE AREA IN SQUARE MILES
00050	EVAPORATION, TOTAL (INCHES PER DAY)
00051	SURFACE AREA IN SQUARE FEET
00053	SURFACE AREA, ACRES
00054	RESERVOIR STORAGE - ACRE FEET
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00067	TIDE STAGE
00069	SEA WAVES(0=NONE;1=0-3";2=4-20";3=21-48";4=4-8')
00097	SAMPLING STATION LOCATION, VERTICAL (FEET)
00098	SAMPLING STATION LOCATION, VERTICAL (METERS)
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
01300	OIL-GREASE (SEVERITY)
01305	DETERGENT SUDS (SEVERITY)
01310	GAS BUBBLES (SEVERITY)
01315	SLUDGE, FLOATING (SEVERITY)
01320	GARBAGE, FLOATING (SEVERITY)
01325	ALGAE, FLOATING MATS (SEVERITY)
01330	ODOR, ATMOSPHERIC (SEVERITY)
01331	TASTE (SEVERITY)
01335	SEWAGE SOLIDS, FRESH, FLOATING (SEVERITY)
01340	FISH, DEAD (SEVERITY)
01345	DEBRIS, FLOATING (SEVERITY)
01350	TURBIDITY (SEVERITY)
01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE
01355	ICE COVER, FLOATING OR SOLID (SEVERITY)
03595	BIOASSAY (96 HR), EFFLUENT, TOTAL CODE
03596	BIOASSAY (48 HR), EFFLUENT, TOTAL CODE
03597	BIOASSAY (24 HR), EFFLUENT, TOTAL CODE
03598	TOXICITY, EFFLUENT, TOTAL CODE
03599	TOXICITY, CHOICE OF SPECIES, EFFLUENT CODE
03600	TOXICITY, TROUT, EFFLUENT, TOTAL CODE
03601	TOXICITY, SAND DOLLAR, EFFLUENT CODE
03602	BIOCHEMICAL OXYGEN DEMAND, EFFLUENT, TOTAL CODE
03603	SOLIDS, TOTAL SUSPENDABLE, EFFLUENT, TOTAL CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
03605	FLOW METER CALIBRATION, WATER CODE
03717	ONCORHYNCHUS MYKISS, WATER CODE
04117	TETHER LINE USED FOR COLLECTING SAMPLE CODE
04160	HALOCARBONS, PURGEABLE, SCAN, EFFLUENT CODE
04161	HALOCARBONS, PURGEABLE, SCAN, SLUDGE CODE
04162	AROMATIC, PURGEABLE, SCAN, EFFLUENT CODE
04163	AROMATIC, PURGEABLE, SCAN, SLUDGE CODE
04164	PHENOLIC, TOTAL, SCAN, EFFLUENT CODE
04165	PHENOLIC, TOTAL, SCAN, SLUDGE CODE
04166	PCB, TOTAL, SCAN, EFFLUENT CODE
04167	PCB, TOTAL, SCAN, SLUDGE CODE
04174	FREE LIQUIDS IN SEWAGE SLUDGE CODE
34765	AVIAN NUMERICAL SPECIES CODE (BIRDS)
34766	MAMMALIAN NUMERICAL SPECIES CODE
34771	MACROPHYTE, INSTREAM, VISUAL SIGHTING CODE
34773	ODOR, AMBIENT WATER CODE
34774	FISH, INSTREAM, VISUAL SIGHTING CODE
34775	STREAMBANK CHANNEL ALTERATIONS CODE
34776	HYDRAULIC STRUCTURES, INSTREAM CODE
34780	LAND USE, ADJACENT STREAM CODE
34781	SAMPLE POINTS, # OF LONGTDNL TRANSECTS, REACH CODE
34782	STREAM STAGE TREND CODE
34789	HABITATS, TYPES SAMPLED CODE
45613	FLOATING SOLIDS/VISIBLE FOAM, VISUAL, YES=1, NO=0, CODE
45614	SANITARY WASTE DISCHARGE ASSESSMENT, YES=1, NO=0, CODE
45615	INTERMITTENT DISCHARGE ASSESSMENT, YES=1, NO=0,CODE
46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)
46478	EQUIPMENT INSPECTION, VISUAL CODE
46486	TOXICITY,ACUTE 24HR(STATIC)CERIODAPHNIA (P/F) CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
47454	FLOW METER REVOLUTIONS NUMBER
47455	LATITUDE, STARTING, OF A SAMPLE TOW DDMMSS
47456	LONGITUDE, STARTING, OF A SAMPLE TOW DDDMMSS
47457	LATITUDE, FINISHING, OF A SAMPLE TOW DDMMSS
47458	LONGITUDE, FINISHING, OF A SAMPLE TOW DDDMMSS
47459	LENGTH FREQUENCY NUMBER
47461	TIME THAT THE EQUIPMENT WAS SAMPLING MINUTES
47476	DIRECTION OF TOW IN RELATION TO CURRENT NUM CODE
50044	HYDROGRAPH LIMB, 1BASE, 2RISING, 3PEAK, 4FALLING, CODE
61390	DIATOMS,FIRST DOMINANT SPECIES OF UNITS - CODE
61391	DIATOMS,SECOND DOMINANT SPECIES OF UNITS - CODE
61392	DIATOMS,THIRD DOMINANT SPECIES OF UNITS - CODE
61393	DIATOMS,FOURTH DOMINANT SPECIES OF UNITS - CODE
70220	WAVE DIRECTION (WMO CODES 0885 + 0887)
70222	WAVE HEIGHT (WMO CODE 1555)
70223	WAVE PERIOD (WMO CODE 3155)
71090	BIVALVE SPECIES CODE
71500	EQUITABILITY INDEX,BENTHIC MACROINVER CODE
72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)
72001	DEPTH, TOTAL OF HOLE (FT BELOW LAND SURFACE DATUM)
72002	DEPTH TO TOP OF WATER-BEARING ZONE SAMPLED (FT)
72003	DEPTH TO BOTTOM OF WATER-BEARING ZONE SAMPLED (FT)
72004	PUMP OR FLOW PERIOD PRIOR TO SAMPLING MINUTES
72005	SAMPLE SOURCE CODE (BM WELL DATA)
72006	SAMPLING CONDITION CODE (BM WELL DATA)
72007	FORMATION NAME CODE (BM WELL DATA)
72017	SERIES CODE (BM WELL DATA)
72018	SYSTEM CODE (BM WELL DATA)
72111	DIRECT READOUT GROUND STATN TRANSMIT EROR CODE NUM

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
74054	FECAL STREPTOCOCCI, GENERAL (PERMIT)
74055	FECAL COLIFORM, GENERAL (PERMIT)
80889	ACTIVATED SLUDGE PROCESS MODIFICATION CODE
81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)
81637	SHELLFISH SPECIES NUMERIC CODE
82289	LAGOON OBSERVATION, VISUAL, Y=YES N=NO CODE
82398	SAMPLING METHOD (CODES)
82524	STORAGE COEFFICIENT NUMERICAL CODE
82923	ATMOSPHERIC DEPOSITION TYPE, WET CODE
83205	ATMOSPHERIC DEPOSITION TYPE, BULK CODE
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)
84001	AQUIFER NAME CODE (SEE USGS CATALOG)
84004	LAKE TYPE ILLINOIS CLASSIFICATION SYSTEM
84007	ANATOMY ALPHA CODE
84008	LIFE STYLE/HABITAT OF THE INDIVIDUALS IN THE SAMPLE
84009	SHELLFISH SPECIES ALPHANUMERIC CODE
84014	SPECIES SEX CODE
84030	CLOUD AMOUNT ALPHA WEATHER CODES
84031	PHYSICAL WEATHER ALPHA WEATHER CODES
84032	STREAM CONDITION ALPHA WEATHER CODES
84066	OIL AND GREASE, VISUAL, ALPHA-NUMERIC CODE
84068	SERIES CODE ALPHA-NUMERIC CODE
84069	FORMATION CODE ALPHA-NUMERIC CODE
84070	METHOD OF TESTING WELL YIELD ALPHA-NUMERIC CODE
84071	WATER LEVEL MEASUREMENT CONDITIONS ALPHA-NUM CODE
84072	WATER LEVEL MEASUREMENT METHOD ALPHA-NUMERIC CODE
84078	GIARDIA LAMBLIA, 2HSO4 OR SUC GRAD, MICRO, CODE
84079	BACTERIA, CELLUOLYTIC, AEROBIC-ANAEROBIC, RT 5-7, CODE
84080	BACTERIA, HYDROCARBONOCLASTIC, SHAKE INC 32C/WK, CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84081	YERSINIA ENTEROCOLITICA, SB BROTH, MAC AGAR,22C, CODE
84082	SALMONELLA/SHIGELLA, QUANT OR QUAL, HVF OR SWAB, CODE
84085	ORGANICS, VOLATILE, DETECTED, NUMERIC CODE, CODE
84086	MACROINVERTEBRATE SPECIES NUMERIC CODE
84087	MACROINVERTEBRATE HABITAT CODE
84088	BIOLOGY 1 MACROINVERTEBRATE CODE
84089	BIOLOGY 2 MACROINVERTEBRATE CODE
84094	PHYTOPLANKTON SPECIES CODE, NUMERIC
84095	PHYTOPLANKTON SPECIES CODE, ALPHA
84096	SEVERITY OF NON-PLANKTON ALGAE-MAT COVERAGE CODE
84097	LAGOON MOUTH CONDITION CODE
84098	COLOR OF NON-PLANKTONIC ALGAE CODE
84099	WATER - RELATIVE WATER LEVEL CODE
84100	SEX(1-MALE,2-FEMALE,3-MIXED,4-UNKNOWN) NUM CODE
84101	METAFORM, BENTHIC, ADULT(A), PUPAE(P), LARVAE(L) CODE
84105	OIL-SEPARATOR OBSERVATION ASSESS (0=DID NOT,1=DID)
84106	EVAPORAT/BED OBS ASSESS (0=DID NOT LOOK, 1=DID LOOK)
84107	AREA INSPECTION, VISUAL (0=DID NOT, 1=DID) CODE
84108	DRAIN FIELD INSPECTION ASSESS (0=DID NOT, 1=DID) CODE
84109	SLUDGE BUILD-UP IN WATER (0=DID NOT OBS, 1=OBS) CODE
84110	POND OBSERVATION ASSESS WATER (0=DID NOT, 1=DID) CODE
84111	LITHOLOGIC MODIFIER CODE
84113	WELL INTAKE FINISH CODE
84114	WELL CASING MATERIAL CODE
84115	TYPE OF MATERIAL FROM WHICH OPENING IS MADE CODE
84116	DRILLING FLUID CODE
84117	TYPE OF SURFACE SEAL CODE
84118	METHOD OF DEVELOPMENT CODE
84120	PACKING MATERIAL CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84124	METHOD OF EVACUTAION CODE
84125	METHOD OF WATER-LEVEL MEASUREMENT CODE
84130	OUTFALL OBSERVATION, VISUAL, Y=YES N=NO CODE
84131	SAMPLING METHOD, CONFIDENCE CODE (A,B,C,D) CODE
84132	STREAMBANK, VEGETATIVE STABILITY RATING CODE
84133	STREAMBANK, STABILITY (BANK EROSION) RATING CODE
84134	PARTICLES, DEGREE SURROUNDED BY FINE SEDIMENT, CODE
84135	STREAMSIDE, (SHORELINE) COVER RATING CODE
84136	CANOPY TYPE CODE
84137	CHANNEL STABILITY RATING CODE (E,G,F,P) CODE
84138	COLIFORM, TOTAL, WATER, WHOLE, MPN, PRES=1, ABSNT=2, CODE
84139	ENTEROBACTER AGGLOMERANS, WTR, MF, PRES=1, ABSNT=2, CODE
84140	KLEBSIELLA PNEUMONIAE, WTR, WH, MF, PRES=1, ABSNT=2, CODE
84143	WELL, PURGING CONDITION CODE
84144	WELL, SELECTION CRITERIA CODE
84145	PROJECT COMPONENT CODE
84146	LAND USE, PREDOMINANT, WITHIN 100 FT OF WELL, CODE
84147	LAND USE, PREDOMINANT, 1/4 MI.RADIUS OF WELL, CODE
84148	LAND USE, PREDMNT., FRAC., WITHIN 1/4 MI OF WELL, CODE
84149	LAND USE, CHANGE, LAST 10 YRS, WITHIN 1/4MI WELL, CODE
84150	HABITAT QUALITY INDEX RATING CODE
84151	AQUATIC LIFE, USE CLASSES CODE
84152	STREAM, STAGE CLASS CODE
84153	STREAMBANKS, GRAZING DAMAGE CODE
84154	CHANNEL, MAJOR ALTERATIONS CODE
84155	RIFFLE/RUNS, OCCURRENCE CODE
84156	POOL, DESCRIPTION CODE
84157	SANDBARS, LARGE, OCCURRENCE CODE
84158	LAND USE, NEAR STREAM, PREDOMINANT CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84159	STREAM,COVER (INSTREAM SHELTER FOR ADULT FISH), CODE
84160	STREAM, DEGRADATION RATING CODE
84161	STREAM, ORDER CODE
84162	LAND RESOURCE AREA CODE
84163	FLOW, STREAM, CLASSIFICATION CODE
84165	DISCHARGE EVENT OBSERVATION, YES=1 NO=0, CODE
84166	STORM HYDROGRAPH, DIRECTION, (RISE,FALL), CODE
84167	MICROSCOPIC EXAMINATION CODE
84168	AVIAN SPECIES ALPHA CODE (BIRDS)
84169	MAMMALIAN ALPHA SPECIES CODE
84170	ALPHA AGE TEXT CODE
84200	LATITUDE/LONGITUDE COORDINATES OF WELL, METHOD CODE
84201	NATIONAL REFERENCE DATUM, ALTITUDE(VERTICAL) CODE
84202	ALTITUDE METHOD CODE
85000	STREAM MILE, ACTUAL MILES
85014	HABITAT, 1970 ACRES THIS TYPE FOR THIS STATION
85015	HAB., ESTIMATED ACRES THIS TYPE THIS STATION
85016	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 1990
85017	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 2000
85018	TYPE CODES: 1=CLEAR CUT/2=SELECT CUT/3=RNGE DEVLP
85019	ACRES, NO. ALTERED FROM 1965-1970 (0-5 YEARS OLD)
85020	ACRES, NO. ALTERED 1960-1965 (5-10 YEARS OLD)
85021	ACRES, NO. ALTERED 1955-1960 (10-15 YEARS OLD)
85022	ACRES, NO. ALTERED 1950-1955 (15-20 YEARS OLD)
85023	ACRES, NO. ALTERED BEFORE 1950 (20+ YEARS OLD)
85024	ACRES,PREDICTED YRLY.AVE.TO BE ALTERED IN FUTURE
85025	LANDOWNERS, CODES FOR ALL IN STATE OF OREGON
85026	ACRES, CURRENT OWNED THIS LANDOWNER THIS STATION
85027	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1980

