SURFACE WATER STREAM GAUGING - FIELD FORM

Date: 5/7/89

Sampler: SW

Station No.: SW-36

Gauge Height: N/A

Meter Used: [illegible]

Stream Width: 14'

Total Flow: 5475 gpm 12.20 cfs

Interval	Midpoint	Width	Depth	Area (sft)	Velocity (fps)	Qcfs
4-5	4.5	1	.36	.36	0	—
5-6	5.5	1	.24	.24	1.0	.24
6-7	6.5	1	.28	.28	1.3	.36
7-8	7.5	1	.45	.45	1.2	.54
8-9	9.5	1	.54	.54	1.1	.59
9-10	9.5	1	.65	.65	1.5	.98
10-11	10.5	1	.65	.65	1.5	.98
11-12	11.5	1	.67	.67	1.6	1.07
12-13	12.5	1	.69	.69	1.8	1.24
13-14	13.5	1	.80	.80	2.1	1.68
14-15	14.5	1	.71	.71	2.6	1.85
15-16	15.5	1	.67	.67	2.5	1.68
16-17	16.5	1	.51	.51	1.5	.77
17-18	17.5	1	.29	.29	.8	.23
						Σ 12.20
					TOTAL	12.20

5475 gpm

Comments: flow greatly increased due to snow melt from last week. Flow mostly runoff and not baseflow - low conductivity = 111.5 µm s/cm

18-4

SURFACE WATER SAMPLING FORM

FIELD MEASUREMENTS

Date 6 / 15 / 89

Time 14:45

Sampler SW
(Initials)

Sampling Station Number..... SW-36

Temperature (degrees C)..... 15.1 C.

pH..... 7.88

Conductivity (umhos/cm)..... 247

Flow (gpm).....

Water Sample (Yes/No).....

Filtered Metals (Yes/No).....

Number/Type Bottles..... 4

Comments.....

SURFACE WATER STREAM GAUGING - FIELD FORM

Date: 6-15-89

Sampler: MA-SW

Station No.: SW-36

Gauge Height: NA.

Meter Used: Pygmy

Stream Width: 9.0'

Total Flow: 307 gpm

Interval	Midpoint	Width	Depth	Area (sft)	Velocity (fps)	Qcfs
1.5-2.5	2.0	1.0	.33		.1	
2.5-3.5	3.0	1	.30		.3	
3.5-4.5	4	1	.27		.3	
4.5-5.5	5	1	.34		.3	
5.5-6.5	6	1	.29		.4	
6.5-7.5	7	1	.30		.4	
7.5-8.5	8	1	.25		.4	
8.5-9.5	9	1	.21		.2	
9.5-10.5	10	1	.32		.1	
					TOTAL	.684

Comments:

306.98 gpm

SURFACE WATER SAMPLING FORM

FIELD MEASUREMENTS

Date 6 / 30 / 89

Time 8:00

Sampler MA
(Initials)

Sampling Station Number..... SW-36

Temperature (degrees C)..... 11.8

pH..... 8.70

Conductivity (umhos/cm)..... 261

Flow (gpm)..... 812

Water Sample (Yes/No)..... Yes

Filtered Metals (Yes/No)..... Yes

Number/Type Bottles..... 4

Comments.....

SURFACE WATER STREAM GAUGING - FIELD FORM

Date: 6-30-89

Meter Used: pysmy

Sampler: MA

Stream Width: 9.20'

Station No.: SW-36

Total Flow: 1.813 cfs or 812 gpm

Gauge Height:

Interval	Midpoint	Width	Depth	Area (sft)	Velocity (fps)	Qcfs
0						
.2	.1	.2	.29	.058	.1	.006
.6 .8	.5	.6	.28	.168	.1	.017
.10 1.4	1.1	.6	.31	.186	.1	.019
2.0	1.7	.6	.22	.132	.2	.026
1.8 2.6	2.3	.6	.26	.156	.5	.078
2.2 3.2	2.9	.6	.22	.132	.8	.106
2.6 3.8	3.5	.6	.26	.156	1.1	.172
3.0 4.4	4.1	.6	.32	.192	1.3	.250
3.4 5.0	4.7	.6	.27	.162	1.4	.227
3.8 5.6	5.3	.6	.30	.180	1.3	.234
4.2 6.2	5.9	.6	.29	.174	1.1	.191
6.8	6.5	.6	.25	.150	.9	.135
7.4	7.1	.6	.24	.144	.8	.115
8.0	7.7	.6	.28	.168	.8	.134
8.6	8.3	.6	.31	.186	.5	.093
9.2	8.9	.4	.23	.092	.1	.009
					TOTAL	1.813

Comments:

812 gpm

SW

SURFACE WATER SAMPLING FORM

FIELD MEASUREMENTS

Date 2 / 22 / 1991

Time "

Sampler MT
(Initials)

Sampling Station Number..... SW-36

Temperature (degrees C)..... 2

pH..... 8.0

Conductivity (umhos/cm)..... 250

Flow (gpm).....

Water Sample (Yes/No).....

Filtered Metals (Yes/No).....

Number/Type Bottles.....

Comments.....

SURFACE WATER STREAM GAUGING - FIELD FORM

Date: 2-22-91

Meter Used: Pygmy

Sampler: Fnt

Stream Width:

Station No.: SW-36

Total Flow:

Gauge Height:

Interval	Midpoint	Width	Depth	Area (sft)	Velocity (fps)	Qcfs
0-.5	.25	.5	.25	.125	.0	
.5-1	.75	.5	.23	.115	.2	.023
1-1.5	1.25	.5	.27	.135	.1	.0135
1.5-2	1.75	.5	.28	.140	.2	.028
						.0645
					TOTAL	28.94 gpm

Comments:

Temp 2°C
pH 8.0
Cond 260

SURFACE WATERSTREAM GAUGING - FIELD FORM

DATE:	5-6-91	METER USED:	Pygmy
SAMPLER:	mt	STREAM WIDTH:	5'
STATION NO:	SW-36	TOTAL FLOW:	898.722
GAUGE HEIGHT:		WATER SAMPLE (Yes/No):	
TEMPERATURE (degrees C):	9	FILTERED METALS (Yes/No):	
pH:	8.9	NUMBER/TYPE BOTTLES:	
CONDUCTIVITY (umhos/cm):	150	FLOW (gpm):	898.722

Interval	Midpoint	Width	Depth	Area (sft)	Velocity (fps)	Qcfs
0-.5	.25	.5	.41	.205	1.4	.287
.5-1	.75	.5	.43	.215	1.7	.3655
1-1.5	1.25	.5	.45	.225	.8	.18
1.5-2	1.75	.5	.3	.15	1.2	.18
2-2.5	2.25	.5	.45	.225	.8	.18
2.5-3	2.75	.5	.4	.2	1.8	.36
3-3.5	3.25	.5	.4	.2	.6	.12
3.5-4	3.75	.5	.4	.2	.8	.16
4-4.5	4.25	.5	.35	.175	.8	.14
4.5-5	4.75	.5	.3	.15	.2	.03
						2.0025
					TOTAL	898.722

COMMENTS:

SURFACE WATER STREAM GAUGING - FIELD FORM

DATE:	6-12-91	METER USED:	Pygmy
SAMPLER:	mt TC	STREAM WIDTH:	14'
STATION NO:	SW-36	TOTAL FLOW:	7.894
GAUGE HEIGHT:		WATER SAMPLE (Yes/No):	
TEMPERATURE (degrees C):	~~15~~ 19	FILTERED METALS (Yes/No):	
pH:	8.4	NUMBER/TYPE BOTTLES:	mw gross mt Tot
CONDUCTIVITY (umhos/cm):	130	FLOW (gpm):	3542.8272