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85028	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1990
85029	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 2000
85030	LAND USES, CODES FOR ALL IN STATE OF OREGON
85031	ACRES, CURRENT DEDICATED TO THIS USE THIS STATION
85032	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1980
85033	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1990
85034	ACRES, ESTM. DEDICTD TO THIS USE BY YR.2000 --STA.
85035	HAB., INDICATED ANIMAL USES THIS TYPE IN WINTER
85036	HAB., INDICATED ANIMAL USES THIS TYPE IN SPRING
85037	HAB., INDICATED ANIMAL USES THIS TYPE IN SUMMER
85038	HAB., INDICATED ANIMAL USES THIS TYPE IN FALL
85039	HAB., INDICATED ANML USES THIS TYPE FOR WINTERING
85040	HAB., INDICATED ANML USES THIS TYPE FOR FEEDING
85041	HAB., INDICATED ANML USES TYPE FOR REARING YOUNG
85042	HAB., INDICATED BIRD USES THIS TYPE FOR NESTING
85043	HAB., INDICATED ANML USES THIS TYPE FOR SHELTER
85044	HAB., INDICATED ANML USES THIS TYPE FOR REST AREA
85045	ANML, SHOWS PRESENCE/ABSNC OF COMMENTS ON THIS ANML
85046	HAB.,ACRES OCCUPIED BY THIS ANML THIS UNIT & CO.
85050	ANIMALS ARE NOT PRESENT THIS STATION
85051	ANIMALS, ONLY A FEW ARE PRESENT THIS STATION
85052	ANIMALS COMMONLY SEEN; USE MODERATE THIS STATION
85053	ANIMALS FREQUENTLY SEEN; USE HEAVY THIS STATION
85070	OWNERSHIP (.1) AND ACCESS (.2) BY YEAR
85071	PRIVATE OWNERSHIP AND ACCESS MILEAGE
85072	FEDERAL OWNERSHIP AND ACCESS MILEAGE
85073	STATE OWNERSHIP AND ACCESS MILEAGE
85074	COUNTY OWNERSHIP AND ACCESS MILEAGE
85075	CITY OWNERSHIP AND ACCESS MILEAGE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85076	WATER YEAR DATA REFERS TO
85077	CALENDAR YEAR DATA REFERS TO
85088	MONTHS POLLUTION IS A PROBLEM JAN THRU JUNE
85089	MONTHS POLLUTION IS A PROBLEM JULY TO DECEMBER
85090	MAN-CAUSED CHANNEL CHANGE IN MILES
85091	STREAM BANK HABITAT DESTROYED IN MILES
85092	STREAMBED SILTED IN MILES
85093	TURBIDITY PROBLEM IN MILES
85094	SEVERITY: 1=ELIMINATES 2=INTERFERES 3=NO PROBLEM
85095	DURATION OF TURBIDITY PROBLEM IN MONTHS
85096	SEASON OF NATURAL DRY CHANNEL 1=SP 2=SU 3=F 4=W
85097	NATURAL DRY CHANNEL IN MILES
85098	MAN-CAUSED DRY CHANNEL SEASON 1=SP 2=SU 3=F 4=W
85099	MAN-CAUSED DRY CHANNEL IN MILES
85100	YEAR BARRIER IS PRESENT
85101	NUMBER OF NATURAL BARRIERS
85102	MILES BLOCKED BY NATURAL BARRIERS
85103	NUMBER OF NATURAL BARRIERS TO BE REMOVED
85104	NUMBER OF DAMS AND MAN CAUSED OBSTRUCTIONS
85105	MILES BLOCKED BY DAMS OR MAN CAUSED OBSTRUCTIONS
85106	NUMBER OF DAMS TO BE ALTERED
85107	MILES OF STREAM OCCUPIED BY IMPOUNDMENT
85108	LOWER END OF SECTION COVERED BY THIS FORM
85109	UPPER END OF SECTION COVERED BY THIS FORM
85110	LOWER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85111	UPPER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85112	STREAM SURVEY:1=COMPLETE 2=INCOMPLETE 3=NONE
85113	ABUNDANCE: 1=FSHWY/TAG&R 2=SURVEY 3=EST PLUS 4=EST
85114	ABUNDANCE: N=S&ST 1=ABUNDANT 4=SCARCE RGH FSH 3=SCARCE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85116	SQUARE YARDS OF SPAWNING AREA IN 1970
85117	SQUARE YARDS OF SPAWNING AREA IN 1980
85118	SQUARE YARDS OF SPAWNING AREA IN 1990
85119	SQUARE YARDS OF SPAWNING AREA IN 2000
85120	MILES OF REARING AREA IN 1970
85121	MILES OF REARING AREA IN 1980
85122	MILES OF REARING AREA IN 1990
85123	MILES OF REARING AREA IN 2000
85124	CATCH BY SPORT ANGLING IN 1970
85125	RECREATION DAYS SPENT ANGLING IN 1970
85126	RECREATION DAYS SPENT ANGLING IN 1980
85127	RECREATION DAYS SPENT ANGLING IN 1990
85128	RECREATION DAYS SPENT ANGLING IN 2000
85129	CONTRIBUTION TO COMMERCIAL CATCH IN 1970
85130	PERCENT OF TOTAL FISHING DONE FROM BOAT IN 1970
85131	PERCENT OF TOTAL FISHING DONE FROM BANK IN 1970
85132	PERCENT OF TOTAL FISHING DONE WITH LURE IN 1970
85133	PERCENT OF TOTAL FISHING DONE WITH BAIT IN 1970
85134	PERCENT OF TOTAL FISHING DONE WITH A FLY IN 1970
85146	YEAR THIS FACTOR HAS A LIMITING EFFECT
85157	MAN DAYS OF WATER SKIING
85158	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85159	MAN DAYS OF BOATING OTHER THAN ANGLING
85160	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85161	MAN DAYS OF SWIMMING
85162	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85163	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NOT PRESENT
85165	NUMBER OF MONTHS SUSPENDED SOLIDS ARE A PROBLEM
85167	NUMBER OF MONTHS PLANKTON IS A PROBLEM

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85168	1=ELIMINATE PROD 2=REDUCE 3=NO INTER. 4=NOT PRES
85169	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85170	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85171	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85172	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85173	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85174	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85175	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85176	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85177	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85178	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85179	YEAR THIS NUMBER OF FACILITIES PRESENT
85180	NUMBER OF BOAT RAMPS
85181	NUMBER OF MOORAGES
85182	NUMBER OF PICNIC AREAS
85183	NUMBER OF CAMP AREAS
85184	NUMBER OF RESORTS
85185	YEAR THIS ZONED AREA PRESENT
85186	ACRES SET ASIDE FOR OTHER BOATING
85187	ACRES SET ASIDE FOR WATER SKIING
85188	MILES OF SHORE LOST TO ACCESS BY HOME SITES
85189	TOTAL MILES OF SHORELINE
85193	WILL RECR BE INC BY RELEASE OF FINGERL 0=NO 1=YES
85195	CATCH AND RECREATION ESTIMATE 1=BEST 4=POOREST
85333	PRECIPITATION-SAMPLE COLLECTION TIME-CODE- NES
85538	GAMMA SCAN DATE (YR,MO,DAY)
85539	DATE OF REPORT (YR,MO,DAY)
85658	TIME NIGHT CO2 HR
85661	TIME, INTERVAL DAY CO2 HR

Appendix F

National EPA Water Quality Criteria Summary[1]

The following table presents the national water quality criteria that were used to assess water quality data on a station-by-station basis and within the entire study area. Criteria are, for the most part, maximum values (except for dissolved oxygen, pH, and as noted). Criteria exist in any of four categories: Fresh Acute, Drinking Water, Marine Acute, and Other. Acute criteria are the highest 1-hour average concentrations which should not result in unacceptable impacts to aquatic organisms in either fresh or marine waters, respectively. The Drinking Water criteria are intended for human consumption; while the Other criteria represents National Park Service or other concerns. Parameters are listed in ascending order by STORET code. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to obtain the criteria for all parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	00070				50[1]	TURBIDITY, JACKSON CANDLE UNITS	JTU	Physical
	00076				50[1]	TURBIDITY, HACH TURBIDIMETER, FORMAZIN TUR. UNITS	FTU	Physical
14808798	00154		250[e]			SULFATE (AS S) WHOLE WATER	MG/L	General Inorganic
7782447	00299				4.0[u]	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	MG/L	Dissolved Oxygen
7782447	00300				4.0[u]	OXYGEN, DISSOLVED	MG/L	Dissolved Oxygen
	00400				≤6.5, ≥9.0[#]	PH	SU	Physical
	00403				≤6.5, ≥9.0[#]	PH, LAB	SU	Physical
	00406				≤6.5, ≥9.0[#]	PH, FIELD	SU	Physical
471341	00409				<200[e]	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS	UEQ/L	General Inorganic