Interval	Midpoint	Width	Depth	Area (sft)	Velocity (fps)	Qcfs
0-1	.5	1	.42	.42	.2	.084
1-2	1.5	1	.6	.6	.4	.24
2-3	2.5	1	.6	.6	.8	.45
3-4	3.5	1	.7	.7	1.2	.84
4-5	4.5	1	.65	.65	1.4	.91
5-6	5.5	1	.6	.6	1.5	.9
6-7	6.5	1	.7	.7	1.5	1.05
7-8	7.5	1	.7	.7	1.6	1.12
8-9	8.5	1	.6	.6	.8	.48
9-10	9.5	1	.7	.7	.9	.63
10-11	10.5	1	.5	.5	1.1	.55
11-12	11.5	1	.2	.2	1.2	.24
12-13	12.5	1	.4	.4	.8	.32
13-14	13.5	1	.4	.4	.2	.08
						7.894
					TOTAL	3542.8272

2-3

COMMENTS: Heavy Rain week before Sample

SURFACE WATER STREAM GAUGING - FIELD FORM

DATE:	8-20-91	METER USED:	Pygmy
SAMPLER:	mt JC	STREAM WIDTH:	6
STATION NO:	SW-36	TOTAL FLOW:	.505
GAUGE HEIGHT:		WATER SAMPLE (Yes/No):	
TEMPERATURE (degrees C):	17	FILTERED METALS (Yes/No):	
pH:	8.2	NUMBER/TYPE BOTTLES:	min Rinse tot met
CONDUCTIVITY (umhos/cm):	260	FLOW (gpm):	226.644

Interval	Midpoint	Width	Depth	Area (sft)	Velocity (fps)	Qcfs
0-1	.5	1	.13	.13	.5	.065
1-2	1.5	1	.25	.25	.4	.1
2-3	2.5	1	.2	.2	.3	.06
3-4	3.5	1	.2	.2	.4	.08
4-5	4.5	1	.2	.2	.5	.1
5-6	5.5	1	.2	.2	.5	.1
					TOTAL	.505

226.644

COMMENTS:

MID-CONTINENT
TESTING LABORATORIES, INC.
HIGH TECHNOLOGY OIL ANALYSIS
AND ENVIRONMENTAL TESTING

2100 S. 7th, Suite 211 • P.O. Box 3388 • Rapid City, SD 57709
(605) 348-0111

SAMPLE NAME: SW-36
DESCRITPION:
SAMPLE DATE: 02/22/91
SAMPLE TIME:
SAMPLED BY:

MYRON ANDERSEN
BROHM MINING CORP.
P.O. BOX 485
DEADWOOD, SD 57732

ACCOUNT NUMBER: W1000
LAB NUMBER: 19910225101
DATE RECEIVED: 02/22/91
TIME RECEIVED: 04:00 PM
REPORT DATE: 02/25/91

PHYSICAL PROPERTIES	VALUE
Conductivity, umhos/cm	353.
Hardness	.
PH	7.68
Solids, Dissolved, mg/l	236.
Solids, Suspended, mg/l	<5.0
Turbidity, NTU	.

INORGANIC & NONMETALLIC	VALUE
Alkalinity	164.
Bicarbonate	200.
Carbonate, mg/l	0.00
Chloride, mg/l	.
Cyanide, Total, mg/l	.
Cyanide, WAD, mg/l	.
Cyanide, Free, mg/l	.
Flouride, mg/l	.
Nitrogen, Ammonia, mg/l	.
Nitrogen, Nitrate, mg/l	.056
Nitrogen, Nitrite, mg/l	.
Sulfate, mg/l	10.0

METALS mg/l	DISSOLVED	TOTAL
Aluminum	.	.
Antimony	.	.
Arsenic	<.001	<.001
Barium	.	.
Beryllium	.	.
Boron	.	.
Cadmium	<.001	<.001
Calcium	.	.
Chromium	.	.
Cobalt	.	.
Copper	.006	.006
Gold	.	.
Iron	.	.
Lead	.	.
Lithium	.	.
Magnesium	.	.
Manganese	.	.
Mercury	.	.
Molybdenum	.	.
Nickel	.	.
Potassium	.	.
Selenium	<.001	<.001
Silicon	.	.
Silver	.	.
Sodium	3.34	.
Strontium	.	.
Vanadium	.	.
Zinc	.051	.055

APPROVED BY: Mary McPaul

DATE: 02-25-91

MID-CONTINENT
TESTING LABORATORIES, INC.
HIGH TECHNOLOGY OIL ANALYSIS
AND ENVIRONMENTAL TESTING

2100 S. 7th, Suite 211 • P.O. Box 3388 • Rapid City, SD 57709
(605) 348-0111

SAMPLE NAME: SW-36
DESCRITPION:
SAMPLE DATE: 02/22/91
SAMPLE TIME:
SAMPLED BY:

MYRON ANDERSEN
BROHM MINING CORP.
P.O. BOX 485
DEADWOOD, SD 57732

ACCOUNT NUMBER: W1000
LAB NUMBER: 19910225101
DATE RECEIVED: 02/22/91
TIME RECEIVED: 04:00 PM
REPORT DATE: 02/25/91

PHYSICAL PROPERTIES	VALUE
Conductivity, umhos/cm	353.
Hardness	.
PH	7.68
Solids, Dissolved, mg/l	236.
Solids, Suspended, mg/l	<5.0
Turbidity, NTU	.

INORGANIC & NONMETALLIC	VALUE
Alkalinity	164.
Bicarbonate	200.
Carbonate, mg/l	0.00
Chloride, mg/l	.
Cyanide, Total, mg/l	.
Cyanide, WAD, mg/l	.
Cyanide, Free, mg/l	.
Flouride, mg/l	.
Nitrogen, Ammonia, mg/l	.
Nitrogen, Nitrate, mg/l	.056
Nitrogen, Nitrite, mg/l	.
Sulfate, mg/l	10.0

METALS mg/l	DISSOLVED	TOTAL
Aluminum	.	.
Antimony	.	.
Arsenic	<.001	<.001
Barium	.	.
Beryllium	.	.
Boron	.	.
Cadmium	<.001	<.001
Calcium	.	.
Chromium	.	.
Cobalt	.	.
Copper	.006	.006
Gold	.	.
Iron	.	.
Lead	.	.
Lithium	.	.
Magnesium	.	.
Manganese	.	.
Mercury	.	.
Molybdenum	.	.
Nickel	.	.
Potassium	.	.
Selenium	<.001	<.001
Silicon	.	.
Silver	.	.
Sodium	3.34	.
Strontium	.	.
Vanadium	.	.
Zinc	.051	.055

APPROVED BY: [signature]

DATE: 02-25-91

MID-CONTINENT
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AND ENVIRONMENTAL TESTING

2100 S. 7th, Suite 211 • P.O. Box 3388 • Rapid City, SD 57709
(605) 348-0111

SAMPLE NAME: SW-36
DESCRITPION:
SAMPLE DATE: 05/07/91
SAMPLE TIME:
SAMPLED BY:

MYRON ANDERSEN
BROHM MINING CORP.
P.O. BOX 485
DEADWOOD, SD 57732

ACCOUNT NUMBER: W1000
LAB NUMBER: 19910508109
DATE RECEIVED: 05/08/91
TIME RECEIVED: 12:30 PM
REPORT DATE: 05/09/91

PHYSICAL PROPERTIES	VALUE
Conductivity, umhos/cm	179.
Hardness	.
PH	7.94
Solids, Dissolved, mg/l	120.
Solids, Suspended, mg/l	<5.0
Turbidity, NTU	.