[1]Sources: (1) U.S. Environmental Protection Agency, Quality Criteria for Water 1995, Final Draft; (2) U.S. Environmental Protection Agency, 40 CFR 141 - National Primary Drinking Water Regulations, and 40 CFR 143 - National Secondary Drinking Water Regulations, July 1, 1994; and (3) Others as Noted in Footnotes.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
17778880	00613		1			NITRITE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00615		1			NITRITE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00618		10			NITRATE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00620		10			NITRATE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00628		10			NITRITE + NITRATE, SUSPENDED AS N	MG/L	Nitrogen
17778880	00630		10			NITRITE PLUS NITRATE, TOTAL 1 DET.	MG/L	Nitrogen
17778880	00631		10			NITRITE PLUS NITRATE, DISSOLVED 1 DET.	MG/L	Nitrogen
57125	00718	22	200	1.0		CYANIDE, WEAK ACID, DISSOCIABLE, WATER, WHOLE	UG/L	General Inorganic
57125	00719	22	200	1.0		CYANIDE, FREE,IN WATER&WASTEWATERS, HBG METHOD	UG/L	General Inorganic
57125	00720	0.022	0.2	0.001		CYANIDE, TOTAL	MG/L	General Inorganic
57125	00722	0.022	0.2	0.001		CYANIDE, FREE (AMENABLE TO CHLORINATION)	MG/L	General Inorganic
57125	00723	22	200	1.0		CYANIDE, DISSOLVED STD METHOD	UG/L	General Inorganic
57125	00724	22	200	1.0		CYANIDE COMPLEXED TO A RANGE OF COMPNDS, WATER	UG/L	General Inorganic
16887006	00940	860	250[a]			CHLORIDE,TOTAL IN WATER	MG/L	General Inorganic
16887006	00941	860	250[a]			CHLORIDE, DISSOLVED IN WATER	MG/L	General Inorganic
14808798	00945		250[a]			SULFATE, TOTAL (AS SO4)	MG/L	General Inorganic
14808798	00946		250[a]			SULFATE, DISSOLVED (AS SO4)	MG/L	General Inorganic
1332214	00948		7000000			ASBESTOS, WHOLE SAMPLE	CNT/L	General Inorganic
16984488	00950		4.0			FLUORIDE, DISSOLVED AS F	MG/L	General Inorganic
16984488	00951		4.0			FLUORIDE, TOTAL AS F	MG/L	General Inorganic
7782414	00953		4000			FLUORINE, TOTAL	UG/L	General Inorganic
7440382	00978	360	50	69		ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	UG/L	Metal
7782492	00981	20	50	300		SELENIUM,TOTAL RECOVERABLE IN WATER AS SE	UG/L	Metal
7440280	00982	1400*	2.0	2130*		THALLIUM, TOTAL RECOVERABLE IN WATER AS TL	UG/L	Metal
7782492	00990	20	50	300		SELENITE, TOTAL RECOVERABLE INORGANIC	UG/L	Metal
7440382	00991	360	50	69		ARSENIC, TOTAL RECOVERABLE TRIVALENT INORGANIC	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440382	00995	360	50	69		ARSENIC, INORGANIC DISS	UG/L	Metal
7440382	00996	360	50	69		ARSENIC, INORGANIC SUSP	UG/L	Metal
7440382	00997	360	50	69		ARSENIC, INORGANIC TOT	UG/L	Metal
7440417	00998	130*	4.0			BERYLLIUM,TOTAL RECOVERABLE IN WATER AS BE	UG/L	Metal
7440382	01000	360	50	69		ARSENIC, DISSOLVED	UG/L	Metal
7440382	01001	360	50	69		ARSENIC, SUSPENDED	UG/L	Metal
7440382	01002	360	50	69		ARSENIC, TOTAL	UG/L	Metal
7440393	01005		2000			BARIUM, DISSOLVED	UG/L	Metal
7440393	01006		2000			BARIUM, SUSPENDED	UG/L	Metal
7440393	01007		2000			BARIUM, TOTAL	UG/L	Metal
7440393	01009		2000			BARIUM,TOTAL RECOVERABLE IN WATER AS BA	UG/L	Metal
7440417	01010	130*	4.0			BERYLLIUM, DISSOLVED	UG/L	Metal
7440417	01011	130*	4.0			BERYLLIUM, SUSPENDED	UG/L	Metal
7440417	01012	130*	4.0			BERYLLIUM, TOTAL	UG/L	Metal
7440439	01025	3.9*	5.0	43		CADMIUM, DISSOLVED	UG/L	Metal
7440439	01026	3.9*	5.0	43		CADMIUM, SUSPENDED	UG/L	Metal
7440439	01027	3.9*	5.0	43		CADMIUM, TOTAL	UG/L	Metal
7440473	01030		100			CHROMIUM, DISSOLVED	UG/L	Metal
7440473	01031		100			CHROMIUM, SUSPENDED	UG/L	Metal
7440473	01032	16	100	1100		CHROMIUM, HEXAVALENT	UG/L	Metal
16065831	01033	1700*	100	10300*		CHROMIUM, TRI-VAL	UG/L	Metal
7440473	01034		100			CHROMIUM, TOTAL	UG/L	Metal
7440508	01040	18*	1300[a]	2.9		COPPER, DISSOLVED	UG/L	Metal
7440508	01041	18*	1300[a]	2.9		COPPER, SUSPENDED	UG/L	Metal
7440508	01042	18*	1300[a]	2.9		COPPER, TOTAL	UG/L	Metal
7439921	01049	82*	15[a]	220		LEAD, DISSOLVED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7439921	01050	82[t]	15[a]	220		LEAD, SUSPENDED	UG/L	Metal
7439921	01051	82[t]	15[a]	220		LEAD, TOTAL	UG/L	Metal
7440280	01057	1400[t]	2.0	2130[t]		THALLIUM, DISSOLVED	UG/L	Metal
7440280	01058	1400[t]	2.0	2130[t]		THALLIUM, SUSPENDED	UG/L	Metal
7440280	01059	1400[t]	2.0	2130[t]		THALLIUM, TOTAL	UG/L	Metal
7440020	01065	1400[t]	100	75		NICKEL, DISSOLVED	UG/L	Metal
7440020	01066	1400[t]	100	75		NICKEL, SUSPENDED	UG/L	Metal
7440020	01067	1400[t]	100	75		NICKEL, TOTAL	UG/L	Metal
7440020	01074	1400[t]	100	75		NICKEL, TOTAL RECOVERABLE IN WATER AS NI	UG/L	Metal
7440224	01075	4.1[t]	100[e]	0.12		SILVER, DISSOLVED	UG/L	Metal
7440224	01076	4.1[t]	100[e]	0.12		SILVER, SUSPENDED	UG/L	Metal
7440224	01077	4.1[t]	100[e]	0.12		SILVER, TOTAL	UG/L	Metal
7440224	01079	4.1[t]	100[e]	0.12		SILVER, TOTAL RECOVERABLE IN WATER AS AG	UG/L	Metal
7440508	01089	0.018[t]	1.3[a]	0.0029		COPPER AS SUSPENDED BLACK OXIDE IN WATER	MG/L	General Inorganic
7440666	01090	120[t]	5000[e]	95		ZINC, DISSOLVED	UG/L	Metal
7440666	01091	120[t]	5000[e]	95		ZINC, SUSPENDED	UG/L	Metal
7440666	01092	120[t]	5000[e]	95		ZINC, TOTAL	UG/L	Metal
7440666	01094	120[t]	5000[e]	95		ZINC, TOTAL RECOVERABLE IN WATER AS ZN	UG/L	Metal
7440360	01095	88[p]	6.0	1500[p]		ANTIMONY, DISSOLVED	UG/L	Metal
7440360	01096	88[p]	6.0	1500[p]		ANTIMONY, SUSPENDED	UG/L	Metal
7440360	01097	88[p]	6.0	1500[p]		ANTIMONY, TOTAL	UG/L	Metal
7440439	01113	3.9[t]	5.0	43		CADMIUM,TOTAL RECOVERABLE IN WATER AS CD	UG/L	Metal
7439921	01114	82[t]	15[a]	220		LEAD, TOTAL RECOVERABLE IN WATER AS PB	UG/L	Metal
7440473	01118		100			CHROMIUM TOTAL RECOVERABLE IN WATER AS CR	UG/L	Metal
7440508	01119	18[t]	1300[a]	2.9		COPPER, TOTAL RECOVERABLE IN WATER AS CU	UG/L	Metal
7440280	01124	1400[t]	2.0	2130[t]		THALLIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440280	01128	1400[e]	2.0	2130[e]		THALLIUM, TOTAL RECOVERABLE <95%	UG/L	Metal
7782492	01145	20	50	300		SELENIUM, DISSOLVED	UG/L	Metal
7782492	01146	20	50	300		SELENIUM, SUSPENDED	UG/L	Metal
7782492	01147	20	50	300		SELENIUM, TOTAL	UG/L	Metal
7782492	01167	20	50	300		SELENIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
18540299	01220	16	100	1100		CHROMIUM, HEXAVALENT, DISSOLVED	UG/L	Metal
7440360	01268	88[p]	6.0	1500[p]		ANTIMONY (SB), WATER, TOTAL RECOVERABLE	UG/L	Metal
57125	01291	22	200	1.0		CYANIDE, FILTERABLE, TOTAL IN WATER	UG/L	General Inorganic
7440666	01303	0.120[e]	5.0[a]	0.095		ZINC, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440224	01304	0.0041[e]	0.1[a]	0.00012		SILVER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440508	01306	0.018[e]	1.3[a]	0.0029		COPPER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
18540299	01307	0.016	0.1	1.1		CHROMIUM, HEXAVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7440382	01309	0.36	0.05	0.069		ARSENIC, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440393	01311		2.0			BARIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440417	01312	0.13[e]	0.004			BERYLLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440439	01313	0.0039[e]	0.005	0.043		CADMIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
16065831	01314	1.7[e]	0.1	10.3[e]		CHROMIUM, TRIVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7439921	01318	0.082[e]	0.015[a]	0.220		LEAD, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7439976	01321	0.0024	0.002	0.0021		MERCURY, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440020	01322	1.4[e]	0.1	0.075		NICKEL, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7782492	01323	0.020	0.050	0.300		SELENIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440280	01324	1.4[e]	0.002	2.13[e]		THALLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440611	01326		0.020[c]			URANIUM, POTENTIALLY DISSOLVED, WATER	MG/L	Metal
7440224	01523	4.1[e]	100[a]	0.12		SILVER, IONIC	UG/L	Metal
50328	03648		0.2			BENZO (A) PYRENE, LIQUID FRACTION, ELUTRIATE	UG/L	General Organic
122349	04035		4.0			SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
10028178	04124		20[r]			TRITIUM, TOTAL, WATER	PC/ML	Radiological
10028178	07000		20000[r]			TRITIUM, TOTAL	PC/L	Radiological
10028178	07005		20000[r]			TRITIUM, DISSOLVED	PC/L	Radiological
10028178	07010		20000[r]			TRITIUM, SUSPENDED	PC/L	Radiological
	11500		5.0			RADIUM 226 + RADIUM 228, DISSOLVED	PC/L	Radiological
	11503		5.0			RADIUM 226 + RADIUM 228, TOTAL	PC/L	Radiological
10098972	13501		8.0[r]			STRONTIUM 90, TOTAL	PC/L	Radiological
10098972	13503		8.0[r]			STRONTIUM 90, DISSOLVED	PC/L	Radiological
10098972	13505		8.0[r]			STRONTIUM 90, SUSPENDED	PC/L	Radiological
7782492	22675	20	50	300		SELENIUM, DISSOLVED ORGANIC	UG/L	Metal
7782492	22676	20	50	300		SELENIUM, HEXAVALENT, DISSOLVED	UG/L	Metal
7782492	22677	20	50	300		SELENIUM, TETRAVALENT, DISSOLVED	UG/L	Metal
7440382	22678	360	50	69		ARSENIC, DISSOLVED ORGANIC	UG/L	Metal
7440382	22679	850[*]	50	2319[*]		ARSENIC, PENTAVALENT,DISSOLVED	UG/L	Metal
7440382	22680	360	50	69		ARSENIC, TRIVALENT, DISSOLVED	UG/L	Metal
7440611	22703		20[c]			URANIUM, NATURAL DISSOLVED	UG/L	Metal
7440611	22705		20[c]			URANIUM, NATURAL SUSPENDED	UG/L	Metal
7440611	22706		20[c]			URANIUM, TOTAL AS U308	UG/L	Metal
7440611	22708		0.020[c]			URANIUM, NATURAL, TOTAL	MG/L	Radiological
7440611	28011		20[c]			URANIUM, NATURAL, TOTAL	UG/L	Radiological
88857	30191		7.0			DINOSEB, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
75990	30200		200			DALAPON, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
106934	30203		0.05			ETHANE, 1,2-DIBROMO-, WATER, WHOLE, RECOVERABLE	UG/L	Pesticide
	31501		1.0[n]		1000[b]	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	CFU/100ML	Bacteriological
	31503		1.0[n]		1000[b]	COLIFORM, TOTAL, MEMBRANE FILTER, DELAY. M-ENDO	CFU/100ML	Bacteriological
	31504		1.0[n]		1000[b]	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED. LES-ENDO	CFU/100ML	Bacteriological

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	31505		1.0[n]		1000[b]	COLIFORM, TOTAL, MPN, CONF. TEST 35C (TUBE 31506)	MPN/100ML	Bacteriological
	31506		1.0[n]		1000[b]	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31507		1.0[n]		1000[b]	COLIFORM, TOTAL, MPN, COMP. TEST 35C (TUBE 31508)	MPN/100ML	Bacteriological
	31508		1.0[n]		1000[b]	COLIFORM, TOTAL, MPN, COMP. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31613				200[^]	FECAL COLIFORM, MEMBRANE FILTER, AGAR	CFU/100ML	Bacteriological
	31614				200[^]	FECAL COLIFORM, MPN, TUBE CONFIGURATION	MPN/100ML	Bacteriological
	31615				200[^]	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	MPN/100ML	Bacteriological
	31616				200[^]	FECAL COLIFORM, MEMBRANE FILTER, BROTH, 44.5C	CFU/100ML	Bacteriological
	31617				200[^]	FECAL COLIFORM, MPN, EIJKMAN, 44.5C (TUBE 31618)	MPN/100ML	Bacteriological
	31625				200[^]	FECAL COLIFORM, MF, M-FC, 0.7 UM	CFU/100ML	Bacteriological
	31648				126[^]	E. COLI	CFU/100ML	Bacteriological
	31649				33[^]	ENTEROCOCCI	CFU/100ML	Bacteriological
67663	32003	28900[*]	100[t]			CARBON CHLOROFORM AND CARBON ALCOHOL EXTRS.,TOTAL	UG/L	General Organic
67663	32005	28900[*]	100[t]			CARBON CHLOROFORM EXTRACTABLES	UG/L	General Organic
67663	32021	28900[*]	100[t]			CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLES OF	UG/L	General Organic
67663	32022	28900[*]	100[t]			CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES OF	UG/L	General Organic
75274	32101		100[t]			BROMODICHLOROMETHANE, WHOLE WATER	UG/L	General Organic
56235	32102	35200[*]	5.0	50000[*]		CARBON TETRACHLORIDE, WHOLE WATER	UG/L	General Organic
107062	32103	118000[*]	5.0	113000[*]		1,2-DICHLOROETHANE,WHOLE WATER	UG/L	General Organic
75252	32104		100[t]			BROMOFORM, WHOLE WATER	UG/L	General Organic
124481	32105		100[t]			DIBROMOCHLOROMETHANE, WHOLE WATER	UG/L	General Organic
67663	32106	28900[*]	100[t]			CHLOROFORM, WHOLE WATER	UG/L	General Organic
56235	32260	35.2[*]	0.005	50[*]		CARBON TETRACHLORIDE EXTRACTABLES	MG/L	General Organic
67663	32270	28.9[*]	0.1[t]			CHLOROFORM EXTRACTABLES TOTAL	MG/L	General Organic
108883	34010	17500[*]	1000	6300[*]		TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic
1330207	34020		10000			XYLENES IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
83329	34205	1700*		970*		ACENAPHTHENE	UG/L	General Organic
83329	34206	1700*		970*		ACENAPHTHENE	UG/L	General Organic
83329	34207	1700*		970*		ACENAPHTHENE	UG/L	General Organic
107028	34210	68*		55*		ACROLEIN	UG/L	Pesticide
107028	34211	68*		55*		ACROLEIN	UG/L	Pesticide
107028	34212	68*		55*		ACROLEIN	UG/L	Pesticide
107131	34215	7550*				ACRYLONITRILE	UG/L	General Organic
107131	34216	7550*				ACRYLONITRILE	UG/L	General Organic
107131	34217	7550*				ACRYLONITRILE	UG/L	General Organic
71432	34235	5300*	5.0	5100*		BENZENE	UG/L	General Organic
71432	34236	5300*	5.0	5100*		BENZENE	UG/L	General Organic
92875	34239	2500*				BENZIDINE	UG/L	General Organic
92875	34240	2500*				BENZIDINE	UG/L	General Organic
58899	34265	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA	UG/L	Pesticide
58899	34266	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA	UG/L	Pesticide
75252	34288		100[t]			BROMOFORM, DISSOLVED	UG/L	General Organic
75252	34289		100[t]			BROMOFORM, SUSPENDED	UG/L	General Organic
56235	34297	35200*	5.0	50000*		CARBON TETRACHLORIDE	UG/L	General Organic
56235	34298	35200*	5.0	50000*		CARBON TETRACHLORIDE	UG/L	General Organic
108907	34301		100			CHLOROBENZENE	UG/L	General Organic
108907	34302		100			CHLOROBENZENE	UG/L	General Organic
108907	34303		100			CHLOROBENZENE	UG/L	General Organic
124481	34306		100[t]			CHLORODIBROMOMETHANE, TOTAL	UG/L	General Organic
124481	34307		100[t]			CHLORODIBROMOMETHANE, DISSOLVED	UG/L	General Organic
124481	34308		100[t]			CHLORODIBROMOMETHANE, SUSPENDED	UG/L	General Organic
67663	34316	28900*	100[t]			CHLOROFORM	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
67663	34317	28900*	100[c]			CHLOROFORM	UG/L	General Organic
57125	34325	0.022	0.2	0.001		CYANIDE	MG/L	General Inorganic
75274	34328		100[c]			DICHLOROBROMOMETHANE, DISSOLVED	UG/L	General Organic
75274	34329		100[c]			DICHLOROBROMOMETHANE, SUSPENDED	UG/L	General Organic
122667	34346	270*				1,2-DIPHENYLHYDRAZINE	UG/L	General Organic
122667	34347	270*				1,2-DIPHENYLHYDRAZINE	UG/L	General Organic
122667	34348	270*				1,2-DIPHENYLHYDRAZINE	UG/L	General Organic
33213659	34356	0.22		0.034		ENDOSULFAN, BETA	UG/L	Pesticide
33213659	34357	0.22		0.034		ENDOSULFAN, BETA	UG/L	Pesticide
33213659	34358	0.22		0.034		ENDOSULFAN, BETA	UG/L	Pesticide
959988	34361	0.22		0.034		ENDOSULFAN, ALPHA	UG/L	Pesticide
959988	34362	0.22		0.034		ENDOSULFAN, ALPHA	UG/L	Pesticide
959988	34363	0.22		0.034		ENDOSULFAN, ALPHA	UG/L	Pesticide
100414	34371	32000*	700	430*		ETHYLBENZENE	UG/L	General Organic
100414	34372	32000*	700	430*		ETHYLBENZENE	UG/L	General Organic
100414	34373	32000*	700	430*		ETHYLBENZENE	UG/L	General Organic
206440	34376	3980*		40*		FLUORANTHENE	UG/L	General Organic
206440	34377	3980*		40*		FLUORANTHENE	UG/L	General Organic
206440	34378	3980*		40*		FLUORANTHENE	UG/L	General Organic
77474	34386	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, TOTAL	UG/L	General Organic
77474	34387	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, DISSOLVED	UG/L	General Organic
77474	34388	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, SUSPENDED	UG/L	General Organic
87683	34391	90*		32*		HEXACHLOROBUTADIENE	UG/L	General Organic
87683	34392	90*		32*		HEXACHLOROBUTADIENE	UG/L	General Organic
87683	34393	90*		32*		HEXACHLOROBUTADIENE	UG/L	General Organic
67721	34396	980*		940*		HEXACHLOROETHANE	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
67721	34397	980*		940*		HEXACHLOROETHANE	UG/L	General Organic
67721	34398	980*		940*		HEXACHLOROETHANE	UG/L	General Organic
118741	34401	6.0P	1.0			HEXACHLOROBENZENE, DISSOLVED	UG/L	General Organic
118741	34402	6.0P	1.0			HEXACHLOROBENZENE, SUSPENDED	UG/L	General Organic
193395	34403		0.40c			IDENO (1,2,3-CD) PYRENE	UG/L	General Organic
193395	34404		0.40c			IDENO (1,2,3-CD) PYRENE	UG/L	General Organic
193395	34405		0.40c			IDENO (1,2,3-CD) PYRENE	UG/L	General Organic
78591	34408	117000*		12900*		ISOPHORONE	UG/L	Pesticide
78591	34409	117000*		12900*		ISOPHORONE	UG/L	Pesticide
78591	34410	117000*		12900*		ISOPHORONE	UG/L	Pesticide
75092	34423		5.0			METHYLENE CHLORIDE, TOTAL	UG/L	General Organic
75092	34424		5.0			METHYLENE CHLORIDE, DISSOLVED	UG/L	General Organic
75092	34425		5.0			METHYLENE CHLORIDE, SUSPENDED	UG/L	General Organic
91203	34443	2300*		2350*		NAPHTHALENE	UG/L	General Organic
91203	34444	2300*		2350*		NAPHTHALENE	UG/L	General Organic
98953	34447	27000*		6680*		NITROBENZENE	UG/L	General Organic
98953	34448	27000*		6680*		NITROBENZENE	UG/L	General Organic
98953	34449	27000*		6680*		NITROBENZENE	UG/L	General Organic
59507	34452	30*				PARACHLOROMETA CRESOL	UG/L	General Organic
59507	34453	30*				PARACHLOROMETA CRESOL	UG/L	General Organic
59507	34454	30*				PARACHLOROMETA CRESOL	UG/L	General Organic
87865	34459	20***	1.0	13		PCP (PENTACHLOROPHENOL)	UG/L	Pesticide
87865	34460	20***	1.0	13		PCP (PENTACHLOROPHENOL)	UG/L	Pesticide
85018	34461	30P		7.7P		PHENANTHRENE	UG/L	General Organic
85018	34462	30P		7.7P		PHENANTHRENE	UG/L	General Organic
85018	34463	30P		7.7P		PHENANTHRENE	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108952	34466	10200*		5800*		PHENOL	UG/L	General Organic
108952	34467	10200*		5800*		PHENOL	UG/L	General Organic
127184	34475	5280*	5.0	10200*		TETRACHLOROETHYLENE	UG/L	General Organic
127184	34476	5280*	5.0	10200*		TETRACHLOROETHYLENE	UG/L	General Organic
127184	34477	5280*	5.0	10200*		TETRACHLOROETHYLENE	UG/L	General Organic
108883	34481	17500*	1000	6300*		TOLUENE	UG/L	General Organic
108883	34482	17500*	1000	6300*		TOLUENE	UG/L	General Organic
79016	34485	45000*	5.0	2000*		TRICHLOROETHYLENE	UG/L	General Organic
79016	34486	45000*	5.0	2000*		TRICHLOROETHYLENE	UG/L	General Organic
75014	34493		2.0			VINYL CHLORIDE	UG/L	General Organic
75014	34494		2.0			VINYL CHLORIDE	UG/L	General Organic
75354	34501		7.0			1,1-DICHLOROETHYLENE	UG/L	General Organic
75354	34502		7.0			1,1-DICHLOROETHYLENE	UG/L	General Organic
75354	34503		7.0			1,1-DICHLOROETHYLENE	UG/L	General Organic
71556	34506		200	31200*		1,1,1-TRICHLOROETHANE	UG/L	General Organic
71556	34507		200	31200*		1,1,1-TRICHLOROETHANE	UG/L	General Organic
71556	34508		200	31200*		1,1,1-TRICHLOROETHANE	UG/L	General Organic
79005	34511		5.0			1,1,2-TRICHLOROETHANE, TOTAL	UG/L	General Organic
79005	34512		5.0			1,1,2-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
79005	34513		5.0			1,1,2-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79345	34516			9020*		1,1,2,2-TETRACHLOROETHANE, TOTAL	UG/L	General Organic
79345	34517			9020*		1,1,2,2-TETRACHLOROETHANE, SUSPENDED	UG/L	General Organic
79345	34518			9020*		1,1,2,2-TETRACHLOROETHANE, DISSOLVED	UG/L	General Organic
107062	34531	118000*	5.0	113000*		1,2-DICHLOROETHANE	UG/L	General Organic
107062	34532	118000*	5.0	113000*		1,2-DICHLOROETHANE	UG/L	General Organic
107062	34533	118000*	5.0	113000*		1,2-DICHLOROETHANE	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
95501	34536		600			1,2-DICHLOROBENZENE	UG/L	General Organic
95501	34537		600			1,2-DICHLOROBENZENE	UG/L	General Organic
95501	34538		600			1,2-DICHLOROBENZENE	UG/L	General Organic
78875	34541		5.0			1,2-DICHLOROPROPANE	UG/L	General Organic
78875	34542		5.0			1,2-DICHLOROPROPANE	UG/L	General Organic
78875	34543		5.0			1,2-DICHLOROPROPANE	UG/L	General Organic
156605	34546		100			TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER	UG/L	General Organic
156605	34547		100			TRANS-1,2-DICHLOROETHENE, DISSOLVED	UG/L	General Organic
156605	34548		100			TRANS-1,2-DICHLOROETHENE, SUSPENDED	UG/L	General Organic
120821	34551		70			1,2,4-TRICHLOROBENZENE, TOTAL	UG/L	General Organic
120821	34552		70			1,2,4-TRICHLOROBENZENE, DISSOLVED	UG/L	General Organic
120821	34553		70			1,2,4-TRICHLOROBENZENE, SUSPENDED	UG/L	General Organic
541731	34566		600			1,3-DICHLOROBENZENE	UG/L	General Organic
541731	34567		600			1,3-DICHLOROBENZENE	UG/L	General Organic
541731	34568		600			1,3-DICHLOROBENZENE	UG/L	General Organic
106467	34571		75			1,4-DICHLOROBENZENE	UG/L	General Organic
106467	34572		75			1,4-DICHLOROBENZENE	UG/L	General Organic
106467	34573		75			1,4-DICHLOROBENZENE	UG/L	General Organic
95578	34586	4380*				2-CHLOROPHENOL	UG/L	General Organic
95578	34587	4380*				2-CHLOROPHENOL	UG/L	General Organic
95578	34588	4380*				2-CHLOROPHENOL	UG/L	General Organic
120832	34601	2020*				2,4-DICHLOROPHENOL	UG/L	General Organic
120832	34602	2020*				2,4-DICHLOROPHENOL	UG/L	General Organic
120832	34603	2020*				2,4-DICHLOROPHENOL	UG/L	General Organic
105679	34606	2120*				2,4-DIMETHYLPHENOL	UG/L	General Organic
105679	34607	2120*				2,4-DIMETHYLPHENOL	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
105679	34608	2120*				2,4-DIMETHYLPHENOL	UG/L	General Organic
121142	34611	330*		590*		2,4-DINITROTOLUENE	UG/L	General Organic
121142	34612	330*		590*		2,4-DINITROTOLUENE	UG/L	General Organic
121142	34613	330*		590*		2,4-DINITROTOLUENE	UG/L	General Organic
72548	34651	0.6*		3.6*		P,P'-DDD	UG/L	Pesticide
72548	34652	0.6*		3.6*		P,P'-DDD	UG/L	Pesticide
72559	34653	1050*		14*		P,P'-DDE	UG/L	Pesticide
72559	34654	1050*		14*		P,P'-DDE	UG/L	Pesticide
50293	34655	1.1		0.13		P,P'-DDT	UG/L	Pesticide
50293	34656	1.1		0.13		P,P'-DDT	UG/L	Pesticide
1746016	34675	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD)	UG/L	General Organic
1746016	34676	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD)	UG/L	General Organic
1746016	34677	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD)	UG/L	General Organic
108952	34694	10200*		5800*		PHENOL (C6H5OH) - SINGLE COMPOUND	UG/L	General Organic
91203	34696	2300*		2350*		NAPHTHALENE	UG/L	General Organic
75990	38432		200			DALAPON, WATER, TOTAL	UG/L	Pesticide
75990	38433		200			DALAPON, WATER, DISSOLVED	UG/L	Pesticide
75990	38434		200			DALAPON, WATER, SUSPENDED	UG/L	Pesticide
96128	38437		0.2			DIBROMOCHLOROPROPANE, WATER	UG/L	Pesticide
96128	38438		0.2			DIBROMOCHLOROPROPANE, WATER	UG/L	Pesticide
96128	38439		0.2			DIBROMOCHLOROPROPANE WATER	UG/L	Pesticide
96128	38760		0.2			DBCP, WATER	UG/L	Pesticide
96128	38761		0.2			DBCP, WATER	UG/L	Pesticide
96128	38762		0.2			DBCP, WATER	UG/L	Pesticide
88857	38779		7.0			DINOSEB, DISSOLVED	UG/L	Pesticide
88857	38780		7.0			DINOSEB, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
23135220	38865		200			OXAMYL, TOTAL	UG/L	Pesticide
23135220	38866		200			OXAMYL, DISSOLVED	UG/L	Pesticide
23135220	38867		200			OXAMYL, SUSPENDED	UG/L	Pesticide
145733	38926		100			ENDOTHALL, WHOLE WATER SAMPLE	UG/L	Pesticide
2921882	38932	0.083		0.011		CHLORPYRIFOS, TOTAL RECOVERABLE	UG/L	Pesticide
2921882	38933	0.083		0.011		CHLORPYRIFOS, DISSOLVED	UG/L	Pesticide
2163806	38935		50			MONOSODIUM METHANEARSONATE (MSMA)	UG/L	Pesticide
2921882	39012	0.083		0.011		DURSBAN, FLAME PHOTOMETRIC, WATER SAMPLE	UG/L	Pesticide
56382	39015	0.065				ETHYLPARATHION, FLAME IONIFATION, WATER SAMPLE	UG/L	Pesticide
122349	39025		4.0			SIMAZINE, COULSON CONDUCTIVITY WATER SAMPLE	UG/L	Pesticide
87865	39032	20***	1.0	13		PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39033		3.0			ATRAZINE IN WHOLE WATER SAMPLE	UG/L	Pesticide
118741	39039	6.0P	1.0			HEXACHLOROBENZENE WATER SAMPLE, ELECTRON CPT	UG/L	Pesticide
93721	39045		50			2,4,5-TP INCLUDES ACIDS & SALTS WATER SAMPLE	UG/L	Pesticide
116063	39053		3.0			ALDICARB IN WHOLE WATER	UG/L	Pesticide
122349	39055		4.0			SIMAZINE IN WHOLE WATER	UG/L	Pesticide
117817	39100	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	UG/L	General Organic
117817	39103	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED	UG/L	General Organic
117817	39104	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED	UG/L	General Organic
	39117	0.94*		2.994*		PHTHLATE ESTERS IN WATER	MG/L	General Organic
75014	39175		2.0			VINYL CHLORIDE-WHOLE WATER SAMPLE	UG/L	General Organic
79016	39180	45000*	5.0	2000*		TRICHLOROETHYLENE-WHOLE WATER SAMPLE	UG/L	General Organic
50293	39300	1.1		0.13		P,P' DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide
72548	39310	0.6*		3.6*		P,P' DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39320	1050*		14*		P,P' DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39330	3.0		1.3		ALDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
309002	39331	3.0		1.3		ALDRIN IN FILT. FRAC. OF WAT. SAMP.	UG/L	Pesticide
309002	39332	3.0		1.3		ALDRIN IN SUSP. FRAC. OF WAT. SAMP.	UG/L	Pesticide
58899	39340	2.0	0.2	0.16		GAMMA-BHC(LINDANE), WHOLE WATER	UG/L	Pesticide
58899	39341	2.0	0.2	0.16		GAMMA-BHC(LINDANE), DISSOLVED	UG/L	Pesticide
58899	39342	2.0	0.2	0.16		GAMMA-BHC(LINDANE), SUSPENDED	UG/L	Pesticide
57749	39350	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), WHOLE WATER	UG/L	Pesticide
57749	39352	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), DISSOLVED	UG/L	Pesticide
57749	39353	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), SUSPENDED	UG/L	Pesticide
72548	39360	0.6*		3.6*		DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72548	39361	0.6*		3.6*		DDD IN FILT. FRAC. OF WATER SMAPLE	UG/L	Pesticide
72548	39362	0.6*		3.6*		DDD IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39365	1050*		14*		DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39366	1050*		14*		DDE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39367	1050*		14*		DDE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39370	1.1		0.13		DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide
50293	39371	1.1		0.13		DDT IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39372	1.1		0.13		DDT IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
60571	39380	2.5		0.71		DIELDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
60571	39381	2.5		0.71		DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
60571	39382	2.5		0.71		DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
115297	39388	0.22		0.034		ENDOSULFAN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39390	0.18	2.0	0.037		ENDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39391	0.18	2.0	0.037		ENDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72208	39392	0.18	2.0	0.037		ENDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39400	0.73	3.0	0.21		TOXAPHENE IN WHOLE WATER SAMPLE	UG/L	Pesticide
8001352	39401	0.73	3.0	0.21		TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
8001352	39402	0.73	3.0	0.21		TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39410	0.52	0.4	0.053		HEPTACHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	39411	0.52	0.4	0.053		HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39412	0.52	0.4	0.053		HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1024573	39420	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1024573	39421	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN FILT. FRAC. WATER SAMPLE	UG/L	Pesticide
1024573	39422	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN SUSP. FRAC. WATER SAMPLE	UG/L	Pesticide
72435	39478		40			METHOXYCHLOR IN WHOLE WATER DISSOLVED	UG/L	Pesticide
72435	39479		40			METHOXYCHLOR IN WHOLE WATER SUSPENDED	UG/L	Pesticide
72435	39480		40			METHOXYCHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
56382	39540	0.065				PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
56382	39542	0.065				PARATHION IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
56382	39543	0.065				PARATHION IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1912249	39630		3.0			ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39632		3.0			ATRAZINE DISSOLVED IN WATER	PPB	Pesticide
118741	39700	6.0[P]	1.0			HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	UG/L	General Organic
87683	39702	90*		32*		HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE	UG/L	General Organic
1918021	39720		500			PICLORAM IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39730		70			2,4-D IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39732		70			2,4-D IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
94757	39733		70			2,4-D IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39760		50			SILVEX IN WHOLE WATER SAMPLE	UG/L	Pesticide
93721	39762		50			SILVEX IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39763		50			SILVEX IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
58899	39782	2.0	0.2	0.16		LINDANE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1071836	39941		700			ROUNDUP IN WHOLE WATER SAMPLE (GLYPHOSATE)	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782505	45650	0.019		0.013		CHLORINE, IN ORGANIC COMPOUNDS, WATER, WHOLE	MG/L	General Inorganic
56382	46315	0.065				ETHYL PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
58899	46322	2.0	0.2	0.16		LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	46326	0.52	0.4	0.053		HEPTACHLOR AND METABOLITES IN WHOLE H2O SAMPLE	UG/L	Pesticide
15972608	46342		2.0			ALACHLOR (LASSO), WATER, DISSOLVED	UG/L	Pesticide
7782505	46472	0.019		0.013		CHLORINE, TOTAL RESIDUAL, AVERAGE VALUE, WATER	MG/L	General Inorganic
7782505	46473	0.019		0.013		CHLORINE, FREE AVAILABLE, AVERAGE VALUE, WATER	MG/L	General Inorganic
57125	46479	22	200	1.0		CYANIDE, DISSOLVED, WATER	UG/L	General Inorganic
7440382	46551	360	50	69		ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILTERED	UG/L	Metal
7440393	46558		2000			BARIUM, FIELD ACIDIFIED W/HNO3-LAB FILT	UG/L	Metal
7440439	46559	3.9[+]	5.0	43		CADMIUM,FIELD ACIDIFIED-HNO3-LAB FILTER	UG/L	Metal
7440473	46560		100			CHROMIUM, FIELD ACIDIFIED-HNO3-LAB FILT.	UG/L	Metal
7440508	46562	18[+]	1300[a]	2.9		COPPER, FIELD ACIDIFIED-HNO3- LAB FILTER.	UG/L	Metal
7439921	46564	82[+]	15[a]	220		LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED	UG/L	Metal
7440224	46566	4.1[+]	100[a]	0.12		SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.	UG/L	Metal
7440666	46567	120[+]	5000[a]	95		ZINC, EXTRACTABLE, FIELD ACID W/HNO3,LAB FILTR	UG/L	Metal
56382	49011	0.065				UNKNOWNS AS PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
7782505	50058	0.019		0.013		CHLORINE DOSE	MG/L	General Inorganic
7782505	50060	0.019		0.013		CHLORINE, TOTAL RESIDUAL	MG/L	General Inorganic
7782505	50064	0.019		0.013		CHLORINE, FREE AVAILABLE	MG/L	General Inorganic
7782505	50066	0.019		0.013		CHLORINE, COMBINED AVAILABLE	MG/L	General Inorganic
7782505	50074	0.019		0.013		CHLORITE, WHOLE WATER	MG/L	General Inorganic
16887006	70352	860	250[a]			CHLORIDE, ORGANIC	MG/L	General Organic
14797558	71850		44			NITRATE NITROGEN, TOTAL (AS NO3)	MG/L	Nitrogen
14797558	71851		44			NITRATE NITROGEN, DISSOLVED (AS NO3)	MG/L	Nitrogen
14797650	71855		3.3			NITRITE NITROGEN, TOTAL (AS NO2)	MG/L	Nitrogen