INORGANIC & NONMETALLIC	VALUE
Alkalinity	70.0
Bicarbonate	85.4
Carbonate, mg/l	0.0
Chloride, mg/l	.
Cyanide, Total, mg/l	.
Cyanide, WAD, mg/l	.
Cyanide, Free, mg/l	.
Flouride, mg/l	.
Nitrogen, Ammonia, mg/l	.
Nitrogen, Nitrate, mg/l	<.050
Nitrogen, Nitrite, mg/l	.
Sulfate, mg/l	<10.

METALS mg/l	DISSOLVED	TOTAL
Aluminum	.	.
Antimony	.	.
Arsenic	<.001	.001
Barium	.	.
Beryllium	.	.
Boron	.	.
Cadmium	<.001	<.001
Calcium	.	.
Chromium	.	.
Cobalt	.	.
Copper	.008	.018
Gold	.	.
Iron	.	.
Lead	.	.
Lithium	.	.
Magnesium	.	.
Manganese	.	.
Mercury	.	.
Molybdenum	.	.
Nickel	.	.
Potassium	.	.
Selenium	<.005	<.005
Silicon	.	.
Silver	.	.
Sodium	2.67	.
Strontium	.	.
Vanadium	.	.
Zinc	<.050	.071

APPROVED BY: Amy M. Pangel

DATE: 05-09-91

MID-CONTINENT
TESTING LABORATORIES, INC.
HIGH TECHNOLOGY OIL ANALYSIS
AND ENVIRONMENTAL TESTING

2100 S. 7th, Suite 211 • P.O. Box 3388 • Rapid City, SD 57709
(605) 348-0111

SAMPLE NAME: SW-36
DESCRITPION:
SAMPLE DATE: 06/12/91
SAMPLE TIME:
SAMPLED BY:

MYRON ANDERSEN
BROHM MINING CORP.
P.O. BOX 485
DEADWOOD, SD 57732

ACCOUNT NUMBER: W1000
LAB NUMBER: 19910613116
DATE RECEIVED: 06/13/91
TIME RECEIVED: 01:30 PM
REPORT DATE: 06/14/91

PHYSICAL PROPERTIES	VALUE
Conductivity, umhos/cm	166.
Hardness	.
PH	7.67
Solids, Dissolved, mg/l	111.
Solids, Suspended, mg/l	<10.0
Turbidity, NTU	.

INORGANIC & NONMETALLIC	VALUE
Alkalinity	70.0
Bicarbonate	85.4
Carbonate, mg/l	0.0
Chloride, mg/l	.
Cyanide, Total, mg/l	.
Cyanide, WAD, mg/l	.
Cyanide, Free, mg/l	.
Flouride, mg/l	.
Nitrogen, Ammonia, mg/l	.
Nitrogen, Nitrate, mg/l	<.050
Nitrogen, Nitrite, mg/l	.
Sulfate, mg/l	25.0

METALS mg/l	DISSOLVED	TOTAL
Aluminum	.	.
Antimony	.	.
Arsenic	<.001	.002
Barium	.	.
Beryllium	.	.
Boron	.	.
Cadmium	<.001	<.001
Calcium	.	.
Chromium	.	.
Cobalt	.	.
Copper	.002	.016
Gold	.	.
Iron	.	.
Lead	.	.
Lithium	.	.
Magnesium	.	.
Manganese	.	.
Mercury	.	.
Molybdenum	.	.
Nickel	.	.
Potassium	.	.
Selenium	<.005	<.005
Silicon	.	.
Silver	.	.
Sodium	2.48	.
Strontium	.	.
Vanadium	.	.
Zinc	<.050	.062