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
14797650	71856		3.3			NITRITE NITROGEN, DISSOLVED (AS NO2)	MG/L	Nitrogen
7439976	71890	2.4	2.0	2.1		MERCURY, DISSOLVED	UG/L	Metal
7439976	71895	2.4	2.0	2.1		MERCURY, SUSPENDED	UG/L	Metal
7439976	71900	2.4	2.0	2.1		MERCURY, TOTAL	UG/L	Metal
7439976	71901	2.4	2.0	2.1		MERCURY,TOTAL RECOVERABLE IN WATER AS HG	UG/L	Metal
7440439	71946	3.9[*]	5.0	43		CADMIUM, EXTRACTABLE	UG/L	Metal
7440473	71947		100			CHROMIUM, EXTRACTABLE	UG/L	Metal
7439921	71949	82[*]	15[a]	220		LEAD, EXTRACTABLE	UG/L	Metal
7440666	71950	120[*]	5000[e]	95		ZINC, EXTRACTABLE	UG/L	Metal
7440508	71951	18[*]	1300[a]	2.9		COPPER, EXTRACTABLE	UG/L	Metal
1336363	76011	2000	500	10000		PCBS, SUSPENDED, WATER	NG/L	General Organic
1336363	76012	2000	500	10000		PCBS, TOTAL RECOVERABLE, WATER	NG/L	General Organic
156592	77093		70			CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	UG/L	General Organic
100425	77128		100			STYRENE, WHOLE WATER	UG/L	General Organic
106489	77296			29700[*]		P-CHLOROPHENOL, WHOLE WATER	UG/L	General Organic
106934	77651		0.05			1,2-DIBROMOETHANE, WHOLE WATER	UG/L	General Organic
95954	77687	100[p]		240[p]		2,4,5-TRICHLOROPHENOL, WHOLE WATER	UG/L	General Organic
935955	77769			440[*]		2,3,5,6-TETRACHLOROPHENOL, WHOLE WATER	UG/L	General Organic
103231	77903		400			BIS (2-ETHYLHEXYL) ADIPATE, WHOLE WATER	UG/L	General Organic
18540299	78247	16	100	1100		CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE	UG/L	Metal
57125	78248	22	200	1.0		CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE	UG/L	Metal
	78456	11[*]		12[*]		HALOMETHANES, SUMMATION, WHOLE WATER	MG/L	General Organic
14808798	78462		250[a]			SULFATE, WATER, DISSOLVED AS S	MG/L	Metal
85007	78885		20			DIQUAT DIBROMIDE (REGLONE) WHOLE WATER SAMPLE	UG/L	Pesticide
7440611	80020		20[c]			URANIUM, DISS. BY EXTRACTION FLUOROMETRIC	UG/L	Radiological
16065831	80357	1700	100	10300[*]		CHROMIUM, TRIVALENT, DISSOLVED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
57125	81208	0.022	0.2	0.001		CYANIDE,FREE (NOT AMENABLE TO CHLORINATION)	MG/L	General Inorganic
608731	81283	100*		0.34*		BENZENEHEXACHLORIDE, WHOLE WATER	UG/L	Pesticide
88857	81287		7.0			DNBP(C10H12N2O5), WHOLE WATER SAMPLE	UG/L	Pesticide
26638197	81327	23000*	5.0	10300*		DICHLOROPROPANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81333	1120*		1970*		DICHLOROBENZENE ISOMER, WHOLE WATER SAMPLE	UG/L	General Organic
2921882	81403	0.083		0.011		DURSBAN (CHLOROPYRIFOS) WHOLE WATER SAMPLE	UG/L	Pesticide
1563662	81405		40			CARBOFURAN (EURADAN) WHOLE WATER SAMPLE	UG/L	Pesticide
76017	81501	7240*		390*		PENTACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81524	1120*		1970*		DICHLOROBENZENE, WHOLE WATER SAMPLE	UG/L	General Organic
25322207	81549	9320*				TETRACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
26638197	81703	23*	0.005*	10.3*		DICHLOROPROPANE, WHOLE WATER SAMPLE	MG/L	General Organic
7440508	81750	18*	1300[a]	2.9		COPPER, INTERSTITIAL WATERFROM SEDIMENTS	UG/L	Metal
7440020	81752	1400*	100	75		NICKEL, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal
7440666	81754	120*	5000[e]	95		ZINC, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal
25323891	81853	18000*				TRICHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
7439976	81931	2.4	2.0	2.1		MERCURY (HG) SUSPENDED FRACTION OF WATER	UG/G	Metal
7440666	81933	120*	5000[e]	95		ZINC (ZN) SUSPENDED FRACTION OF WATER	UG/G	Metal
7439921	81936	82*	15[a]	220		LEAD (PB) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440439	81937	3.9*	5.0	43		CADMIUM (CD) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81938		100			CHROMIUM (CR) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440508	81939	18*	1300[a]	2.9		COPPER (CU) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440666	81940	120*	5000[e]	95		ZINC (ZN) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81941		100			CHROMIUM (CR) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440508	81942	18*	1300[a]	2.9		COPPER (CU) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440666	81943	120*	5000[e]	95		ZINC (ZN) DISSOLVED ANIONIC SPECIES	UG/L	Metal
	82078				50[i]	TURBIDITY, FIELD	NTU	Physical

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	82079				50[l]	TURBIDITY, LAB	NTU	Physical
88857	82226		7.0			2 SECONDARY BUTYL 4,6-DINITROPHENOL	UG/L	Pesticide
16887006	82295	860000	250000[a]			CHLORIDE DISSOLVED AS CL IN WATER	UG/L	General Inorganic
72435	82350		40			METHOXYCHLOR, DISSOLVED IN WATER	UG/L	Pesticide
72435	82351		40			METHOXYCHLOR, SUSPENDED IN WATER	UG/L	Pesticide
115297	82354	0.22		0.034		ENDOSULFAN, DISSOLVED IN WATER	UG/L	Pesticide
115297	82355	0.22		0.034		ENDOSULFAN, SUSPENDED IN WATER	UG/L	Pesticide
57125	82573	0.022	0.2	0.001		CYANIDE/CHLORINATION IN WATER	MG/L	General Inorganic
1646873	82586		4.0			ALDICARB SULFOXIDE, WATER, TOTAL RECOVERABLE	UG/L	General Organic
1646884	82587		2.0			ALDICARB SULFONE, WHOLE WATER, TOTAL RECOVERABLE	UG/L	General Organic
23135220	82613		200			OXAMYL, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
1563662	82615		40			CARBOFURAN, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
116063	82619		3.0			ALDICARB, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
33213659	82624	0.22		0.034		ENDOSULFAN, BETA, WH WATER, TOTAL RECOVERABLE	UG/L	Pesticide
96128	82625		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL RECOVERABLE	UG/L	Pesticide

Footnote Key:

[*]Insufficient Data to Develop Criteria. Value Presented is the L.O.E.L. - Lowest Observed Effect Level.

[+]Hardness Dependent Criteria (100 mg/L $CaCO_3$ Used).

[***]pH Dependent Criteria (7.8 pH Used).

[~]Rule of thumb criterion used by the NPS Air Quality Division for determining sensitivity to acid deposition.

[^]Freshwater bathing criterion, EPA geometric mean based on at least 5 samples equally spaced over a 30-day period; Enterococci marine water bathing criterion 35 CFU/100 ml.

[#]EPA freshwater aquatic life chronic criterion; marine criterion is ≤6.5, ≥8.5.

[l]Arizona state standard.

[a]EPA action level, 40 CFR 141.80.

[b]California and Florida state bathing water standards.

[c]A Compilation of Water Quality Goals, California Regional Water Quality Control Board Central Valley Region, Sacramento, California, September, 1991.

[n]Total coliform drinking water maximum contaminant level (1 cfu/100ml or 1 mpn/100ml) was not used in water quality criteria comparisons.

[p]Proposed Criterion.
[r]Average annual concentration assumed to produce a total body or organ dose of 4 mrem/year, 40 CFR 141.16.
[s]EPA National Secondary Drinking Water Regulation, 40 CFR 143.
[t]The maximum contaminant level for the sum of the concentrations of trihalomethanes is 100 μg/L, 40 CFR 141.12.
[u]Coldwater criterion one day minimum; warmwater criterion seven day mean minimum.

Appendix G

Inventory Data Evaluation and Analysis (IDEA)
Servicewide Inventory and Monitoring Program "Level I"
Parameter Groups

The following table provides the Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameter groups (National Park Service 1993). In order to determine the presence and/or absence of data for each of these parameter groups in the park, the parameter groups had to be defined by STORET parameter codes. This table provides the STORET codes and parameter descriptions for each parameter comprising one of the Servicewide Inventory and Monitoring Program's "Level I" water quality parameter groups. Additional parameters could have been incorporated into each group, but an effort was made to represent each group with the parameters deemed to most likely occur in STORET and parks. The Toxic Elements Parameter Group was defined as the EPA's Clean Water Act Section 304(a) Priority Toxic Pollutants (40 CFR 131.36). Parameters are listed in ascending order of STORET code within each parameter group. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to find all the parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

STORET Code	Water Temperature Parameter Group	C.A.S. Number
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	-
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	-
STORET Code	**Flow Parameter Group[1]**	**C.A.S. Number**
00056	FLOW RATE, GALLONS/DAY	-
00058	FLOW RATE, GALLONS/MIN.	-
00059	FLOW RATE, INSTANTANEOUS, GALLONS/MINUTE	-
00060	FLOW, STREAM, MEAN DAILY CFS	-
00061	FLOW, STREAM, INSTANTANEOUS CFS	-
00065	STAGE, STREAM (FEET)	-
00067	TIDE STAGE CODE	-
00072	STAGE, STREAM (METERS)	-

[1]Tide stage is included in the Flow Parameter Group for coastal parks.

STORET Code	Clarity/Turbidity Parameter Group	C.A.S. Number
00070	TURBIDITY, (JACKSON CANDLE UNITS)	-
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	-
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	-
00077	TRANSPARENCY, SECCHI DISC (INCHES)	-
00078	TRANSPARENCY, SECCHI DISC (METERS)	-
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	-
82078	TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS NTU	-
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	-

STORET Code	Conductivity Parameter Group	C.A.S. Number
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	-
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	-
00096	SALINITY AT 25 DEGREES C (MG/ML)	-
00480	SALINITY - PARTS PER THOUSAND	-

STORET Code	Dissolved Oxygen Parameter Group	C.A.S. Number
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	7782447
00300	OXYGEN, DISSOLVED (MG/L)	7782447
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	7782447

STORET Code	pH Parameter Group	C.A.S. Number
00400	PH (STANDARD UNITS)	-
00403	PH, LAB (STANDARD UNITS)	-
00406	PH, FIELD (STANDARD UNITS)	-

STORET Code	Alkalinity Parameter Group	C.A.S. Number
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS (µEQ/L)	471341
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	471341
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	77098
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	471341
00435	ACIDITY, TOTAL (MG/L AS CACO3)	471341
00440	BICARBONATE ION (MG/L AS HCO3)	71523
00445	CARBONATE ION (MG/L AS CO3)	3812326

STORET Code	Nitrate/Nitrogen Parameter Group	C.A.S. Number
00600	NITROGEN, TOTAL (MG/L AS N)	17778880
00602	NITROGEN, DISSOLVED (MG/L AS N)	17778880
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	17778880
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	17778880
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	17778880
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	17778880
00612	AMMONIA, UNIONZED (MG/L AS N)	7664417
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	17778880
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	17778880
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	17778880
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	17778880
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	17778880
00631	NITRITE PLUS NITRATE, DISSOLVED 1 DET. (MG/L AS N)	17778880
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	14798039
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	14798039
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	14797558
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	14797558
71855	NITRITE NITROGEN, TOTAL (MG/L AS NO2)	14797650
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	14797650

STORET Code	Phosphate/Phosphorus Parameter Group	C.A.S. Number
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	14265442
00655	PHOSPHATE, POLY (MG/L AS PO4)	14265442
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	14265442
00665	PHOSPHORUS, TOTAL (MG/L AS P)	7723140
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	7723140
00670	PHOSPHORUS, TOTAL ORGANIC (MG/L AS P)	7723140
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	7723140
70505	PHOSPHORUS, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	7723140
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	7723140

STORET Code	Sulfates/Total Dissolved Solids/Hardness Parameter Group	C.A.S. Number
00900	HARDNESS, TOTAL (MG/L AS CACO3)	471341
00945	SULFATE, TOTAL (MG/L AS SO4)	14808798
00946	SULFATE, DISSOLVED (MG/L AS SO4)	14808798
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	-

STORET Code	Chlorophyll Parameter Group	C.A.S. Number
32209	CHLOROPHYLL A (UG/L) FLUOROMETRIC CORRECTED	479618
32210	CHLOROPHYLL A (UG/L) TRICHROMATIC UNCORRECTED	479618
32211	CHLOROPHYLL A (UG/L) SPECTROPHOTOMETRIC ACID METH.	479618
32217	CHLOROPHYLL A (UG/L) FLUOROMETRIC UNCORRECTED	479618
32223	CHLOROPHYLL A (MG/M2) SPECTROPHOTOMETRIC CORRECTED	479618
32228	CHLOROPHYLL A (MG/M2) PERIPHYTON SPECTRO.	479618
32229	CHLOROPHYLL A (MG/M2) FLUOR. CORRECTED, SUBSTRATER	479618
32230	CHLOROPHYLL A (MG/L)	479618

STORET Code	Bacteria Parameter Group	C.A.S. Number
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	-
31501	COLIFORM, TOT, MEMBRANE FILTER, IMMED., M-ENDO MED,35C	-
31503	COLIFORM, TOT, MEMBRANE FILTER, DELAY, M-ENDO MED, 35C	-
31504	COLIFORM, TOT, MEMBRANE FILTER, IMMED., LES-ENDO AGAR, 35C	-
31505	COLIFORM, TOT, MPN, CONFIRMED TEST,35C(TUBE 31506)	-
31506	COLIFORM, TOT, MPN, CONFIRMED TEST, TUBE CONFIG.	-
31507	COLIFORM, TOT, MPN, COMPLETED TEST,35C(TUBE 31508)	-
31508	COLIFORM, TOT, MPN, COMPLETED TEST, TUBE CONFIG.	-
31613	FECAL COLIFORM, MEMBR, FILTER,M-FC AGAR,44.5C,24HR	-
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	-
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	-
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	-
31617	FECAL COLIFORM, MPN,EIJKMAN TEST,44.5C(TUBE 31618)	-
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	-
31648	E. COLI - MTEC-MF	-
31649	ENTEROCOCCI- ME-MF	-
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	-
31676	FECAL STREPTOCOCCI, MPN, KF BROTH, TUBE CONFIG.	-
31677	FECAL STREPTOCOCCI, MPN, AD-EVA, 35C (TUBE 31678)	-
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	-

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants)	C.A.S. Number
00718	CYANIDE, WEAK ACID, DISSOC. WATER, WHOLE (UG/L)	57125
00719	CYANIDE, FREE, IN WATER & WASTEWATERS, HBG (UG/L)	57125
00720	CYANIDE, TOTAL (MG/L AS CN)	57125
00722	CYANIDE, FREE (AMENABLE TO CHLORINATION) (MG/L)	57125
00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	57125
00724	CYANIDE COMPLEXED TO A RANGE OF COMPNDS (UG/L)	57125

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
00969	CHRYSOTILE ASBESTOS FIBERS/LITER	1332214
00973	AMPHIBOLE ASBESTOS FIBERS/LITER	1332214
00976	AMBIGUOUS ASBESTOS FIBERS/LITER	1332214
00977	NON-AMPHIBOLE NON-CHRYSOTILE ASBESTOS FIBERS/LITER	1332214
00978	ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	7440382
00981	SELENIUM, TOTAL RECOVERABLE IN WATER AS SE (UG/L)	7782492
00982	THALLIUM, TOTAL RECOVERABLE IN WATER AS (UG/L)	7440280
00990	SELENITE, TOTAL RECOVERABLE INORGANIC (UG/L)	7782492
00991	ARSENIC, TOTAL RECOVER. TRIVALENT INORGANIC (UG/L)	7440382
00995	ARSENIC, INORGANIC DISSOLVED (UG/L AS AS)	7440382
00996	ARSENIC, INORGANIC SUSPENDED (UG/L AS AS)	7440382
00997	ARSENIC, INORGANIC TOTAL (UG/L AS AS)	7440382
00998	BERYLLIUM, TOTAL RECOVERABLE IN WATER AS BE (UG/L)	7440417
01000	ARSENIC, DISSOLVED (UG/L AS AS)	7440382
01001	ARSENIC, SUSPENDED (UG/L AS AS)	7440382
01002	ARSENIC, TOTAL (UG/L AS AS)	7440382
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	7440417
01011	BERYLLIUM, SUSPENDED (UG/L AS BE)	7440417
01012	BERYLLIUM, TOTAL (UG/L AS BE)	7440417
01025	CADMIUM, DISSOLVED (UG/L AS CD)	7440439
01026	CADMIUM, SUSPENDED (UG/L AS CD)	7440439
01027	CADMIUM, TOTAL (UG/L AS CD)	7440439
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	7440473
01031	CHROMIUM, SUSPENDED (UG/L AS CR)	7440473
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	7440473
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	16065831
01034	CHROMIUM, TOTAL (UG/L AS CR)	7440473
01040	COPPER, DISSOLVED (UG/L AS CU)	7440508
01041	COPPER, SUSPENDED (UG/L AS CU)	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01042	COPPER, TOTAL (UG/L AS CU)	7440508
01049	LEAD, DISSOLVED (UG/L AS PB)	7439921
01050	LEAD, SUSPENDED (UG/L AS PB)	7439921
01051	LEAD, TOTAL (UG/L AS PB)	7439921
01057	THALLIUM, DISSOLVED (UG/L AS TL)	7440280
01058	THALLIUM, SUSPENDED (UG/L AS TL)	7440280
01059	THALLIUM, TOTAL (UG/L AS TL)	7440280
01065	NICKEL, DISSOLVED (UG/L AS NI)	7440020
01066	NICKEL, SUSPENDED (UG/L AS NI)	7440020
01067	NICKEL, TOTAL (UG/L AS NI)	7440020
01074	NICKEL, TOTAL RECOVERABLE IN WATER AS NI (UG/L)	7440020
01075	SILVER, DISSOLVED (UG/L AS AG)	7440224
01076	SILVER, SUSPENDED (UG/L AS AG)	7440224
01077	SILVER, TOTAL (UG/L AS AG)	7440224
01079	SILVER, TOTAL RECOVERABLE IN WATER AS AG (UG/L)	7440224
01089	COPPER AS SUSPENDED BLACK OXIDE IN WATER (MG/L)	7440508
01090	ZINC, DISSOLVED (UG/L AS ZN)	7440666
01091	ZINC, SUSPENDED (UG/L ZN)	7440666
01092	ZINC, TOTAL (UG/L AS ZN)	7440666
01094	ZINC, TOTAL RECOVERABLE IN WATER AS ZN (UG/L)	7440666
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	7440360
01096	ANTIMONY, SUSPENDED (UG/L AS SB)	7440360
01097	ANTIMONY, TOTAL (UG/L AS SB)	7440360
01113	CADMIUM, TOTAL RECOVERABLE IN WATER AS CD (UG/L)	7440439
01114	LEAD, TOTAL RECOVERABLE IN WATER AS PB (UG/L)	7439921
01118	CHROMIUM, TOTAL RECOVERABLE IN WATER AS CR (UG/L)	7440473
01119	COPPER,TOTAL RECOVERABLE IN WATER AS CU (UG/L)	7440508
01124	THALLIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7440280
01128	THALLIUM,TOTAL RECOVERABLE <95%, UG/L AS TL	7440280

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01138	SELENIUM, IN WATER, LBS/DAY	7782492
01145	SELENIUM, DISSOLVED (UG/L AS SE)	7782492
01146	SELENIUM, SUSPENDED (UG/L AS SE)	7782492
01147	SELENIUM, TOTAL (UG/L AS SE)	7782492
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7782492
01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	18540299
01252	ARSENIC, LB/DAY/CFS STREAM FLOW	7440382
01253	CADMIUM, LB/DAY/CFS STREAM FLOW	7440439
01254	CHROMIUM, TOTAL (LBS/DAY/CFS STREAM FLOW)	7740473
01255	CHROMIUM, HEXAVALENT, LB/DAY/CFS STREAM FLOW	18540299
01256	COPPER, LB/DAY/CFS STREAM FLOW	7440508
01257	CYANIDE LB/DAY/CFS STREAM FLOW	57125
01259	LEAD, LB/DAY/CFS STREAM FLOW	7439921
01260	MERCURY, LB/DAY/CFS STREAM FLOW	7439976
01261	NICKEL, LB/DAY/CFS STREAM FLOW	7440020
01263	SILVER, LB/DAY/CFS STREAM FLOW	7440224
01264	ZINC LB/DAY/CFS STREAM FLOW	7440666
01268	ANTIMONY, (SB), WATER, TOTAL RECOVERABLE (UG/L)	7440360
01291	CYANIDE, FILTERABLE, TOTAL IN WATER (UG/L)	57125
01303	ZINC, POTENTIALLY DISSOLVED WATER (MG/L)	7440666
01304	SILVER, POTENTIALLY DISSOLVED WATER (MG/L)	7440224
01306	COPPER, POTENTIALLY DISSOLVED WATER (MG/L)	7440508
01307	CHROMIUM, HEXAVALENT, POTENT. DISS. WATER (MG/L)	18540299
01309	ARSENIC, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440382
01312	BERYLLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440417
01313	CADMIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440439
01314	CHROMIUM, TRIVALENT, POTENT., DISS., WATER (MG/L)	16065831
01318	LEAD, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439921
01321	MERCURY, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439976

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01322	NICKEL, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440020
01323	SELENIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7782492
01324	THALLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440280
01523	SILVER, IONIC (UG/L)	7440224
22675	SELENIUM, DISSOLVED ORGANIC (UG/L)	7782492
22676	SELENIUM, HEXAVALENT, DISSOLVED (UG/L)	7782492
22677	SELENIUM, TETRAVALENT, DISSOLVED	7782492
22678	ARSENIC, DISSOLVED ORGANIC (UG/L)	7440382
22679	ARSENIC, PENTAVALENT, DISSOLVED (UG/L)	7440382
22680	ARSENIC, TRIVALENT, DISSOLVED (UG/L)	7440382
30197	2-CHLOROETHYLVINYL ETHER,WATER,WHL,RECOVER (UG/L)	110758
30201	CHLOROMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74873
30202	BROMOMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74839
32003	CARBON CHLOROFORM AND CARBON ALCOHOL EXT. (UG/L)	67663
32005	CARBON CHLOROFORM EXTRACTABLES (UG/L)	67663
32021	CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLE (UG/L)	67663
32022	CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES (UG/L)	67663
32101	BROMODICHLOROMETHANE, WHOLE WATER (UG/L)	75274
32102	CARBON TETRACHLORIDE, WHOLE WATER, (UG/L)	56235
32103	1,2-DICHLOROETHANE, WHOLE WATER (UG/L)	107062
32104	BROMOFORM, WHOLE WATER, (UG/L)	75252
32105	DIBROMOCHLOROMETHANE, WHOLE WATER, (UG/L)	124481
32106	CHLOROFORM, WHOLE WATER (UG/L)	67663
32260	CARBON TETRACHLORIDE EXTRACTABLES (MG/L)	56235
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	67663
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	108883
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	71432
34198	BHC-DELTA, WATER, WHOLE (LBS/DAY)	319868
34200	ACENAPHTHYLENE, TOTAL (UG/L)	208968

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34201	ACENAPHTHYLENE, DISSOLVED (UG/L)	208968
34202	ACENAPHTHYLENE, SUSPENDED (UG/L)	208968
34205	ACENAPHTHENE, TOTAL (UG/L)	83329
34206	ACENAPHTHENE, DISSOLVED (UG/L)	83329
34207	ACENAPHTHENE, SUSPENDED (UG/L)	83329
34210	ACROLEIN, TOTAL (UG/L)	107028
34211	ACROLEIN, DISSOLVED (UG/L)	107028
34212	ACROLEIN, SUSPENDED (UG/L)	107028
34215	ACRYLONITRILE, TOTAL (UG/L)	107131
34216	ACRYLONITRILE, DISSOLVED (UG/L)	107131
34217	ACRYLONITRILE, SUSPENDED (UG/L)	107131
34220	ANTHRACENE, TOTAL (UG/L)	120127
34221	ANTHRACENE, DISSOLVED (UG/L)	120127
34222	ANTHRACENE, SUSPENDED (UG/L)	120127
34225	ASBESTOS (FIBROUS) TOTAL (UG/L)	1332214
34226	ASBESTOS (FIBROUS) DISSOLVED (UG/L)	1332214
34227	ASBESTOS (FIBROUS) SUSPENDED (UG/L)	1332214
34230	BENZO(B)FLUORANTHENE, WHOLE WATER (UG/L)	205992
34231	BENZO(B)FLUORANTHENE, DISSOLVED (UG/L)	205992
34232	BENZO(B)FLUORANTHENE, SUSPENDED (UG/L)	205992
34235	BENZENE, DISSOLVED (UG/L)	71432
34236	BENZENE, SUSPENDED (UG/L)	71432
34239	BENZIDINE, DISSOLVED (UG/L)	92875
34240	BENZIDINE, SUSPENDED (UG/L)	92875
34242	BENZO(K)FLUORANTHENE, TOTAL (UG/L)	207089
34243	BENZO(K)FLUORANTHENE, DISSOLVED (UG/L)	207089
34244	BENZO(K)FLUORANTHENE, SUSPENDED (UG/L)	207089
34247	BENZO-A-PYRENE, TOTAL (UG/L)	50328
34248	BENZO-A-PYRENE, DISSOLVED (UG/L)	50328