APPROVED BY: K. Heydon

DATE: 6/14/91

MID-CONTINENT TESTING LABORATORIES, INC.
HIGH TECHNOLOGY OIL ANALYSIS AND ENVIRONMENTAL TESTING

2100 S. 7th, Suite 211 • P.O. Box 3388 • Rapid City, SD 57709
(605) 348-0111

SAMPLE NAME: SW-36
DESCRITPION:
SAMPLE DATE: 06/12/91
SAMPLE TIME:
SAMPLED BY:

MYRON ANDERSEN
BROHM MINING CORP.
P.O. BOX 485
DEADWOOD, SD 57732

ACCOUNT NUMBER: W1000
LAB NUMBER: 19910613116
DATE RECEIVED: 06/13/91
TIME RECEIVED: 01:30 PM
REPORT DATE: 06/14/91

PHYSICAL PROPERTIES	VALUE
Conductivity, umhos/cm	166.
Hardness	.
PH	7.67
Solids, Dissolved, mg/l	111.
Solids, Suspended, mg/l	<10.0
Turbidity, NTU	.

INORGANIC & NONMETALLIC	VALUE
Alkalinity	70.0
Bicarbonate	85.4
Carbonate, mg/l	0.0
Chloride, mg/l	.
Cyanide, Total, mg/l	.
Cyanide, WAD, mg/l	.
Cyanide, Free, mg/l	.
Flouride, mg/l	.
Nitrogen, Ammonia, mg/l	.
Nitrogen, Nitrate, mg/l	<.050
Nitrogen, Nitrite, mg/l	.
Sulfate, mg/l	25.0

METALS mg/l	DISSOLVED	TOTAL
Aluminum	.	.
Antimony	.	.
Arsenic	<.001	.002
Barium	.	.
Beryllium	.	.
Boron	.	.
Cadmium	<.001	<.001
Calcium	.	.
Chromium	.	.
Cobalt	.	.
Copper	.002	.016
Gold	.	.
Iron	.	.
Lead	.	.
Lithium	.	.
Magnesium	.	.
Manganese	.	.
Mercury	.	.
Molybdenum	.	.
Nickel	.	.
Potassium	.	.
Selenium	<.005	<.005
Silicon	.	.
Silver	.	.
Sodium	2.48	.
Strontium	.	.
Vanadium	.	.
Zinc	<.050	.062

APPROVED BY: K. Heydon

DATE: 6/14/91

MID-CONTINENT
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AND ENVIRONMENTAL TESTING

2100 S. 7th, Suite 211 • P.O. Box 3388 • Rapid City, SD 57709
(605) 348-0111

SAMPLE NAME: SW-36
DESCRITPION:
SAMPLE DATE: 08/20/91
SAMPLE TIME: 03:30 PM
SAMPLED BY:

MYRON ANDERSEN
BROHM MINING CORP.
P.O. BOX 485
DEADWOOD, SD 57732

ACCOUNT NUMBER: W1000
LAB NUMBER: 19910822101
DATE RECEIVED: 08/21/91
TIME RECEIVED: 03:00 PM
REPORT DATE: 08/23/91

PHYSICAL PROPERTIES	VALUE
Conductivity, umhos/cm	309.
Hardness	.
PH	8.09
Solids, Dissolved, mg/l	207.
Solids, Suspended, mg/l	<10.0
Turbidity, NTU	.

INORGANIC & NONMETALLIC	VALUE
Alkalinity	148.
Bicarbonate	180.
Carbonate, mg/l	0.00
Chloride, mg/l	.
Cyanide, Total, mg/l	.
Cyanide, WAD, mg/l	.
Cyanide, Free, mg/l	.
Flouride, mg/l	.
Nitrogen, Ammonia, mg/l	.
Nitrogen, Nitrate, mg/l	<.050
Nitrogen, Nitrite, mg/l	.
Sulfate, mg/l	11.1