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34249	BENZO-A-PYRENE, SUSPENDED (UG/L)	50328
34253	A-BHC-ALPHA, DISSOLVED (UG/L)	319846
34254	A-BHC-ALPHA, SUSPENDED (UG/L)	319846
34255	B-BHC-BETA, DISSOLVED (UG/L)	319857
34256	B-BHC-BETA, SUSPENDED (UG/L)	319857
34259	DELTA BENZENE HEXACHLORIDE, TOTAL (UG/L)	319868
34260	DELTA BENZENE HEXACHLORIDE, DISSOLVED (UG/L)	319868
34261	DELTA BENZENE HEXACHLORIDE, SUSPENDED (UG/L)	319868
34265	R-BHC (LINDANE) GAMMA, DISSOLVED (UG/L)	58899
34266	R-BHC (LINDANE) GAMMA, SUSPENDED (UG/L)	58899
34273	BIS (2-CHLOROETHYL) ETHER, TOTAL (UG/L)	111444
34274	BIS (2-CHLOROETHYL) ETHER, DISSOLVED (UG/L)	111444
34275	BIS (2-CHLOROETHYL) ETHER, SUSPENDED (UG/L)	111444
34278	BIS (2-CHLOROETHOXY) METHANE, TOTAL (UG/L)	111911
34279	BIS (2-CHLOROETHOXY) METHANE, DISSOLVED (UG/L)	111911
34280	BIS (2-CHLOROETHOXY) METHANE, SUSPENDED (UG/L)	111911
34288	BROMOFORM, DISSOLVED (UG/L)	75252
34289	BROMOFORM, SUSPENDED (UG/L)	75252
34292	N-BUTYL BENZYL PHTHALATE, WHOLE WATER (UG/L)	85687
34293	N-BUTYL BENZYL PHTHALATE, DISSOLVED (UG/L)	85687
34294	N-BUTYL BENZYL PHTHALATE, SUSPENDED (UG/L)	85687
34297	CARBON TETRACHLORIDE, DISSOLVED (UG/L)	56235
34298	CARBON TETRACHLORIDE, SUSPENDED (UG/L)	56235
34301	CHLOROBENZENE, TOTAL (UG/L)	108907
34302	CHLOROBENZENE, DISSOLVED (UG/L)	108907
34303	CHLOROBENZENE, SUSPENDED (UG/L)	108907
34306	CHLORODIBROMOMETHANE, TOTAL (UG/L)	124481
34307	CHLORODIBROMOMETHANE, DISSOLVED (UG/L)	124481
34308	CHLORODIBROMOMETHANE, SUSPENDED (UG/L)	124481

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34311	CHLOROETHANE, TOTAL (UG/L)	75003
34312	CHLOROETHANE, DISSOLVED (UG/L)	75003
34313	CHLOROETHANE, SUSPENDED (UG/L)	75003
34316	CHLOROFORM, DISSOLVED (UG/L)	67663
34317	CHLOROFORM, SUSPENDED (UG/L)	67663
34320	CHRYSENE, TOTAL (UG/L)	218019
34321	CHRYSENE, DISSOLVED (UG/L)	218019
34322	CHRYSENE, SUSPENDED (UG/L)	218019
34325	CYANIDE, SUSPENDED (MG/L)	57125
34327	DI-N-BUTYL PHTHALATE, DISSOLVED (UG/L)	84742
34328	DICHLOROBROMOMETHANE, DISSOLVED (UG/L)	75274
34329	DICHLOROBROMOMETHANE, SUSPENDED (UG/L)	75274
34336	DIETHYL PHTHALATE, TOTAL (UG/L)	84662
34337	DIETHYL PHTHALATE, DISSOLVED (UG/L)	84662
34338	DIETHYL PHTHALATE, SUSPENDED (UG/L)	84662
34341	DIMETHYL PHTHALATE, TOTAL (UG/L)	131113
34342	DIMETHYL PHTHALATE, DISSOLVED (UG/L)	131113
34343	DIMETHYL PHTHALATE, SUSPENDED (UG/L)	131113
34346	1,2-DIPHENYLHYDRAZINE, TOTAL (UG/L)	122667
34347	1,2-DIPHENYLHYDRAZINE, DISSOLVED (UG/L)	122667
34348	1,2-DIPHENYLHYDRAZINE, SUSPENDED (UG/L)	122667
34351	ENDOSULFAN SULFATE, TOTAL (UG/L)	1031078
34352	ENDOSULFAN SULFATE, DISSOLVED (UG/L)	1031078
34353	ENDOSULFAN SULFATE, SUSPENDED (UG/L)	1031078
34356	ENDOSULFAN, BETA, TOTAL (UG/L)	33213659
34357	ENDOSULFAN, BETA, DISSOLVED (UG/L)	33213659
34358	ENDOSULFAN, BETA, SUSPENDED (UG/L)	33213659
34361	ENDOSULFAN, ALPHA, TOTAL (UG/L)	959988
34362	ENDOSULFAN, ALPHA, DISSOLVED (UG/L)	959988

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34363	ENDOSULFAN, ALPHA, SUSPENDED (UG/L)	959988
34371	ETHYLBENZENE, TOTAL (UG/L)	100414
34372	ETHYLBENZENE, DISSOLVED (UG/L)	100414
34373	ETHYLBENZENE, SUSPENDED (UG/L)	100414
34376	FLUORANTHENE, TOTAL (UG/L)	206440
34377	FLUORANTHENE, DISSOLVED (UG/L)	206440
34378	FLUORANTHENE, SUSPENDED (UG/L)	206440
34381	FLUORENE, TOTAL (UG/L)	86737
34382	FLUORENE, DISSOLVED (UG/L)	86737
34383	FLUORENE, SUSPENDED (UG/L)	86737
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL (UG/L)	77474
34387	HEXACHLOROCYCLOPENTADIENE, DISSOLVED (UG/L)	77474
34388	HEXACHLOROCYCLOPENTADIENE, SUSPENDED (UG/L)	77474
34391	HEXACHLOROBUTADIENE, TOTAL (UG/L)	87683
34392	HEXACHLOROBUTADIENE, DISSOLVED (UG/L)	87683
34393	HEXACHLOROBUTADIENE, SUSPENDED (UG/L)	87683
34396	HEXACHLOROETHANE, TOTAL (UG/L)	67721
34397	HEXACHLOROETHANE, DISSOLVED (UG/L)	67721
34398	HEXACHLOROETHANE, SUSPENDED (UG/L)	67721
34401	HEXACHLOROBENZENE, DISSOLVED (UG/L)	118741
34402	HEXACHLOROBENZENE, SUSPENDED (UG/L)	118741
34403	INDENO (1,2,3-CD) PYRENE, TOTAL (UG/L)	193395
34404	INDENO (1,2,3-CD) PYRENE, DISSOLVED (UG/L)	193395
34405	INDENO (1,2,3-CD) PYRENE, SUSPENDED (UG/L)	193395
34408	ISOPHORONE, TOTAL (UG/L)	78591
34409	ISOPHORONE, DISSOLVED (UG/L)	78591
34410	ISOPHORONE, SUSPENDED (UG/L)	78591
34413	METHYL BROMIDE, TOTAL (UG/L)	74839
34414	METHYL BROMIDE, DISSOLVED (UG/L)	74839

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34415	METHYL BROMIDE, SUSPENDED (UG/L)	74839
34418	METHYL CHLORIDE, TOTAL (UG/L)	74873
34419	METHYL CHLORIDE, DISSOLVED (UG/L)	74873
34420	METHYL CHLORIDE, SUSPENDED (UG/L)	74873
34423	METHYLENE CHLORIDE, TOTAL (UG/L)	75092
34424	METHYLENE CHLORIDE, DISSOLVED (UG/L)	75092
34425	METHYLENE CHLORIDE, SUSPENDED (UG/L)	75092
34428	N-NITROSODI-N-PROPYLAMINE, TOTAL (UG/L)	621647
34429	N-NITROSODI-N-PROPYLAMINE, DISSOLVED (UG/L)	621647
34430	N-NITROSODI-N-PROPYLAMINE, SUSPENDED (UG/L)	621647
34433	N-NITROSODIPHENYLAMINE, TOTAL (UG/L)	86306
34434	N-NITROSODIPHENYLAMINE, DISSOLVED (UG/L)	86306
34435	N-NITROSODIPHENYLAMINE, SUSPENDED (UG/L)	86306
34438	N-NITROSODIMETHYLAMINE, TOTAL (UG/L)	62759
34439	N-NITROSODIMETHYLAMINE, DISSOLVED (UG/L)	62759
34440	N-NITROSODIMETHYLAMINE, SUSPENDED (UG/L)	62759
34443	NAPHTHALENE, DISSOLVED (UG/L)	91203
34444	NAPHTHALENE, SUSPENDED (UG/L)	91203
34447	NITROBENZENE, TOTAL (UG/L)	98953
34448	NITROBENZENE, DISSOLVED (UG/L)	98953
34449	NITROBENZENE, SUSPENDED (UG/L)	98953
34452	PARACHLOROMETA CRESOL, TOTAL (UG/L)	59507
34453	PARACHLOROMETA CRESOL, DISSOLVED (UG/L)	59507
34454	PARACHLOROMETA CRESOL, SUSPENDED (UG/L)	59507
34457	PCB - 1242, DISSOLVED (UG/L)	53469219
34458	PCB - 1242, SUSPENDED (UG/L)	53469219
34459	PCP (PENTACHLOROPHENOL), DISSOLVED (UG/L)	87865
34460	PCP (PENTACHLOROPHENOL), SUSPENDED (UG/L)	87865
34461	PHENANTHRENE, TOTAL (UG/L)	85018

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34462	PHENANTHRENE, DISSOLVED (UG/L)	85018
34463	PHENANTHRENE, SUSPENDED (UG/L)	85018
34466	PHENOL, DISSOLVED (UG/L)	108952
34467	PHENOL, SUSPENDED (UG/L)	108952
34469	PYRENE, TOTAL (UG/L)	129000
34470	PYRENE, DISSOLVED (UG/L)	129000
34471	PYRENE, SUSPENDED (UG/L)	129000
34475	TETRACHLOROETHYLENE, TOTAL (UG/L)	127184
34476	TETRACHLOROETHYLENE, DISSOLVED (UG/L)	127184
34477	TETRACHLOROETHYLENE, SUSPENDED (UG/L)	127184
34481	TOLUENE, DISSOLVED (UG/L)	108883
34482	TOLUENE, SUSPENDED (UG/L)	108883
34485	TRICHLOROETHYLENE, DISSOLVED (UG/L)	79016
34486	TRICHLOROETHYLENE, SUSPENDED (UG/L)	79016
34493	VINYL CHLORIDE, DISSOLVED (UG/L)	75014
34494	VINYL CHLORIDE, SUSPENDED (UG/L)	75014
34496	1,1-DICHLOROETHANE, TOTAL (UG/L)	75343
34497	1,1-DICHLOROETHANE, DISSOLVED (UG/L)	75343
34498	1,1-DICHLOROETHANE, SUSPENDED (UG/L)	75343
34501	1,1-DICHLOROETHYLENE, TOTAL (UG/L)	75354
34502	1,1-DICHLOROETHYLENE, DISSOLVED (UG/L)	75354
34503	1,1-DICHLOROETHYLENE, SUSPENDED (UG/L)	75354
34506	1,1,1-TRICHLOROETHANE, TOTAL (UG/L)	71556
34507	1,1,1-TRICHLOROETHANE, DISSOLVED (UG/L)	71556
34508	1,1,1-TRICHLOROETHANE, SUSPENDED (UG/L)	71556
34511	1,1,2-TRICHLOROETHANE, TOTAL (UG/L)	79005
34512	1,1,2-TRICHLOROETHANE, DISSOLVED (UG/L)	79005
34513	1,1,2-TRICHLOROETHANE, SUSPENDED (UG/L)	79005
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (UG/L)	79345

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34517	1,1,2,2-TETRACHLOROETHANE, DISSOLVED (UG/L)	79345
34518	1,1,2,2-TETRACHLOROETHANE, SUSPENDED (UG/L)	79345
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, TOTAL (UG/L)	191242
34522	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, DISS. (UG/L)	191242
34523	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, SUSP. (UG/L)	191242
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, TOTAL (UG/L)	56553
34527	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, DISS. (UG/L)	56553
34528	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, SUSP. (UG/L)	56553
34531	1,2-DICHLOROETHANE, TOTAL (UG/L)	107062
34532	1,2-DICHLOROETHANE, DISSOLVED (UG/L)	107062
34533	1,2-DICHLOROETHANE, SUSPENDED (UG/L)	107062
34536	1,2-DICHLOROBENZENE, TOTAL (UG/L)	95501
34537	1,2-DICHLOROBENZENE, DISSOLVED (UG/L)	95501
34538	1,2-DICHLOROBENZENE, SUSPENDED (UG/L)	95501
34541	1,2-DICHLOROPROPANE, TOTAL (UG/L)	78875
34542	1,2-DICHLOROPROPANE, DISSOLVED (UG/L)	78875
34543	1,2-DICHLOROPROPANE, SUSPENDED (UG/L)	78875
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER (UG/L)	156605
34547	TRANS-1,2-DICHLOROETHENE, DISSOLVED (UG/L)	156605
34548	TRANS-1,2-DICHLOROETHENE, SUSPENDED (UG/L)	156605
34551	1,2,4-TRICHLOROBENZENE, TOTAL (UG/L)	120821
34552	1,2,4-TRICHLOROBENZENE, DISSOLVED (UG/L)	120821
34553	1,2,4-TRICHLOROBENZENE, SUSPENDED (UG/L)	120821
34556	1,2,5,6-DIBENZANTHRACENE, TOTAL (UG/L)	53703
34557	1,2,5,6-DIBENZANTHRACENE, DISSOLVED (UG/L)	53703
34558	1,2,5,6-DIBENZANTHRACENE, SUSPENDED (UG/L)	53703
34561	1,3-DICHLOROPROPENE, TOTAL (UG/L)	542756
34562	1,3-DICHLOROPROPENE, DISSOLVED (UG/L)	542756
34563	1,3-DICHLOROPROPENE, SUSPENDED (UG/L)	542756

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34566	1,3-DICHLOROBENZENE, TOTAL (UG/L)	541731
34567	1,3-DICHLOROBENZENE, DISSOLVED (UG/L)	541731
34568	1,3-DICHLOROBENZENE, SUSPENDED (UG/L)	541731
34571	1,4-DICHLOROBENZENE, TOTAL (UG/L)	106467
34572	1,4-DICHLOROBENZENE, DISSOLVED (UG/L)	106467
34573	1,4-DICHLOROBENZENE, SUSPENDED (UG/L)	106467
34576	2-CHLOROETHYL VINYL ETHER, TOTAL (UG/L)	110758
34577	2-CHLOROETHYL VINYL ETHER, DISSOLVED (UG/L)	110758
34578	2-CHLOROETHYL VINYL ETHER, SUSPENDED (UG/L)	110758
34581	2-CHLORONAPHTHALENE, TOTAL (UG/L)	91587
34582	2-CHLORONAPHTHALENE, DISSOLVED (UG/L)	91587
34583	2-CHLORONAPHTHALENE, SUSPENDED (UG/L)	91587
34586	2-CHLOROPHENOL, TOTAL (UG/L)	95578
34587	2-CHLOROPHENOL, DISSOLVED (UG/L)	95578
34588	2-CHLOROPHENOL, SUSPENDED (UG/L)	95578
34591	2-NITROPHENOL, TOTAL (UG/L)	88755
34592	2-NITROPHENOL, DISSOLVED (UG/L)	88755
34593	2-NITROPHENOL, SUSPENDED (UG/L)	88755
34596	DI-N-OCTYL PHTHALATE, TOTAL (UG/L)	117840
34597	DI-N-OCTYL PHTHALATE, DISSOLVED (UG/L)	117840
34598	DI-N-OCTYL PHTHALATE, SUSPENDED (UG/L)	117840
34601	2,4-DICHLOROPHENOL, TOTAL (UG/L)	120832
34602	2,4-DICHLOROPHENOL, DISSOLVED (UG/L)	120832
34603	2,4-DICHLOROPHENOL, SUSPENDED (UG/L)	120832
34606	2,4-DIMETHYLPHENOL, TOTAL (UG/L)	105679
34607	2,4-DIMETHYLPHENOL, DISSOLVED (UG/L)	105679
34608	2,4-DIMETHYLPHENOL, SUSPENDED (UG/L)	105679
34611	2,4-DINITROTOLUENE, TOTAL (UG/L)	121142
34612	2,4-DINITROTOLUENE, DISSOLVED (UG/L)	121142

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34613	2,4-DINITROTOLUENE, SUSPENDED (UG/L)	121142
34616	2,4-DINITROPHENOL, TOTAL (UG/L)	51285
34617	2,4-DINITROPHENOL, DISSOLVED (UG/L)	51285
34618	2,4-DINITROPHENOL, SUSPENDED (UG/L)	51285
34621	2,4,6-TRICHLOROPHENOL, TOTAL (UG/L)	88062
34622	2,4,6-TRICHLOROPHENOL, DISSOLVED (UG/L)	88062
34623	2,4,6-TRICHLOROPHENOL, SUSPENDED (UG/L)	88062
34626	2,6-DINITROTOLUENE, TOTAL (UG/L)	606202
34627	2,6-DINITROTOLUENE, DISSOLVED (UG/L)	606202
34628	2,6-DINITROTOLUENE, SUSPENDED (UG/L)	606202
34631	3,3'-DICHLOROBENZIDINE, TOTAL (UG/L)	91941
34632	3,3'-DICHLOROBENZIDINE, DISSOLVED (UG/L)	91941
34633	3,3'-DICHLOROBENZIDINE, SUSPENDED (UG/L)	91941
34636	4-BROMOPHENYL PHENYL ETHER, TOTAL (UG/L)	101553
34637	4-BROMOPHENYL PHENYL ETHER, DISSOLVED (UG/L)	101553
34638	4-BROMOPHENYL PHENYL ETHER, SUSPENDED (UG/L)	101553
34641	4-CHLOROPHENYL PHENYL ETHER, TOTAL (UG/L)	7005723
34642	4-CHLOROPHENYL PHENYL ETHER, DISSOLVED (UG/L)	7005723
34643	4-CHLOROPHENYL PHENYL ETHER, SUSPENDED (UG/L)	7005723
34646	4-NITROPHENOL, TOTAL (UG/L)	100027
34647	4-NITROPHENOL, DISSOLVED (UG/L)	100027
34648	4-NITROPHENOL, SUSPENDED (UG/L)	100027
34651	P,P'-DDD, DISSOLVED (UG/L)	72548
34652	P,P'-DDD, SUSPENDED (UG/L)	72548
34653	P,P'-DDE, DISSOLVED (UG/L)	72559
34654	P,P'-DDE, SUSPENDED (UG/L)	72559
34655	P,P'-DDT, DISSOLVED (UG/L)	50293
34656	P,P'-DDT, SUSPENDED (UG/L)	50293
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL), TOTAL (UG/L)	534521

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34658	DNOC (4,6-DINITRO-ORTHO-CRESOL), DISSOLVED (UG/L)	534521
34659	DNOC (4,6-DINITRO-ORTHO-CRESOL), SUSPENDED (UG/L)	534521
34662	PCB - 1221, DISSOLVED (UG/L)	11104282
34663	PCB - 1221, SUSPENDED (UG/L)	11104282
34665	PCB - 1232, DISSOLVED (UG/L)	11141165
34666	PCB - 1232, SUSPENDED (UG/L)	11141165
34671	PCB - 1016, TOTAL (UG/L)	12674112
34672	PCB - 1016, DISSOLVED (UG/L)	12674112
34673	PCB - 1016, SUSPENDED (UG/L)	12674112
34675	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD),TOT(UG/L)	1746016
34676	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(UG/L)	1746016
34677	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(UG/L)	1746016
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTAL (UG/L)	108952
34696	NAPHTHALENE, TOTAL (UG/L)	91203
34750	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)TOT(PG/L)	1746016
34751	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(PG/L)	1746016
34752	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(PG/L)	1746016
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE (UG/L)	87865
39039	HEXACHLOROBENZENE WATER SAMPLE,ELECTRON CPT (UG/L)	118741
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER (UG/L)	117817
39103	BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED, (UG/L)	117817
39104	BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED, (UG/L)	117817
39107	PHTHALATES,DIETHYLHEXYL SUS.FRAC.WTR DWT (MG/KG)	117817
39110	DI-N-BUTYL PHTHALATE, WHOLE WATER (UG/L)	84742
39114	DI-N-BUTYL PHTHALATE, SUSPENDED (UG/L)	84742
39115	PHTHALATES,DIBUTYL SUS.FRAC.WATER DWT (UG/KG)	84742
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	92875
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE (UG/L)	75014
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE (UG/L)	79016

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	309002
39331	ALDRIN IN FILT. FRAC. OF WAT. SAMP. (UG/L)	309002
39332	ALDRIN IN SUSP. FRAC. OF WAT. SAMP. (UG/L)	309002
39336	BHC-ALPHA, WATER, WHOLE (LBS/DAY)	319846
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319846
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319857
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	58899
39341	GAMMA-BHC(LINDANE), DISSOLVED (UG/L)	58899
39342	GAMMA-BHC(LINDANE), SUSPENDED (UG/L)	58899
39344	BHC-GAMMA, WATER, WHOLE (LBS/DAY)	58899
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	57749
39352	CHLORDANE(TECH MIX & METABS), DISSOLVED (UG/L)	57749
39353	CHLORDANE(TECH MIX & METABS), SUSPENDED (UG/L)	57749
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39361	DDD IN FILT. FRAC. OF WATER SMAPLE (UG/L)	72548
39362	DDD IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72548
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39366	DDE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72559
39367	DDE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72559
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39371	DDT IN FILT. FRAC. OF WATER SAMPLE (UG/L)	50293
39372	DDT IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	50293
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	60571
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	60571
39382	DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	60571
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	72208

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39391	ENDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72208
39392	ENDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72208
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	8001352
39401	TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	8001352
39402	TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	8001352
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	76448
39411	HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE (UG/L)	76448
39412	HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	76448
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	1024573
39421	HEPTACHLOR EPOXIDE IN FILT. FRAC. WAT. SAM. (UG/L)	1024573
39422	HEPTACHLOR EPOXIDE IN SUSP. FRAC. WAT. SAM. (UG/L)	1024573
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE (UG/L)	11104282
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11141165
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE (UG/L)	53469219
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE (UG/L)	12672296
39501	PCB - 1248 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	12672296
39502	PCB - 1248 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	12672296
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11097691
39505	PCB - 1254 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11097691
39506	PCB - 1254 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11097691
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11096825
39509	PCB - 1260 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11096825
39510	PCB - 1260 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11096825
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	118741
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE (UG/L)	87683
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	58899
39920	DNOC IN WHOLE WATER SAMPLE (UG/L)	534521
46322	LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE (UG/L)	58899
46323	DELTA-BHC IN WHOLE WATER SAMPLE (UG/L)	319868

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
46326	HEPTACHLOR AND METABOLITES IN WH. H2O SAMP. (UG/L)	76448
46479	CYANIDE, DISSOLVED, WATER (UG/L)	57125
46551	ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILT. (UG/L)	7440382
46559	CADMIUM, FIELD ACIDIFIED-HNO3-LAB FILTER (UG/L-CD)	7440439
46560	CHROMIUM, FIELD ACIDIFIED-HN03-LAB FILT. (UG/L-CR)	7440473
46562	COPPER, FIELD ACIDIFIED-HNO3-LAB FILTER. (UG/L-CU)	7440508
46564	LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED (UG/L-PB)	7439921
46566	SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.(UG/L-AG)	7440224
46567	ZINC, EXTRACT. FIELD ACID W/HNO3, LAB FILT. (UG/L)	7440666
70012	PARACHLOROMETA CRESOL, WATER, WHOLE (LBS/DAY)	59507
70017	HEXACHLOROCYCLOPENTADIENE, WATER, WHOLE (LBS/DAY)	77474
70021	LEAD, (TCLP), WATER, TOTAL (MG/L)	7439921
71890	MERCURY, DISSOLVED (UG/L AS HG)	7439976
71895	MERCURY, SUSPENDED (UG/L AS HG)	7439976
71900	MERCURY, TOTAL (UG/L AS HG)	7439976
71901	MERCURY, TOTAL RECOVERABLE IN WATER AS HG (UG/L)	7439976
71946	CADMIUM, EXTRACTABLE (UG/L AS CD)	7440439
71947	CHROMIUM, EXTRACTABLE (UG/L AS CR)	7440473
71949	LEAD, EXTRACTABLE (UG/L AS PB)	7439921
71950	ZINC, EXTRACTABLE (UG/L AS ZN)	7440666
71951	COPPER, EXTRACTABLE (UG/L AS CU)	7440508
73063	CHLOROGUAIACOL,4-, TOTAL, WATER (UG/L)	16766306
73522	PROPANE, 2,2'-OXYBIS(1-CHLORO)- TOTAL (UG/L)	108601
77163	1,3-DICHLOROPROPENE-1, WHOLE WATER (UG/L)	542756
77354	1,1-DICHLORO-2,2-DIFLUOROETHANE WHOLE WATER (UG/L)	471432
77771	3-CHLORO-4-HYDROXYBENZOPHENONE, WHOLE WATER (UG/L)	55191203
78113	ETHYL BENZENE WHOLE WATER SAMPLE (UG/L)	100414
78124	BENZENE IN WATER (VOLATILE ANALYSIS) (UG/L)	71432
78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) (UG/L)	108883

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
78208	2,4-DINITRO-O-CRESOL IN WHOLE WATER SAMPLE (UG/L)	534521
78247	CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE, WT (UG/L)	18540299
78248	CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE (UG/L)	57125
80357	CHROMIUM, TRIVALENT, DISSOLVED, AS CR	16065831
81208	CYANIDE, FREE (NOT AMEN. TO CHLORINATION) (MG/L)	57125
81210	CYANIDE - STATE OF ILLINOIS (MG/L)	57125
81214	CADMIUM - STATE OF ILLINOIS (MG/L)-COLD	7440439
81215	CHROMIUM - STATE OF ILLINOIS (MG/L), COLD DIGEST	18540299
81216	CHROMIUM(TRI)-STATE OF ILLINOIS (MG/L)-COLD DIGEST	16065831
81217	CHROMIUM, TOTAL - STATE OF ILLINOIS (MG/L) COLD DIGEST	7440473
81218	COPPER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440508
81220	LEAD, STATE OF ILLINOIS, MG/L, COLD DIGEST	7439921
81222	NICKEL - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440020
81223	SILVER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440224
81224	ZINC - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440666
81642	SILVER (AG) IN WATER POUNDS PER DAY (LBS/DAY)	7440224
81750	COPPER, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440508
81751	LEAD, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7439921
81752	NICKEL, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440020
81753	CADMIUM, INTERSTITIAL WATER FROM SEDIMENT	7440439
81754	ZINC, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440666
81766	HEPTACHLOR EPOXIDE IN EPILITHIC ALGAE SED. (UG/KG)	1024573
81931	MERCURY (HG) SUSPENDED FRACTION OF WATER (UG/G)	7439976
81932	CADMIUM (CD) SUSPENDED FRACTION OF WATER (UG/G)	7440439
81933	ZINC (ZN) SUSPENDED FRACTION OF WATER (UG/G)	7440666
81934	LEAD (PB) SUSPENDED FRACTION OF WATER (UG/G)	7439921
81936	LEAD (PB) DISSOLVED CATIONIC SPECIES (UG/L)	7439921
81937	CADMIUM (CD) DISSOLVED CATIONIC SPECIES (UG/L)	7440439
81938	CHROMIUM, DISSOLVED CATIONIC SPECIES (UG/L)	7440473

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
81939	COPPER (CU) DISSOLVED CATIONIC SPECIES (UG/L)	7440508
81940	ZINC (ZN) DISSOLVED CATIONIC SPECIES (UG/L)	7440666
81941	CHROMIUM, DISSOLVED ANIONIC SPECIES (UG/L)	7440473
81942	COPPER (CU) DISSOLVED ANIONIC SPECIES (UG/L)	7440508
81943	ZINC (ZN) DISSOLVED ANIONIC SPECIES (UG/L)	7440666
82058	CHROMIUM, TOTAL, PERCENT REMOVAL	7440473
82399	CHROMIUM, HEXAVALENT (KG/BATCH)	18540299
82512	M,P-DICHLOROBENZENE (MEASURES 1,3&1,4) TOT. (UG/L)	541731
82573	CYANIDE/CHLORINATION IN WATER (MG/L)	57125
82621	HEXACHLOROBENZENE, WATER, TOTAL RECOVER. (UG/L)	118741
82622	ENDRIN ALDEHYDE, WH. WATER, TOTAL RECOVER. (UG/L)	7421934
82623	ENDOSULFAN SULFATE, WATER, TOTAL RECOVER. (UG/L)	1031078
82624	ENDOSULFAN, BETA, WH. WATER, TOTAL RECOVER. (UG/L)	33213659
82626	1,2-DIPHENYLHYDRAZINE, WATER, TOTAL RECOVER. (UG/L)	122667
82627	PARACHLOROMETA CRESOL, WATER, TOTAL RECOVER. (UG/L)	59507
85006	ZINC, TOTAL - (#/DAY)	7440666
85007	CHROMIUM, TOTAL (#/DAY)	7440473
85010	NICKEL, TOTAL - (#/DAY)	7440020
85013	MERCURY, TOTAL - (#/DAY)	7439976

Appendix H

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As the nation's principal conservation agency, the Department of the Interior has the responsibility for most of our nationally owned public lands and natural and cultural resources. This includes fostering wise use of our land and water resources, protecting our fish and wildlife, preserving the environmental and cultural values of our national parks and historical places, and providing for enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people. The Department also promotes the goals of the Take Pride in America campaign by encouraging stewardship and citizen responsibility for the public lands and promoting citizen participation in their care. The Department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.