METALS mg/l	DISSOLVED	TOTAL
Aluminum	.	.
Antimony	.	.
Arsenic	<.001	<.001
Barium	.	.
Beryllium	.	.
Boron	.	.
Cadmium	.002	.002
Calcium	.	.
Chromium	.	.
Cobalt	.	.
Copper	.001	.002
Gold	.	.
Iron	.	.
Lead	.	.
Lithium	.	.
Magnesium	.	.
Manganese	.	.
Mercury	.	.
Molybdenum	.	.
Nickel	.	.
Potassium	.	.
Selenium	<.005	<.005
Silicon	.	.
Silver	.	.
Sodium	4.45	.
Strontium	.	.
Vanadium	.	.
Zinc	<.050	.118

APPROVED BY: Stacy M. Powell

DATE: 08-23-91

MID-CONTINENT
TESTING LABORATORIES, INC.
HIGH TECHNOLOGY OIL ANALYSIS
AND ENVIRONMENTAL TESTING

2100 S. 7th, Suite 211 • P.O. Box 3388 • Rapid City, SD 57709
(605) 348-0111

SAMPLE NAME: SW-36
DESCRITPION:
SAMPLE DATE: 08/20/91
SAMPLE TIME: 03:30 PM
SAMPLED BY:

MYRON ANDERSEN
BROHM MINING CORP.
P.O. BOX 485
DEADWOOD, SD 57732

ACCOUNT NUMBER: W1000
LAB NUMBER: 19910822101
DATE RECEIVED: 08/21/91
TIME RECEIVED: 03:00 PM
REPORT DATE: 08/23/91

PHYSICAL PROPERTIES	VALUE
Conductivity, umhos/cm	309.
Hardness	.
PH	8.09
Solids, Dissolved, mg/l	207.
Solids, Suspended, mg/l	<10.0
Turbidity, NTU	.

INORGANIC & NONMETALLIC	VALUE
Alkalinity	148.
Bicarbonate	180.
Carbonate, mg/l	0.00
Chloride, mg/l	.
Cyanide, Total, mg/l	.
Cyanide, WAD, mg/l	.
Cyanide, Free, mg/l	.
Flouride, mg/l	.
Nitrogen, Ammonia, mg/l	.
Nitrogen, Nitrate, mg/l	<.050
Nitrogen, Nitrite, mg/l	.
Sulfate, mg/l	11.1

METALS mg/l	DISSOLVED	TOTAL
Aluminum	.	.
Antimony	.	.
Arsenic	<.001	<.001
Barium	.	.
Beryllium	.	.
Boron	.	.
Cadmium	.002	.002
Calcium	.	.
Chromium	.	.
Cobalt	.	.
Copper	.001	.002
Gold	.	.
Iron	.	.
Lead	.	.
Lithium	.	.
Magnesium	.	.
Manganese	.	.
Mercury	.	.
Molybdenum	.	.
Nickel	.	.
Potassium	.	.
Selenium	<.005	<.005
Silicon	.	.
Silver	.	.
Sodium	4.45	.
Strontium	.	.
Vanadium	.	.
Zinc	<.050	.118

APPROVED BY: [signature]

DATE: 08-23-91

SURFACE WATER STREAM GAUGING - FIELD FORM

DATE:	5-26-92	METER USED:	Flow-mat
SAMPLER:	SM 12:00	STREAM WIDTH:	4.1
STATION NO:	SW-36	TOTAL FLOW:	
GAUGE HEIGHT:		WATER SAMPLE (Yes/No):	
TEMPERATURE (degrees C):		FILTERED METALS (Yes/No):	
pH:		NUMBER/TYPE BOTTLES:	
CONDUCTIVITY (umhos/cm):		FLOW (gpm):	292.

Interval	Midpoint	Width	Depth	Area (sf/t)	Velocity (fps)	Qcfs
1	.5	1	.24	.24	.21	.05
2	1.5	1	.4	.4	.9	.36
3	2.5	1	.27	.27	.6	.162
4	3.5	1.1	.2	.22	.36	.0792
						.6516
					TOTAL	

COMMENTS: